

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060195.D
 Acq On : 25 Oct 2018 14:50
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:55:43 AM

Quant Time: Oct 26 10:53:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1619552	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2340999	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1913937	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	1016805	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	639952	52.13	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	6.33	113	894349	50.31	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	9.46	98	2586910	51.03	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.43	95	994350	52.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	741067	48.643	ug/l	97
3) Chloromethane	1.76	50	733015	53.359	ug/l	98
4) Vinyl Chloride	1.86	62	621805	55.309	ug/l	99
5) Bromomethane	2.15	94	89087	63.109	ug/l	92
6) Chloroethane	2.26	64	166165	54.163	ug/l	97
7) Trichlorofluoromethane	2.51	101	711599	52.863	ug/l	98
8) Diethyl Ether	2.83	74	166889	60.291	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.09	101	499690	59.585	ug/l	96
10) Methyl Iodide	3.25	142	528356	59.411	ug/l	98
11) Tert butyl alcohol	3.98	59	210657	239.261	ug/l	97
12) 1,1-Dichloroethene	3.07	96	395179	59.816	ug/l	90
13) Acrolein	2.99	56	137975	254.214	ug/l	93
14) Allyl chloride	3.54	41	812590	59.221	ug/l	99
15) Acrylonitrile	4.09	53	1003945	275.485	ug/l	99
16) Acetone	3.16	43	739616	332.023	ug/l	99
17) Carbon Disulfide	3.32	76	1196808	53.870	ug/l	99
18) Methyl Acetate	3.55	43	360256	75.243	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	1617125	55.672	ug/l	99
20) Methylene Chloride	3.72	84	888234	50.719	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	882107	51.698	ug/l	99
22) Diisopropyl ether	4.85	45	3359688	54.827	ug/l #	89
23) Vinyl Acetate	4.80	43	9137484	265.280	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1513123	54.460	ug/l	99
25) 2-Butanone	5.62	43	1608101	288.961	ug/l	97
26) 2,2-Dichloropropane	5.59	77	1224441	58.133	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	964008	53.325	ug/l	95
28) Bromochloromethane	5.93	49	737312	54.609	ug/l	100
29) Tetrahydrofuran	5.96	42	819653	253.567	ug/l	99
30) Chloroform	6.10	83	1517645	53.999	ug/l	99
31) Cyclohexane	6.37	56	1286524	48.372	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1263730	54.883	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1117599	49.959	ug/l	99
37) Ethyl Acetate	5.70	43	770495	51.890	ug/l	99
38) Carbon Tetrachloride	6.51	117	1042060	51.324	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1266214	49.817	ug/l	99
40) Benzene	6.80	78	2824410	48.261	ug/l	99
41) Methacrylonitrile	5.94	41	407429m	48.545	ug/l	
42) 1,2-Dichloroethane	6.90	62	905933	53.993	ug/l	99
43) Isopropyl Acetate	8.35	43	1015109	51.964	ug/l #	99
44) Trichloroethene	7.75	130	881644	48.665	ug/l	98
45) 1,2-Dichloropropane	8.10	63	795804	51.931	ug/l	99
46) Dibromomethane	8.22	93	513202	51.728	ug/l	97
47) Bromodichloromethane	8.49	83	1143646	54.101	ug/l	100
48) Methyl methacrylate	8.25	41	594059	53.387	ug/l	99
49) 1,4-Dioxane	8.23	88	111742	1020.620	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	3258024	264.423	ug/l	99
52) Toluene	9.56	92	1870545	49.628	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1044291	54.597	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	1239790	52.489	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	637429	51.731	ug/l	99
56) Ethyl methacrylate	10.03	69	723546	53.195	ug/l	95
57) 1,3-Dichloropropane	10.38	76	987734	52.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	2071408	274.246	ug/l	100
59) 2-Hexanone	10.49	43	2414655	272.536	ug/l	100
60) Dibromochloromethane	10.64	129	815079	53.914	ug/l	98
61) 1,2-Dibromoethane	10.76	107	677553	51.752	ug/l	99
64) Tetrachloroethene	10.26	164	795106	47.431	ug/l	98
65) Chlorobenzene	11.32	112	2096903	50.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	715589	51.806	ug/l	100
67) Ethyl Benzene	11.43	91	3421852	51.008	ug/l	100
68) m/p-Xylenes	11.56	106	2566624	102.398	ug/l	99
69) o-Xylene	11.94	106	1255763	50.650	ug/l	99
70) Styrene	11.96	104	2123430	51.215	ug/l	100
71) Bromoform	12.12	173	604562	54.051	ug/l	99
73) Isopropylbenzene	12.27	105	3507894	52.294	ug/l	98
74) N-amyl acetate	12.14	43	1266659	51.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	750651	51.258	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	752431	51.384	ug/l	100
77) Bromobenzene	12.54	156	979849	50.266	ug/l	100
78) n-propylbenzene	12.64	91	4252110	51.049	ug/l	99
79) 2-Chlorotoluene	12.71	91	2354409	50.929	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2627008	50.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	225779	54.873	ug/l	98
82) 4-Chlorotoluene	12.81	91	2605215	49.824	ug/l	97
83) tert-Butylbenzene	13.05	119	3096662	51.977	ug/l	97
84) 1,2,4-Trimethylbenzene	13.10	105	2822489	51.583	ug/l	100
85) sec-Butylbenzene	13.23	105	3670499	52.106	ug/l	98
86) p-Isopropyltoluene	13.35	119	3000580	51.933	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1683425	49.568	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1679264	49.226	ug/l	99
89) n-Butylbenzene	13.65	91	2898784	51.418	ug/l	98
90) Hexachloroethane	13.86	117	740959	55.412	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	1436855	50.316	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	101704	52.012	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1230972	50.786	ug/l	97
94) Hexachlorobutadiene	14.88	225	832130	51.648	ug/l	99
95) Naphthalene	14.97	128	1806702	50.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1032562	48.971	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

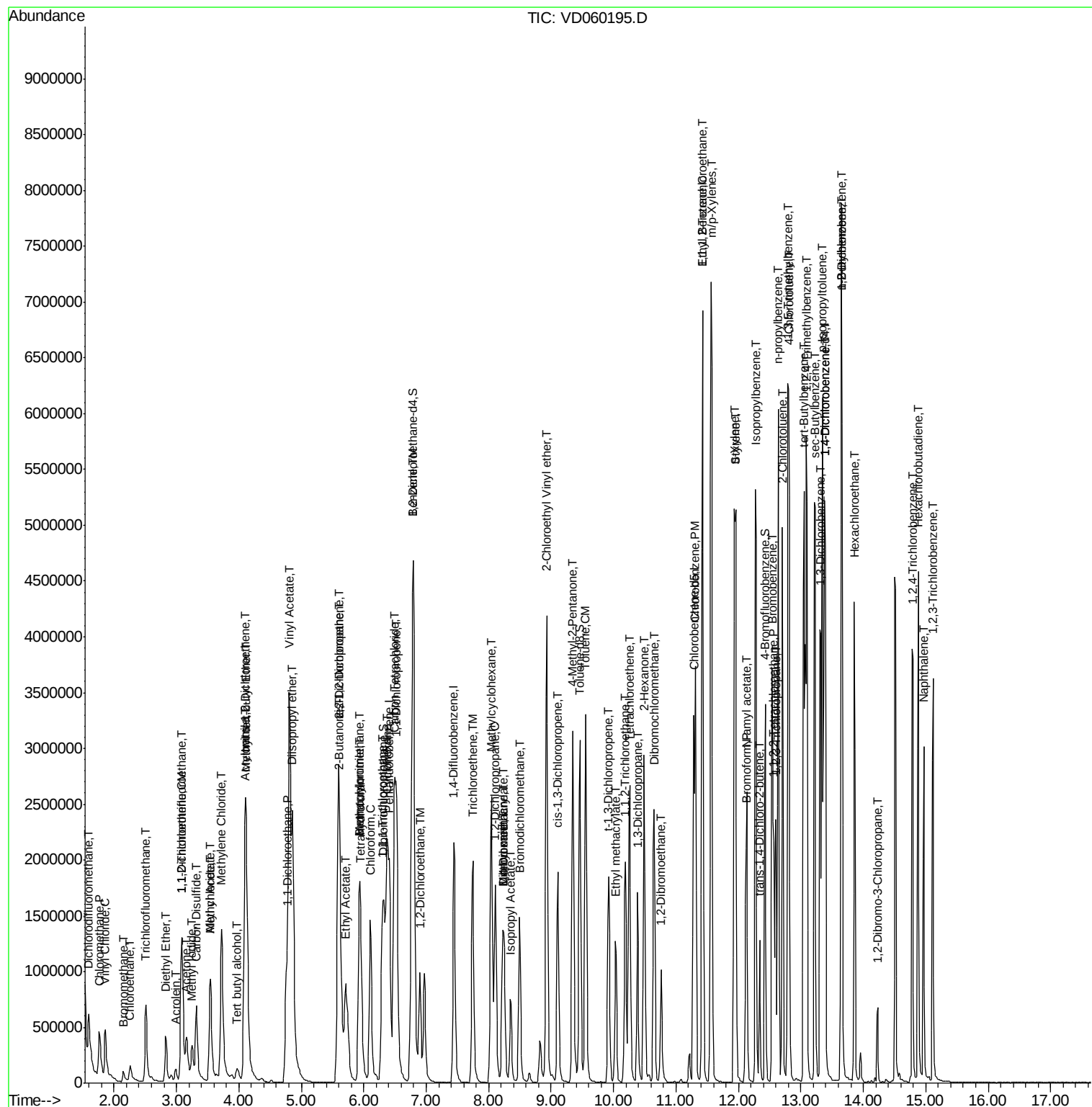
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Data File : VD060195.D
Acq On : 25 Oct 2018 14:50
Operator : JC/SY
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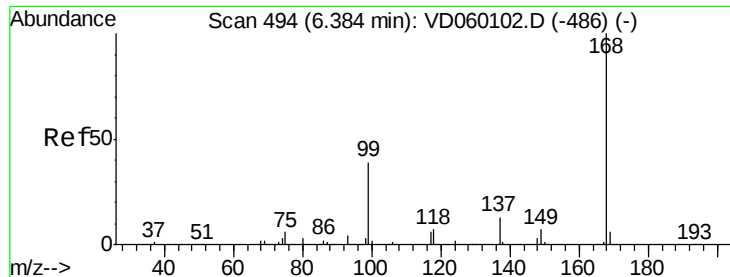
Instrument :
MSVOA_D
Client Sample Id :
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#1

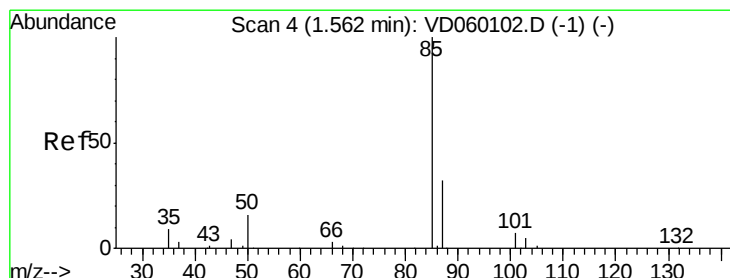
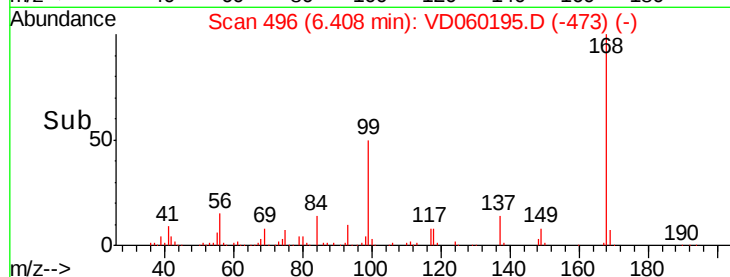
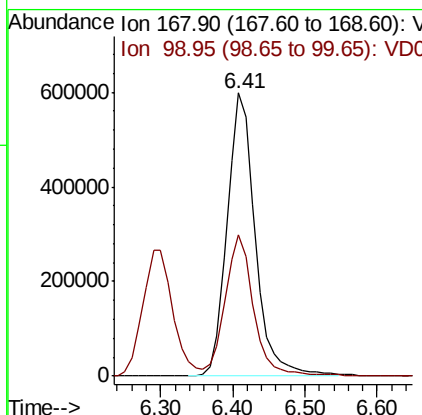
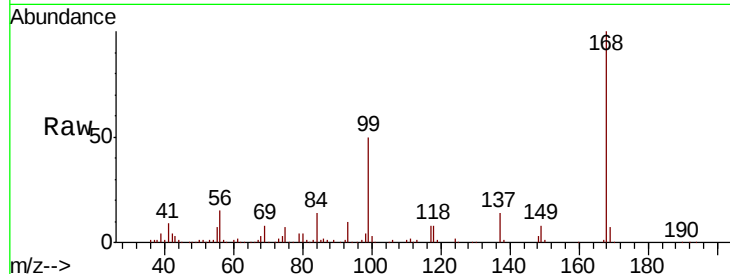
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 1619552
 Ion Ratio Lower Upper
 168 100
 99 49.9 35.4 53.0

Manual Integrations
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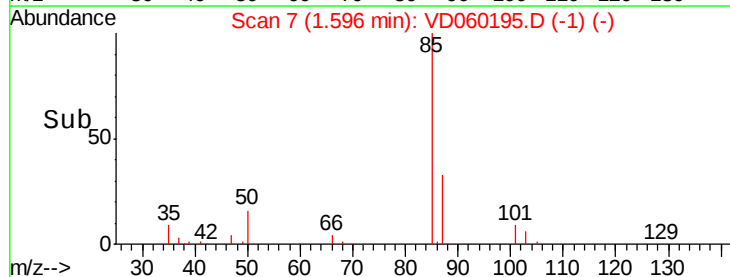
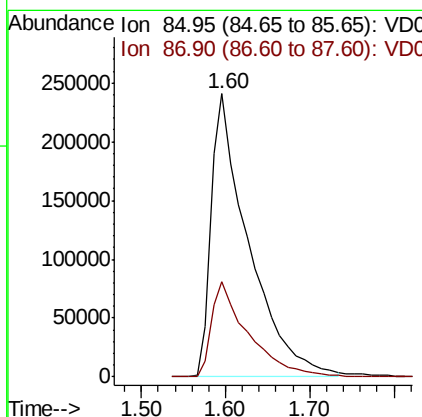
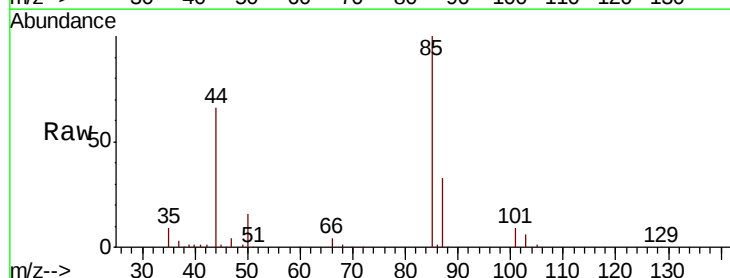
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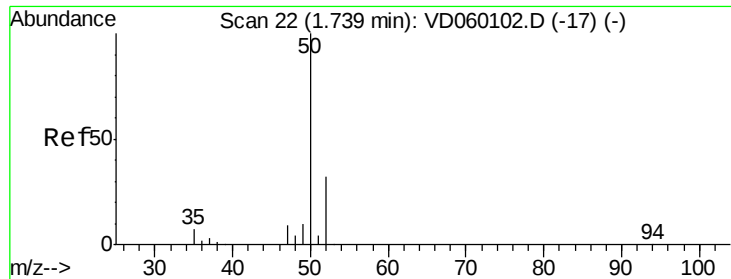


#2

Dichlorodifluoromethane
 Concen: 48.643 ug/l
 RT: 1.60 min Scan# 7
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 85 Resp: 741067
 Ion Ratio Lower Upper
 85 100
 87 33.5 15.9 47.6





#3

Chloromethane

Concen: 53.359 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 733015

Ion Ratio Lower Upper

50 100

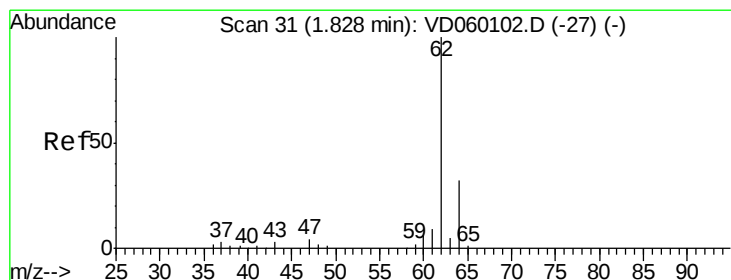
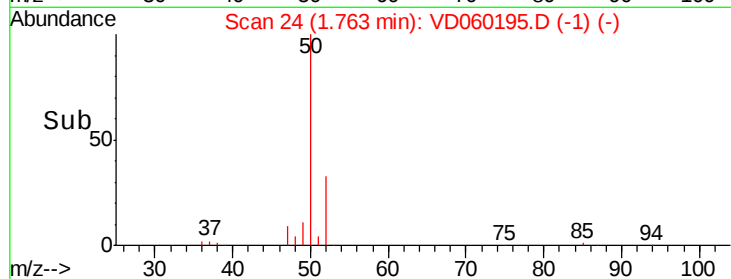
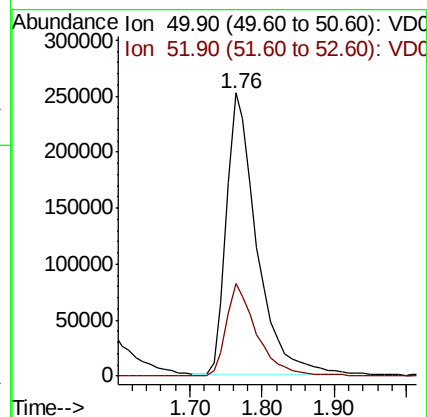
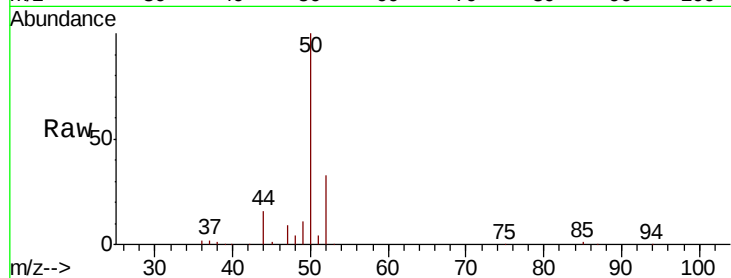
52 32.5 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.309 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060195.D

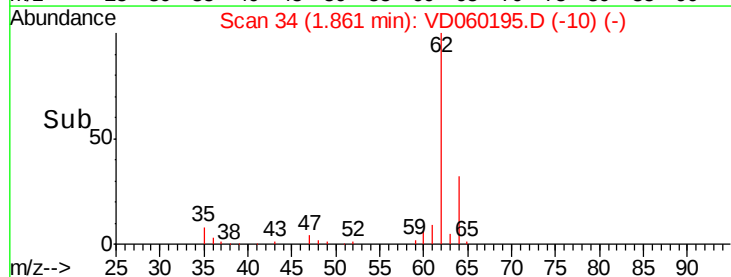
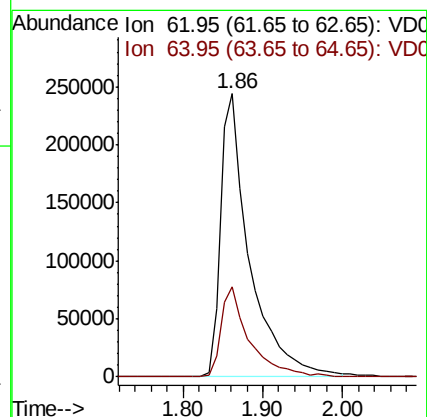
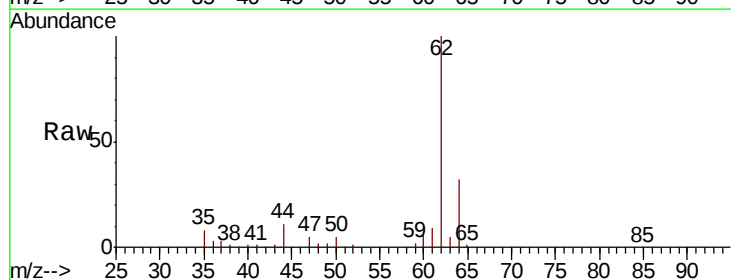
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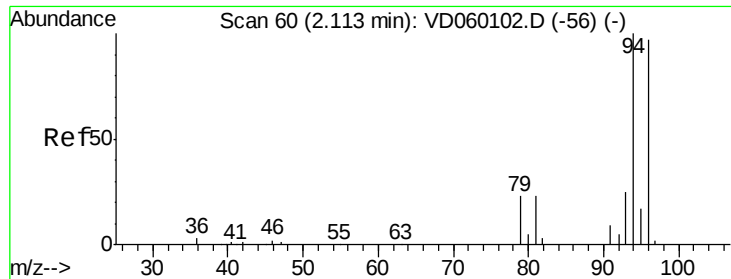
Tgt Ion: 62 Resp: 621805

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 63.109 ug/l

RT: 2.15 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 89087

Ion Ratio Lower Upper

94 100

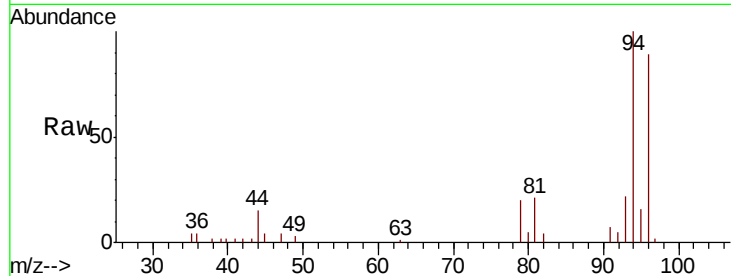
96 89.0 77.4 116.2

Manual Integrations

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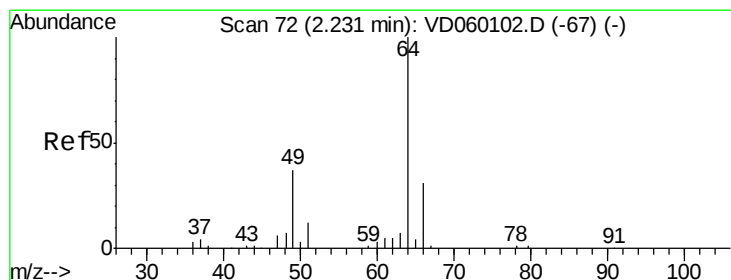
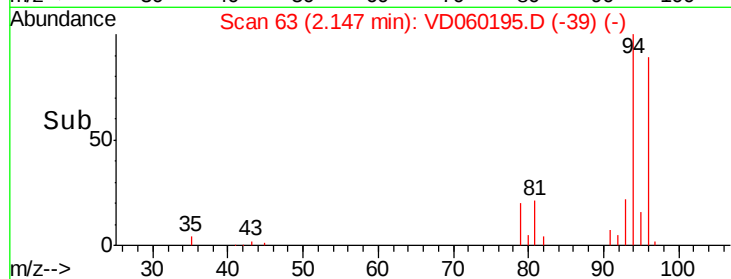
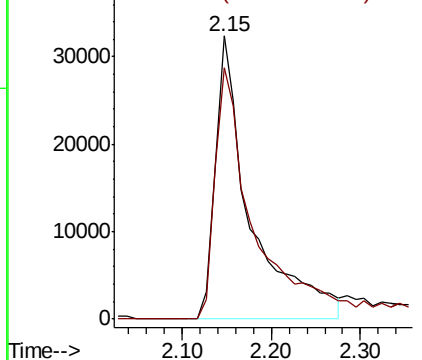
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.163 ug/l

RT: 2.26 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060195.D

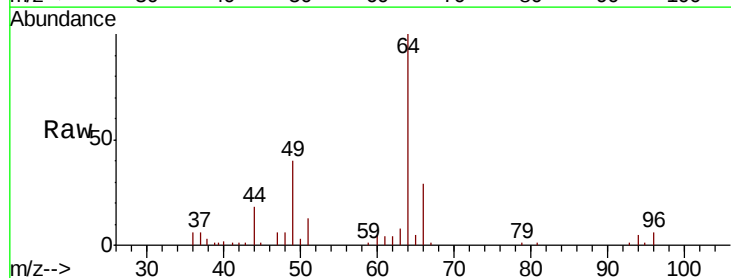
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Tgt Ion: 64 Resp: 166165

Ion Ratio Lower Upper

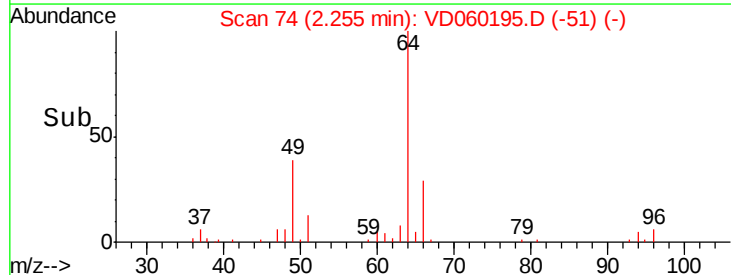
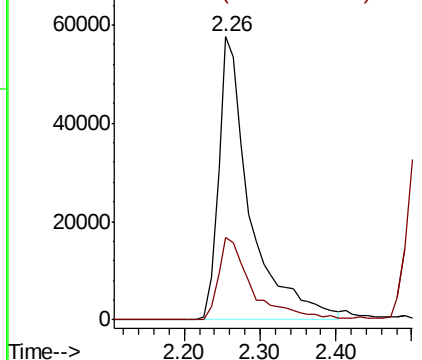
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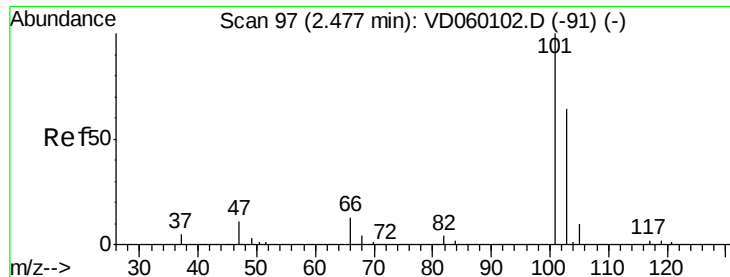
66 28.9 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

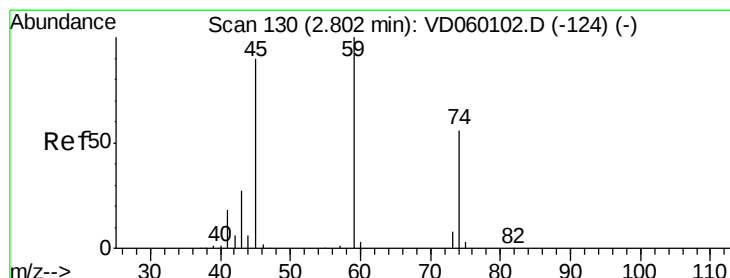
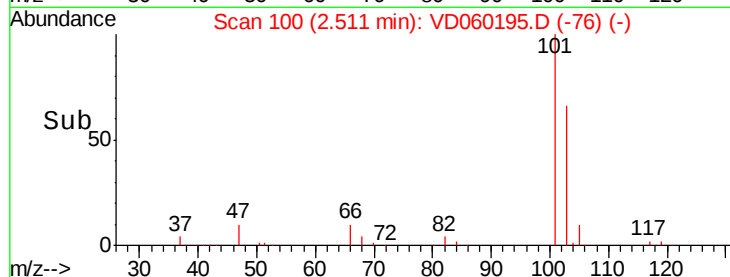
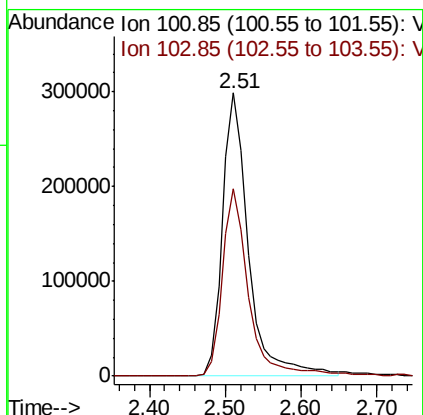
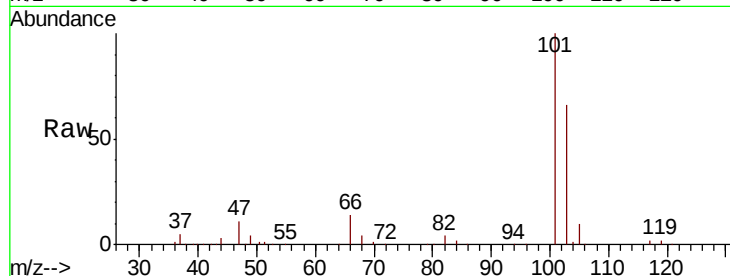
Trichlorofluoromethane
 Concen: 52.863 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.5	77.3

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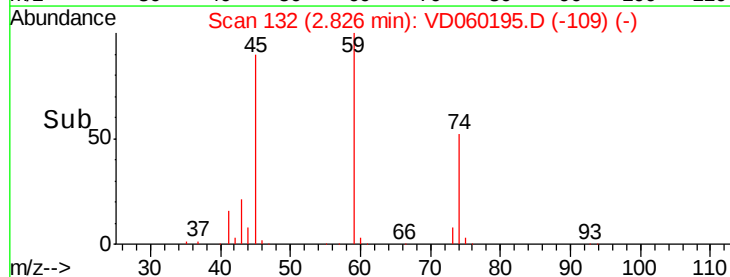
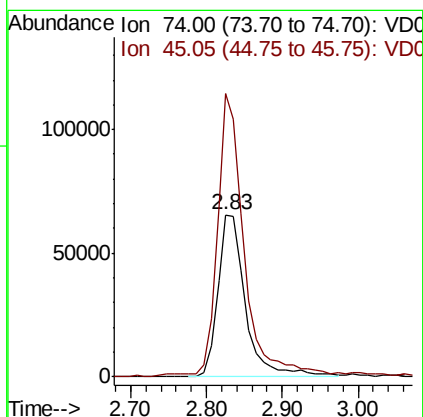
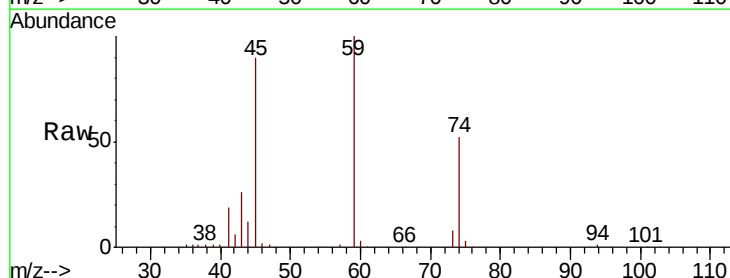
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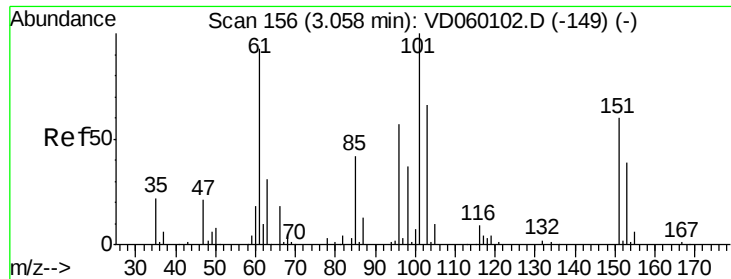


#8

Diethyl Ether
 Concen: 60.291 ug/l
 RT: 2.83 min Scan# 132
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	174.9	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.585 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

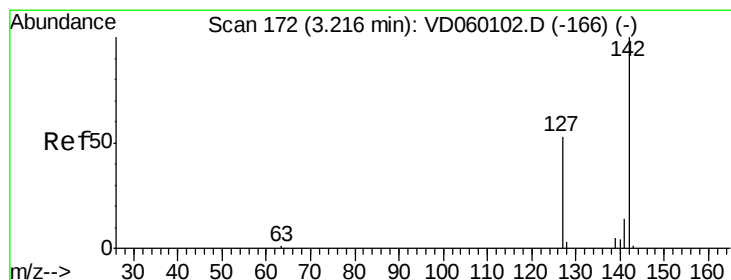
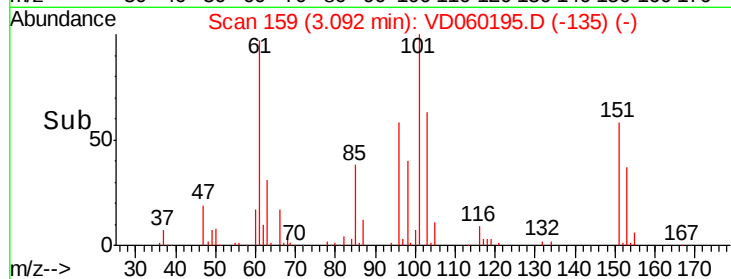
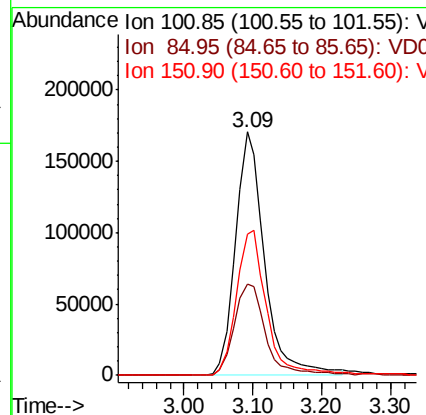
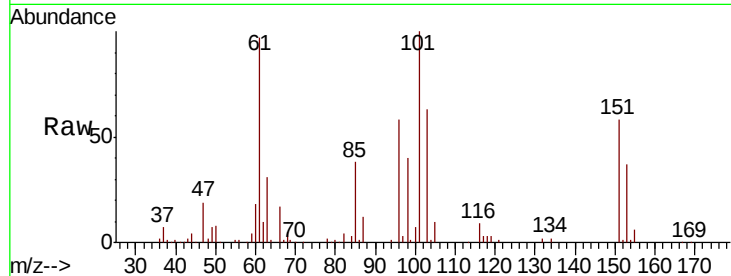
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	499690		
85	37.7	33.4	50.0	
151	58.0	48.0	72.0	

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#10

Methyl Iodide

Concen: 59.411 ug/l

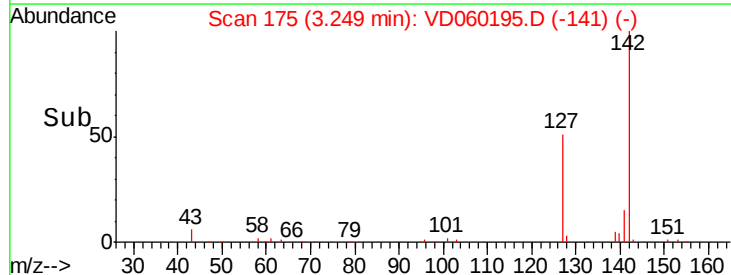
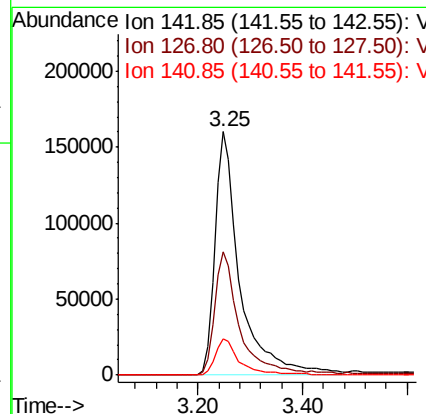
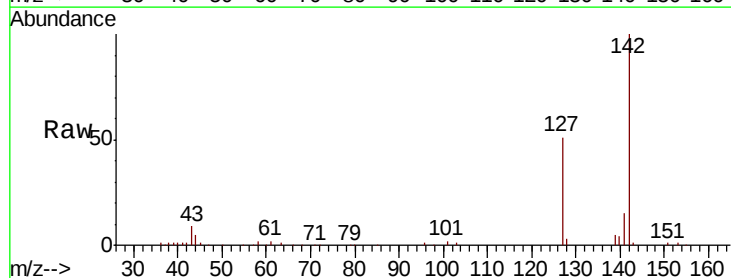
RT: 3.25 min Scan# 175

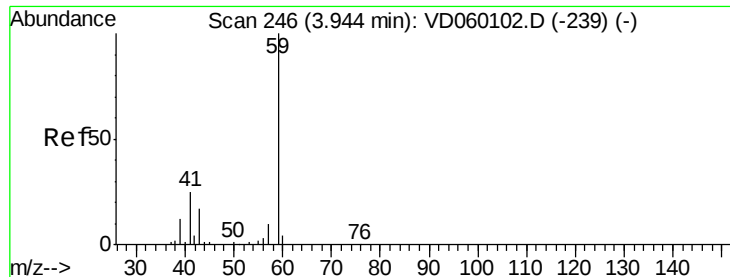
Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	528356		
127	50.8	42.0	63.0	
141	14.7	11.4	17.0	





#11

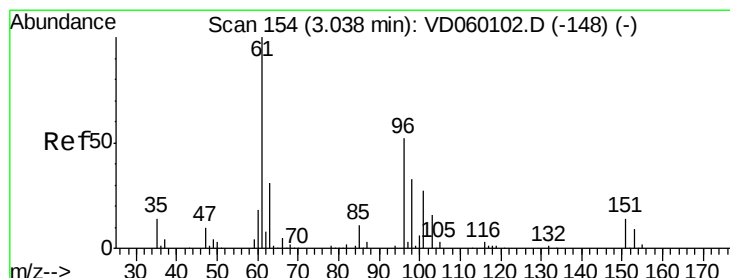
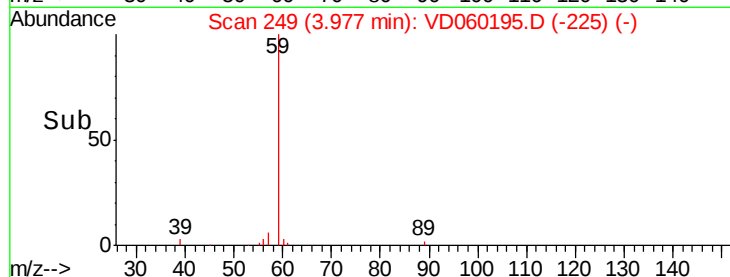
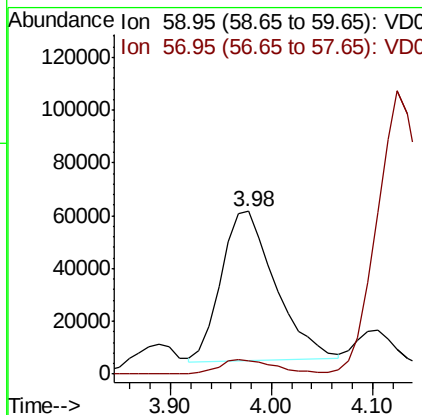
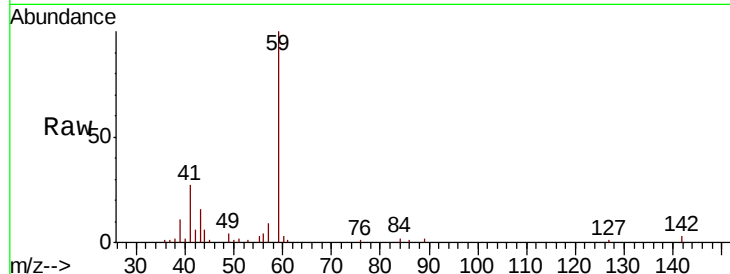
Tert butyl alcohol
 Concen: 239.261 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.8	11.6

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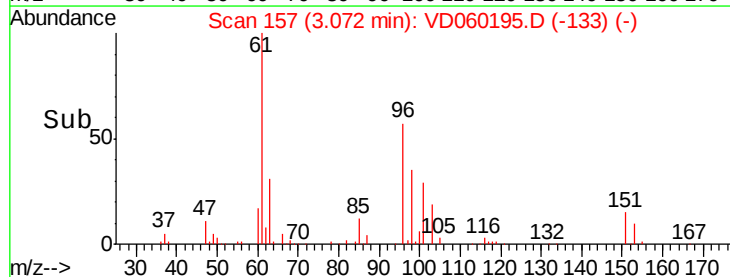
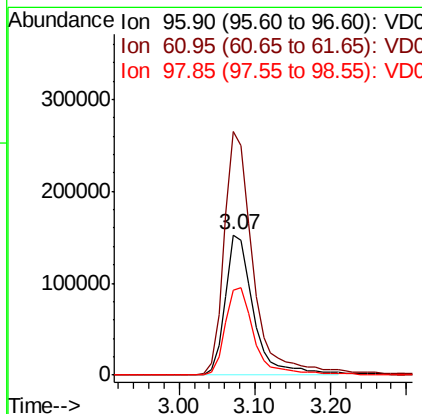
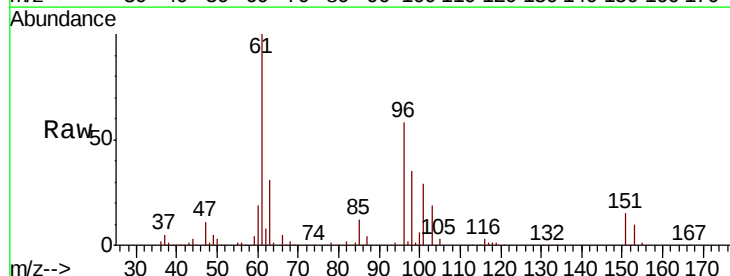
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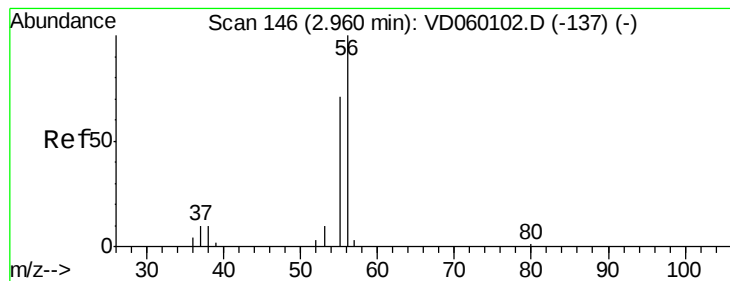


#12

1,1-Dichloroethene
 Concen: 59.816 ug/l
 RT: 3.07 min Scan# 157
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	153.0	229.4
98	60.4	51.1	76.7





#13

Acrolein

Concen: 254.214 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 137975

Ion Ratio Lower Upper

56 100

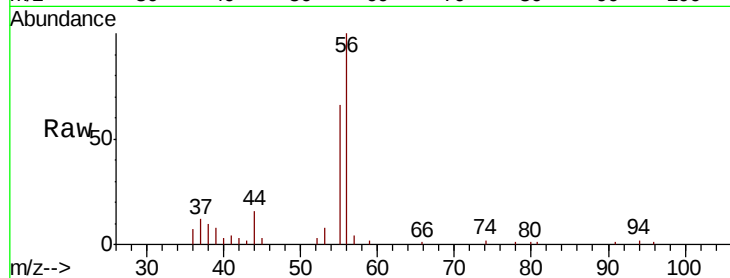
55 65.9 57.4 86.2

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

50000

40000

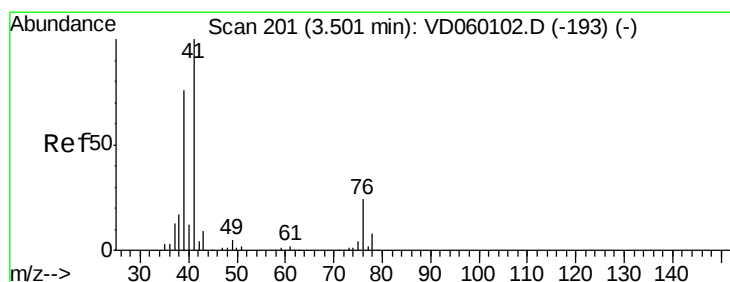
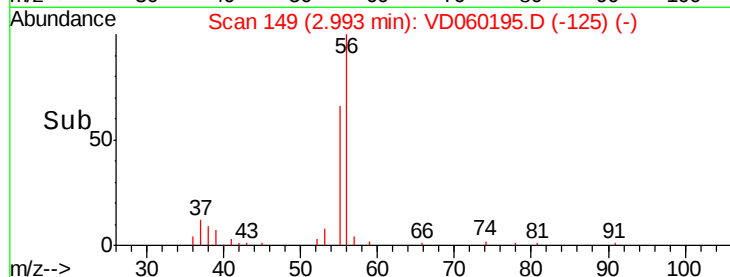
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 59.221 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

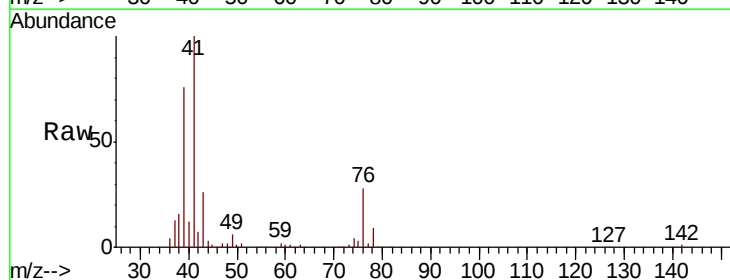
Tgt Ion: 41 Resp: 812590

Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

76 27.8 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

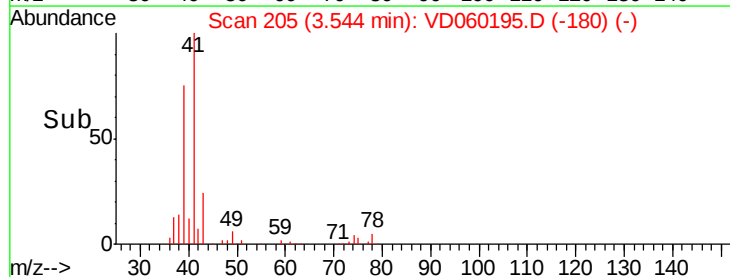
300000

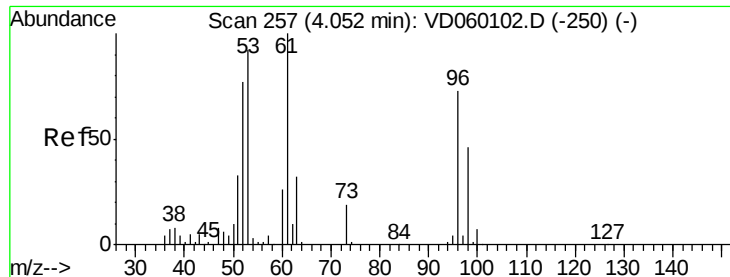
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 275.485 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1003945

Ion Ratio Lower Upper

53 100

52 82.8 67.5 101.3

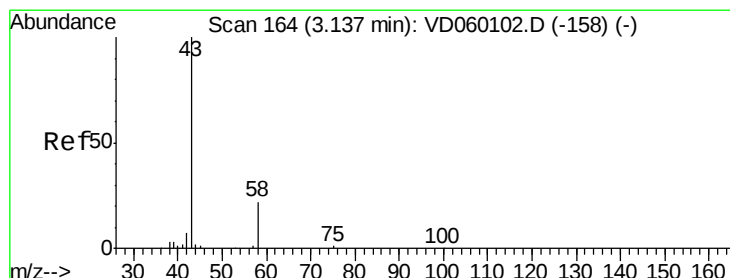
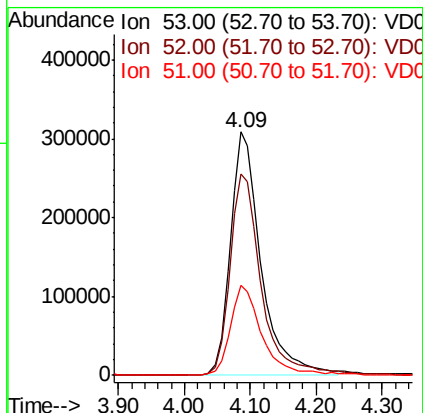
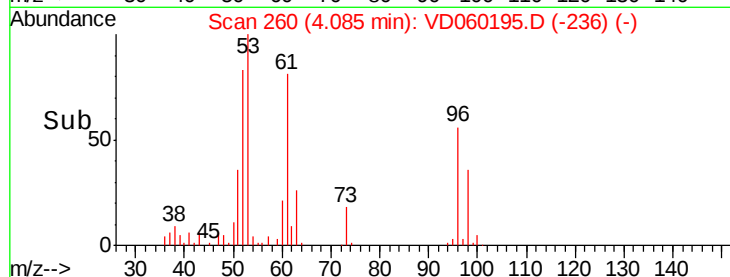
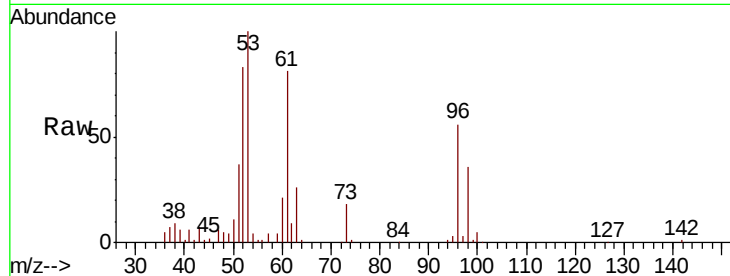
51 37.0 29.3 43.9

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#16

Acetone

Concen: 332.023 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060195.D

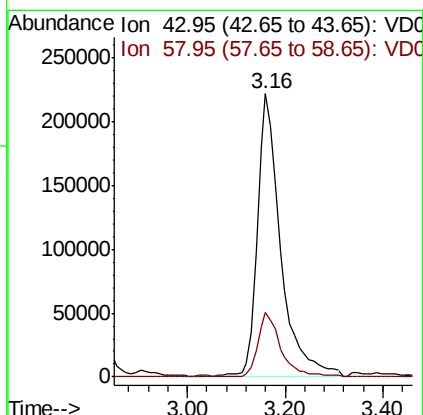
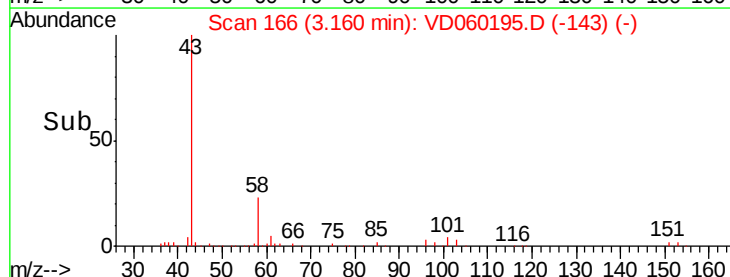
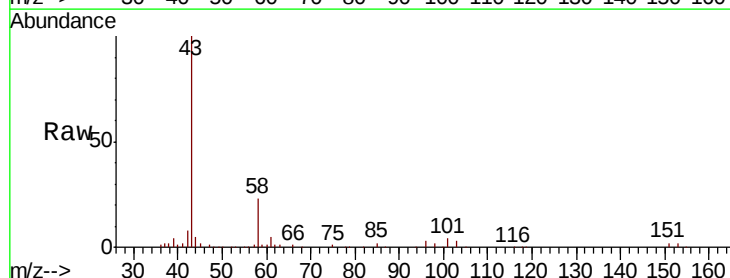
Acq: 25 Oct 2018 14:50

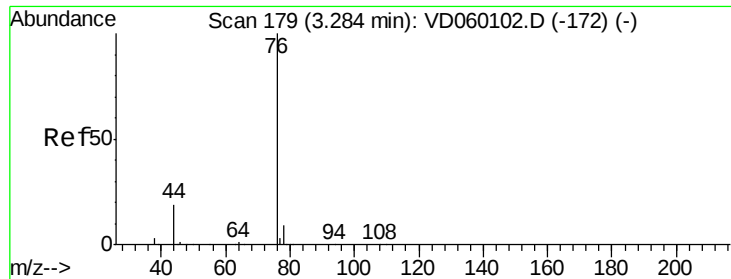
Tgt Ion: 43 Resp: 739616

Ion Ratio Lower Upper

43 100

58 22.8 17.7 26.5





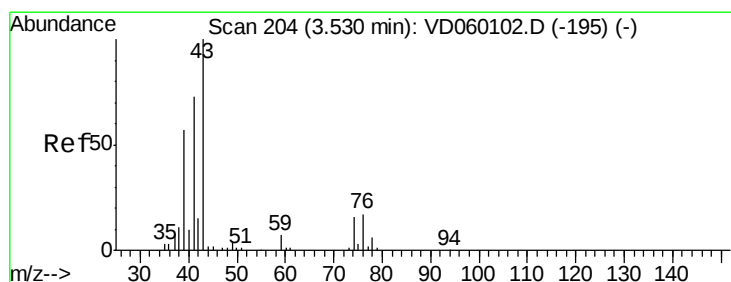
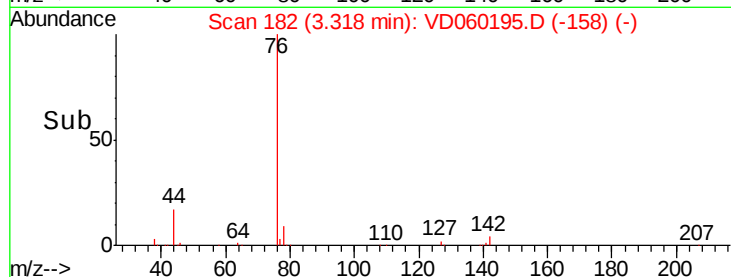
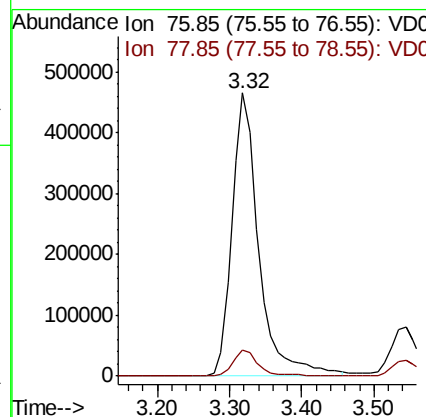
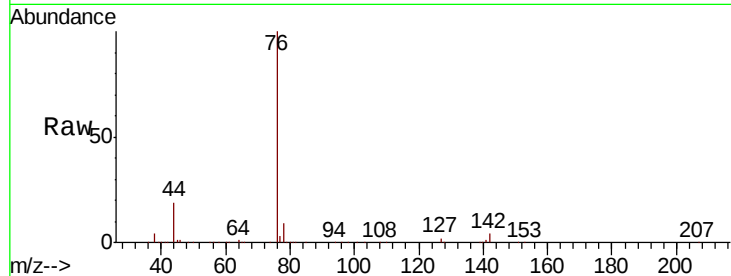
#17
Carbon Disulfide
Concen: 53.870 ug/l
RT: 3.32 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1196808
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

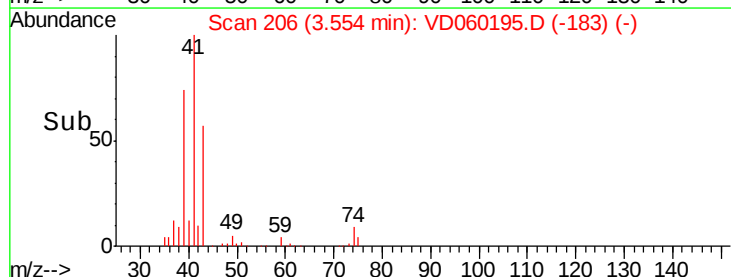
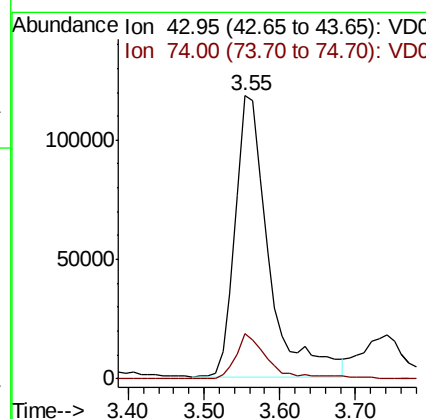
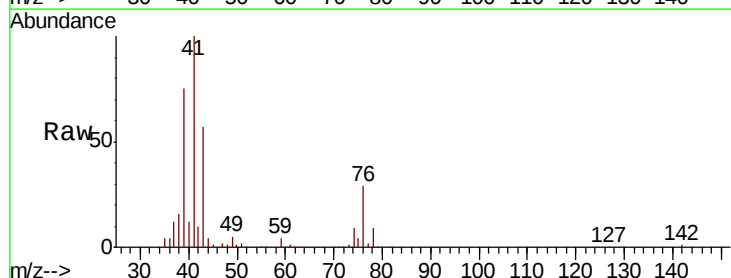
Manual Integrations
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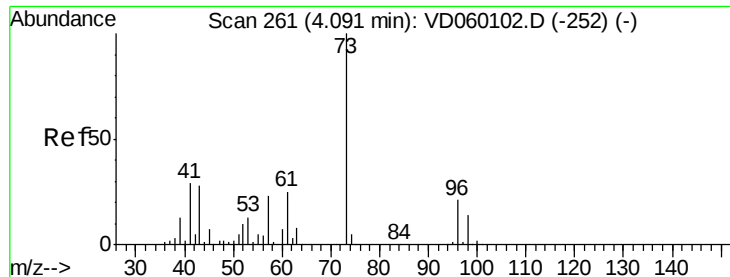
apatel
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#18
Methyl Acetate
Concen: 75.243 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 43 Resp: 360256
Ion Ratio Lower Upper
43 100
74 15.9 12.6 19.0





#19

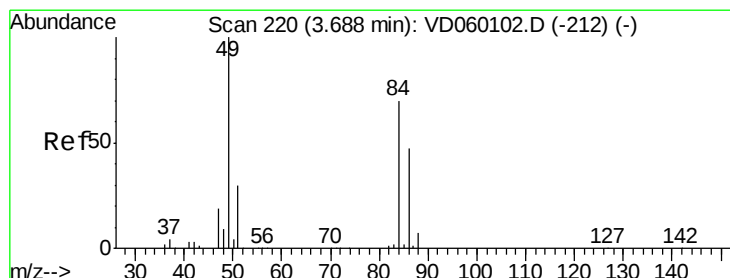
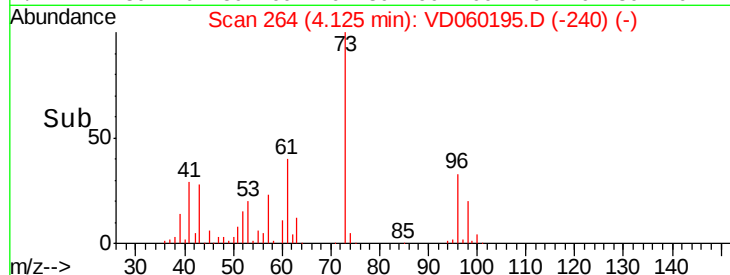
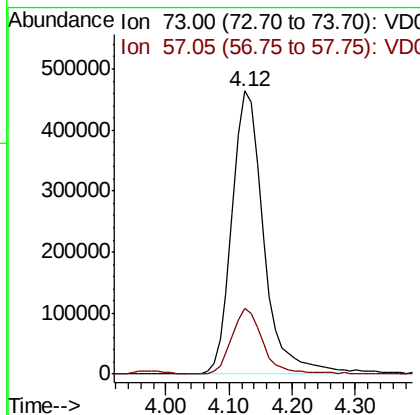
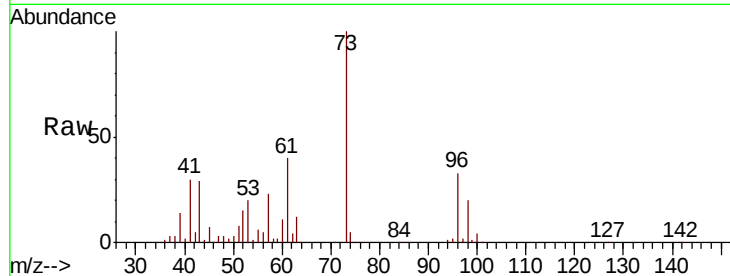
Methyl tert-butyl Ether
 Concen: 55.672 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1617125
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.7 28.1

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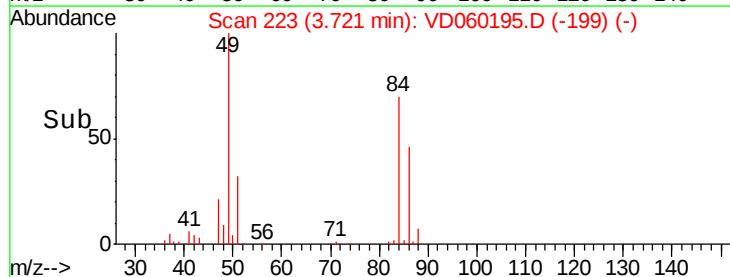
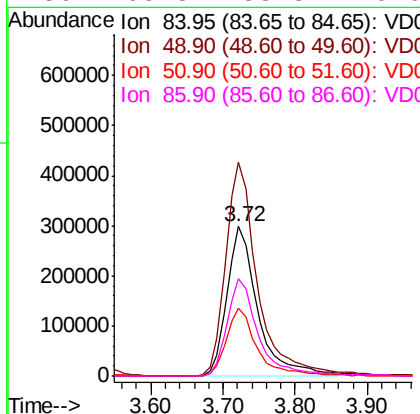
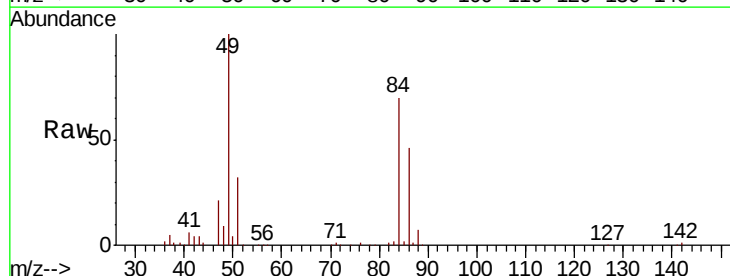
apatel
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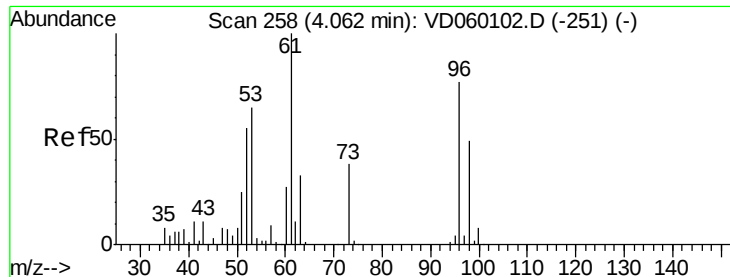


#20

Methylene Chloride
 Concen: 50.719 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 84 Resp: 888234
 Ion Ratio Lower Upper
 84 100
 49 143.1 114.6 172.0
 51 45.2 33.8 50.8
 86 65.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 51.698 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 882107

Ion Ratio Lower Upper

96 100

61 127.4 103.3 154.9

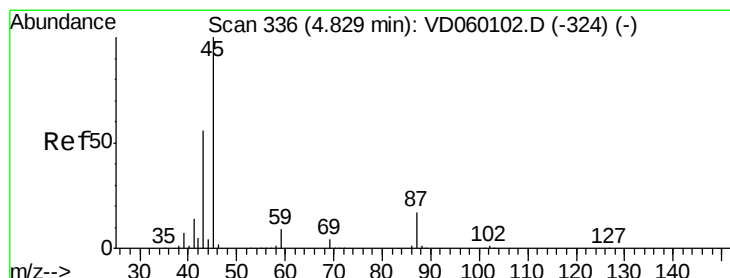
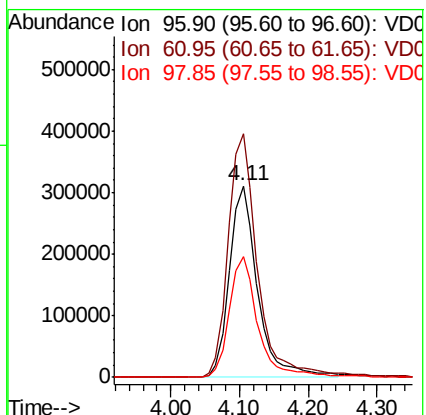
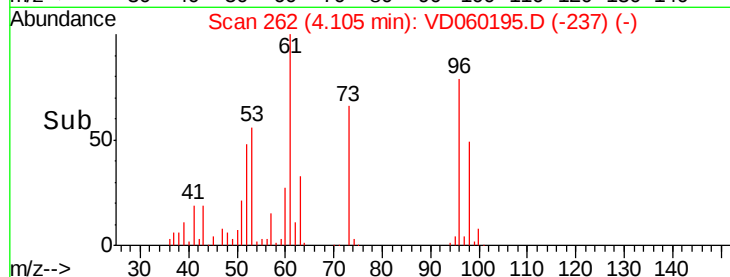
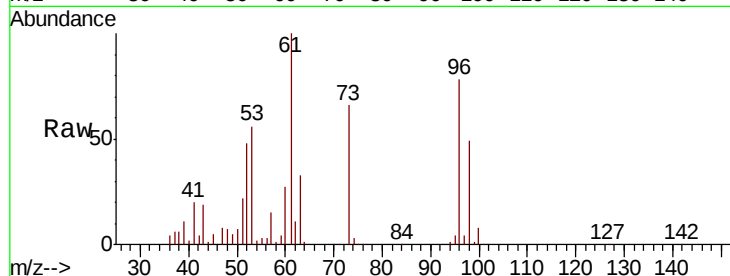
98 62.9 50.4 75.6

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#22

Diisopropyl ether

Concen: 54.827 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion: 45 Resp: 3359688

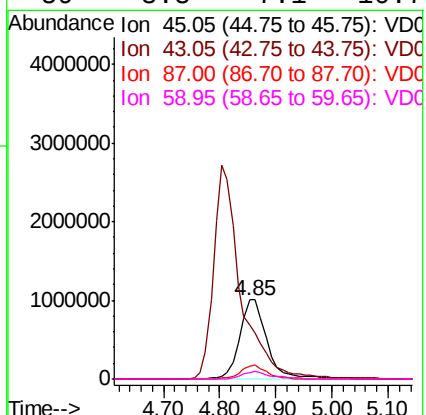
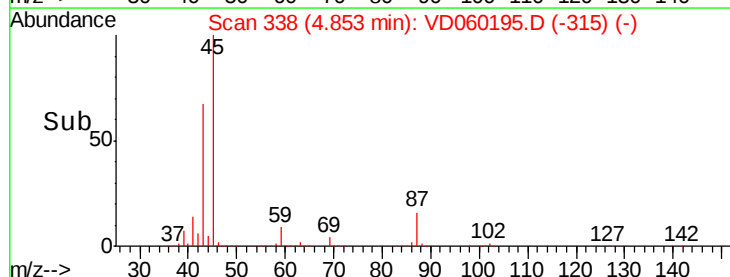
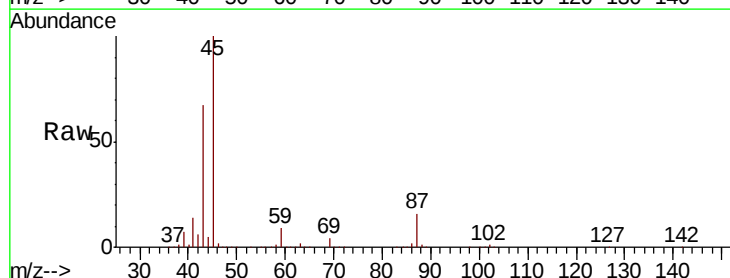
Ion Ratio Lower Upper

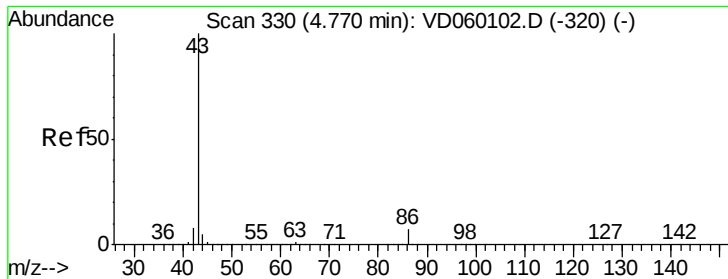
45 100

43 67.5 44.8 67.2#

87 16.4 13.9 20.9

59 8.8 7.1 10.7





#23

Vinyl Acetate

Concen: 265.280 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9137484

Ion Ratio Lower Upper

43 100

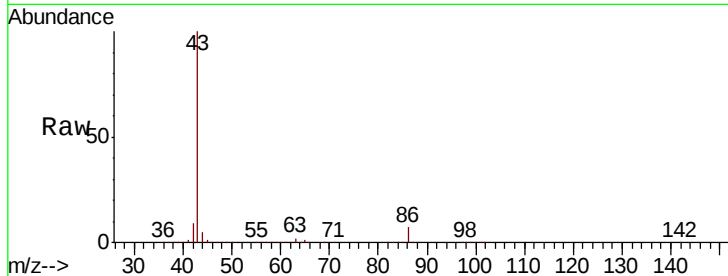
86 6.6 5.6 8.4

Manual Integrations

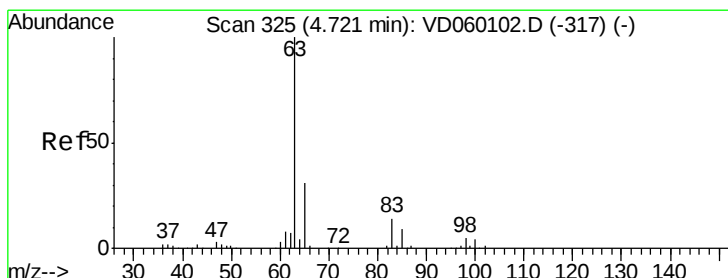
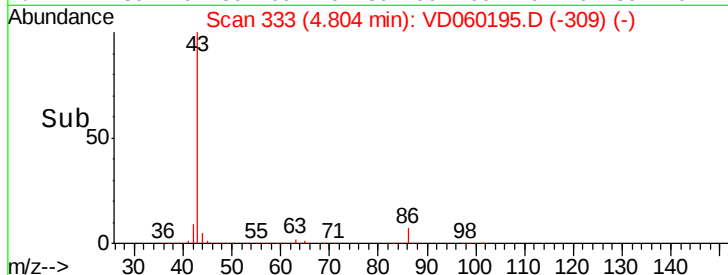
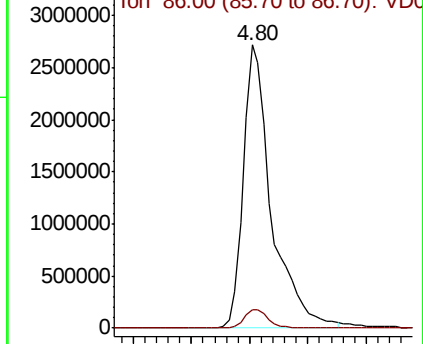
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Abundance Ion 42.95 (42.65 to 43.65): VDC



#24

1,1-Dichloroethane

Concen: 54.460 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

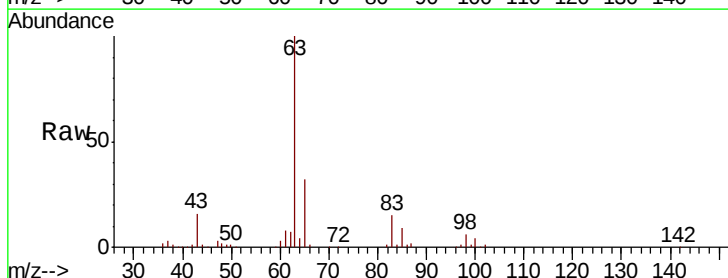
Tgt Ion: 63 Resp: 1513123

Ion Ratio Lower Upper

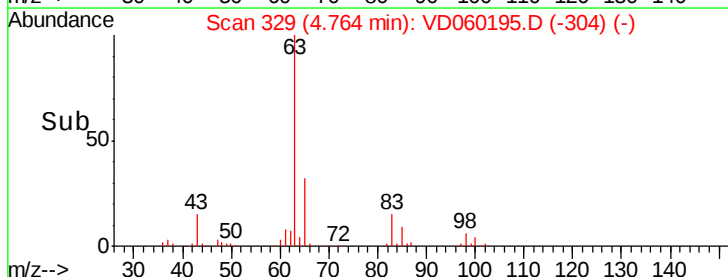
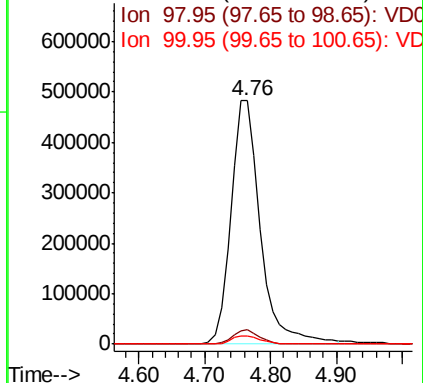
63 100

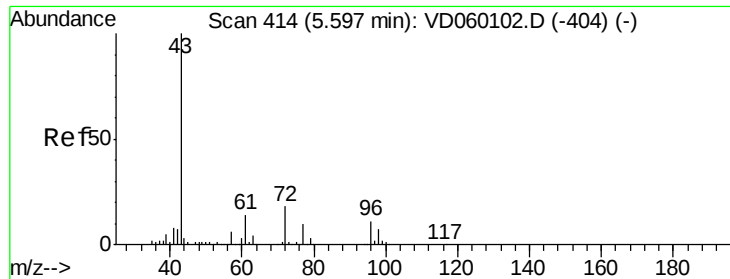
98 5.8 2.8 8.3

100 3.6 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC





#25

2-Butanone

Concen: 288.961 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1608101

Ion Ratio Lower Upper

43 100

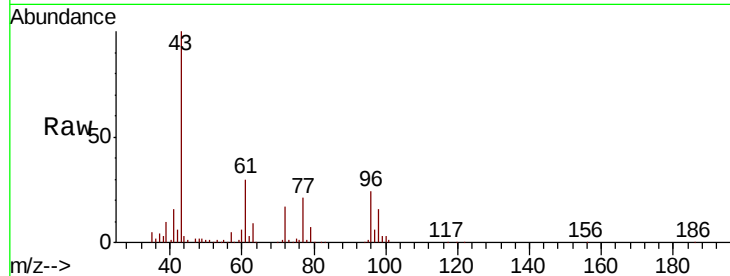
72 16.6 14.5 21.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

600000

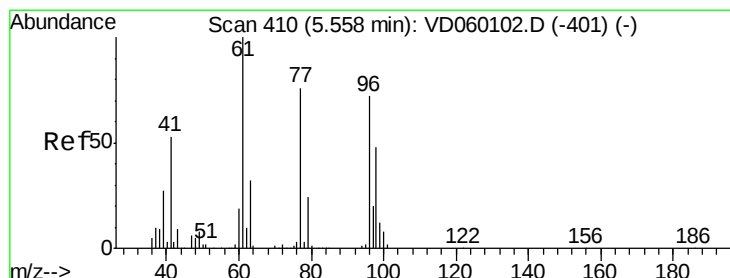
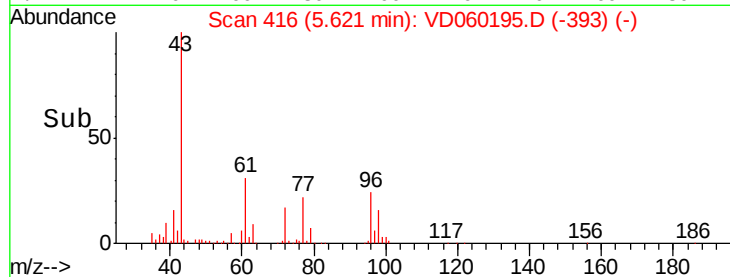
400000

200000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 58.133 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060195.D

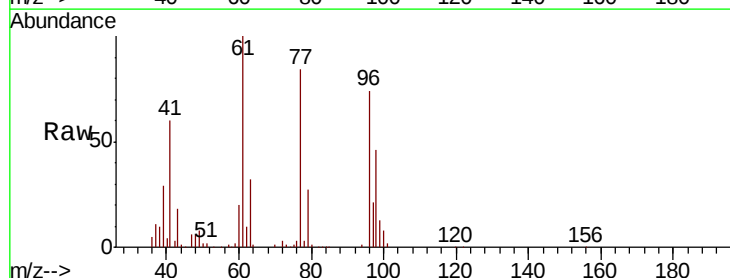
Acq: 25 Oct 2018 14:50

Tgt Ion: 77 Resp: 1224441

Ion Ratio Lower Upper

77 100

97 25.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

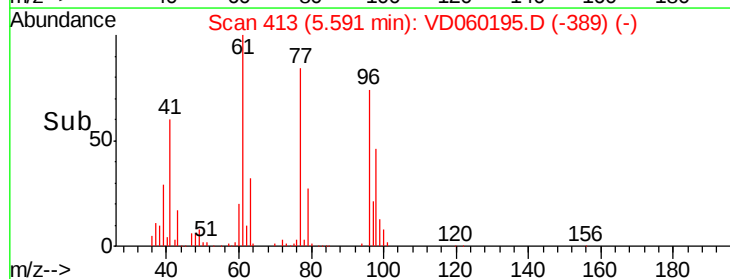
200000

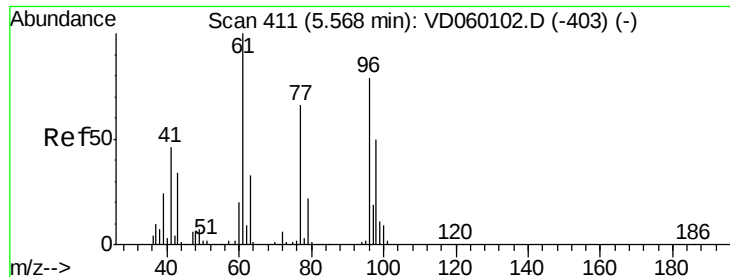
100000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

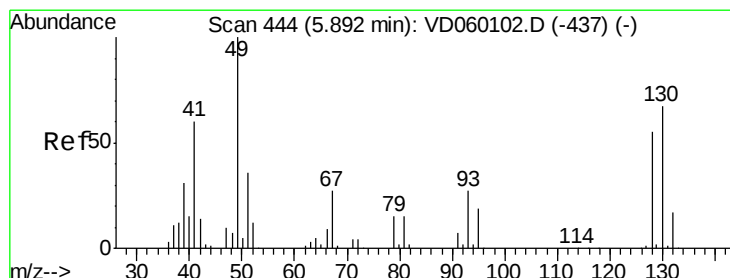
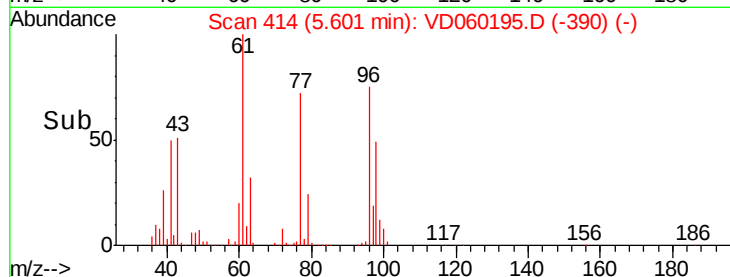
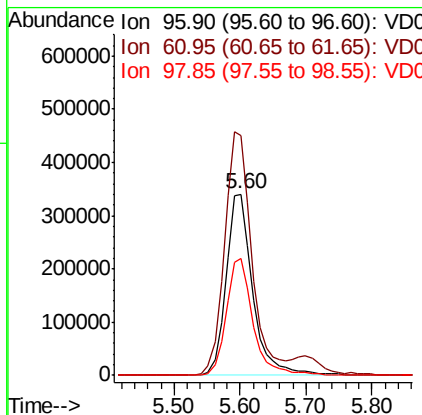
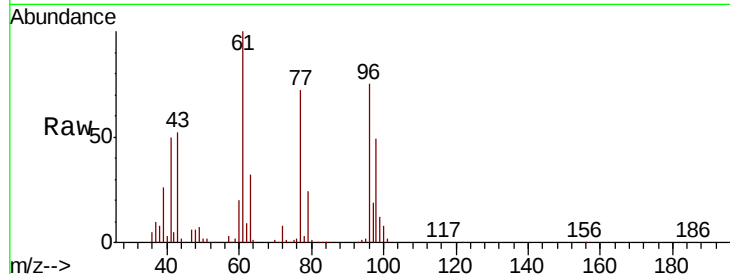
cis-1,2-Dichloroethene
Concen: 53.325 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.5	0.0	251.8	
98	64.6	0.0	125.2	

Manual Integrations
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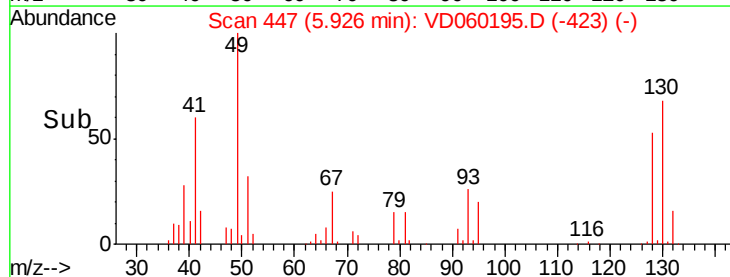
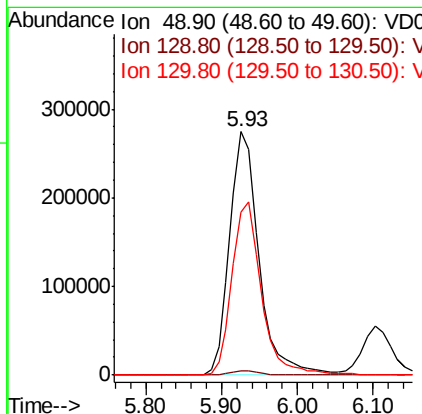
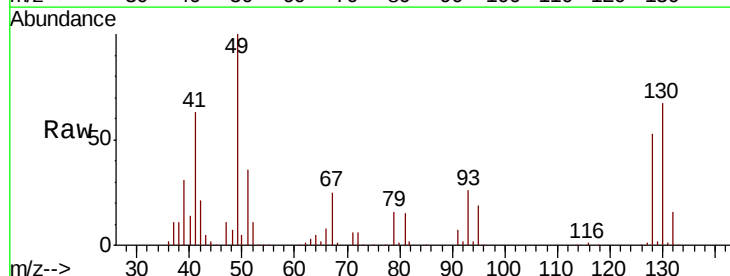
apatel
10/26/2018 10:55:43 AM

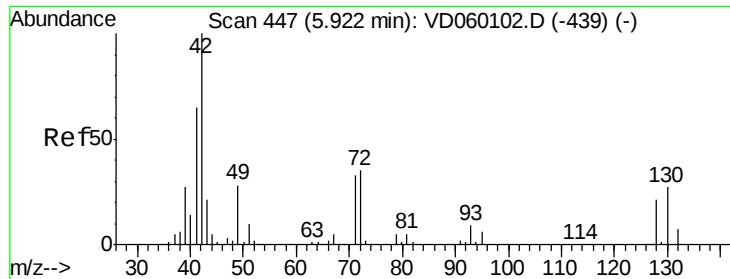


#28

Bromochloromethane
Concen: 54.609 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	67.2	53.9	80.9	





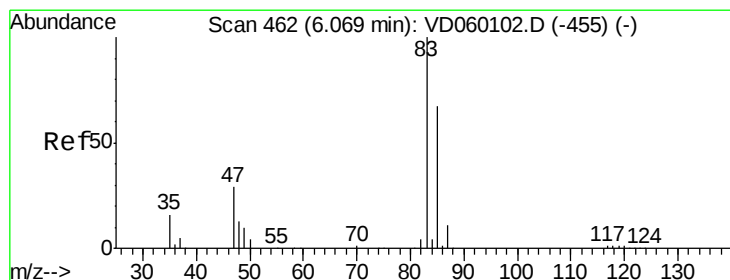
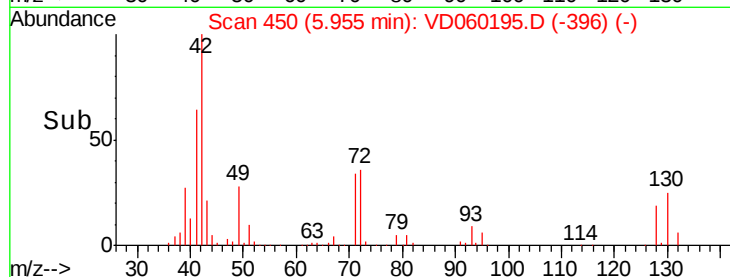
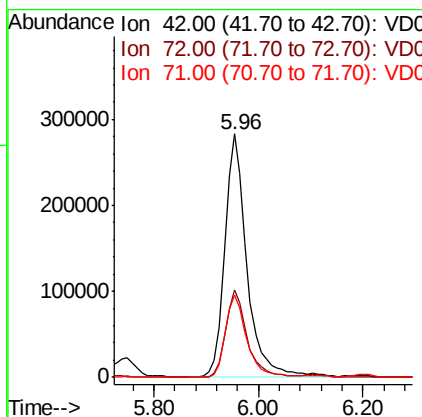
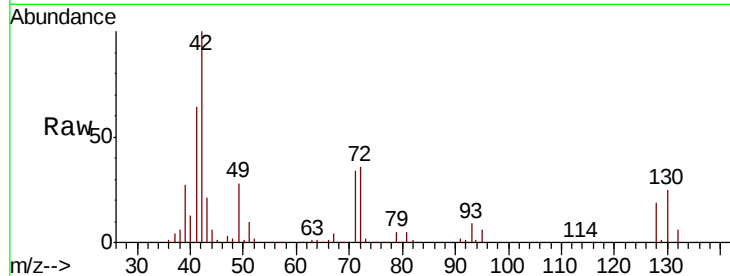
#29
Tetrahydrofuran
Concen: 253.567 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	26.9	40.3
71	33.3	26.7	40.1

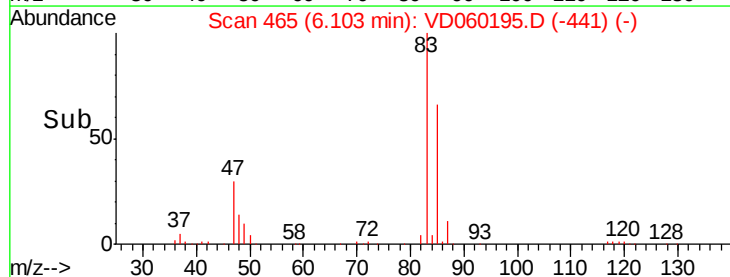
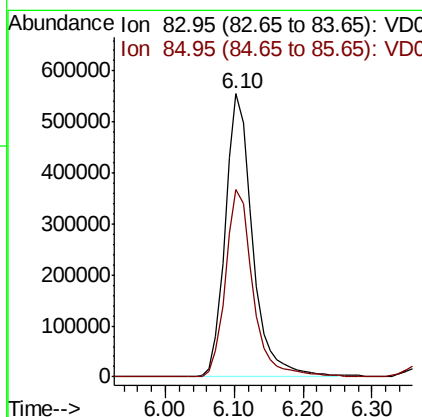
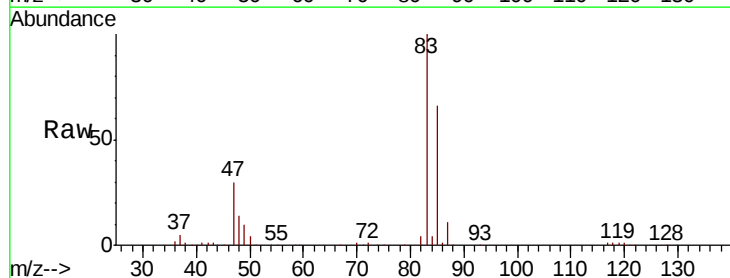
Manual Integrations
APPROVED

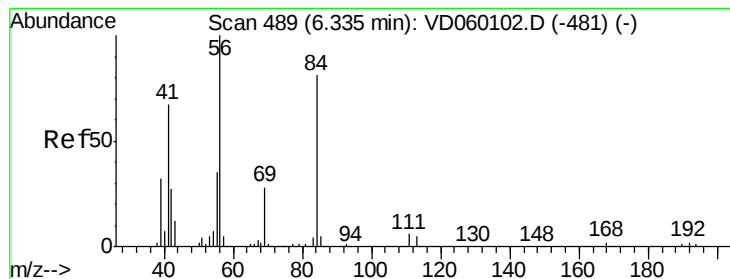
apatel
10/26/2018 10:55:43 AM



#30
Chloroform
Concen: 53.999 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.8	80.8





#31

Cyclohexane

Concen: 48.372 ug/l

RT: 6.37 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 56 Resp: 1286524

Ion Ratio Lower Upper

56 100

69 27.4 22.8 34.2

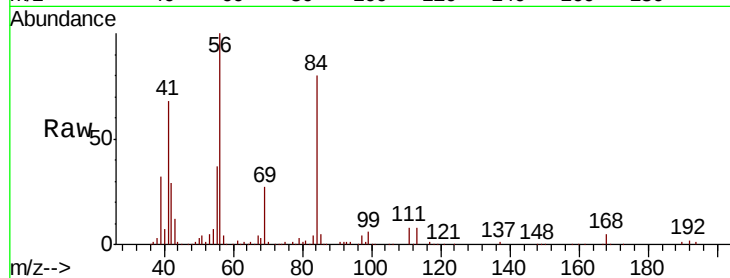
84 80.5 64.9 97.3

Manual Integrations

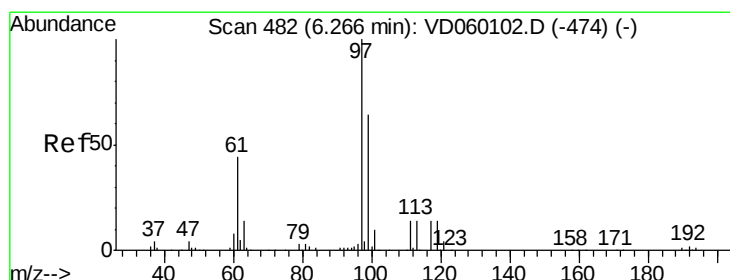
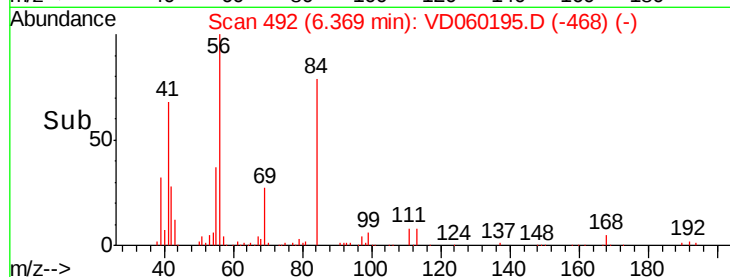
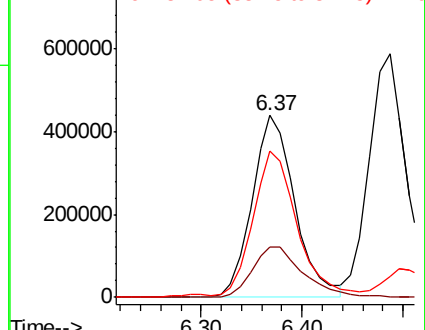
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apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.883 ug/l

RT: 6.29 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

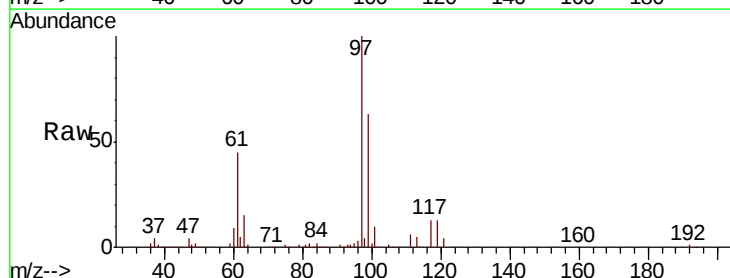
Tgt Ion: 97 Resp: 1263730

Ion Ratio Lower Upper

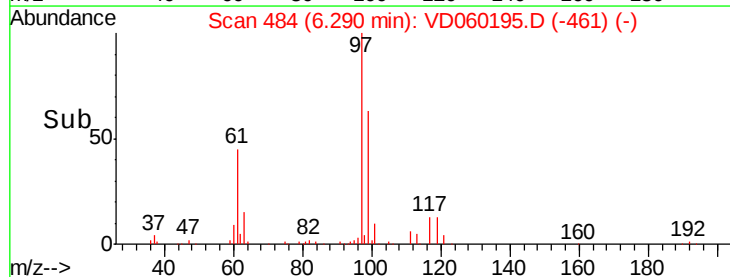
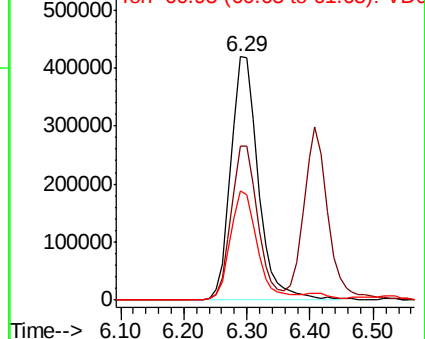
97 100

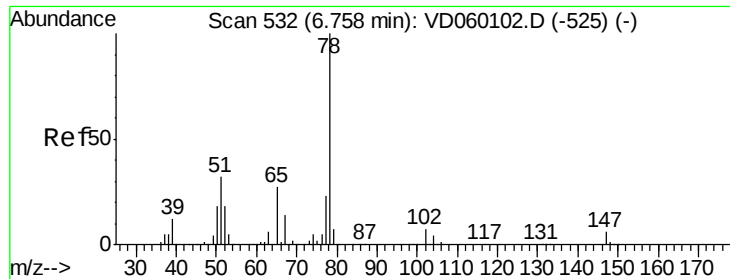
99 63.4 51.4 77.0

61 44.8 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.883 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 639952

Ion Ratio Lower Upper

65 100

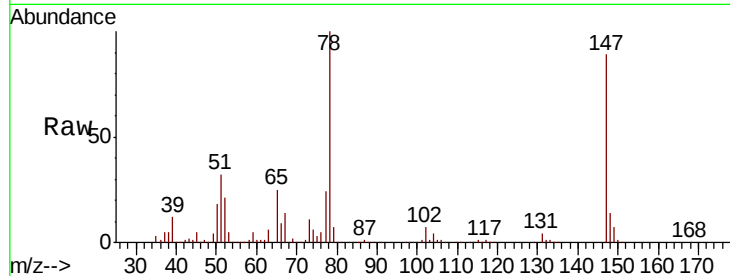
67 54.9 0.0 106.2

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

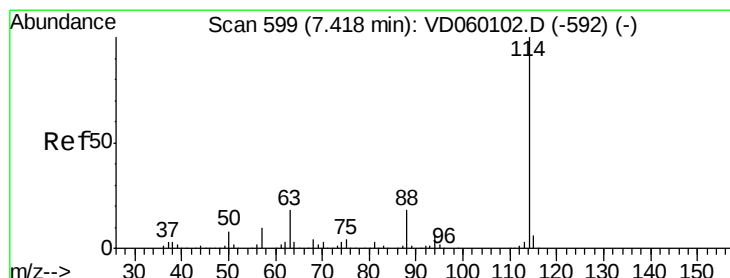
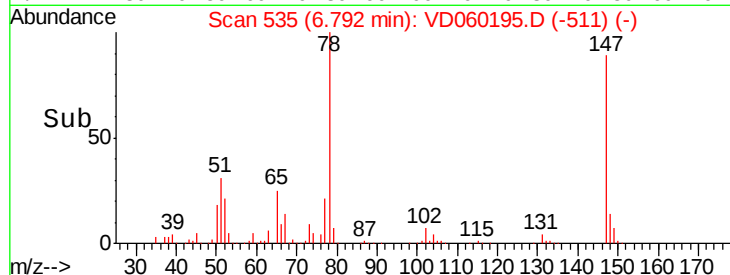
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

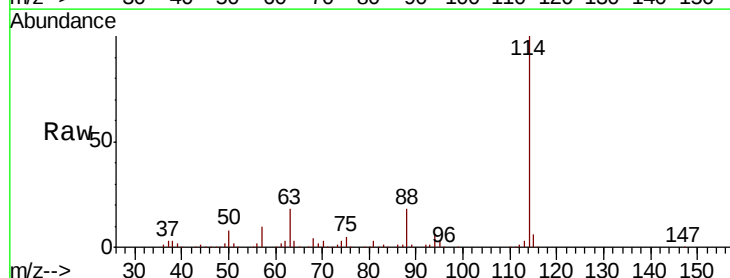
Tgt Ion: 114 Resp: 2340999

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.0

88 18.5 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

200000

0

7.30

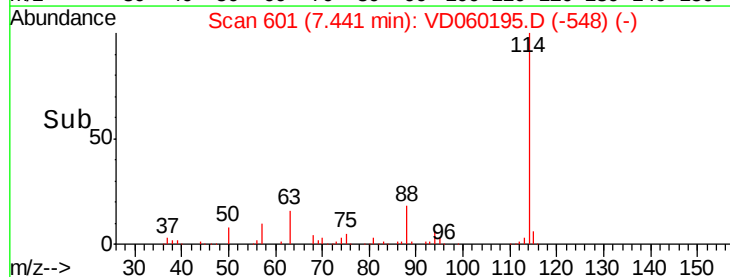
7.40

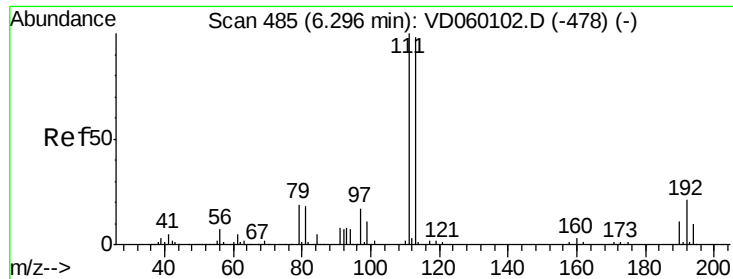
7.50

7.60

7.70

Time-->





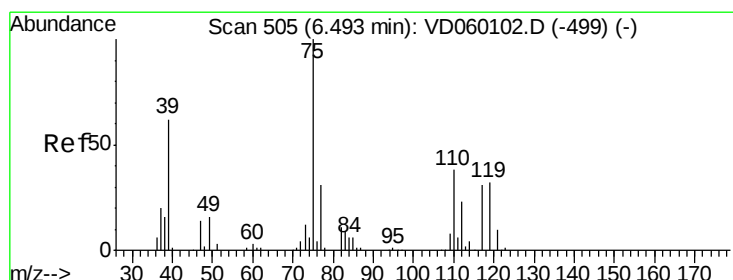
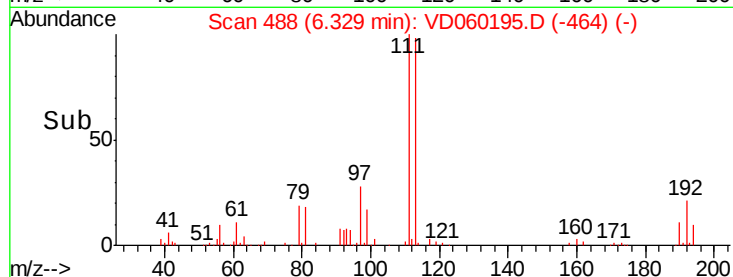
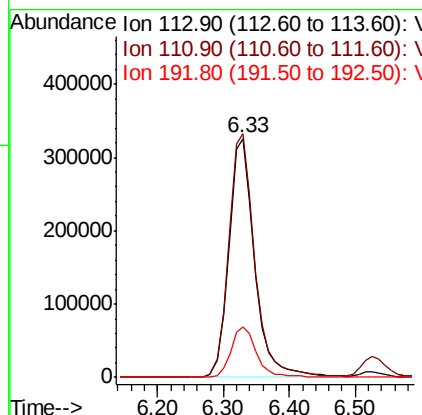
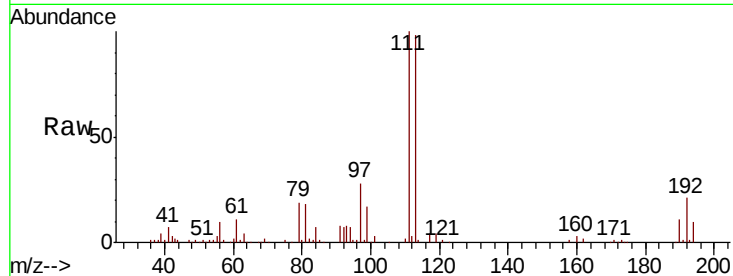
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	81.5	122.3	
192	21.0	17.4	26.0	

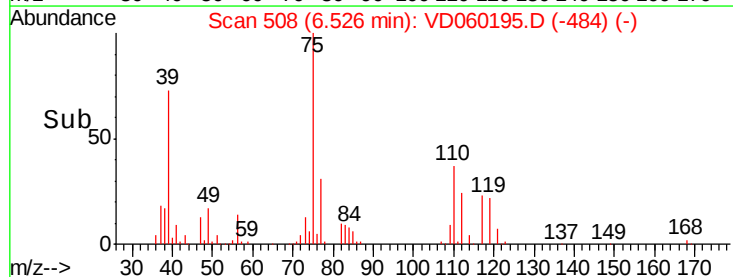
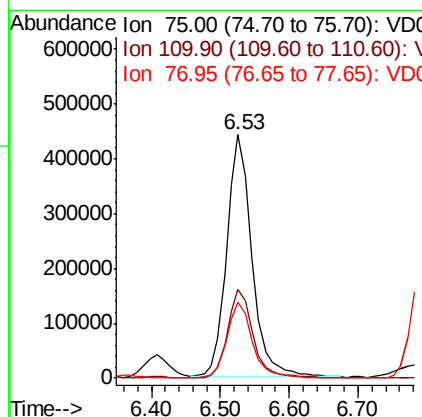
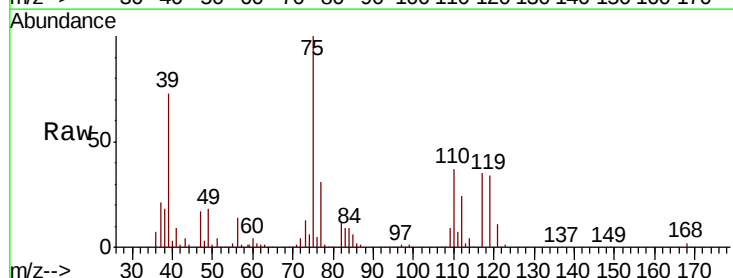
Manual Integrations
APPROVED

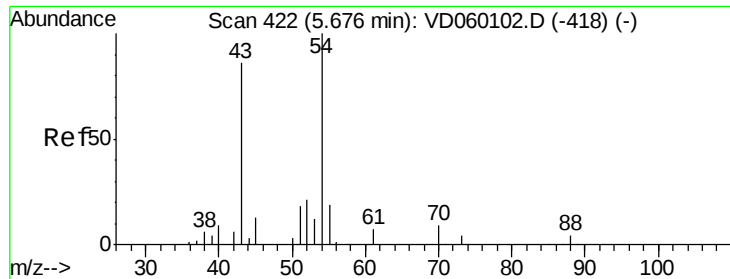
apatel
10/26/2018 10:55:43 AM



#36
1,1-Dichloropropene
Concen: 49.959 ug/l
RT: 6.53 min Scan# 508
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	19.0	57.0	
77	31.1	24.9	37.3	





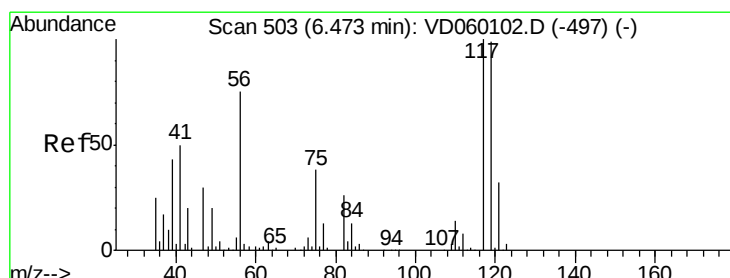
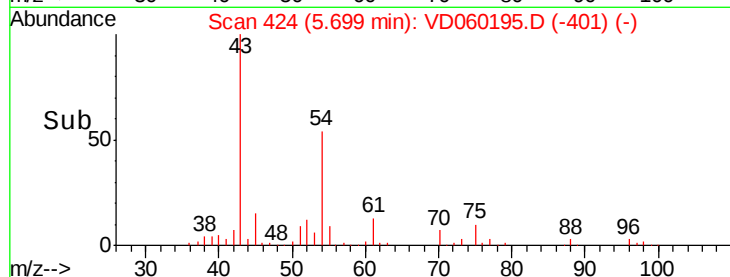
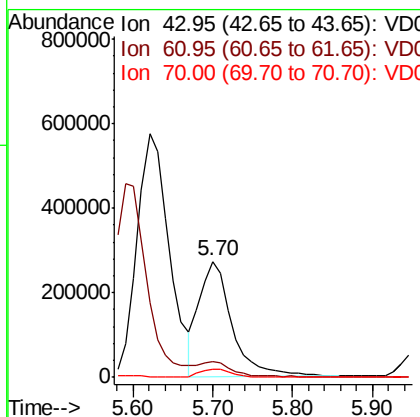
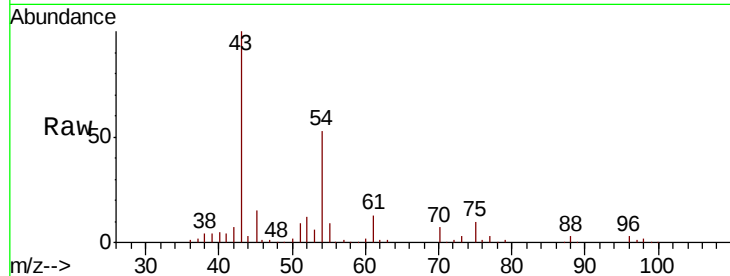
#37
Ethyl Acetate
Concen: 51.890 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	7.3	6.3	9.5

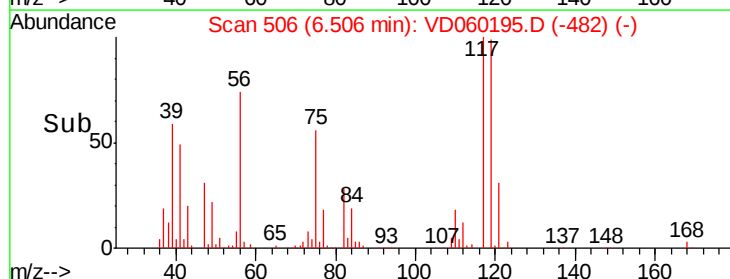
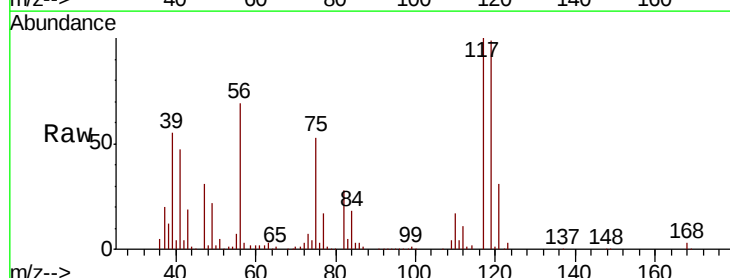
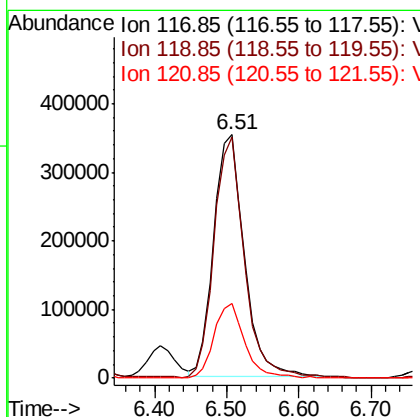
Manual Integrations
APPROVED

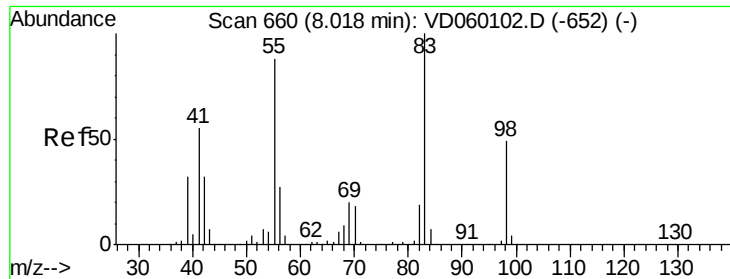
apatel
10/26/2018 10:55:43 AM



#38
Carbon Tetrachloride
Concen: 51.324 ug/l
RT: 6.51 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.8	116.6
121	30.9	24.8	37.2





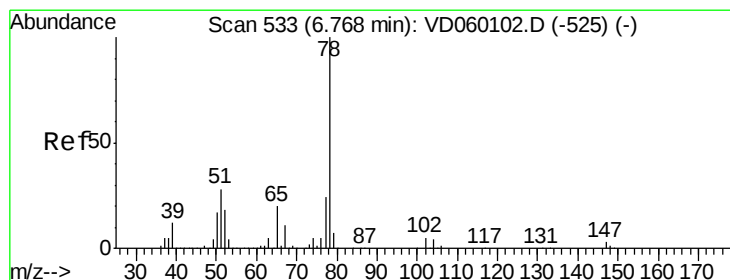
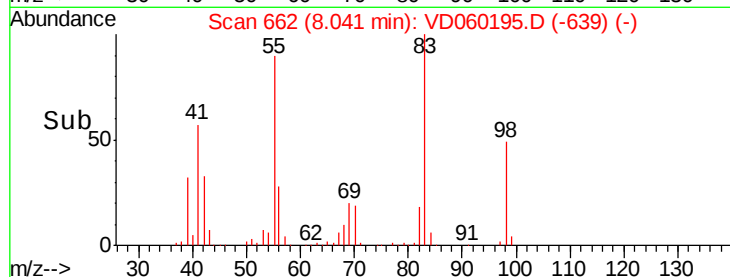
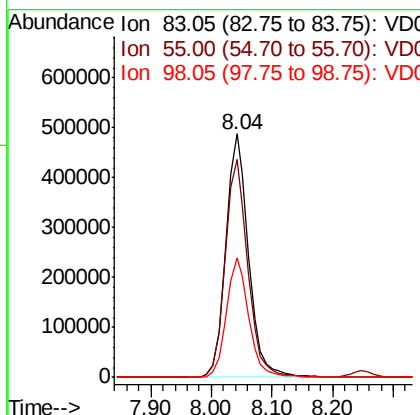
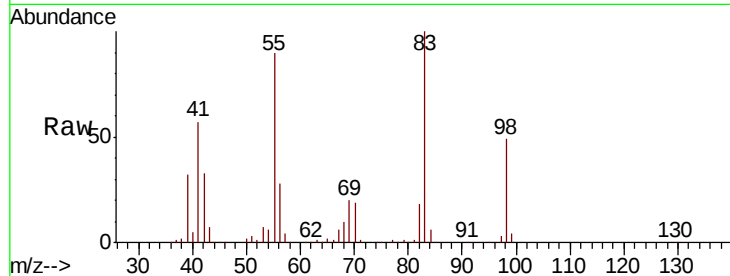
#39
Methvlcvclohexane
Concen: 49.817 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1266214
Ion Ratio Lower Upper
83 100
55 89.8 70.5 105.7
98 48.9 39.4 59.2

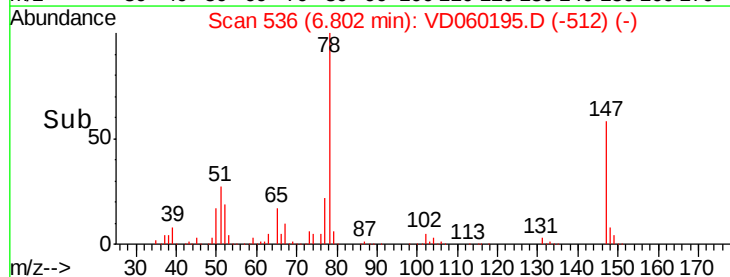
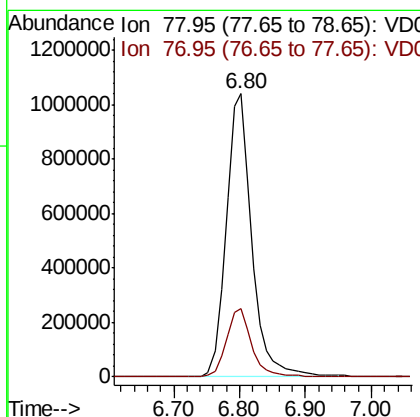
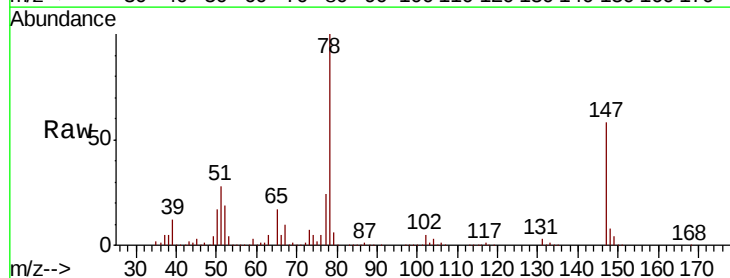
Manual Integrations
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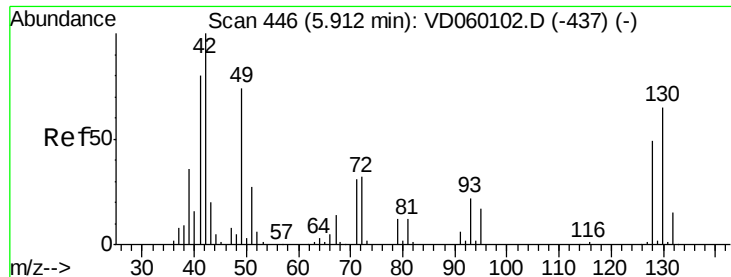
apatel
10/26/2018 10:55:43 AM



#40
Benzene
Concen: 48.261 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 78 Resp: 2824410
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





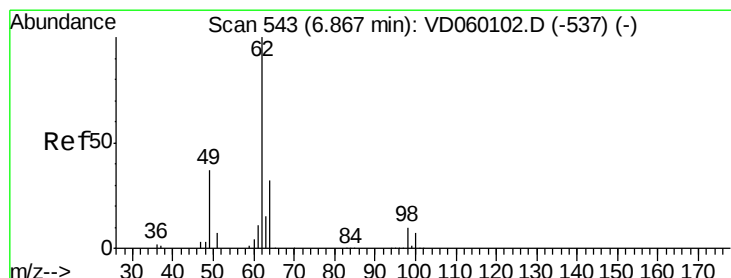
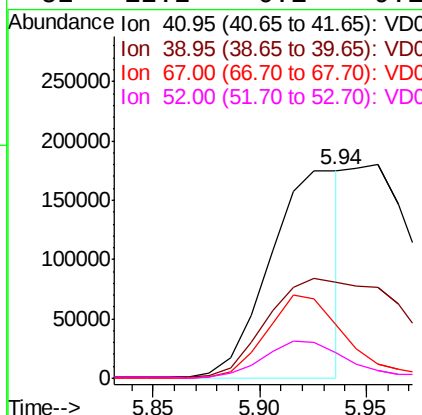
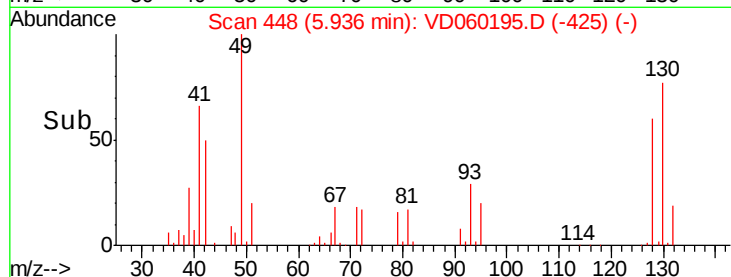
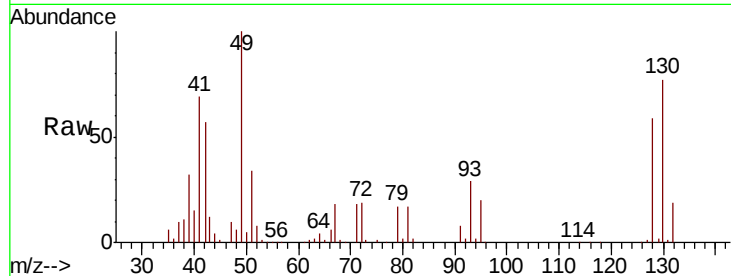
#41
Methacrylonitrile
Concen: 48.545 ug/l m
RT: 5.94 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.3	36.0	54.0
67	26.1	13.9	20.9
52	12.2	6.1	9.1

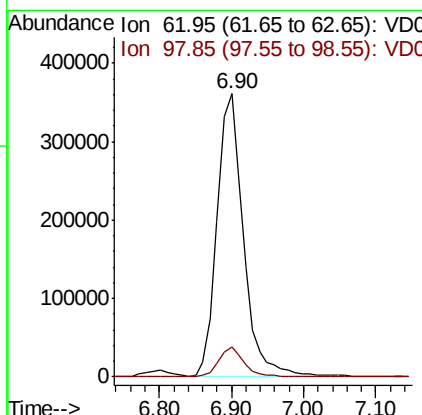
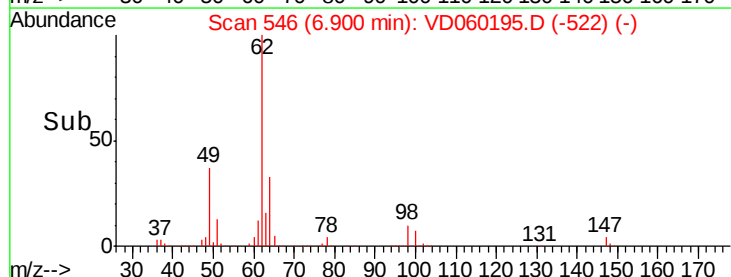
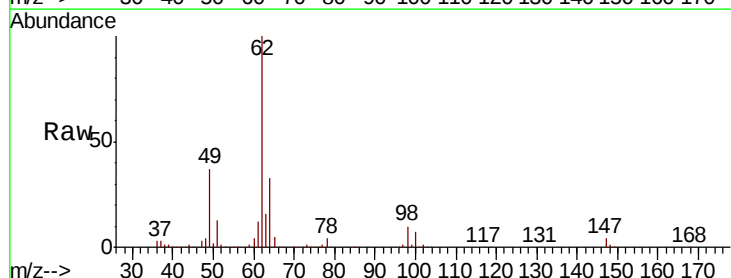
Manual Integrations
APPROVED

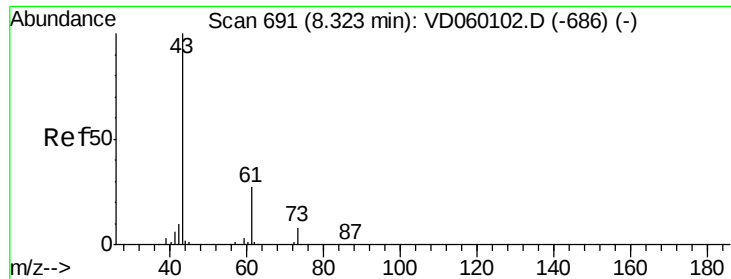
apatel
10/26/2018 10:55:43 AM



#42
1,2-Dichloroethane
Concen: 53.993 ug/l
RT: 6.90 min Scan# 546
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





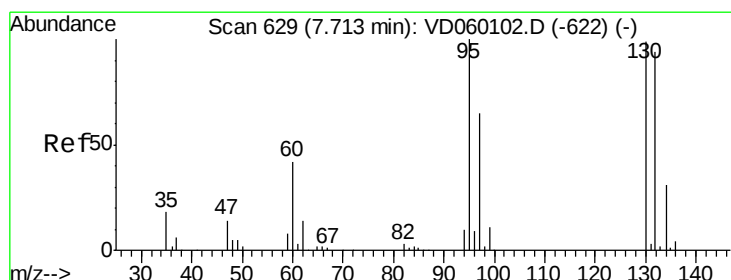
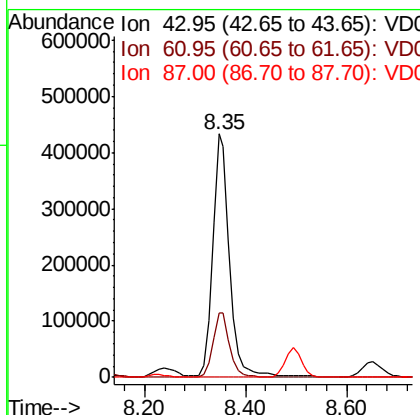
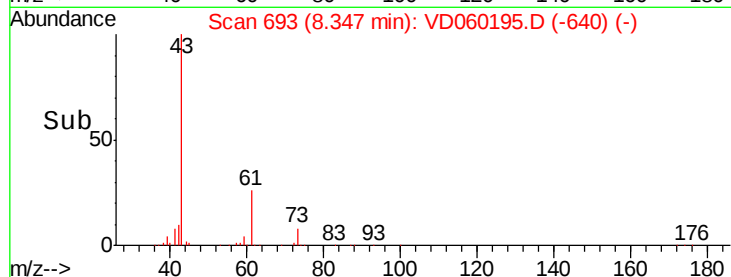
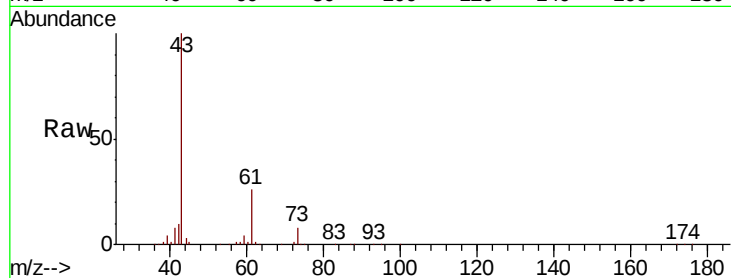
#43
Isopropyl Acetate
Concen: 51.964 ug/l
RT: 8.35 min Scan# 693
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1015109
Ion Ratio Lower Upper
43 100
61 26.4 21.4 32.2
87 0.3 0.2 0.2#

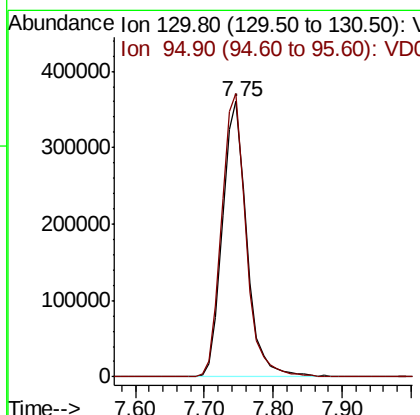
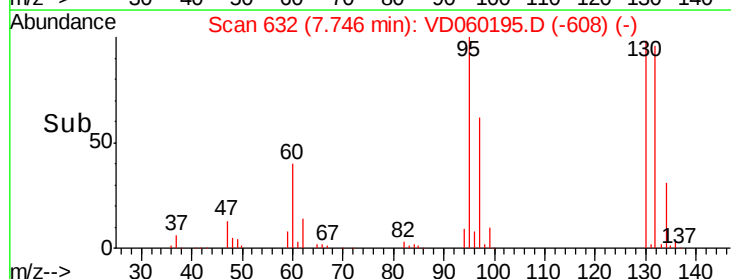
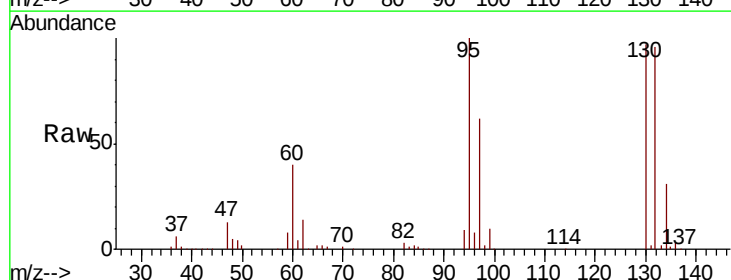
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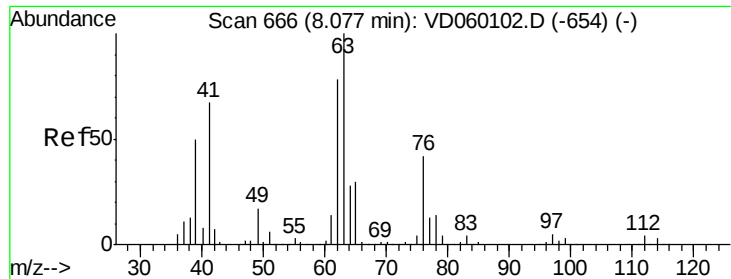
apatel
10/26/2018 10:55:43 AM



#44
Trichloroethene
Concen: 48.665 ug/l
RT: 7.75 min Scan# 632
Delta R.T. 0.03 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 130 Resp: 881644
Ion Ratio Lower Upper
130 100
95 102.8 0.0 202.2





#45

1,2-Dichloropropane

Concen: 51.931 ug/l

RT: 8.10 min Scan# 668

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 795804

Ion Ratio Lower Upper

63 100

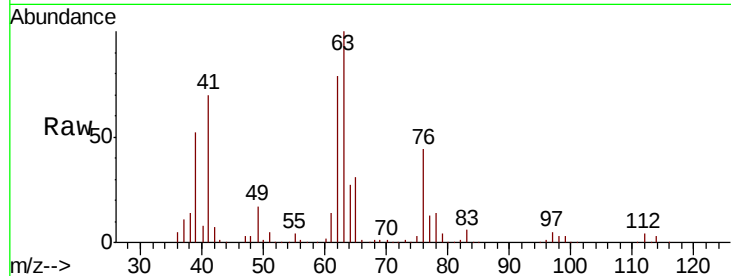
65 30.6 24.1 36.1

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

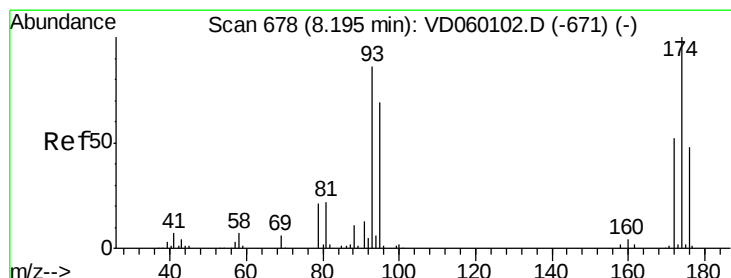
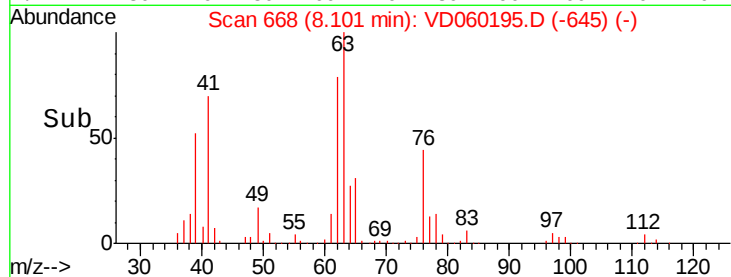
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 51.728 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

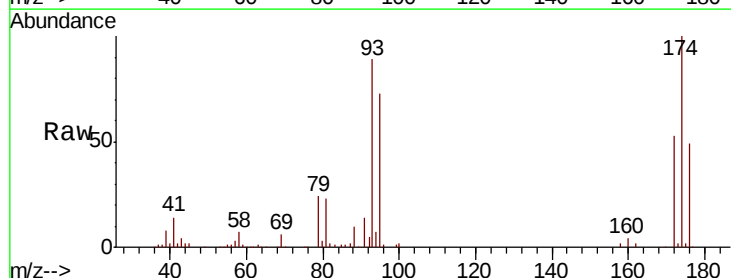
Tgt Ion: 93 Resp: 513202

Ion Ratio Lower Upper

93 100

95 81.7 63.8 95.6

174 112.4 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.22

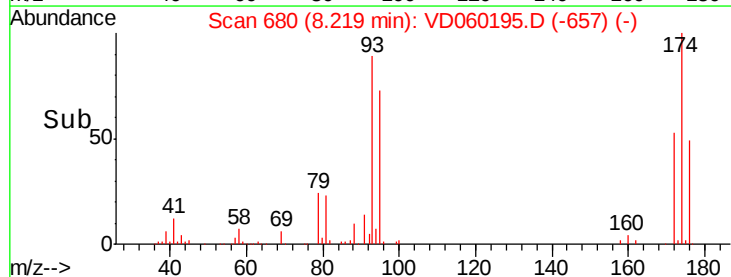
300000

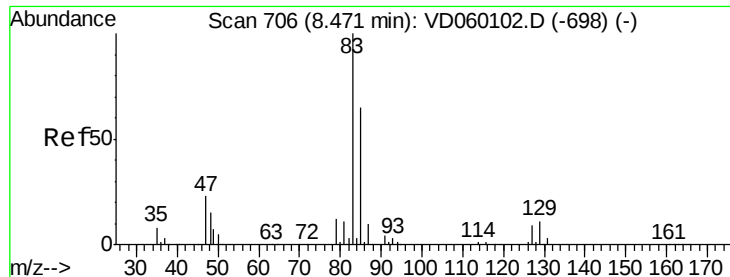
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 54.101 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1143646

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.2

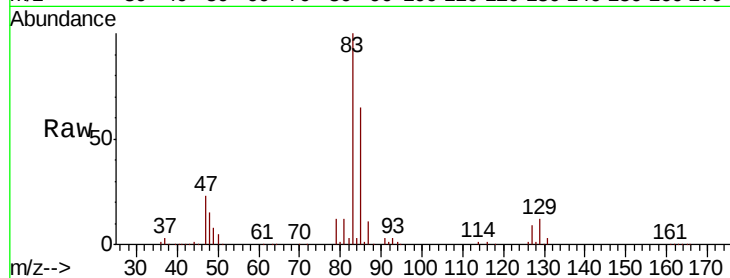
127 8.9 7.4 11.0

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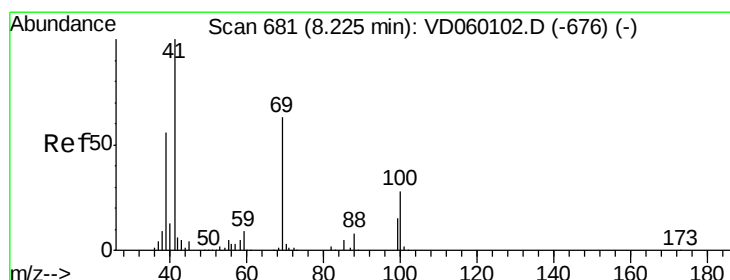
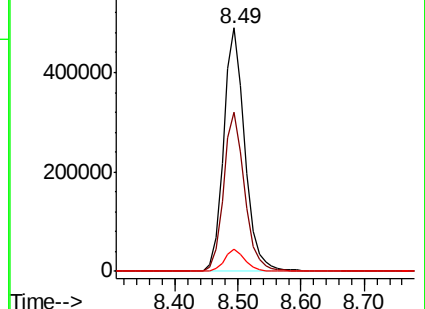
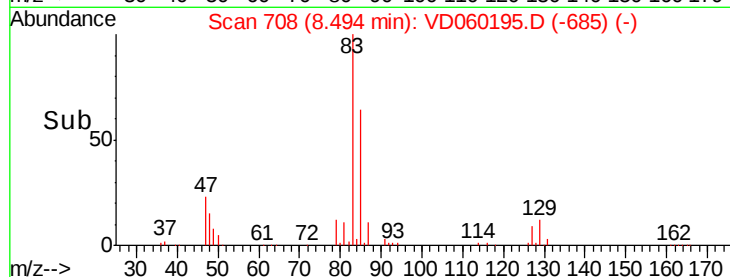
10/26/2018 10:55:43 AM



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.387 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

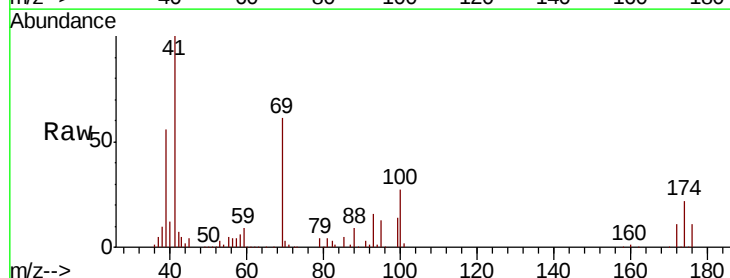
Tgt Ion: 41 Resp: 594059

Ion Ratio Lower Upper

41 100

69 61.0 49.7 74.5

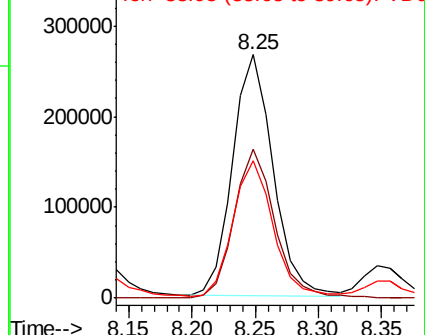
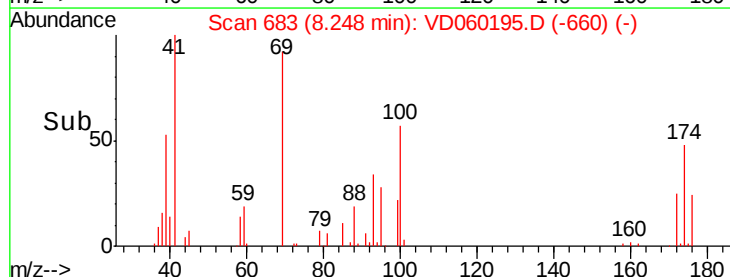
39 56.4 45.2 67.8

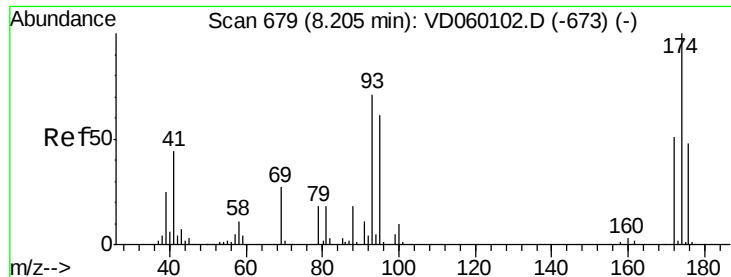


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





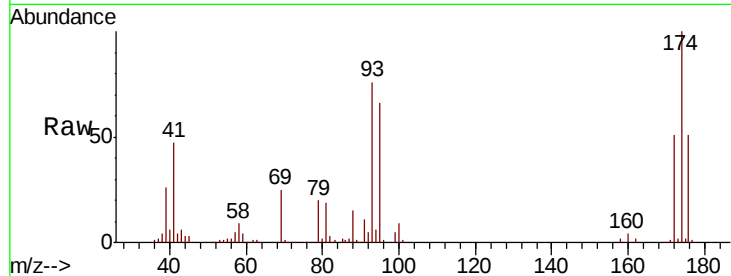
#49
1,4-Dioxane
Concen: 1020.620 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	111742		
43	42.9	33.7	50.5	
58	57.3	49.1	73.7	

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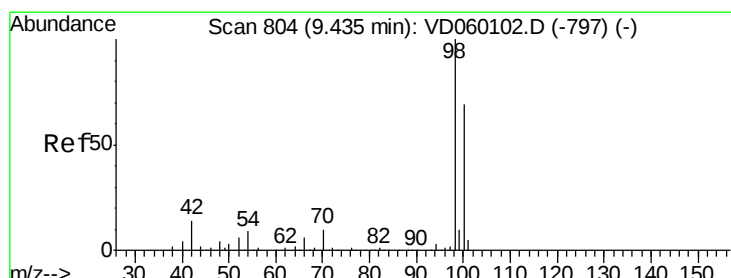
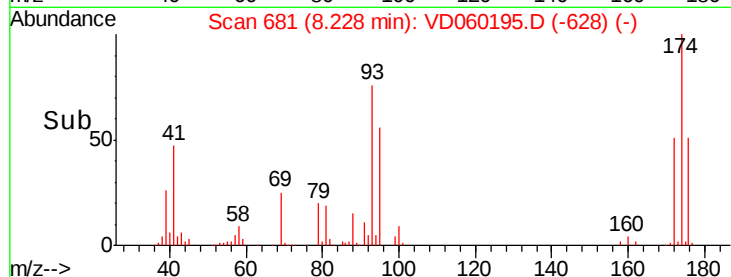
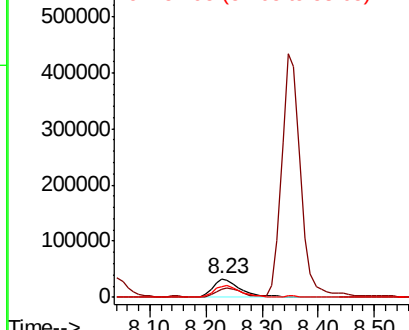


Abundance

Ion 88.00 (87.70 to 88.70): VDC

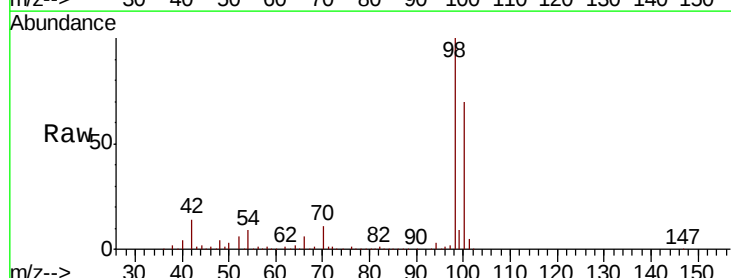
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 1020.620 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

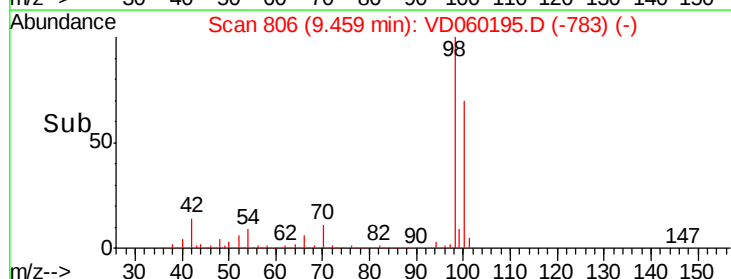
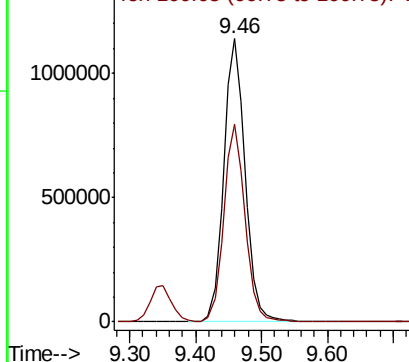
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2586910		
100	70.0	55.4	83.0	

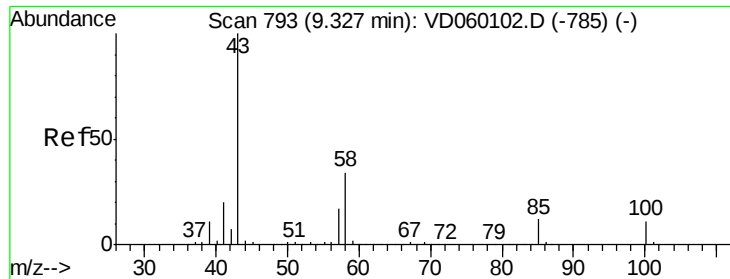


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 264.423 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3258024

Ion Ratio Lower Upper

43 100

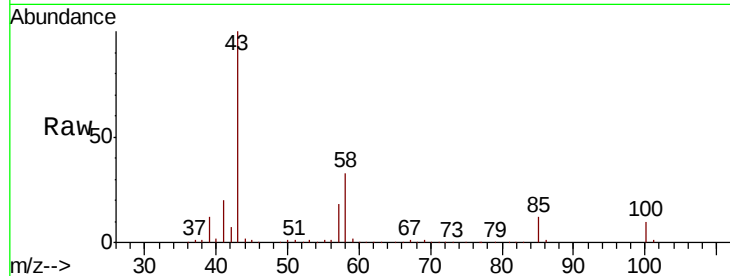
58 33.3 27.2 40.8

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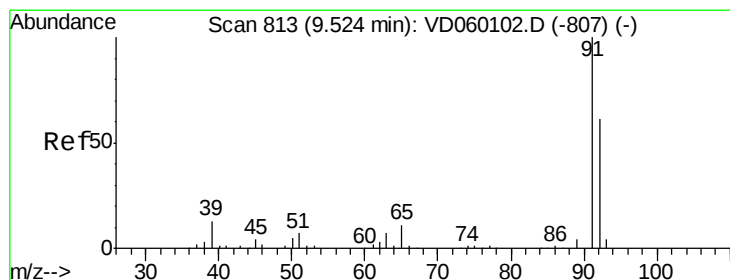
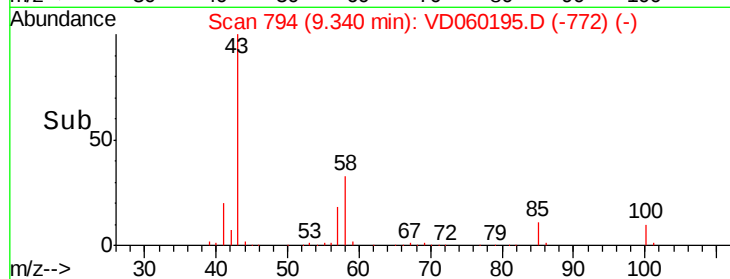
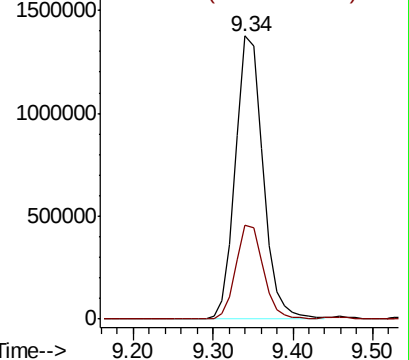
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.628 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060195.D

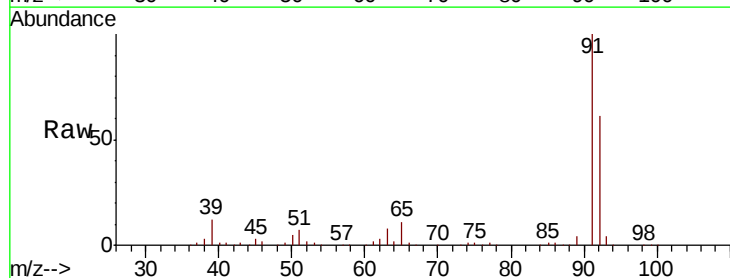
Acq: 25 Oct 2018 14:50

Tgt Ion: 92 Resp: 1870545

Ion Ratio Lower Upper

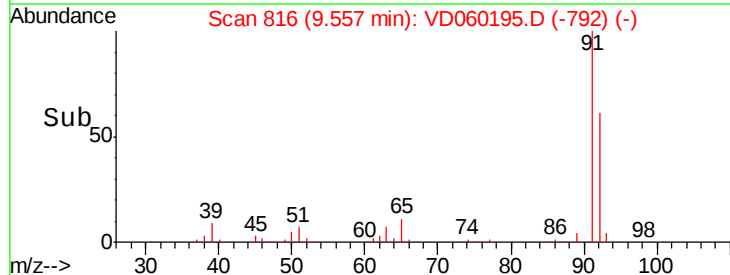
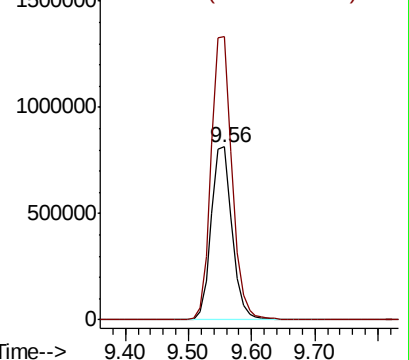
92 100

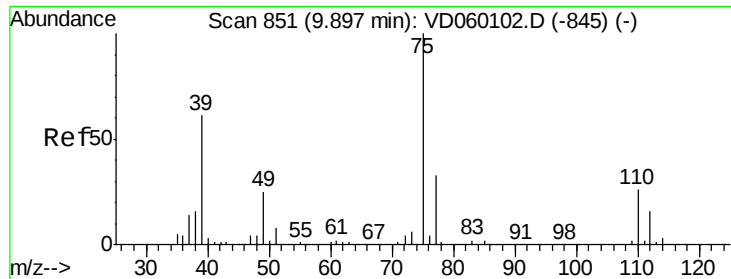
91 163.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.597 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tot Ion: 75 Resp: 1044291

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

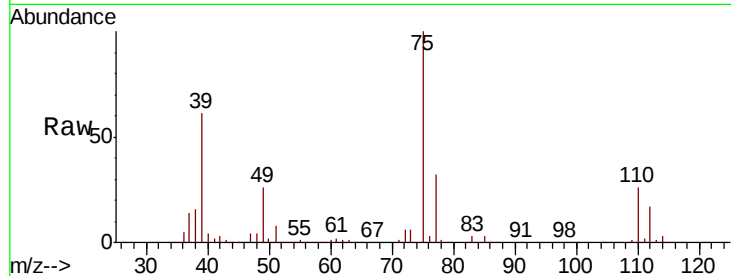
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

600000

500000

400000

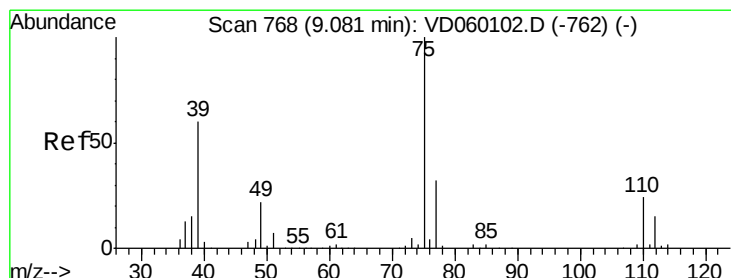
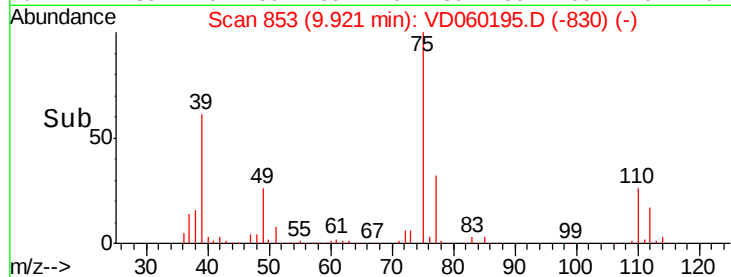
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.489 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

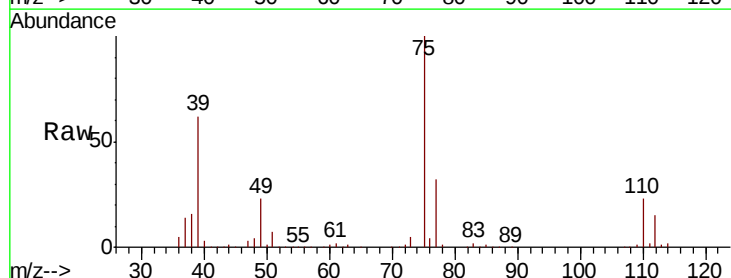
Tgt Ion: 75 Resp: 1239790

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 61.6 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

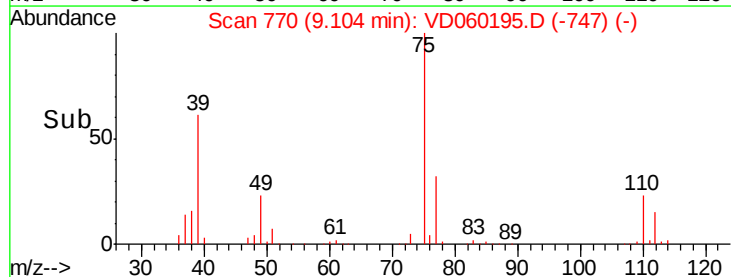
600000

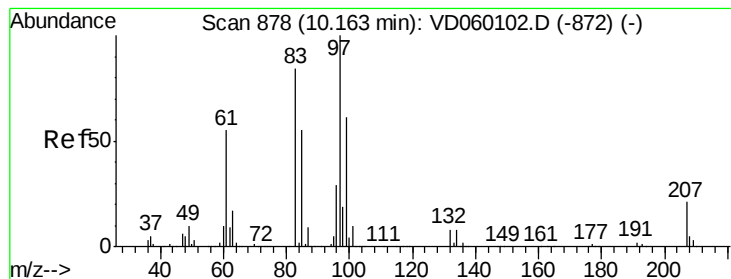
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.731 ug/l

RT: 10.19 min Scan# 880

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 637429

Ion Ratio Lower Upper

97 100

83 84.5 67.0 100.6

85 55.9 43.9 65.9

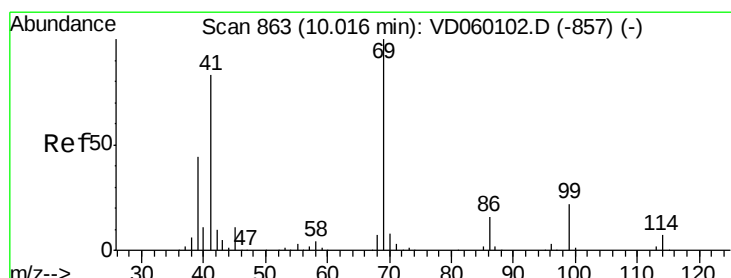
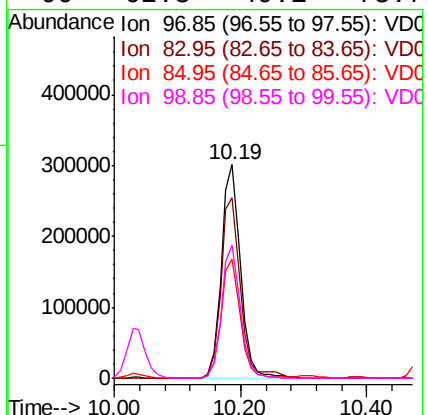
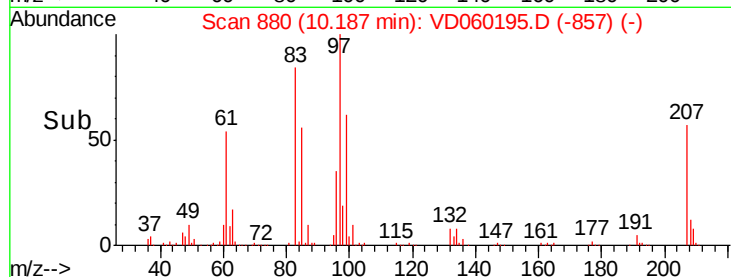
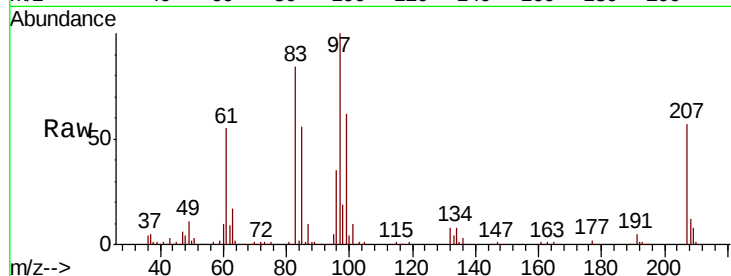
99 62.3 49.1 73.7

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#56

Ethyl methacrylate

Concen: 53.195 ug/l

RT: 10.03 min Scan# 864

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

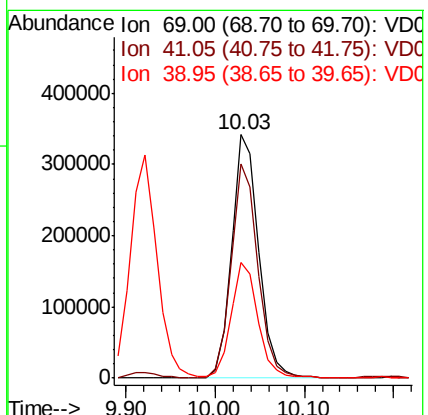
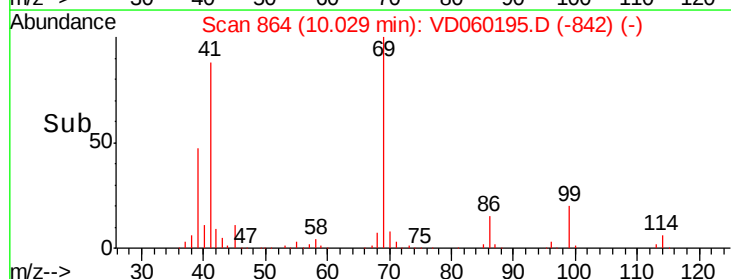
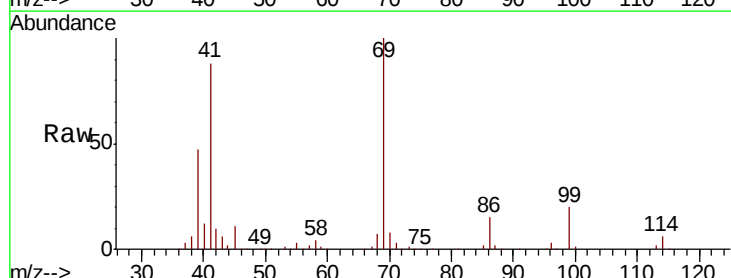
Tgt Ion: 69 Resp: 723546

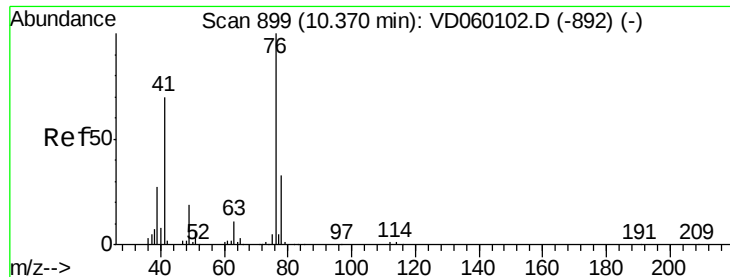
Ion Ratio Lower Upper

69 100

41 87.8 66.6 100.0

39 47.4 36.0 54.0





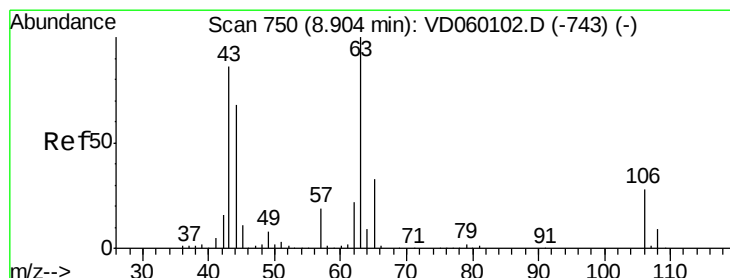
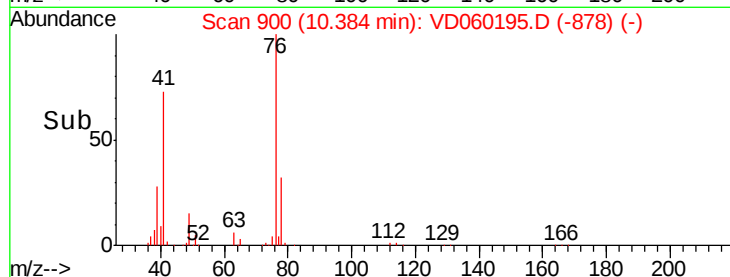
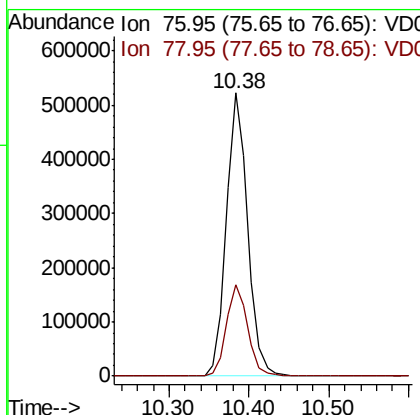
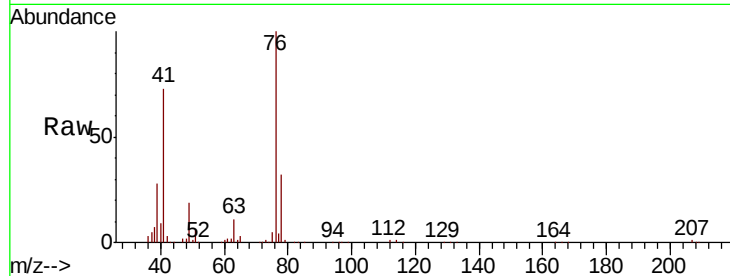
#57
 1,3-Dichloropropane
 Concen: 52.560 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 987734
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

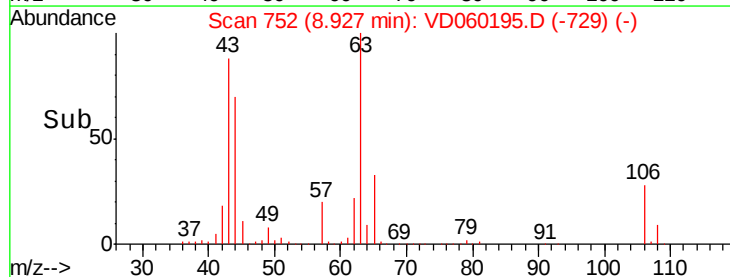
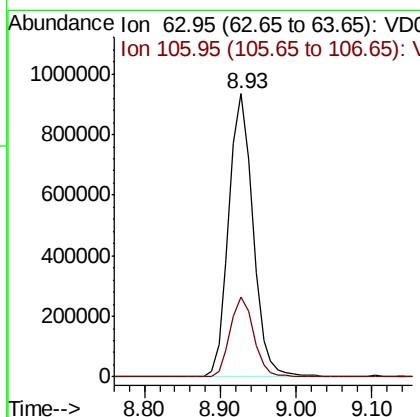
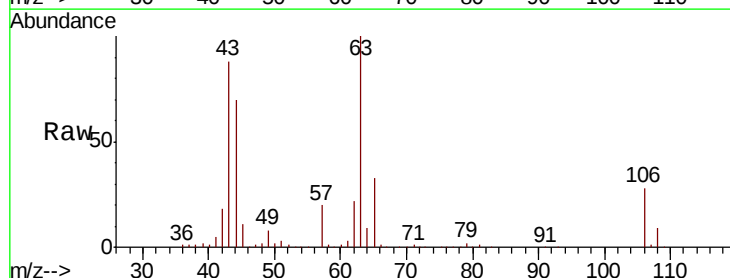
Manual Integrations
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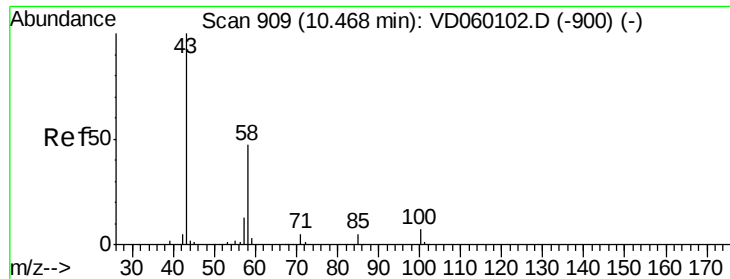
apatel
 10/26/2018 10:55:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.246 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion: 63 Resp: 2071408
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 34.0





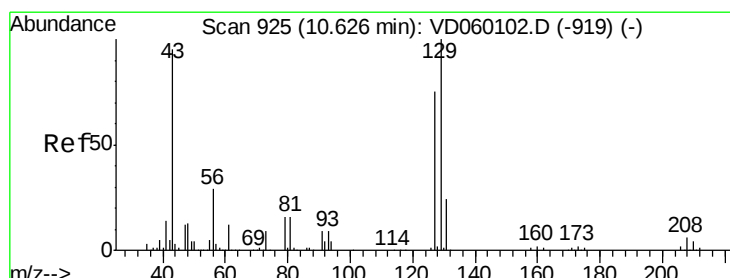
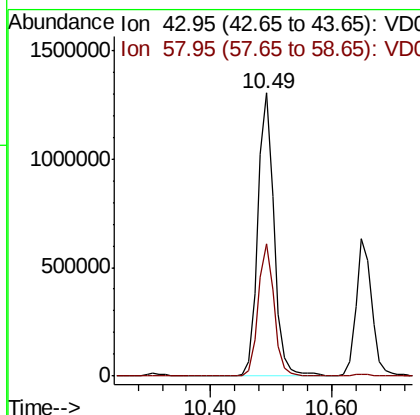
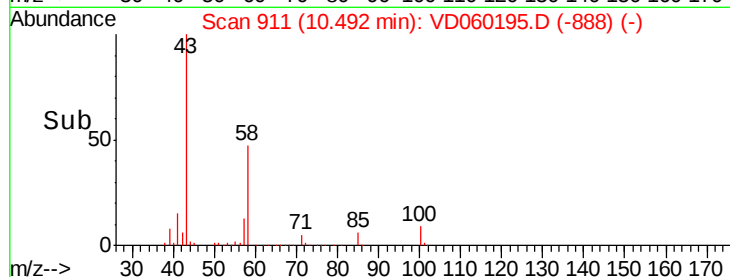
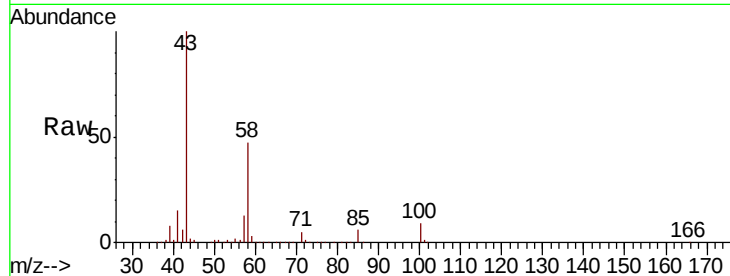
#59
2-Hexanone
Concen: 272.536 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2414655
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.9

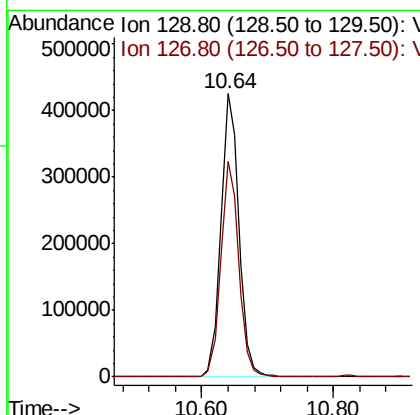
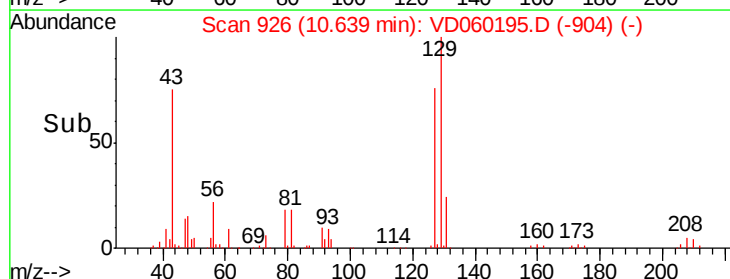
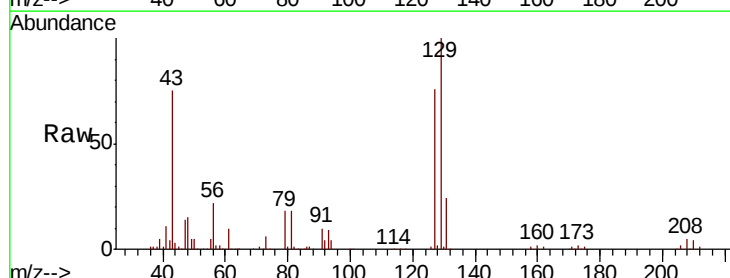
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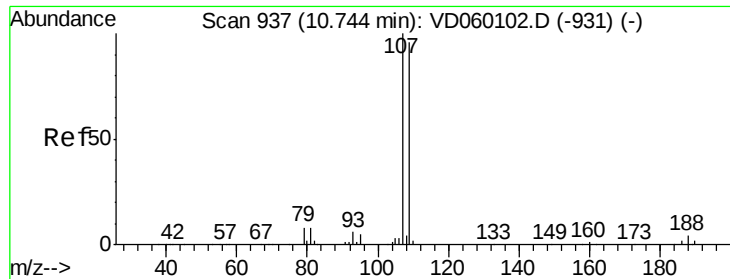
apatel
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#60
Dibromochloromethane
Concen: 53.914 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 129 Resp: 815079
Ion Ratio Lower Upper
129 100
127 76.2 37.4 112.2





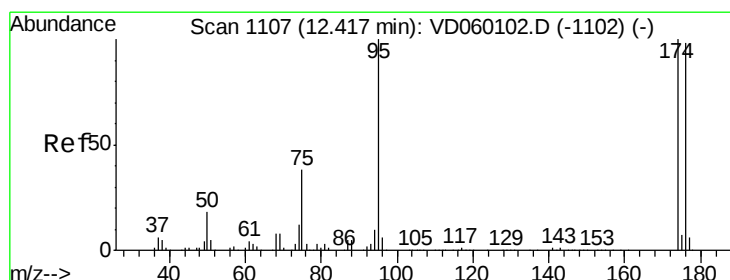
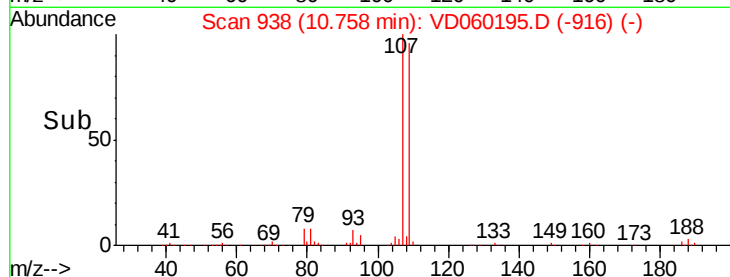
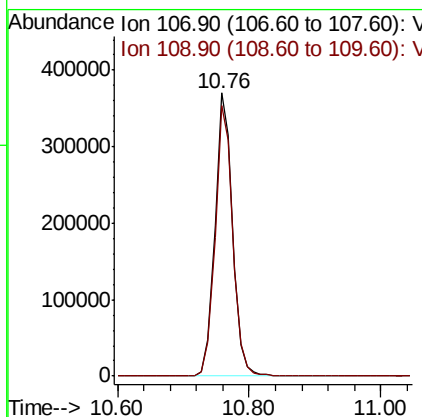
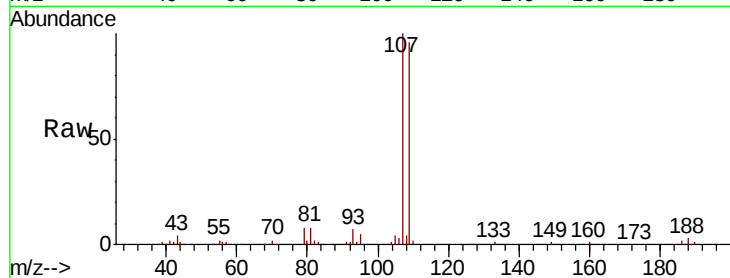
#61
 1,2-Dibromoethane
 Concen: 51.752 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	77.1	115.7

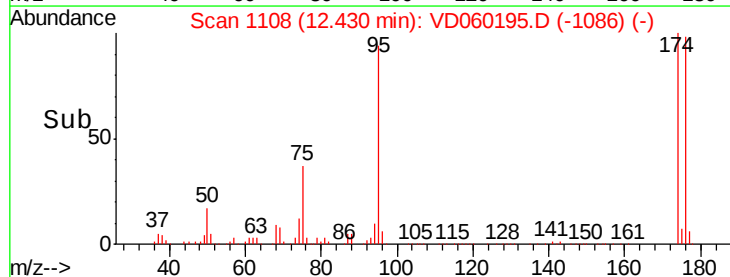
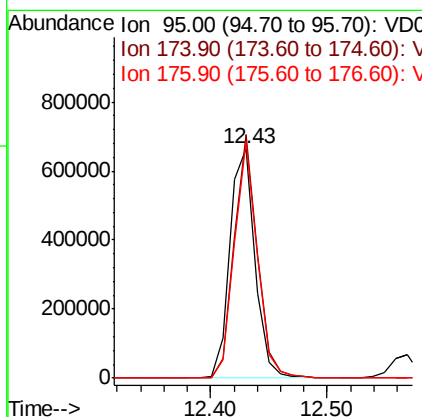
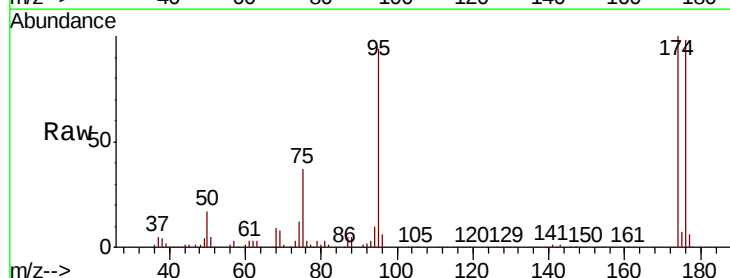
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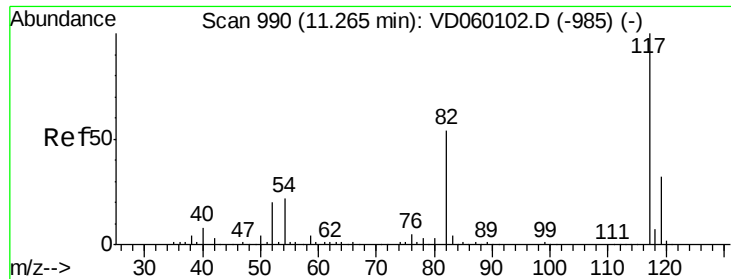
apatel
 10/26/2018 10:55:43 AM



#62
 4-Bromofluorobenzene
 Concen: 51.752 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	106.2	0.0	200.2
176	103.7	0.0	195.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1913937

Ion Ratio Lower Upper

117 100

82 50.6 43.4 65.2

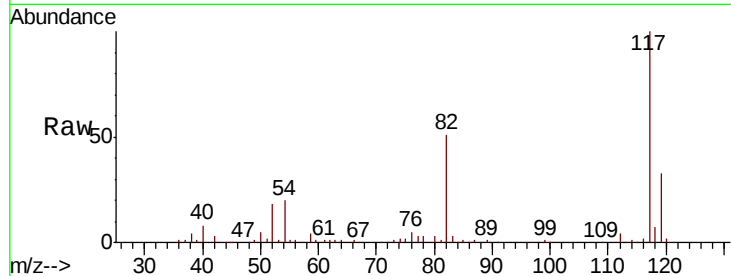
119 32.7 26.0 39.0

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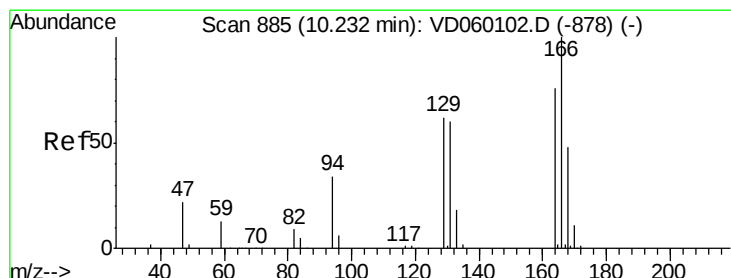
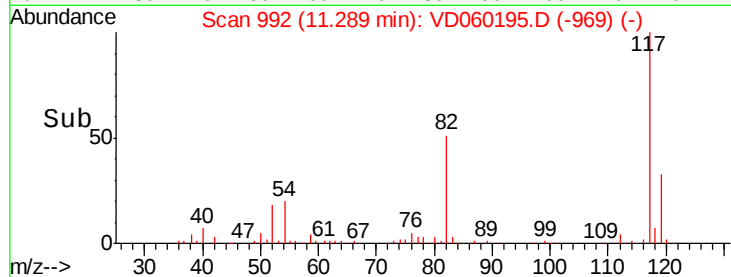
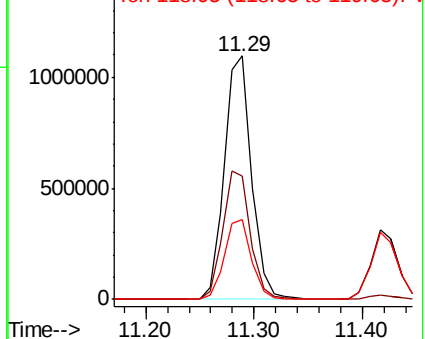


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 47.431 ug/l

RT: 10.26 min Scan# 887

Delta R.T. 0.02 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion:164 Resp: 795106

Ion Ratio Lower Upper

164 100

166 131.4 105.4 158.0

129 78.4 65.7 98.5

131 76.6 62.9 94.3

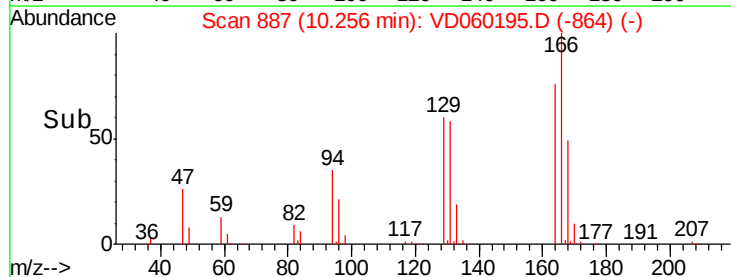
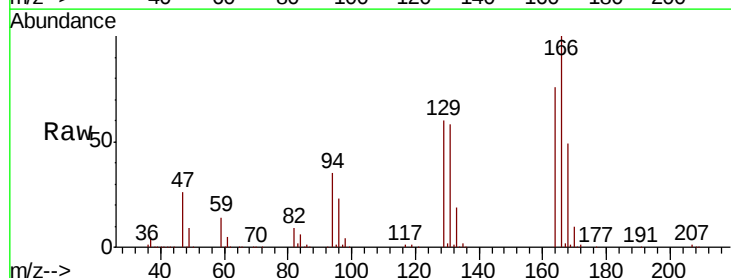
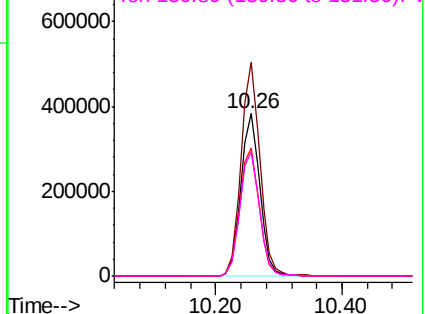
Abundance

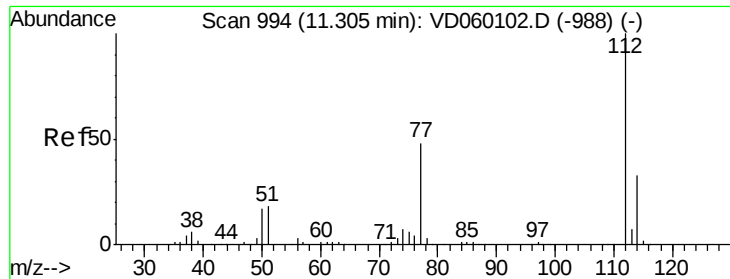
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.643 ug/l

RT: 11.32 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2096903

Ion Ratio Lower Upper

112 100

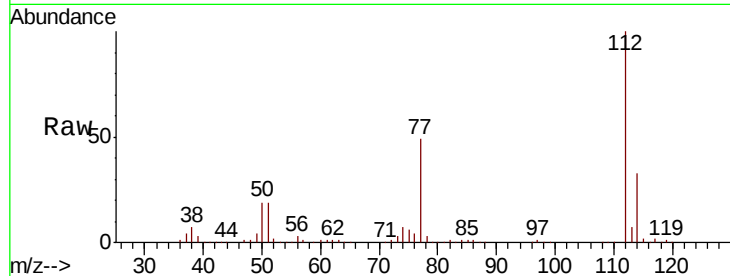
114 32.7 26.0 39.0

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

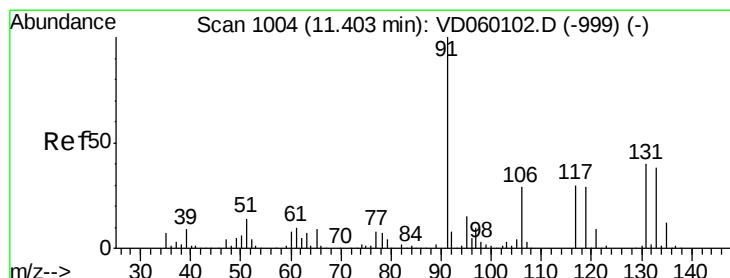
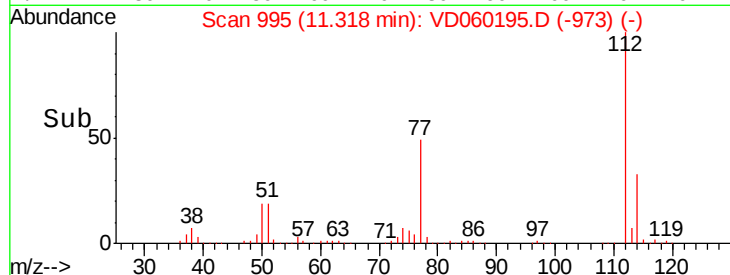
11.32

1000000

500000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.806 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

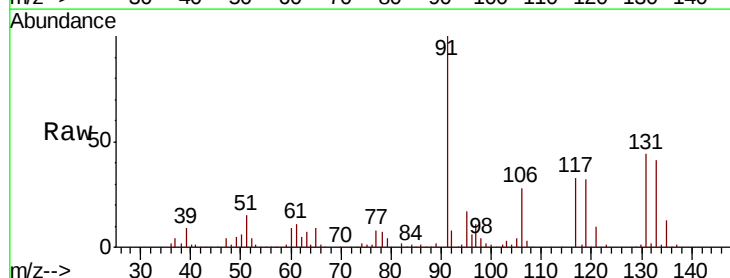
Tgt Ion:131 Resp: 715589

Ion Ratio Lower Upper

131 100

133 94.2 47.4 142.3

119 72.3 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

11.42

500000

400000

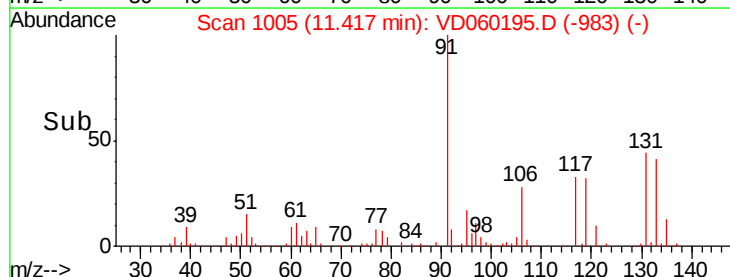
300000

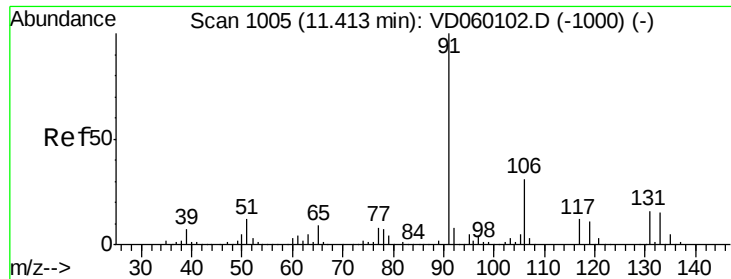
200000

100000

0

Time-->





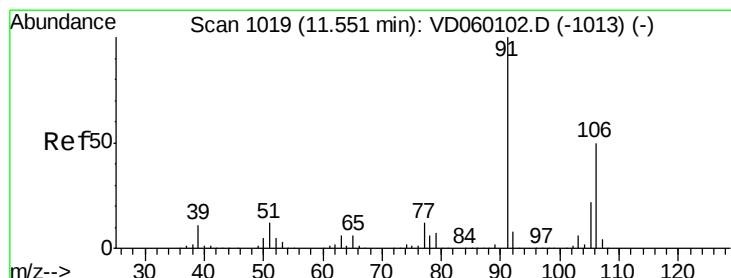
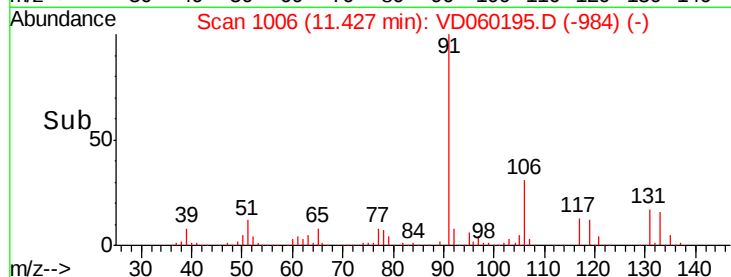
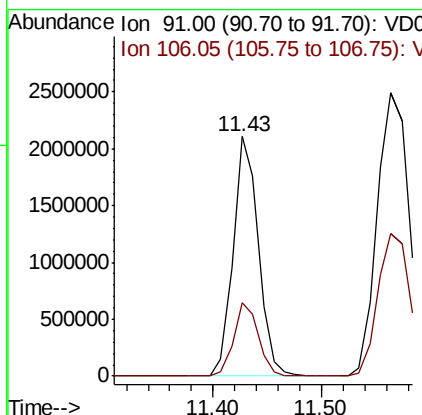
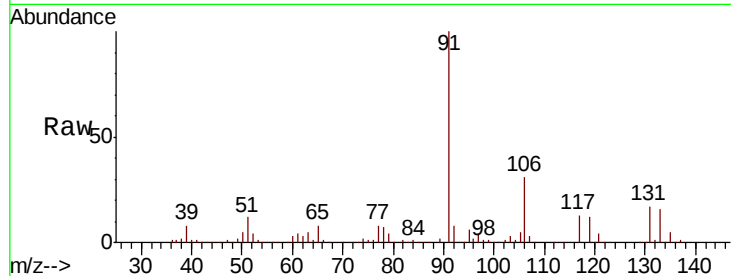
#67
Ethyl Benzene
Concen: 51.008 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3421852
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

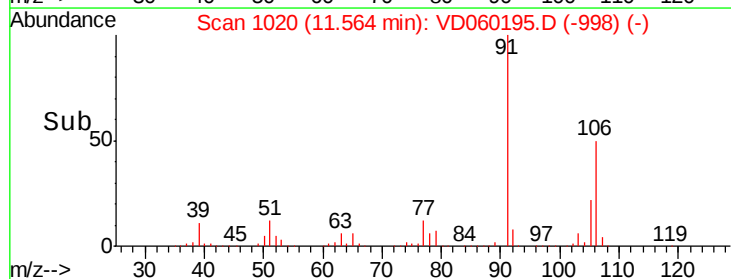
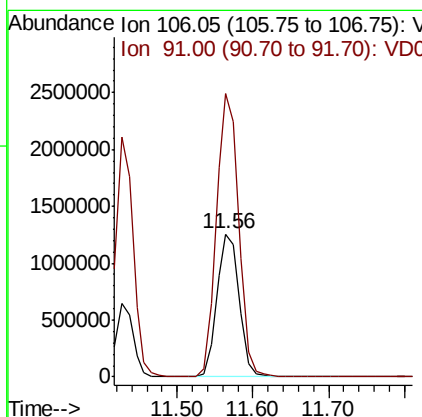
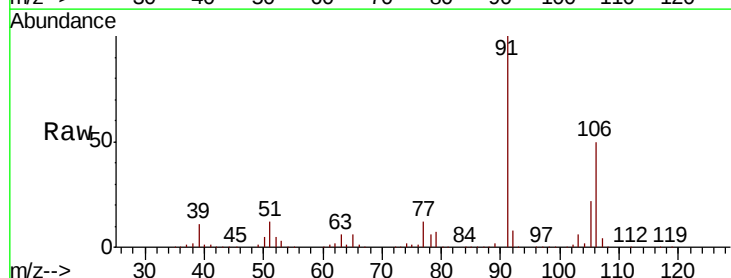
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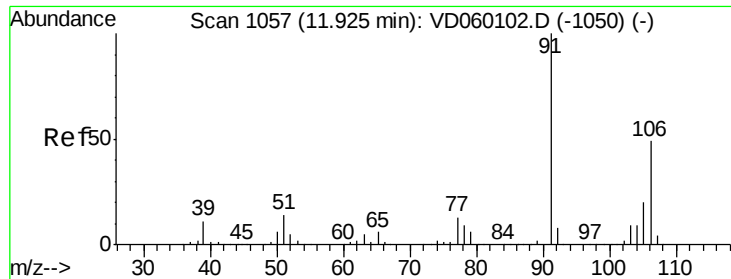
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#68
m/p-Xylenes
Concen: 102.398 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 106 Resp: 2566624
Ion Ratio Lower Upper
106 100
91 198.4 160.0 240.0





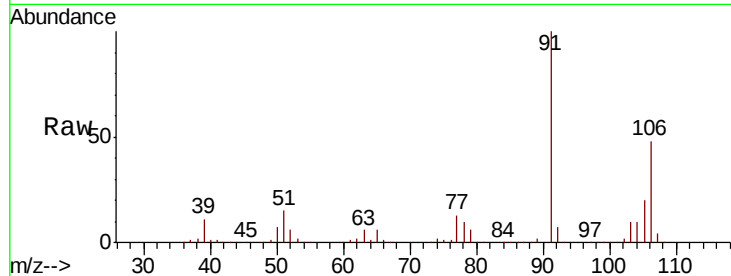
#69
o-Xylene
Concen: 50.650 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

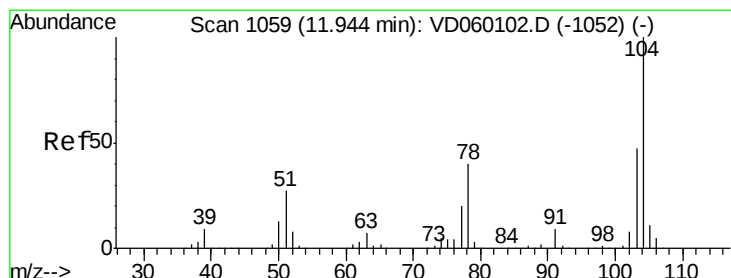
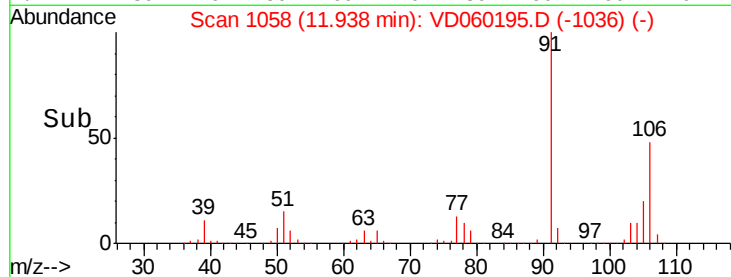
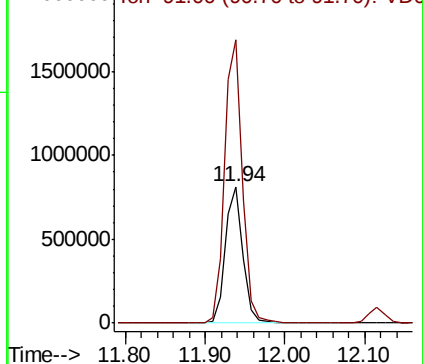
Tot Ion:106 Resp: 1255763
Ion Ratio Lower Upper
106 100
91 207.3 102.5 307.5

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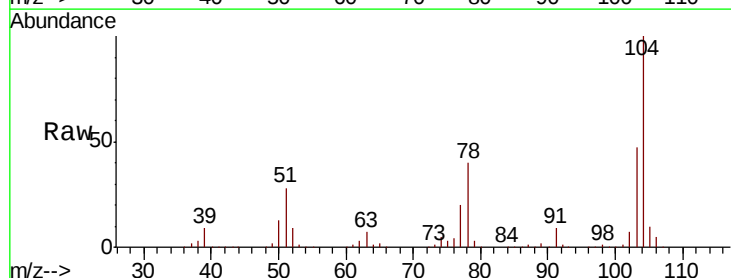


Abundance Ion 106.05 (105.75 to 106.75): V
2000000 Ion 91.00 (90.70 to 91.70): V

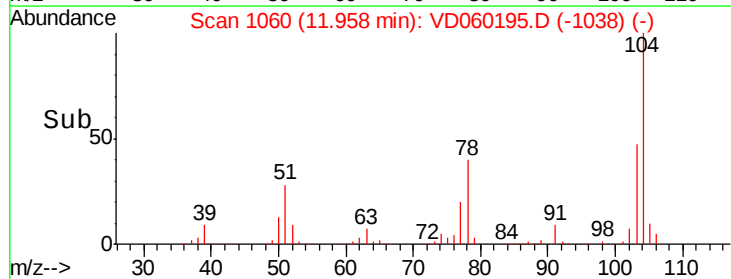
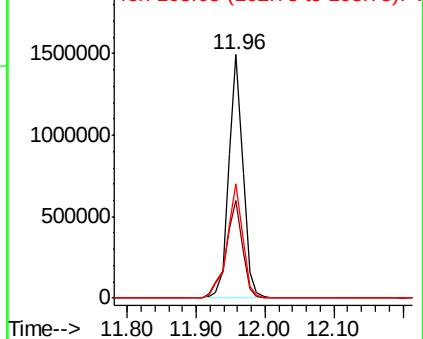


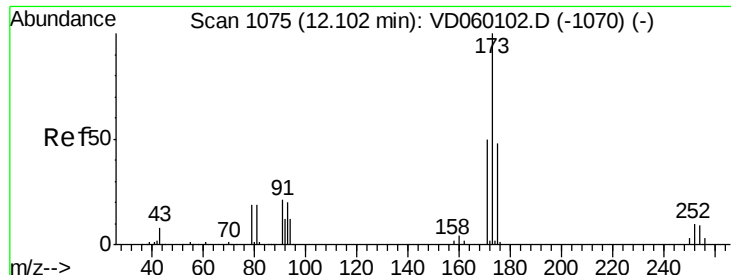
#70
Styrene
Concen: 51.215 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion:104 Resp: 2123430
Ion Ratio Lower Upper
104 100
78 40.1 32.2 48.4
103 46.9 37.4 56.0



Abundance Ion 104.05 (103.75 to 104.75): V
2000000 Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 54.051 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

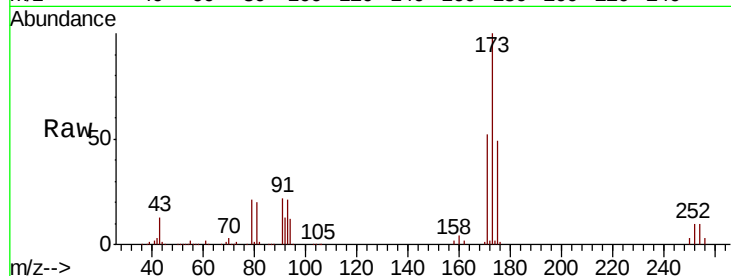
ClientSampleId :

VSTDCCC050

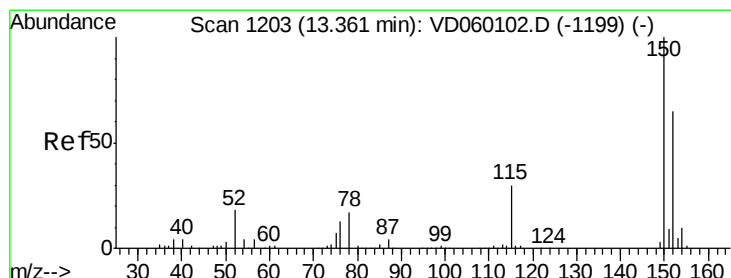
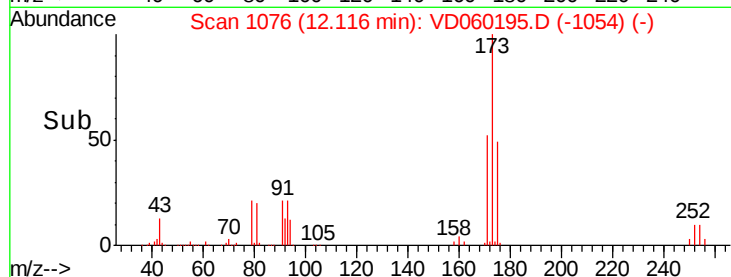
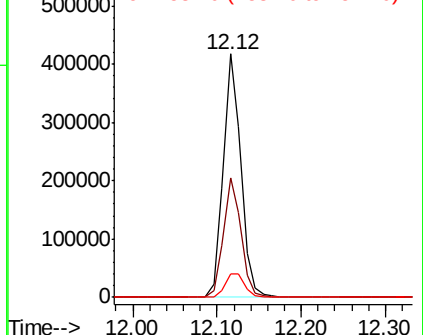
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.4
254	9.5	7.4	11.0

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

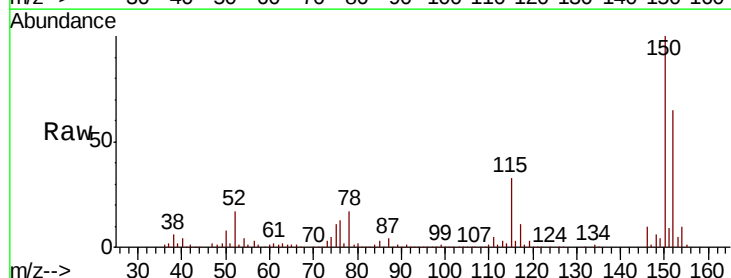
RT: 13.38 min Scan# 1204

Delta R.T. 0.01 min

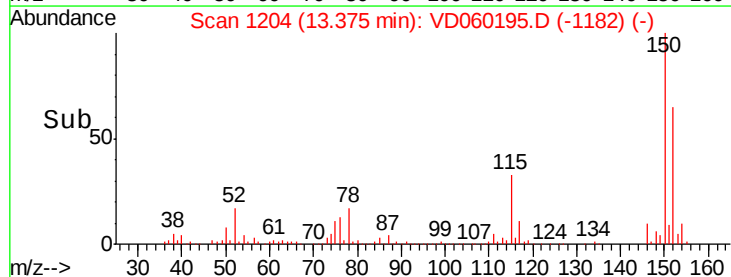
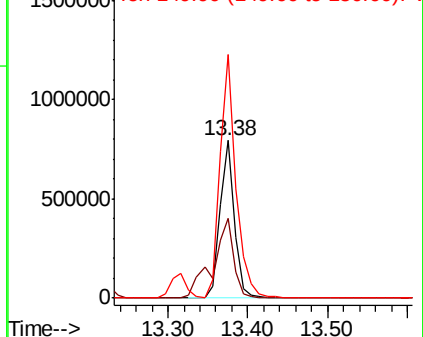
Lab File: VD060195.D

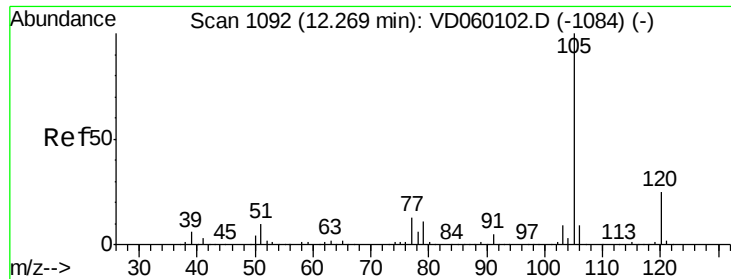
Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.8	27.1	81.2
150	154.7	0.0	311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.294 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3507894

Ion Ratio Lower Upper

105 100

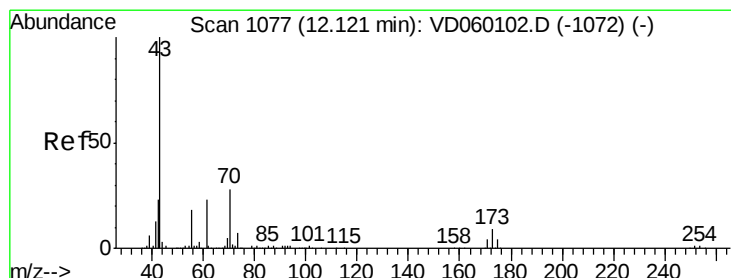
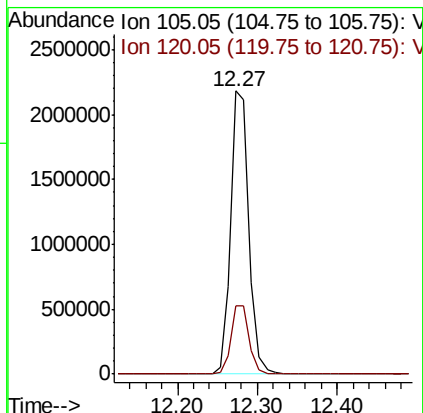
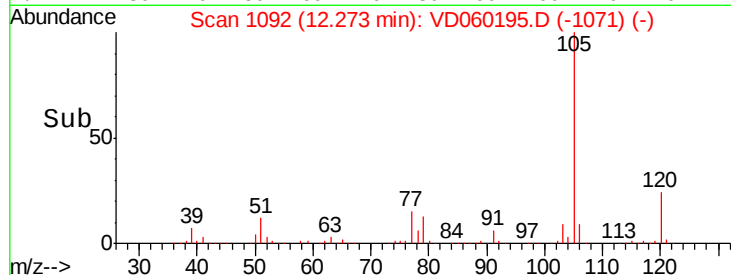
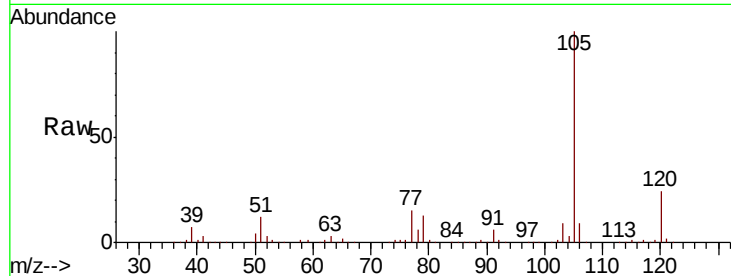
120 24.1 12.6 37.6

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#74

N-ethyl acetate

Concen: 51.551 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion: 43 Resp: 1266659

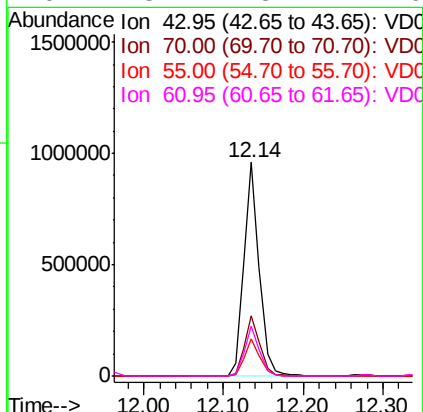
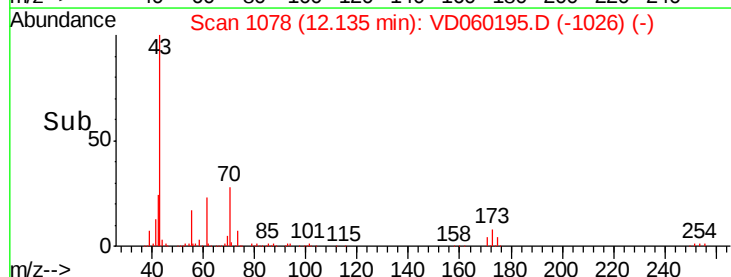
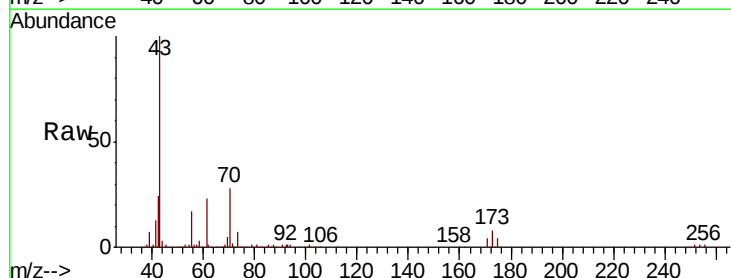
Ion Ratio Lower Upper

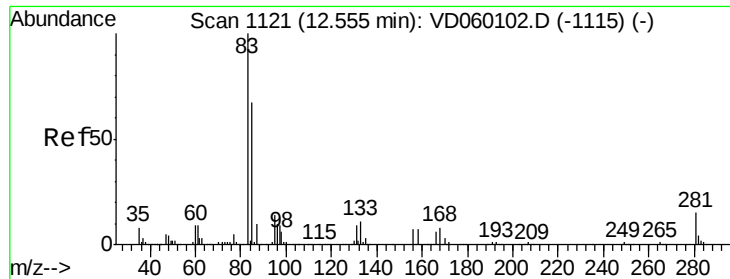
43 100

70 28.0 22.1 33.1

55 17.4 14.1 21.1

61 23.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.258 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

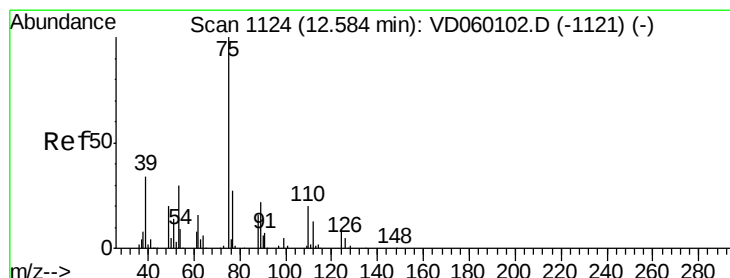
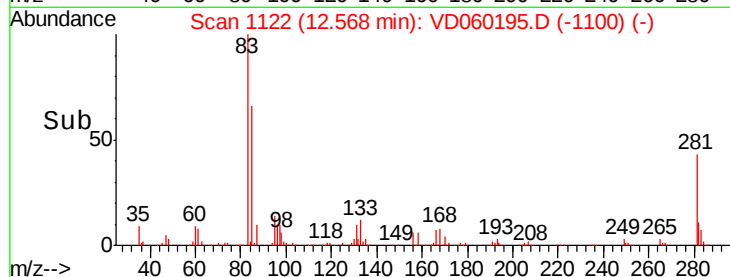
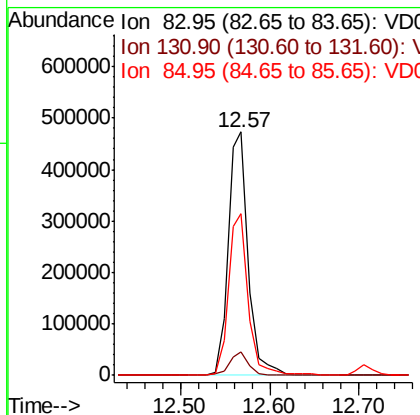
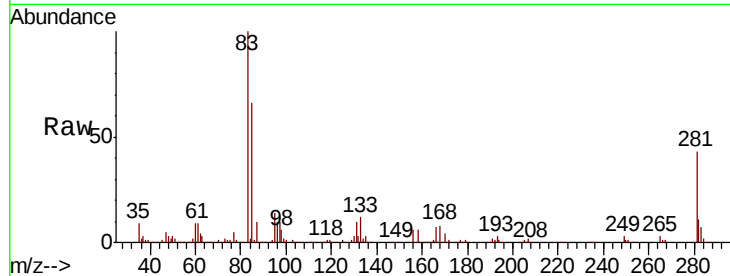
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	750651
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.5	13.4
85	66.2	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 51.384 ug/l

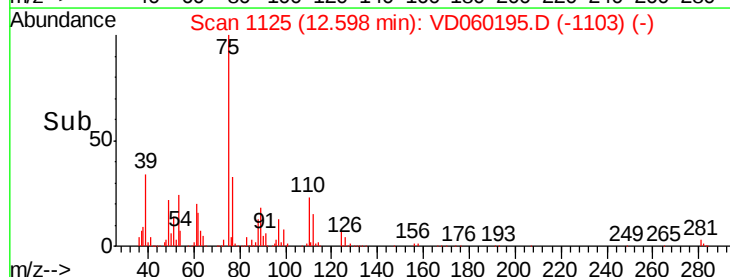
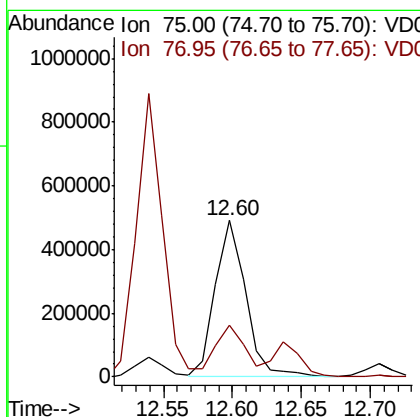
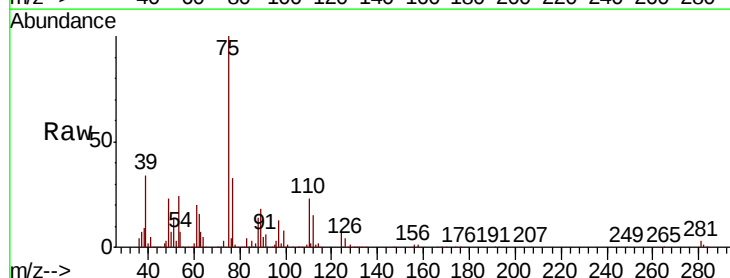
RT: 12.60 min Scan# 1125

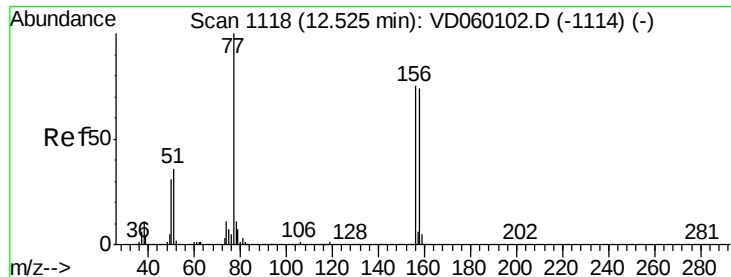
Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion:	75	Resp:	752431
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.3	48.9





#77

Bromobenzene

Concen: 50.266 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

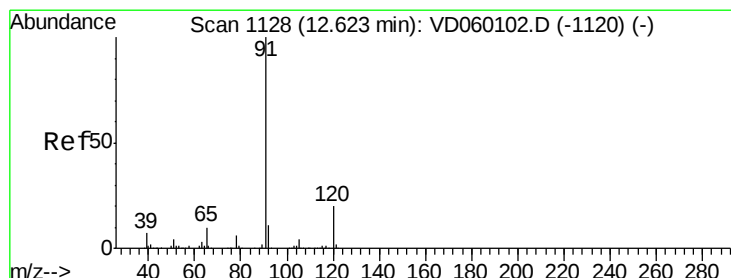
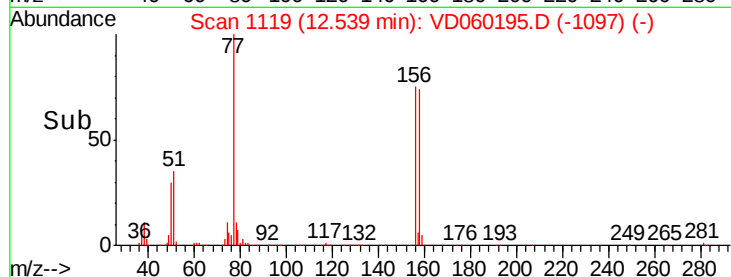
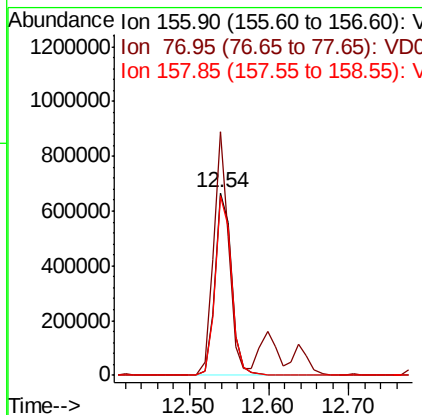
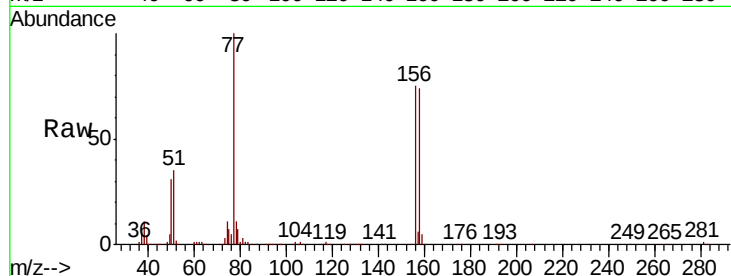
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	133.4	66.9	200.7	
158	98.1	49.1	147.4	

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#78

n-propylbenzene

Concen: 51.049 ug/l

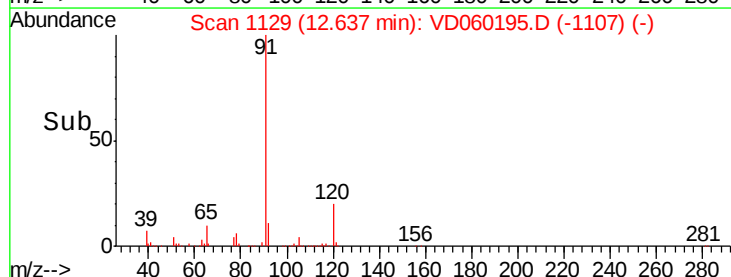
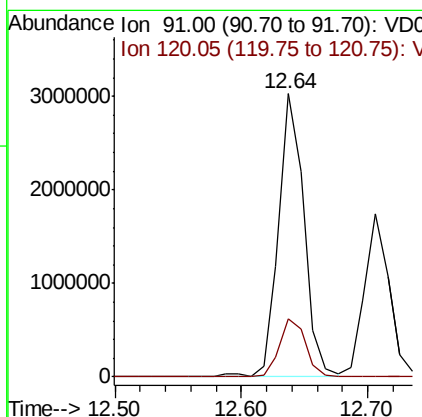
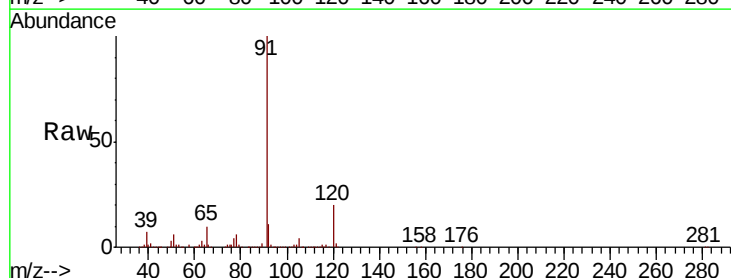
RT: 12.64 min Scan# 1129

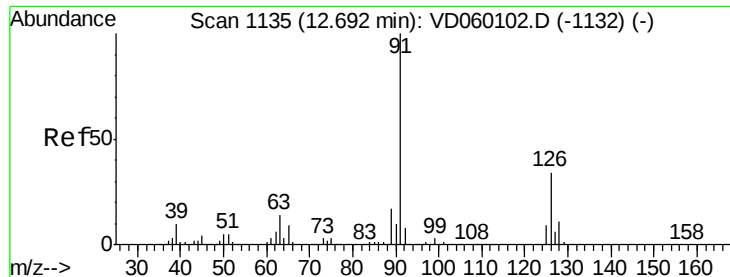
Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.4	10.0	30.0	





#79

2-Chlorotoluene

Concen: 50.929 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2354409

Ion Ratio Lower Upper

91 100

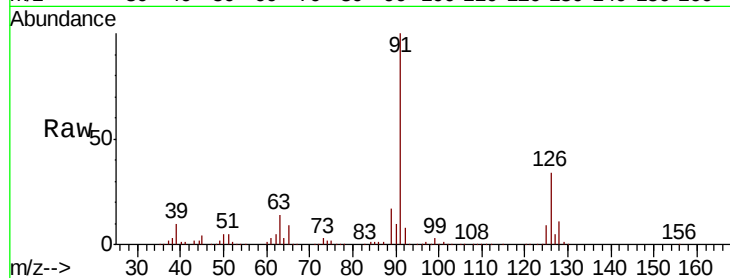
126 34.3 16.8 50.3

Manual Integrations

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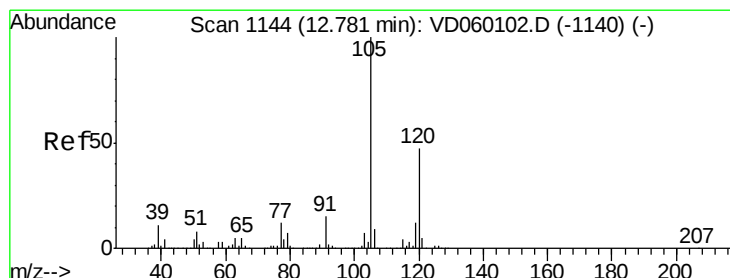
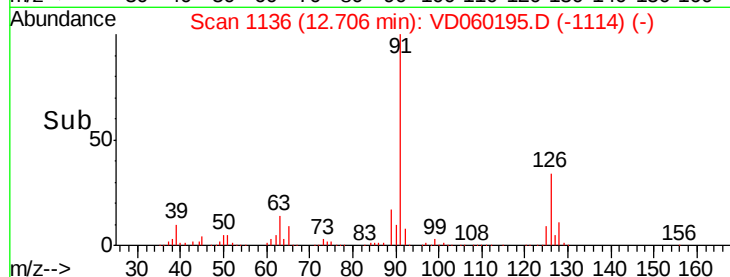
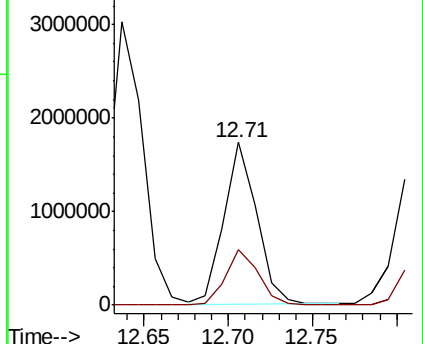
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.600 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060195.D

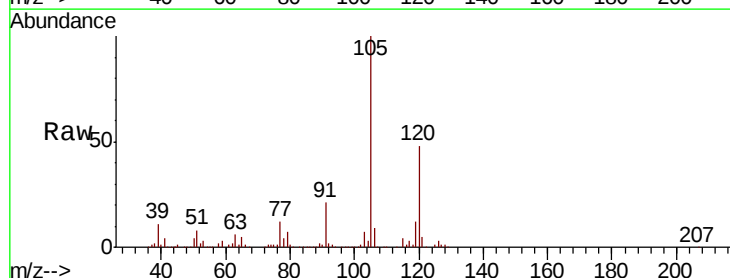
Acq: 25 Oct 2018 14:50

Tgt Ion:105 Resp: 2627008

Ion Ratio Lower Upper

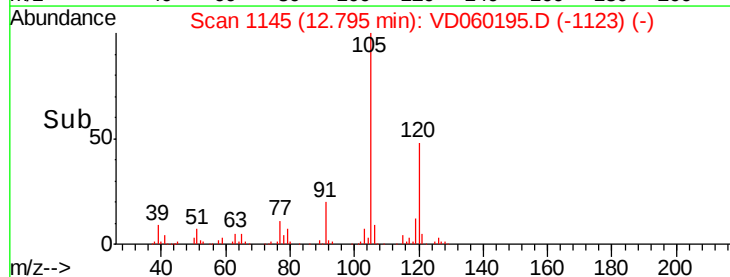
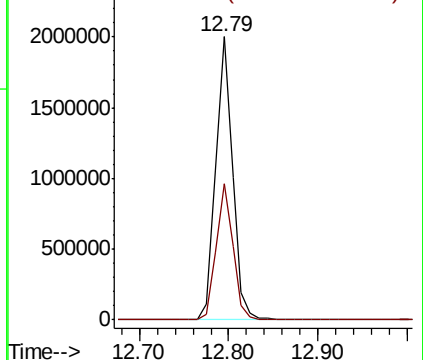
105 100

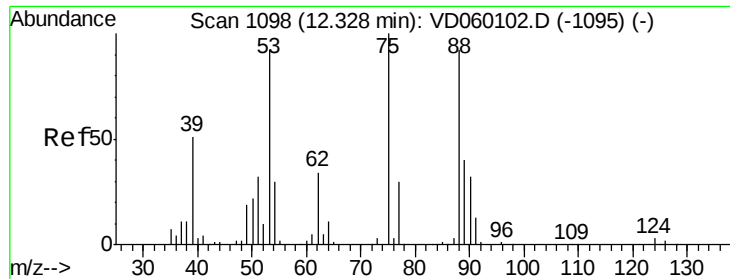
120 48.1 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.873 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 225779

Ion Ratio Lower Upper

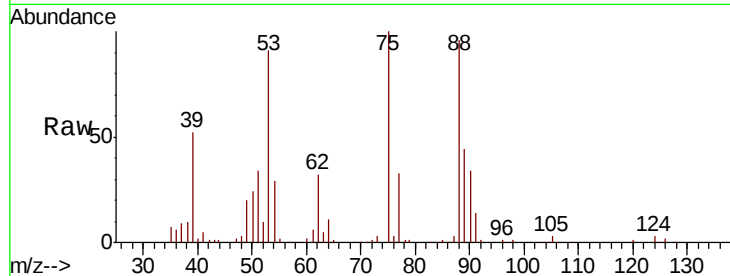
75 100

53 91.0 73.0 109.6

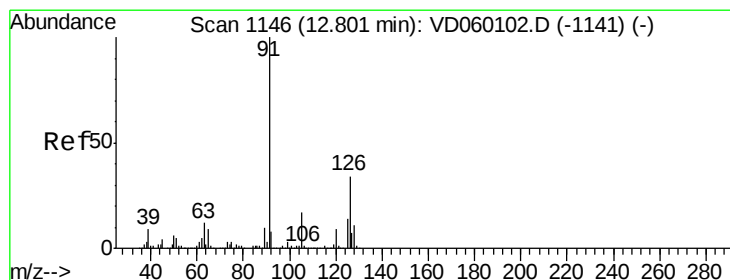
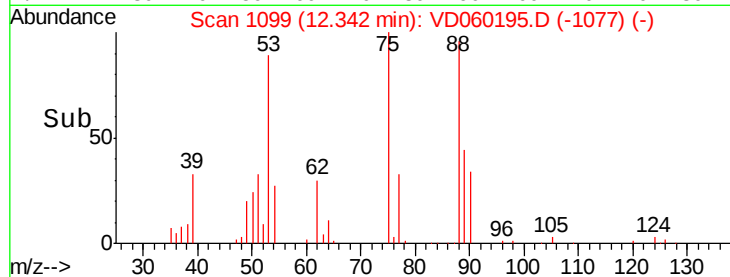
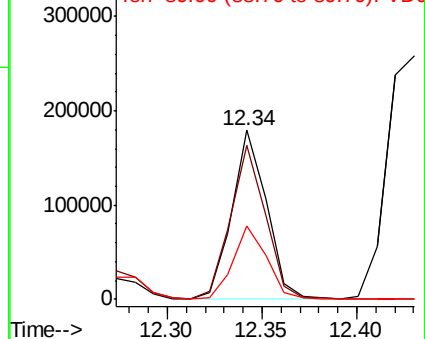
89 43.7 32.0 48.0

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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.824 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060195.D

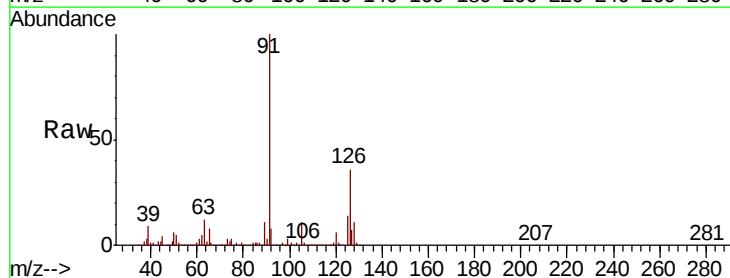
Acq: 25 Oct 2018 14:50

Tgt Ion: 91 Resp: 2605215

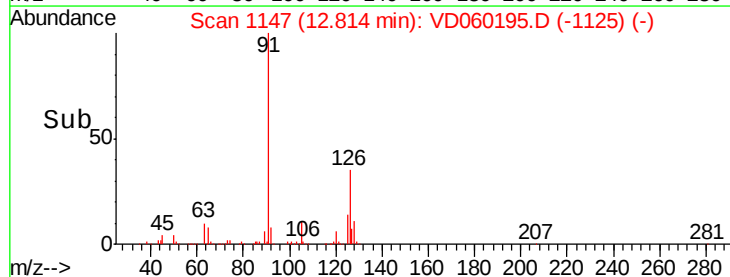
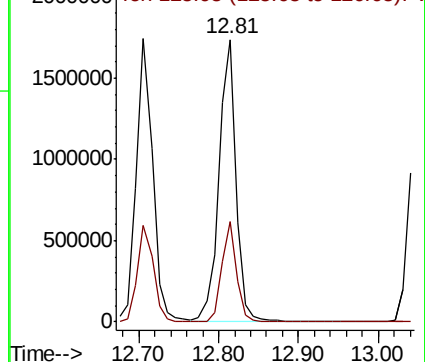
Ion Ratio Lower Upper

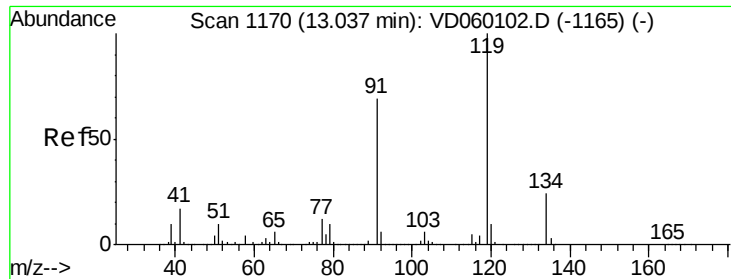
91 100

126 35.6 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 51.977 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3096662

Ion Ratio Lower Upper

119 100

91 65.8 34.8 104.4

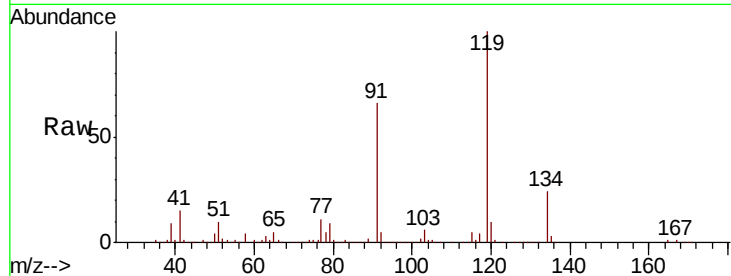
134 23.6 11.8 35.4

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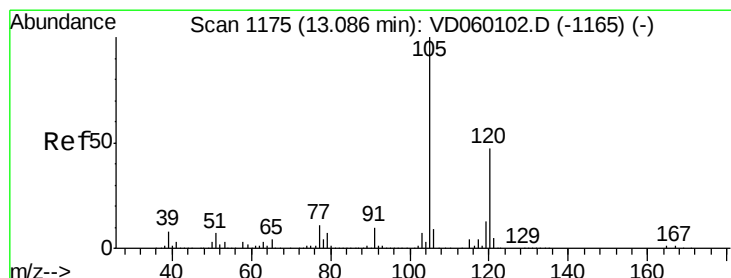
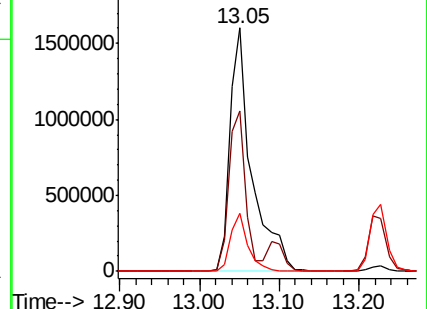
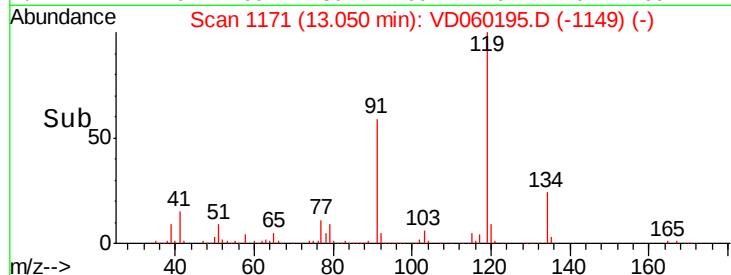
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.583 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VD060195.D

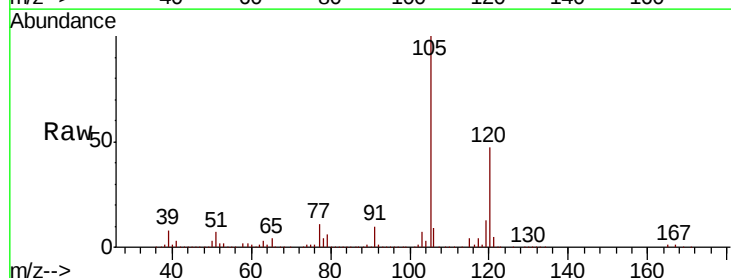
Acq: 25 Oct 2018 14:50

Tgt Ion:105 Resp: 2822489

Ion Ratio Lower Upper

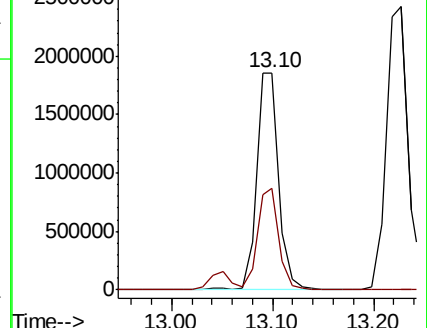
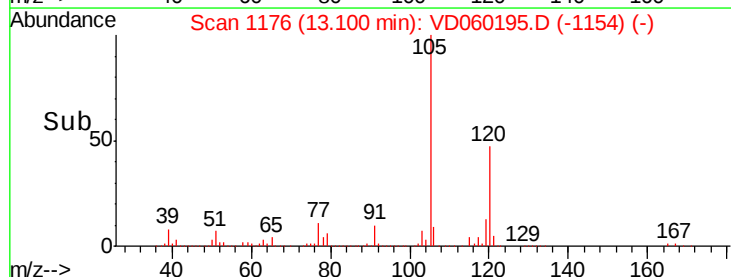
105 100

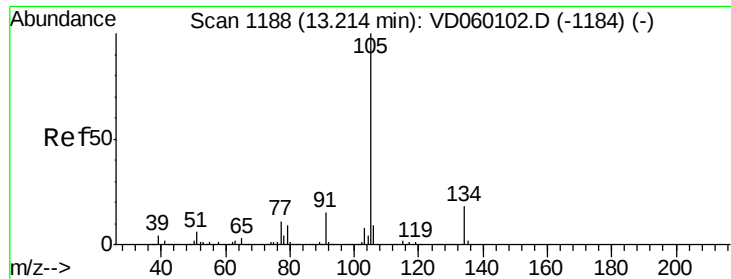
120 46.7 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.106 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 3670499

Ion Ratio Lower Upper

105 100

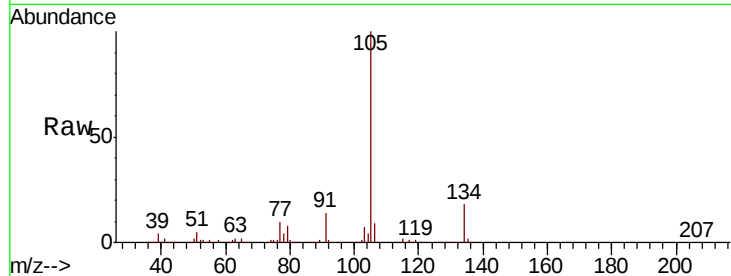
134 18.3 8.8 26.2

Manual Integrations

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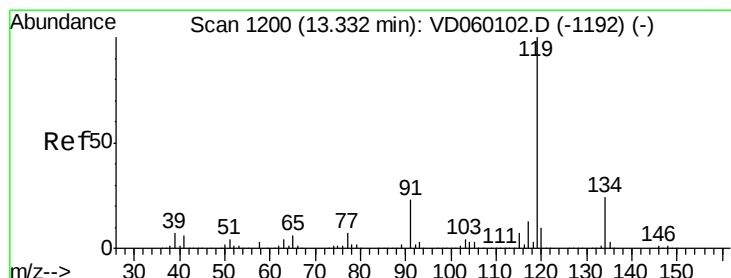
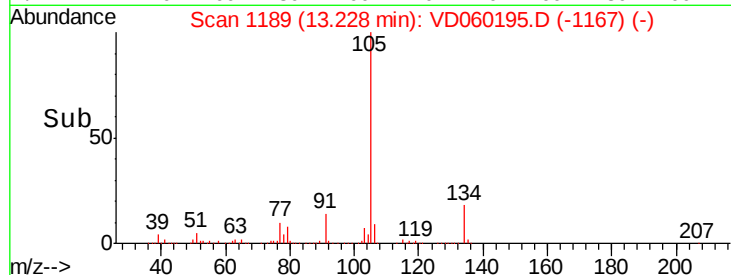
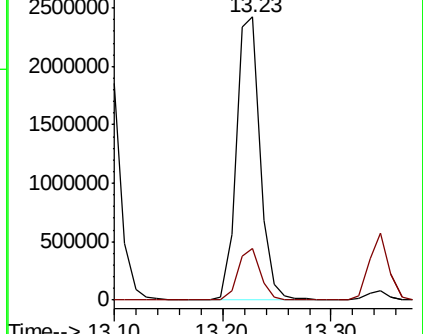
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.933 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

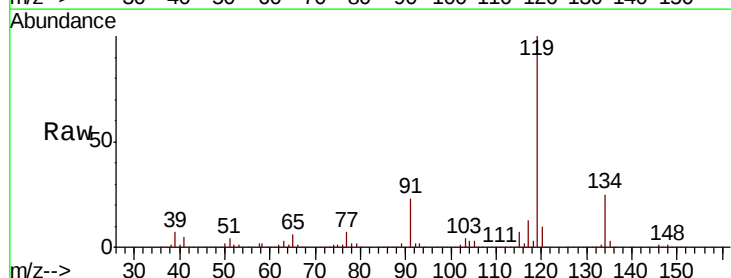
Tgt Ion:119 Resp: 3000580

Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

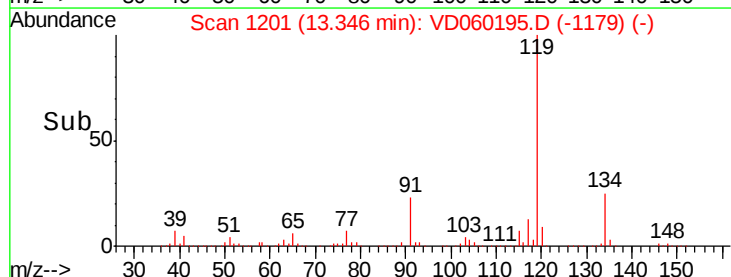
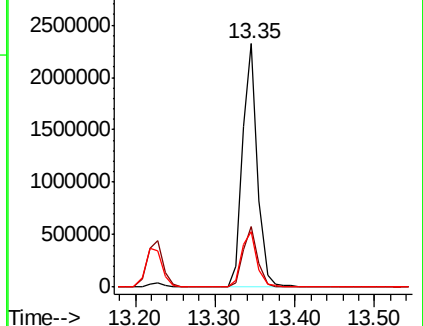
91 22.9 11.8 35.4

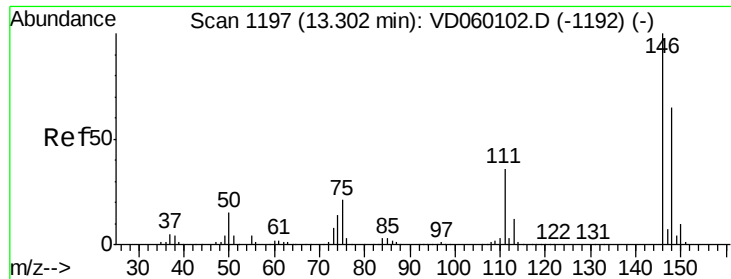


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





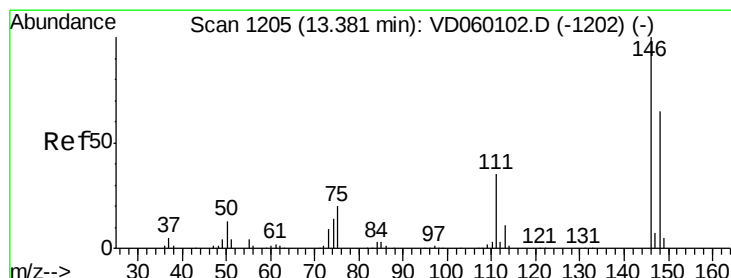
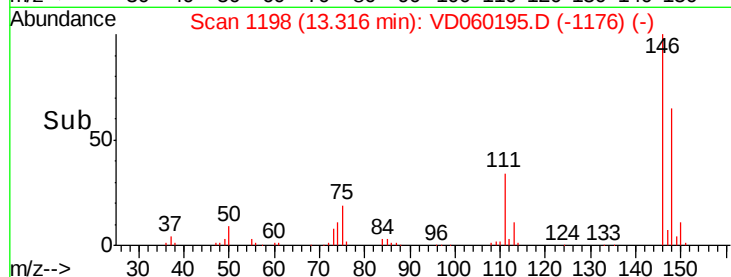
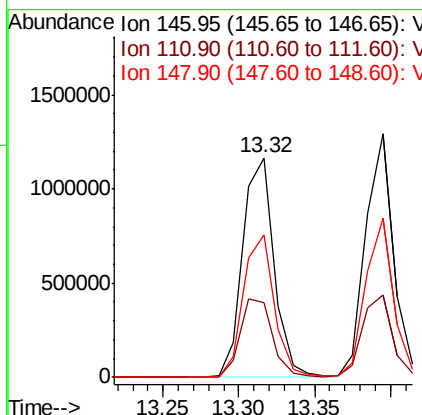
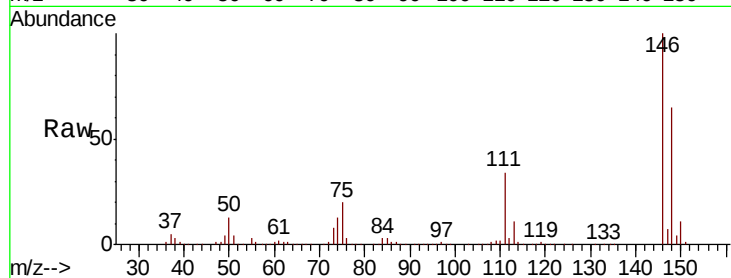
#87
 1,3-Dichlorobenzene
 Concen: 49.568 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1683425
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.1 54.3
 148 64.8 32.3 96.9

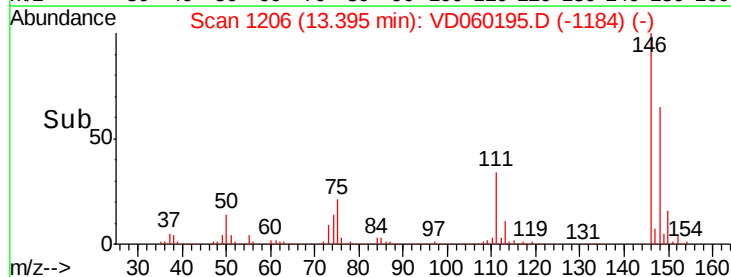
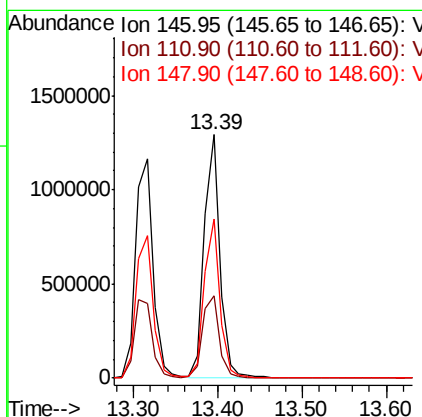
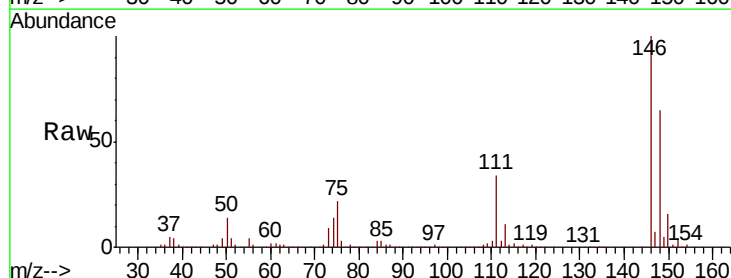
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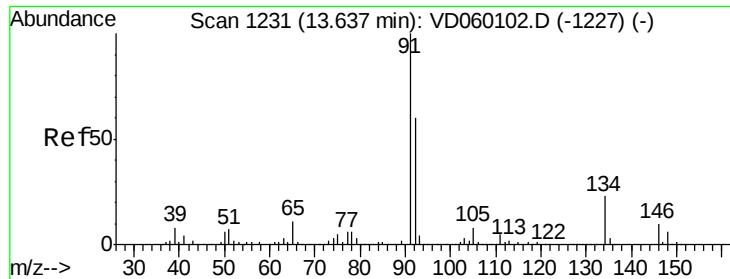
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#88
 1,4-Dichlorobenzene
 Concen: 49.226 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion:146 Resp: 1679264
 Ion Ratio Lower Upper
 146 100
 111 33.9 17.8 53.3
 148 65.3 32.4 97.2





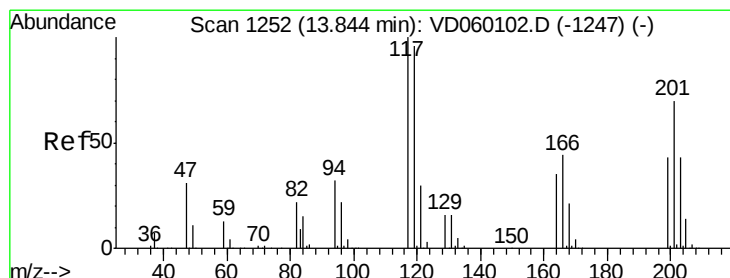
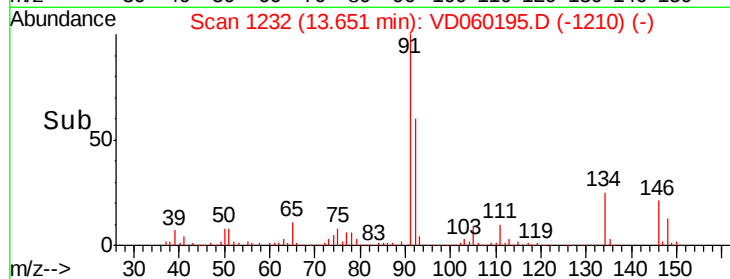
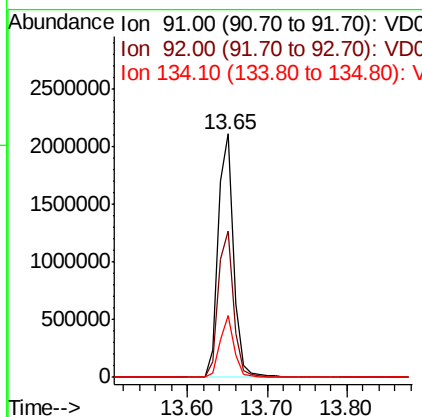
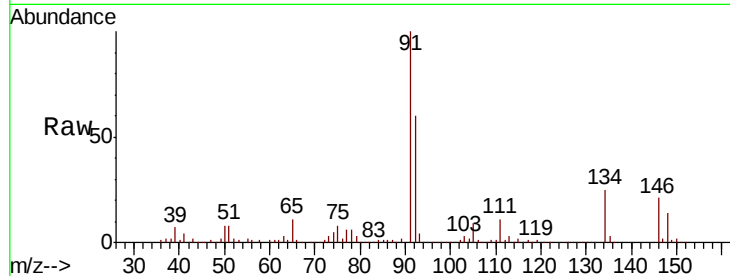
#89
n-Butylbenzene
Concen: 51.418 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 2898784
Ion Ratio Lower Upper
91 100
92 59.9 30.1 90.3
134 25.3 11.6 34.7

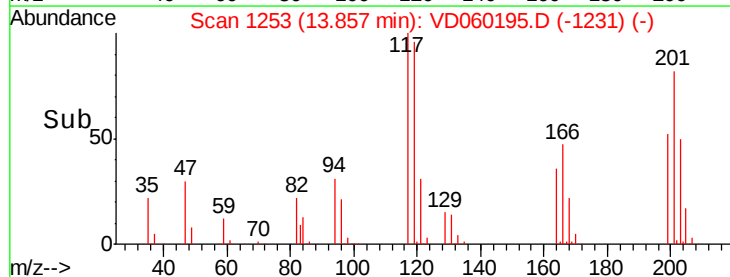
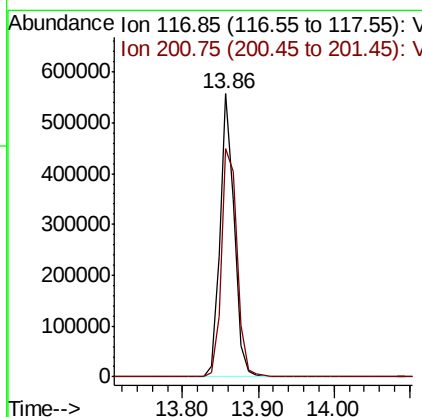
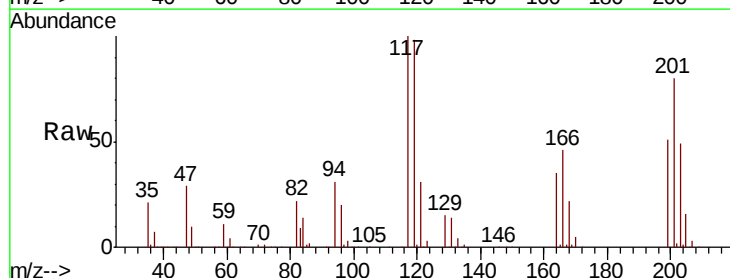
Manual Integrations
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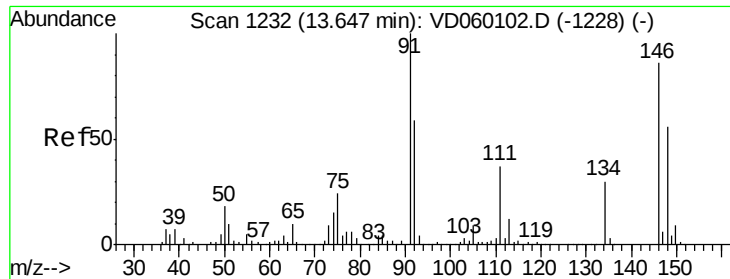
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#90
Hexachloroethane
Concen: 55.412 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion: 117 Resp: 740959
Ion Ratio Lower Upper
117 100
201 80.5 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 50.316 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1436855

Ion Ratio Lower Upper

146 100

111 40.4 21.4 64.3

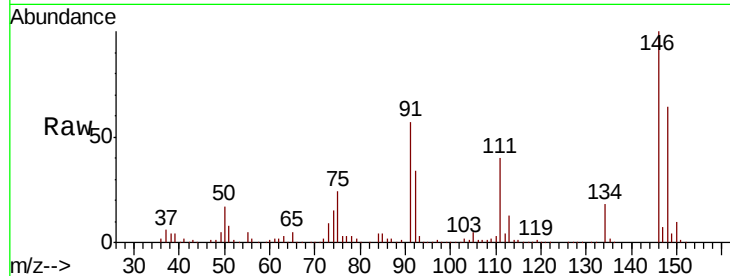
148 63.9 32.2 96.6

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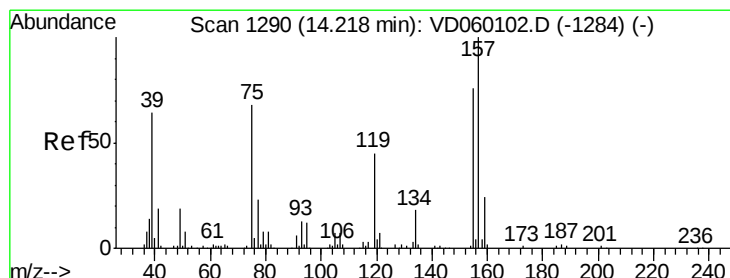
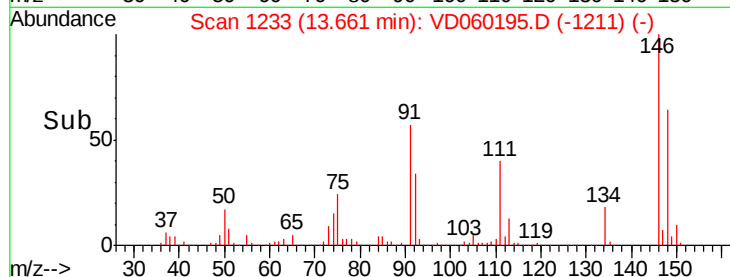
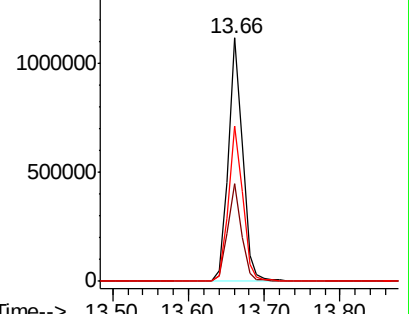
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.012 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VD060195.D

Acq: 25 Oct 2018 14:50

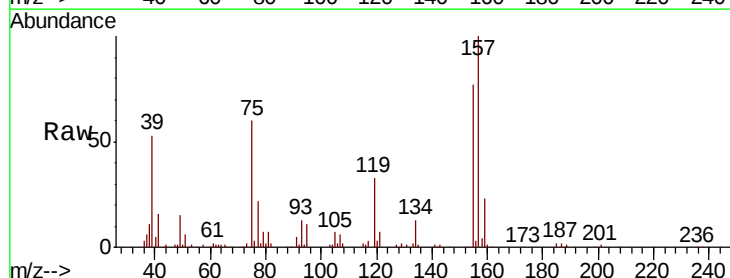
Tgt Ion: 75 Resp: 101704

Ion Ratio Lower Upper

75 100

155 129.3 55.9 167.7

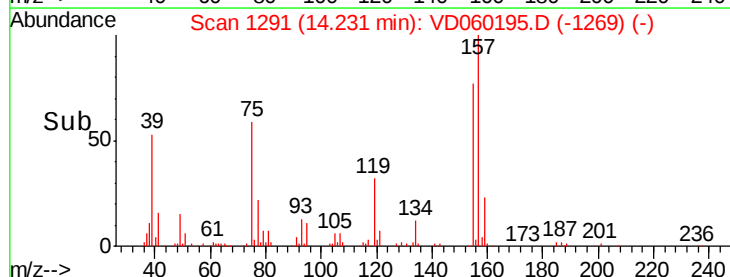
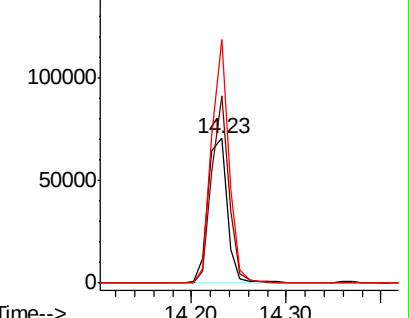
157 167.9 73.3 219.8

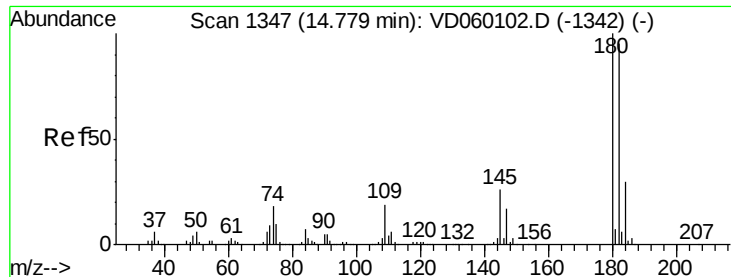


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





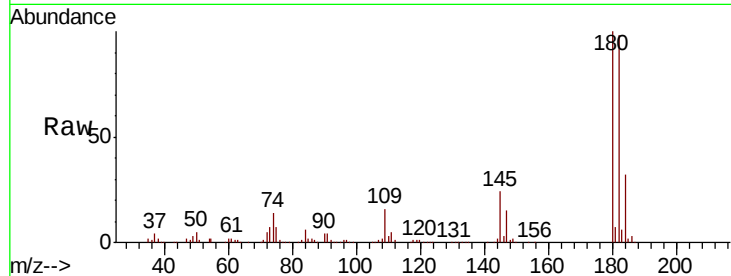
#93
 1,2,4-Trichlorobenzene
 Concen: 50.786 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

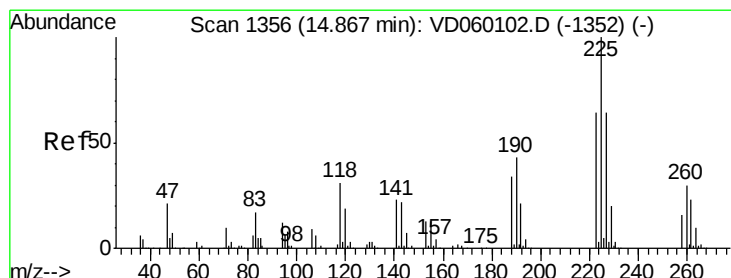
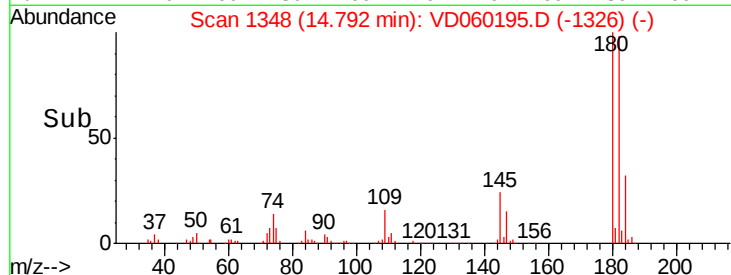
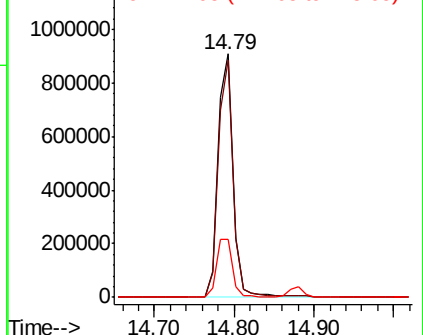
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	23.9	13.0	38.9

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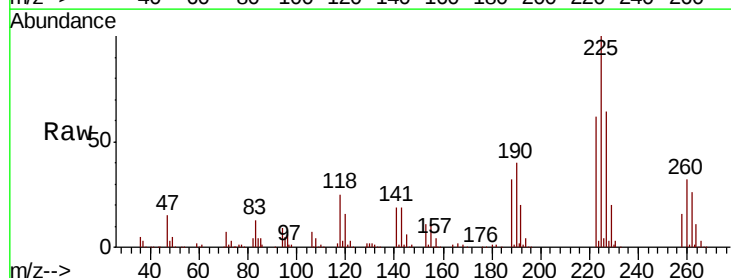


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

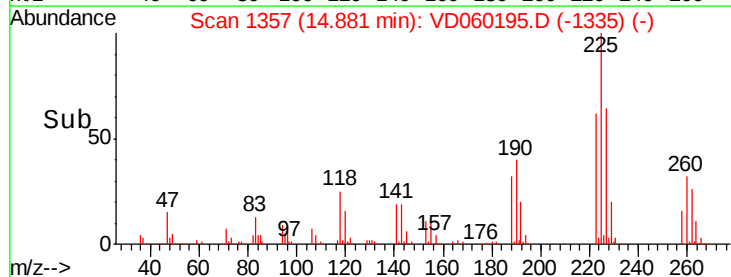
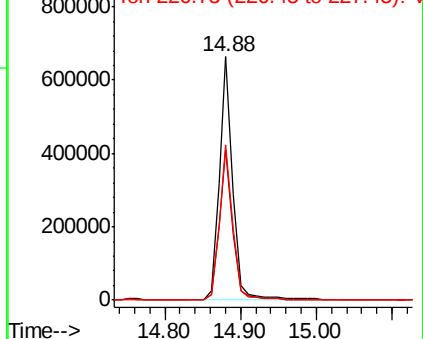


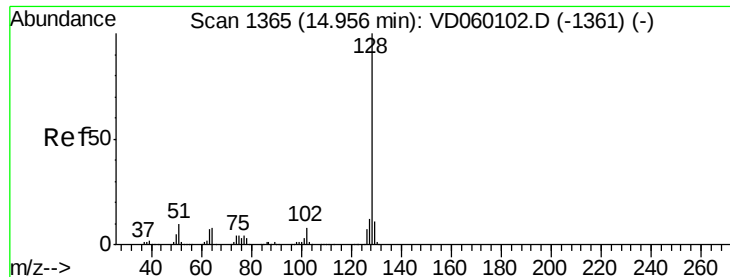
#94
 Hexachlorobutadiene
 Concen: 51.648 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060195.D
 Acq: 25 Oct 2018 14:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.8	95.4
227	64.0	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





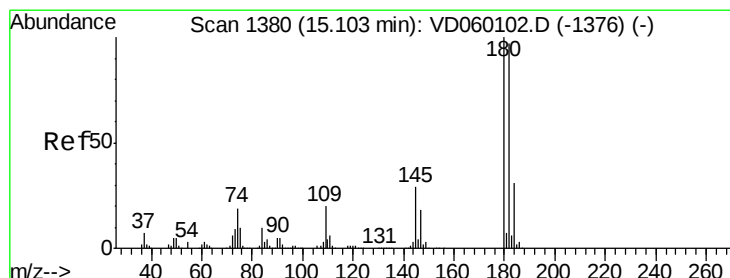
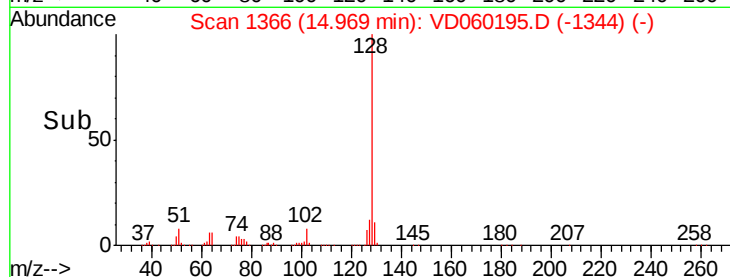
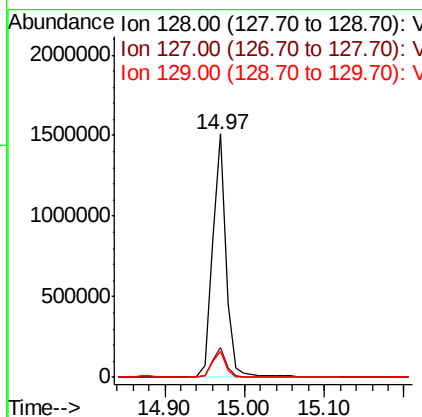
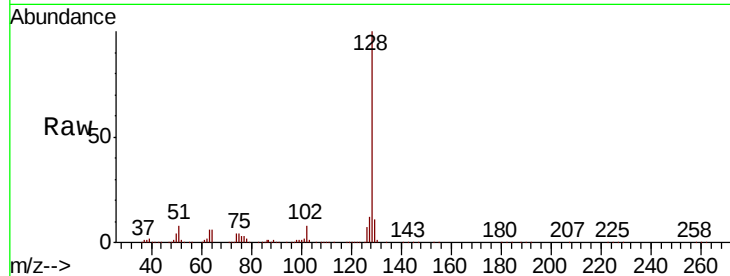
#95
Naphthalene
Concen: 50.286 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1806702
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 10.8 8.8 13.2

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#96
1,2,3-Trichlorobenzene
Concen: 48.971 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060195.D
Acq: 25 Oct 2018 14:50

Tgt Ion:180 Resp: 1032562
Ion Ratio Lower Upper
180 100
182 95.9 48.4 145.0
145 25.7 14.5 43.6

