

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110118\
 Data File : VD060262.D
 Acq On : 1 Nov 2018 15:10
 Operator : VA/AP
 Sample : VD1101SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Manual Integrations
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 11/5/2018 1:21:16 PM

Quant Time: Nov 01 17:00:17 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	1404857	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	1940638	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1556453	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	893945	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	567687	53.31	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	106.62%	
35) Dibromofluoromethane	6.33	113	759268	51.52	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	103.04%	
50) Toluene-d8	9.47	98	2050238	48.79	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.43	95	796956	50.65	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	101.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	249902	18.910	ug/l	96
3) Chloromethane	1.75	50	251766	21.128	ug/l	98
4) Vinyl Chloride	1.85	62	220204	22.580	ug/l	95
5) Bromomethane	2.13	94	20927	17.090	ug/l	94
6) Chloroethane	2.23	64	48214	18.117	ug/l	99
7) Trichlorofluoromethane	2.49	101	234209	20.058	ug/l	98
8) Diethyl Ether	2.82	74	57896	24.112	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	174747	24.022	ug/l	93
10) Methyl Iodide	3.24	142	145345	18.841	ug/l	95
11) Tert butyl alcohol	3.97	59	82902	108.548	ug/l	97
12) 1,1-Dichloroethene	3.06	96	138006	24.082	ug/l	96
13) Acrolein	2.98	56	32258	68.517	ug/l	100
14) Allyl chloride	3.53	41	274928	23.099	ug/l	99
15) Acrylonitrile	4.08	53	372777	117.923	ug/l	96
16) Acetone	3.16	43	281563	145.714	ug/l	100
17) Carbon Disulfide	3.31	76	408138	21.178	ug/l	100
18) Methyl Acetate	3.55	43	96331	23.195	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	577748	22.929	ug/l	99
20) Methylene Chloride	3.71	84	350133	20.481	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	320967	21.686	ug/l	97
22) Diisopropyl ether	4.86	45	1231422	23.167	ug/l	98
23) Vinyl Acetate	4.80	43	3606691	120.712	ug/l	99
24) 1,1-Dichloroethane	4.75	63	564655	23.429	ug/l	99
25) 2-Butanone	5.63	43	656824	136.062	ug/l	98
26) 2,2-Dichloropropane	5.59	77	436501	23.891	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	351356	22.406	ug/l	91
28) Bromochloromethane	5.92	49	256668	21.915	ug/l	98
29) Tetrahydrofuran	5.95	42	335464	119.638	ug/l	99
30) Chloroform	6.10	83	562345	23.067	ug/l	98
31) Cyclohexane	6.37	56	504076	21.849	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	459903	23.026	ug/l	98
36) 1,1-Dichloropropene	6.52	75	427572	23.057	ug/l	98
37) Ethyl Acetate	5.70	43	297785	24.192	ug/l	97
38) Carbon Tetrachloride	6.50	117	379976	22.576	ug/l	97

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 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)
39) Methylcyclohexane	8.04	83	469707	22.292	ug/l	98
40) Benzene	6.80	78	1116851	23.021	ug/l	100
41) Methacrylonitrile	5.93	41	137239m	19.726	ug/l	
42) 1,2-Dichloroethane	6.90	62	314281	22.595	ug/l	98
43) Isopropyl Acetate	8.35	43	373531	23.066	ug/l #	99
44) Trichloroethene	7.74	130	331822	22.095	ug/l	98
45) 1,2-Dichloropropane	8.11	63	288317	22.696	ug/l	96
46) Dibromomethane	8.23	93	188196	22.883	ug/l	99
47) Bromodichloromethane	8.49	83	405575	23.144	ug/l	98
48) Methyl methacrylate	8.26	41	205789	22.309	ug/l	99
49) 1,4-Dioxane	8.24	88	42295	466.008	ug/l	95
51) 4-Methyl-2-Pentanone	9.35	43	1225284	119.961	ug/l	99
52) Toluene	9.55	92	702471	22.482	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	364809	23.007	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	446746	22.816	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	228788	22.398	ug/l	96
56) Ethyl methacrylate	10.04	69	262777	23.305	ug/l	96
57) 1,3-Dichloropropane	10.39	76	365810	23.482	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	753783	120.386	ug/l	94
59) 2-Hexanone	10.50	43	989617	134.739	ug/l	100
60) Dibromochloromethane	10.65	129	292915	23.372	ug/l	98
61) 1,2-Dibromoethane	10.76	107	242240	22.320	ug/l	97
64) Tetrachloroethene	10.26	164	313075	22.966	ug/l	96
65) Chlorobenzene	11.32	112	764604	22.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	267284	23.795	ug/l	97
67) Ethyl Benzene	11.43	91	1310541	24.023	ug/l	99
68) m/p-Xylenes	11.57	106	998151	48.968	ug/l	99
69) o-Xylene	11.94	106	478475	23.732	ug/l	90
70) Styrene	11.97	104	796811	23.632	ug/l	98
71) Bromoform	12.12	173	209577	23.041	ug/l	98
73) Isopropylbenzene	12.28	105	1303642	22.105	ug/l	99
74) N-amyl acetate	12.14	43	482027	22.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	289695	22.500	ug/l	96
76) 1,2,3-Trichloropropane	12.61	75	279348	21.699	ug/l	98
77) Bromobenzene	12.55	156	370408	21.614	ug/l	93
78) n-propylbenzene	12.64	91	1655781	22.611	ug/l	98
79) 2-Chlorotoluene	12.71	91	886629	21.815	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1060585	23.236	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.35	75	74742	20.662	ug/l	94
82) 4-Chlorotoluene	12.81	91	1074800	23.380	ug/l	93
83) tert-Butylbenzene	13.05	119	1178296	22.496	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	1063917	22.116	ug/l	98
85) sec-Butylbenzene	13.23	105	1384097	22.349	ug/l	99
86) p-Isopropyltoluene	13.34	119	1142965	22.501	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	661823	22.165	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	663472	22.122	ug/l	99
89) n-Butylbenzene	13.65	91	1151901	23.240	ug/l	98
90) Hexachloroethane	13.86	117	258439	21.984	ug/l	79
91) 1,2-Dichlorobenzene	13.67	146	573320	22.836	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	36916	21.474	ug/l	77

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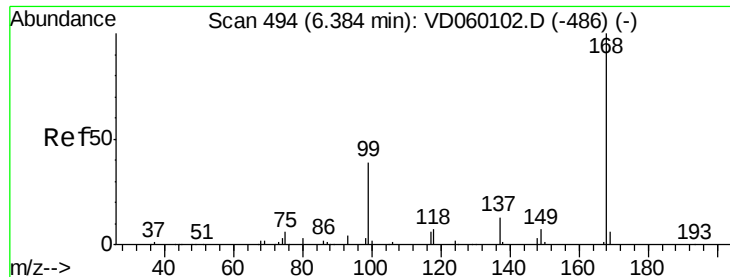
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	459098	21.544	ug/l	98
94) Hexachlorobutadiene	14.89	225	299389	21.136	ug/l	98
95) Naphthalene	14.98	128	680822	21.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	395113	21.314	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion:168 Resp: 1404857

Ion Ratio Lower Upper

168 100

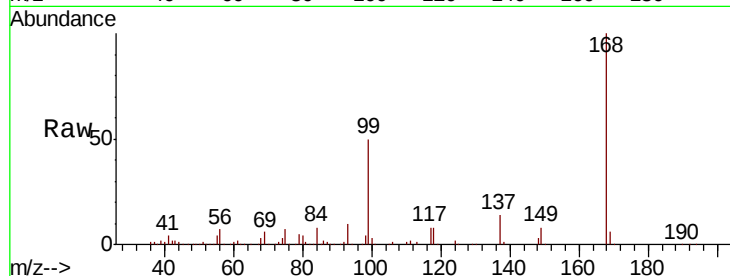
99 50.2 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.41

500000

400000

300000

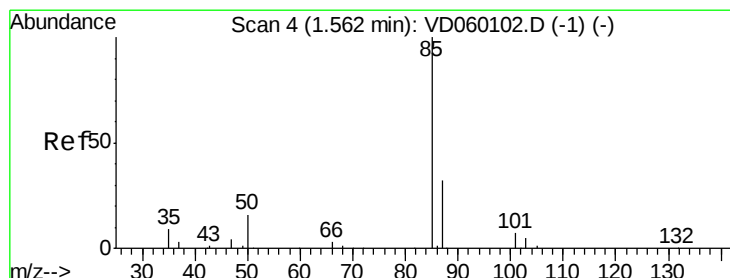
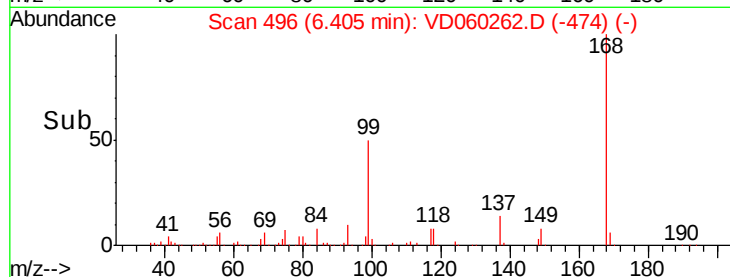
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.910 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060262.D

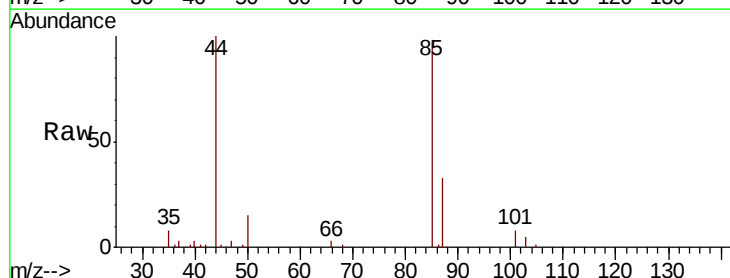
Acq: 1 Nov 2018 15:10

Tgt Ion: 85 Resp: 249902

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.58

100000

80000

60000

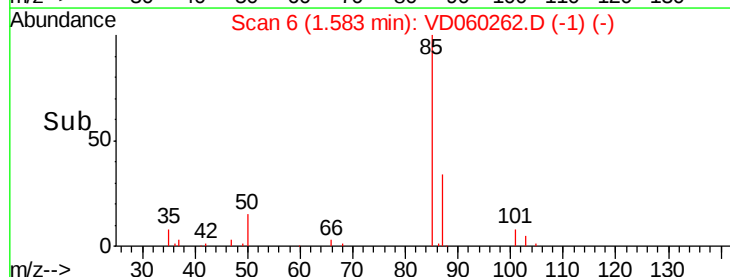
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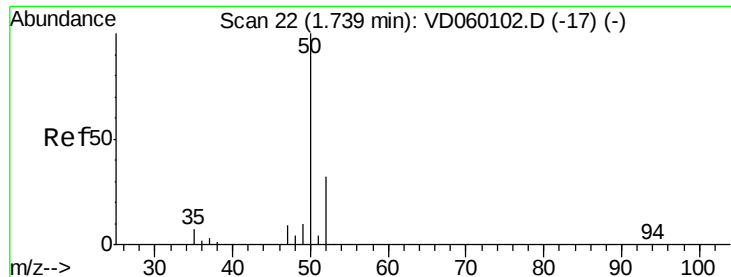
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.128 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 50 Resp: 251766

Ion Ratio Lower Upper

50 100

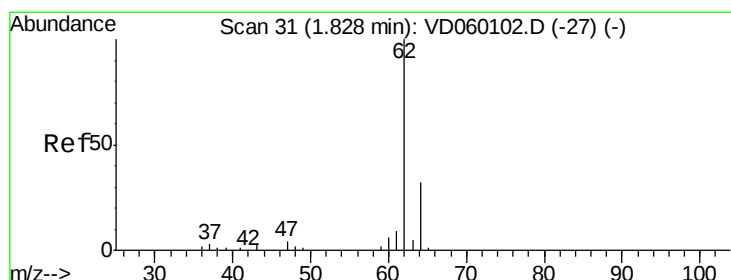
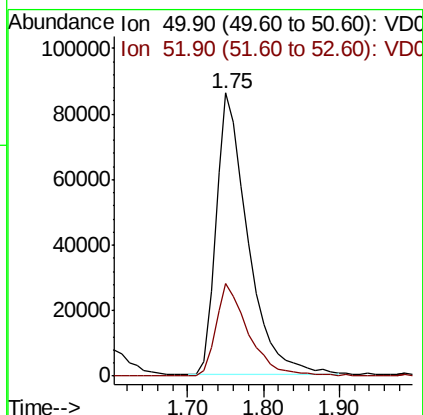
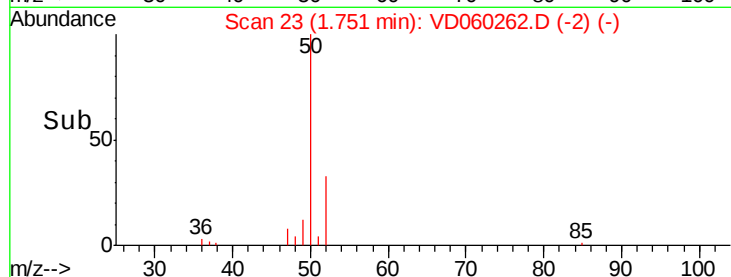
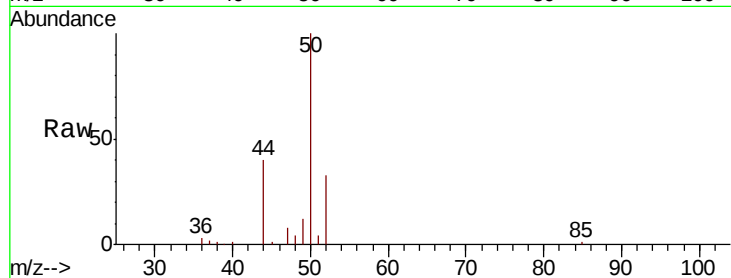
52 32.6 25.3 37.9

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#4

Vinyl Chloride

Concen: 22.580 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060262.D

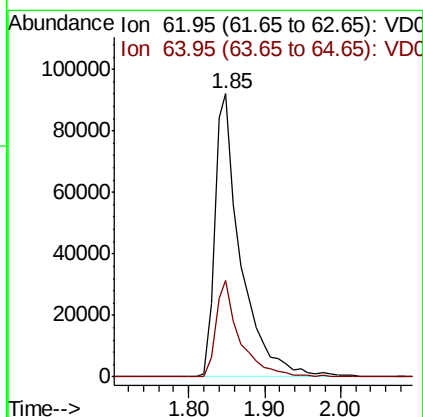
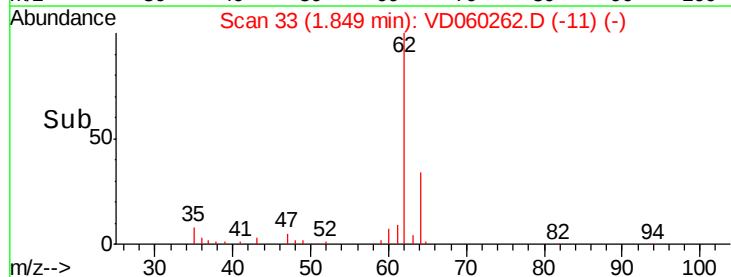
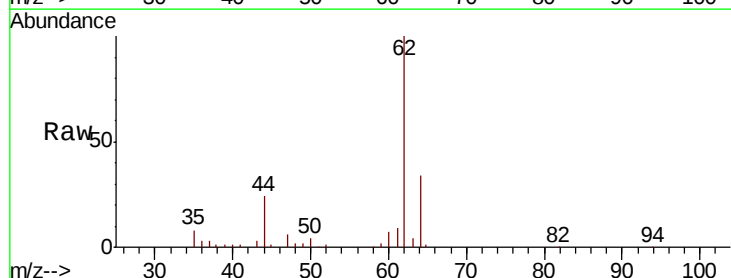
Acq: 1 Nov 2018 15:10

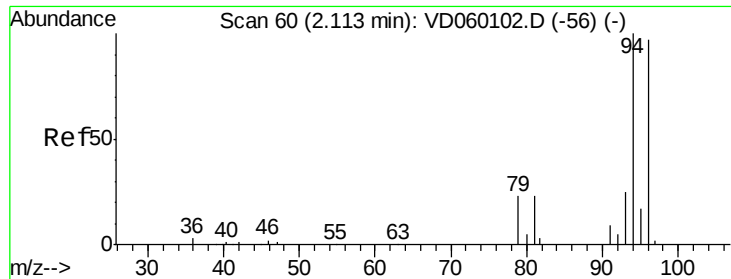
Tgt Ion: 62 Resp: 220204

Ion Ratio Lower Upper

62 100

64 34.2 25.2 37.8





#5

Bromomethane

Concen: 17.090 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 94 Resp: 20927

Ion Ratio Lower Upper

94 100

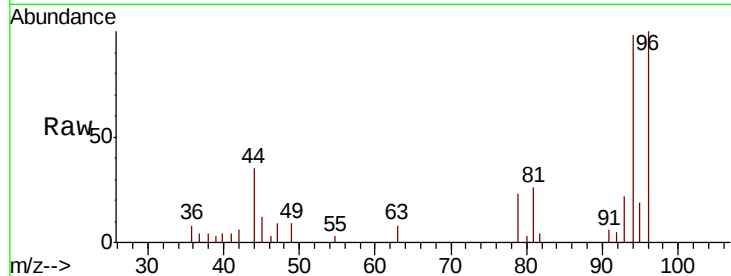
96 102.4 77.4 116.2

Manual Integrations

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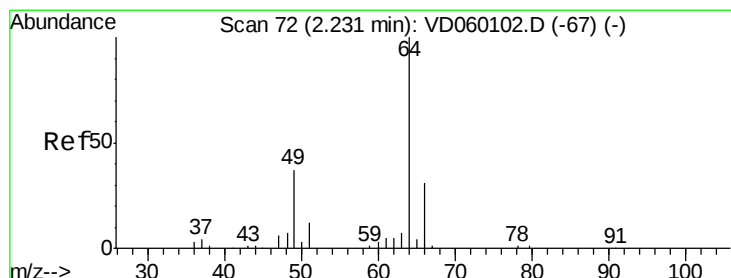
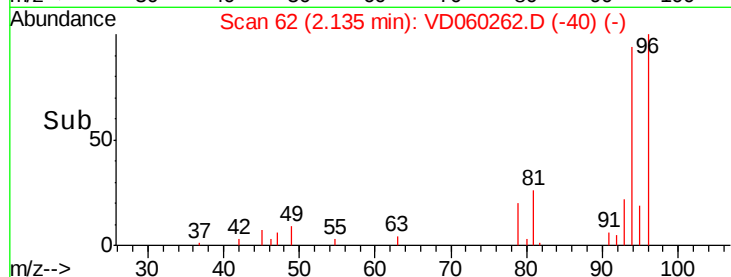
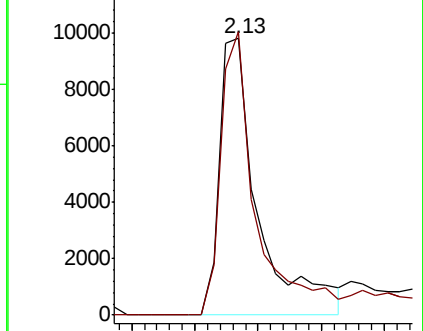
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.117 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD060262.D

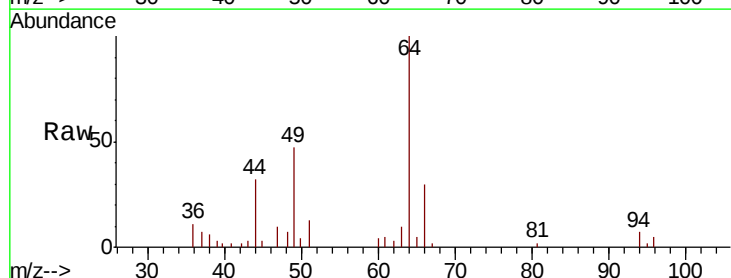
Acq: 1 Nov 2018 15:10

Tgt Ion: 64 Resp: 48214

Ion Ratio Lower Upper

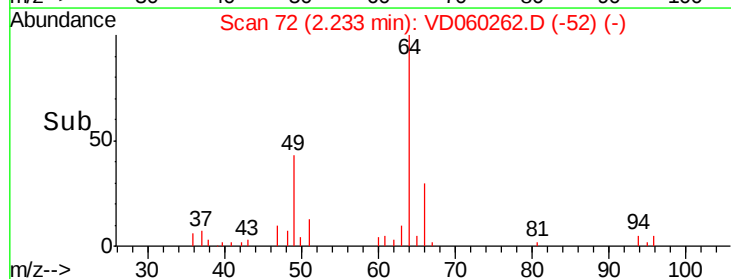
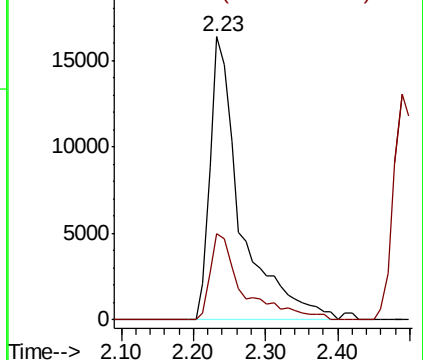
64 100

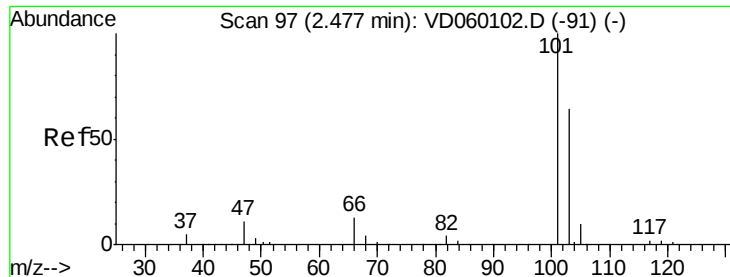
66 30.5 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

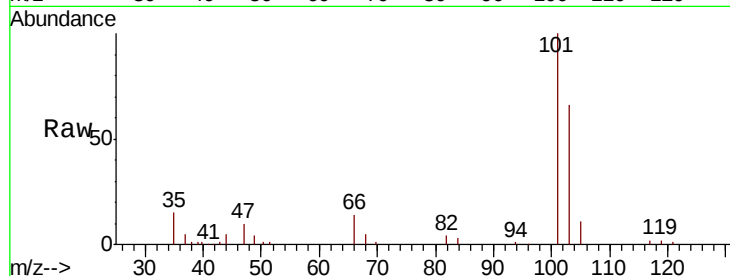
Trichlorofluoromethane
 Concen: 20.058 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060262.D
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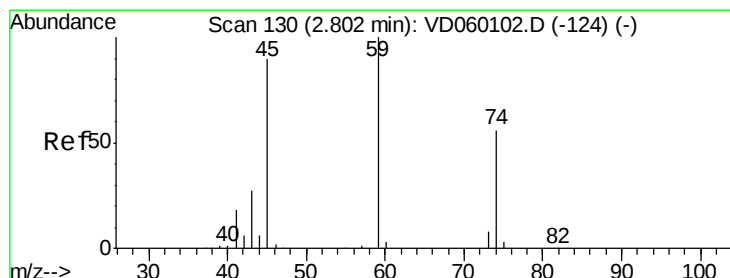
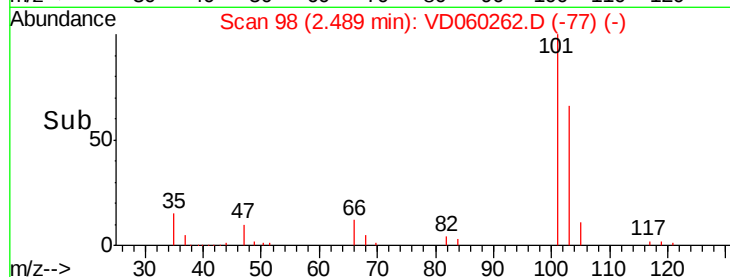
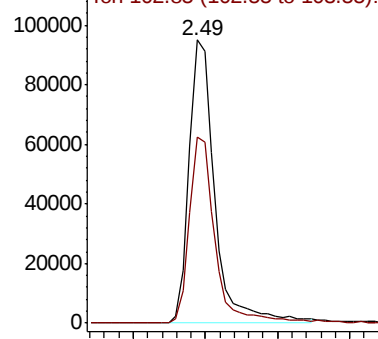
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.5	77.3

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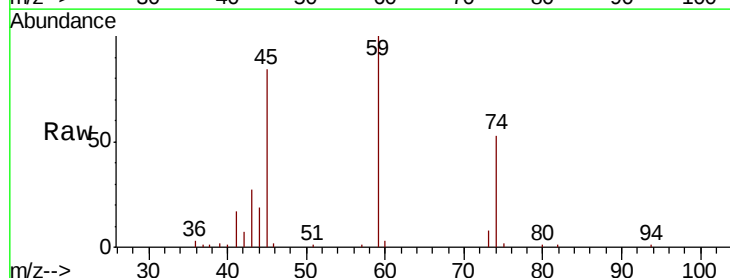
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



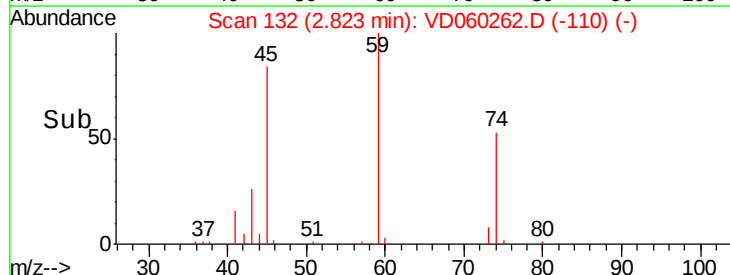
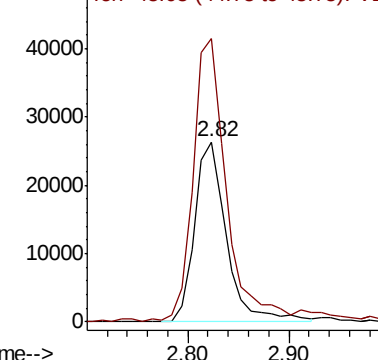
#8

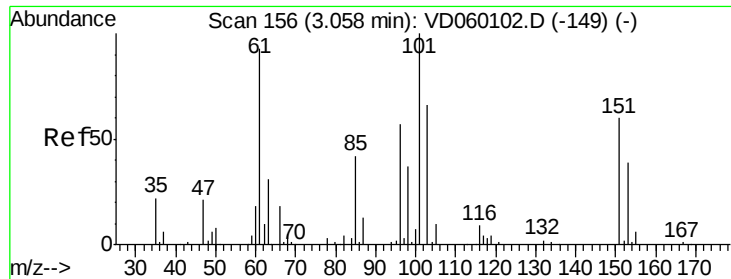
Diethyl Ether
 Concen: 24.112 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	157.1	80.3	241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





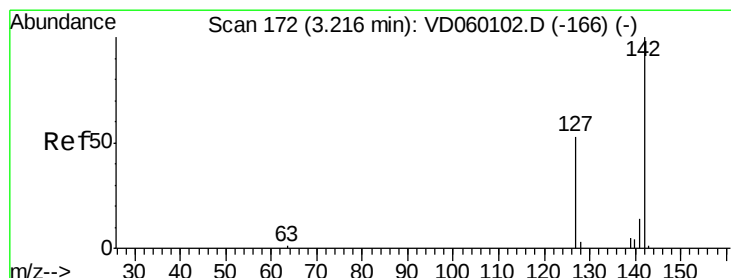
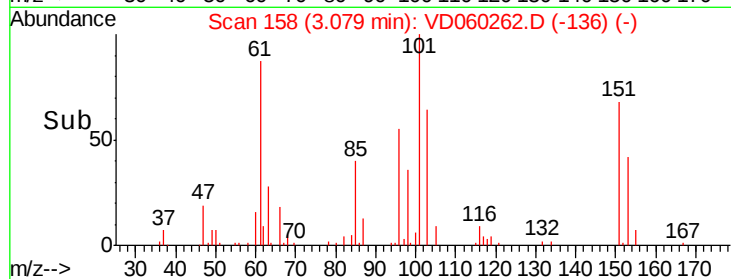
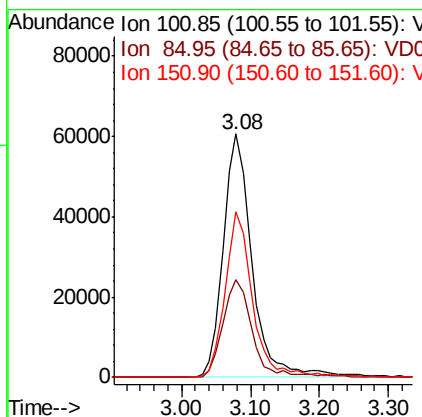
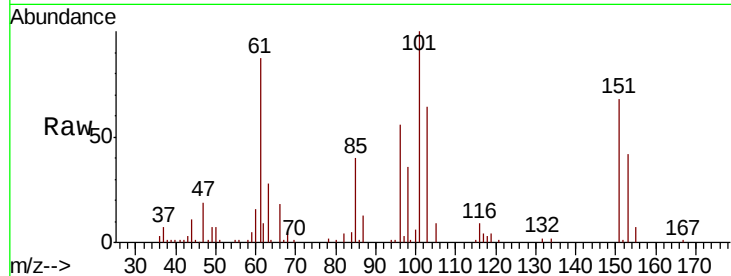
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.022 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.1	33.4	50.0
151	68.0	48.0	72.0

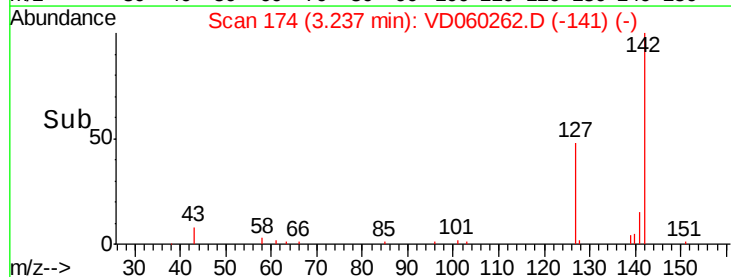
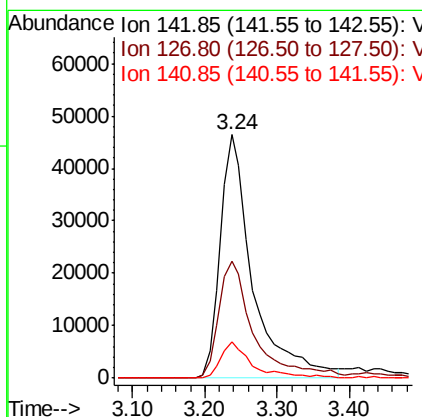
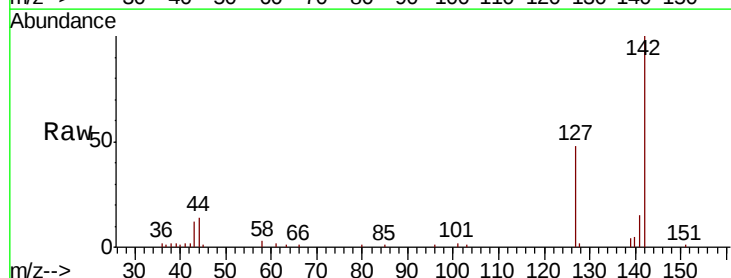
Manual Integrations
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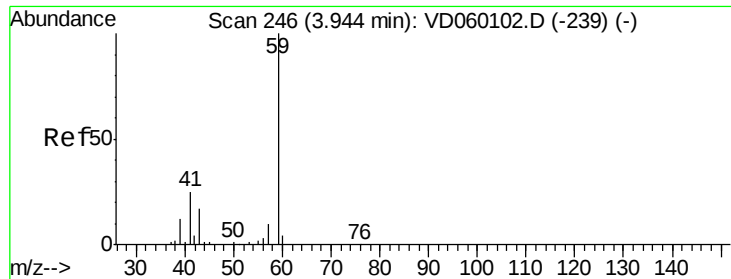
apatel
 11/5/2018 1:21:16 PM



#10
 Methyl Iodide
 Concen: 18.841 ug/l
 RT: 3.24 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.0	42.0	63.0
141	14.8	11.4	17.0





#11

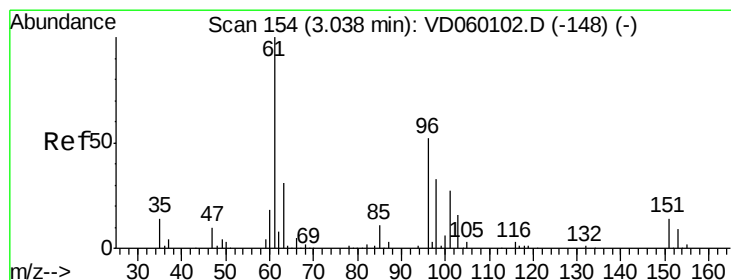
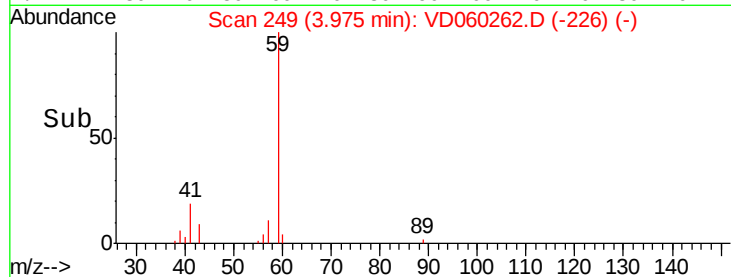
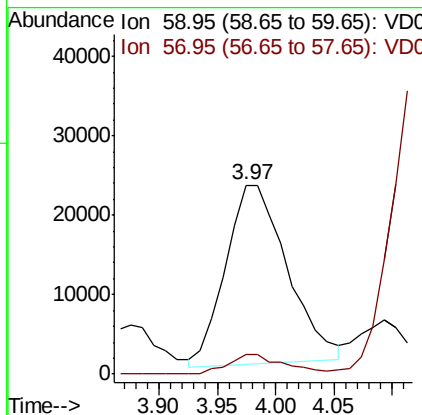
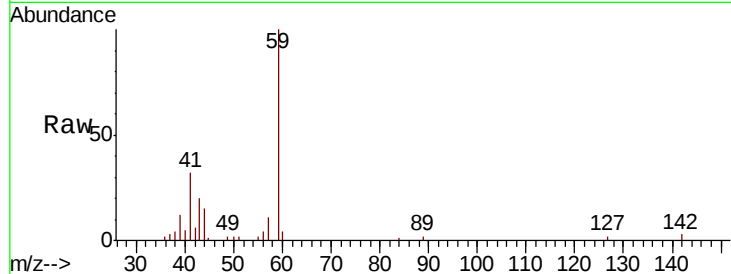
Tert butyl alcohol
 Concen: 108.548 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tot Ion: 59 Resp: 82902
 Ion Ratio Lower Upper
 59 100
 57 10.8 7.8 11.6

Manual Integrations
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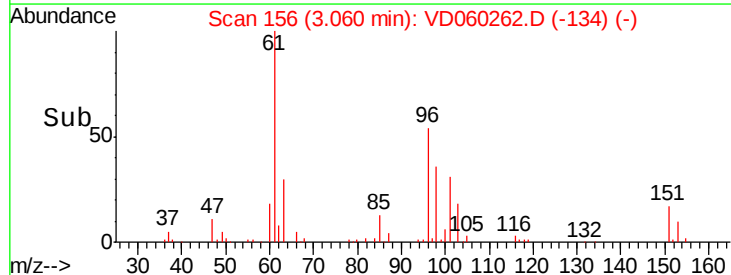
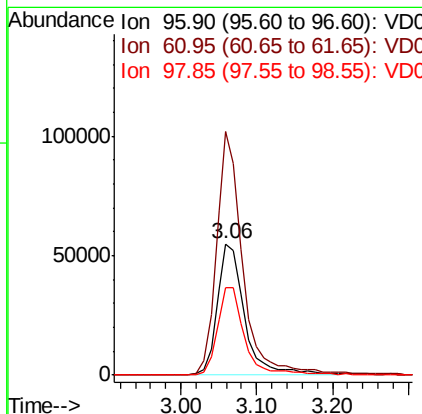
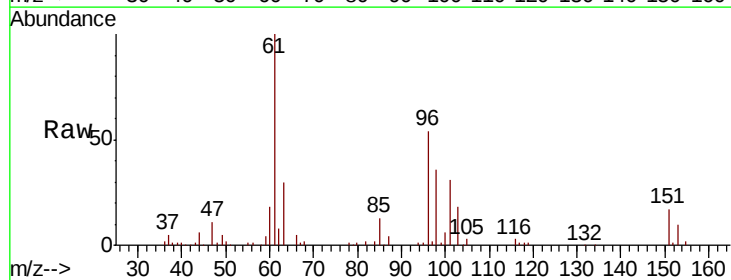
apatel
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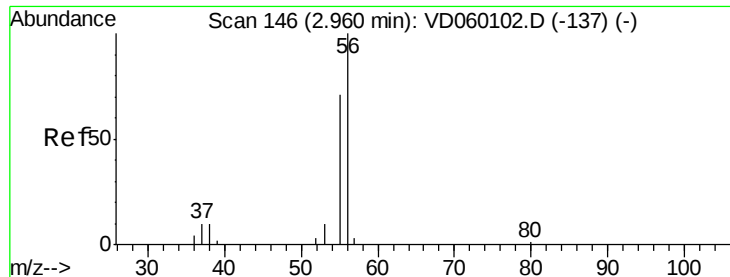


#12

1,1-Dichloroethene
 Concen: 24.082 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion: 96 Resp: 138006
 Ion Ratio Lower Upper
 96 100
 61 185.2 153.0 229.4
 98 66.3 51.1 76.7





#13

Acrolein

Concen: 68.517 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tot Ion: 56 Resp: 32258

Ion Ratio Lower Upper

56 100

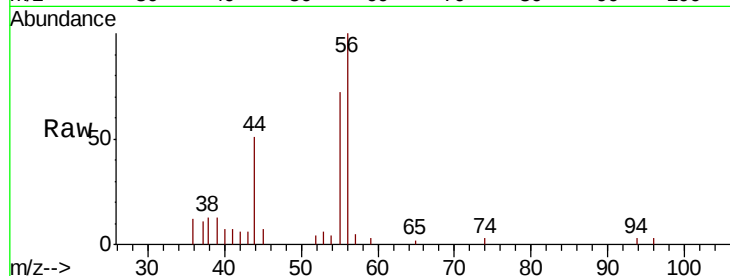
55 72.0 57.4 86.2

Manual Integrations

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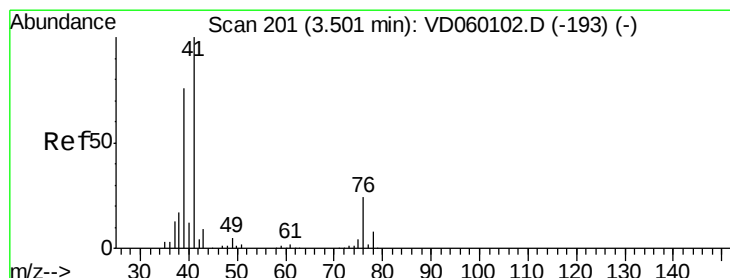
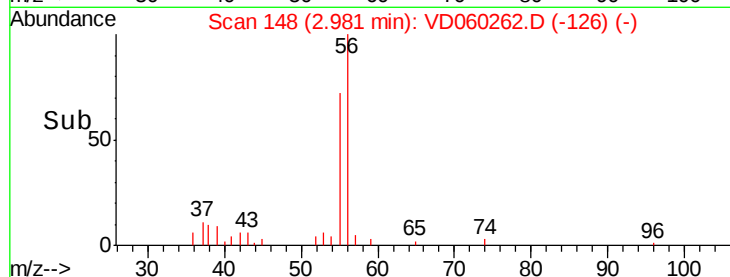
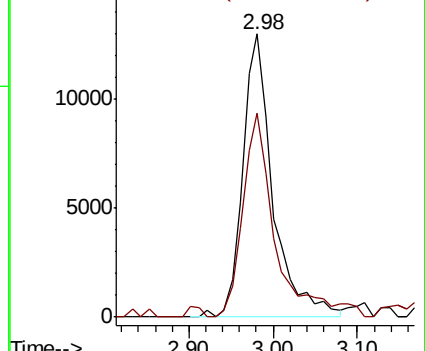
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.099 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

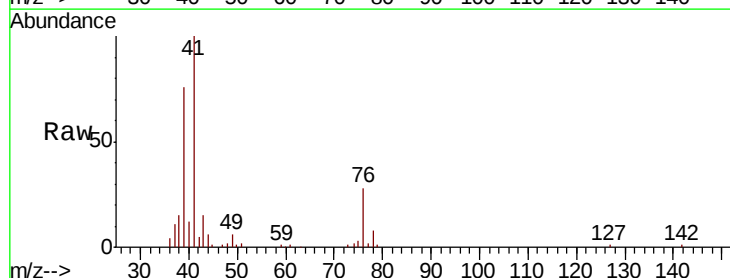
Tgt Ion: 41 Resp: 274928

Ion Ratio Lower Upper

41 100

39 75.5 60.6 90.8

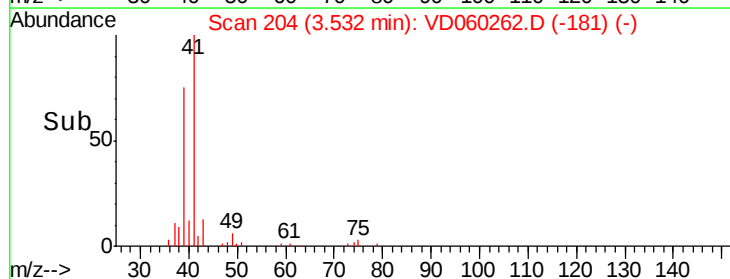
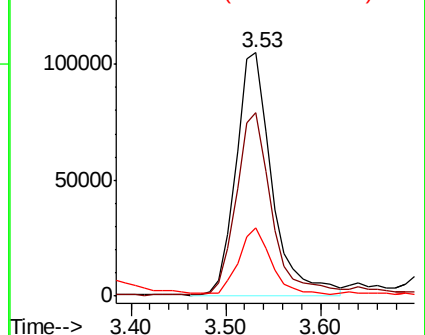
76 27.9 21.3 31.9

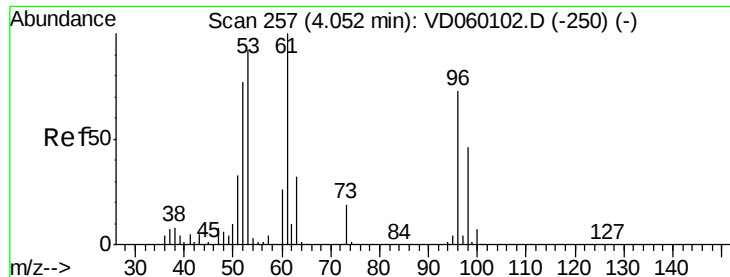


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 117.923 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

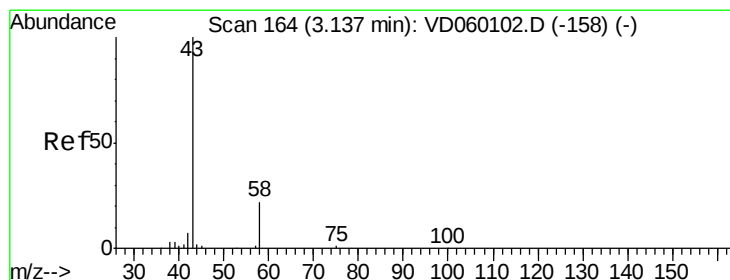
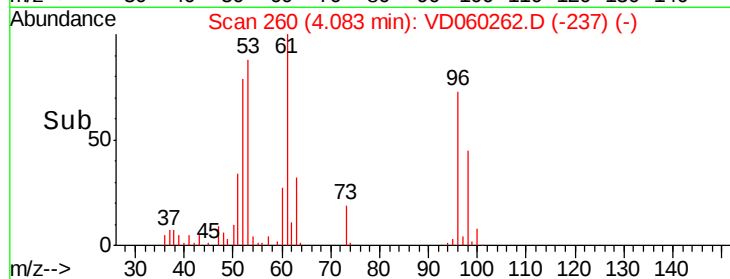
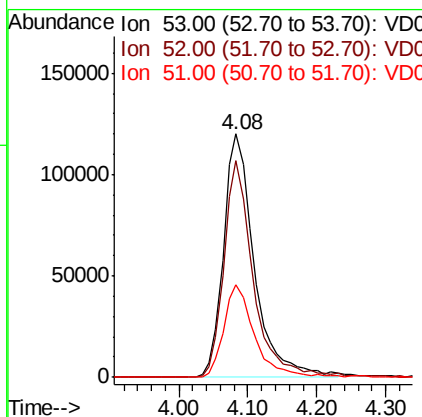
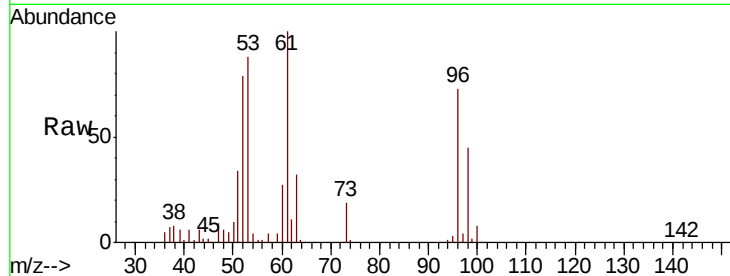
ClientSampleId :

VD1101SBS01

Tot Ion:	53	Resp:	372777
Ion Ratio	Lower	Upper	
53	100		
52	88.9	67.5	101.3
51	38.2	29.3	43.9

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#16

Acetone

Concen: 145.714 ug/l

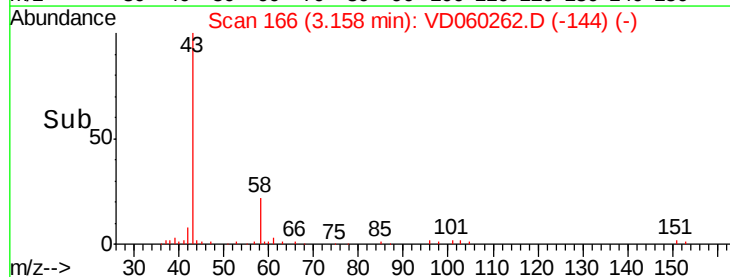
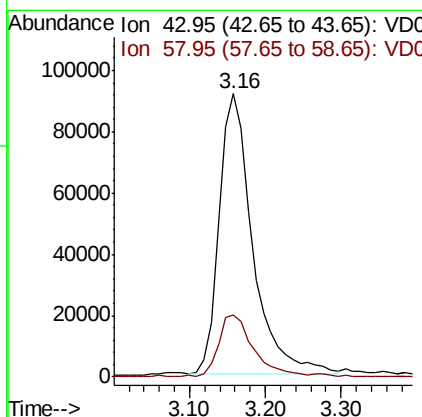
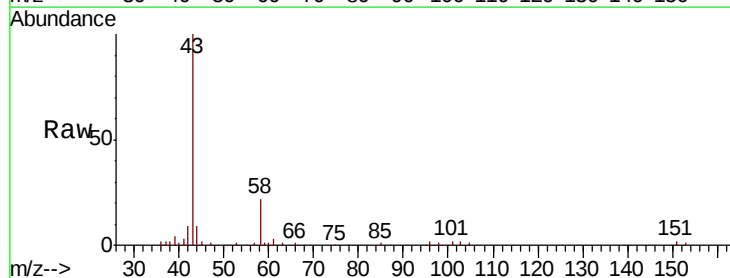
RT: 3.16 min Scan# 166

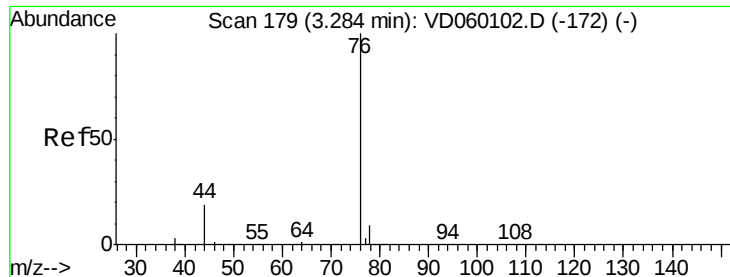
Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Tgt Ion:	43	Resp:	281563
Ion Ratio	Lower	Upper	
43	100		
58	22.1	17.7	26.5





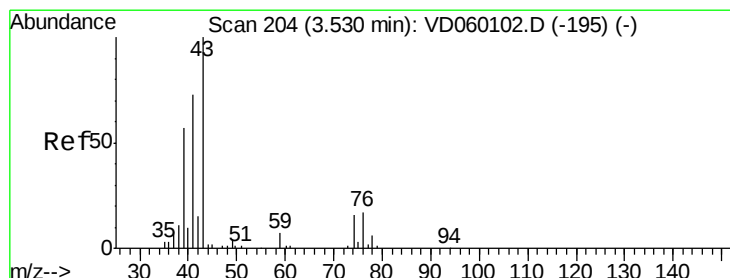
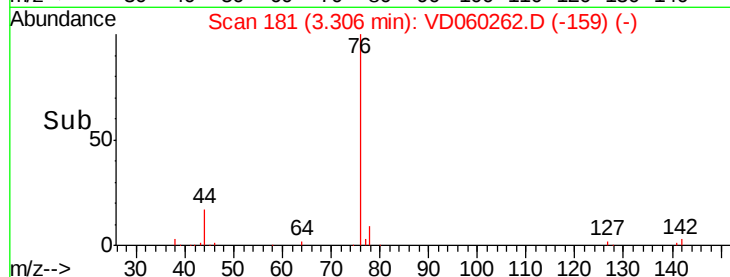
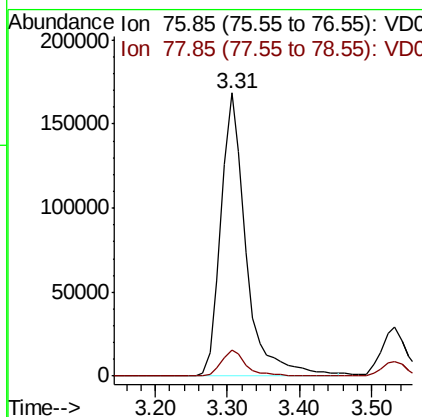
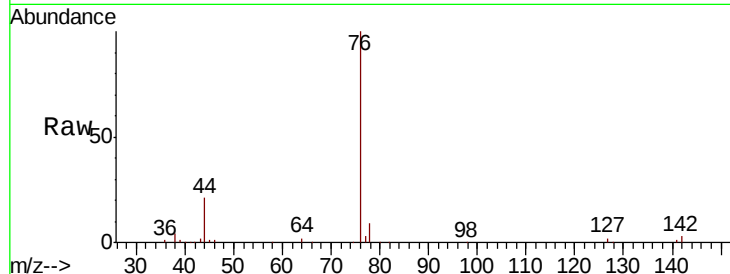
#17
Carbon Disulfide
Concen: 21.178 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

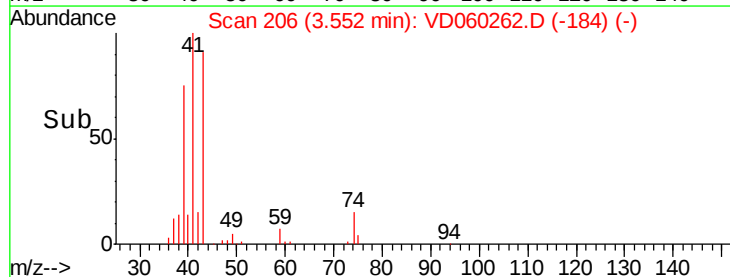
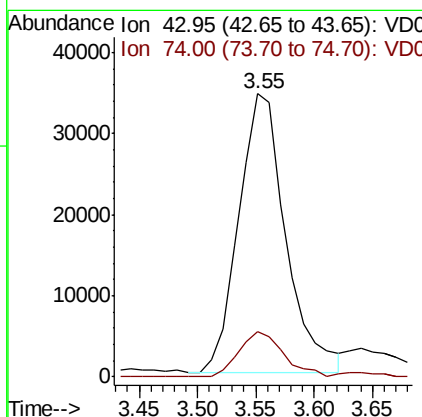
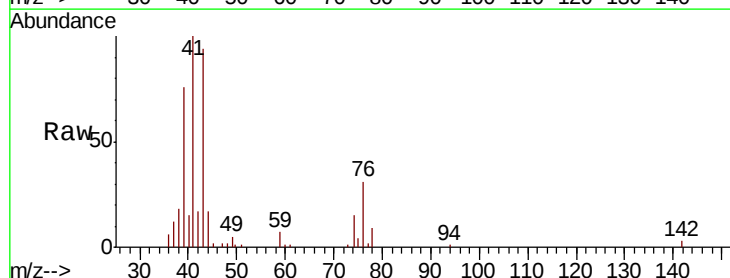
Manual Integrations
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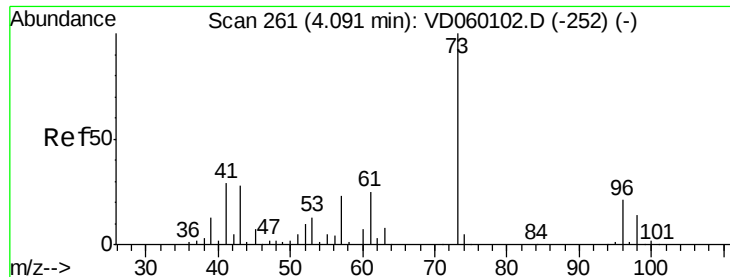
apatel
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#18
Methyl Acetate
Concen: 23.195 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.8	12.6	19.0





#19

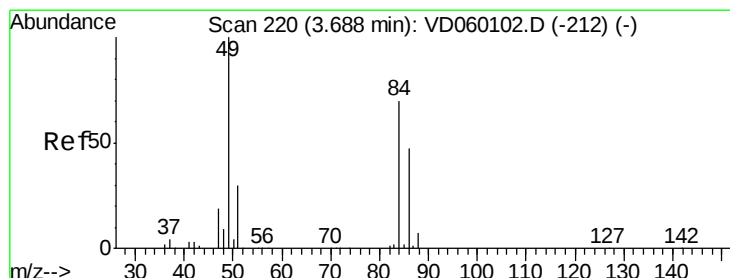
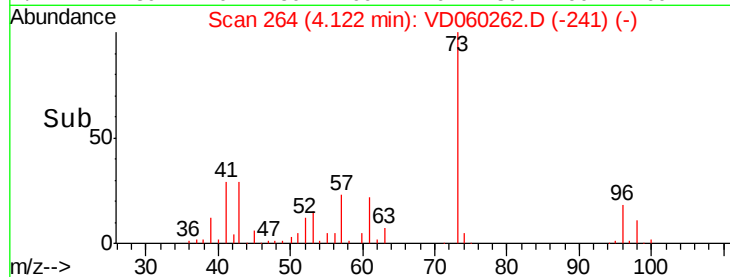
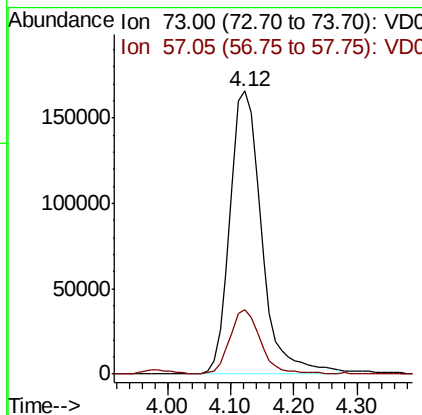
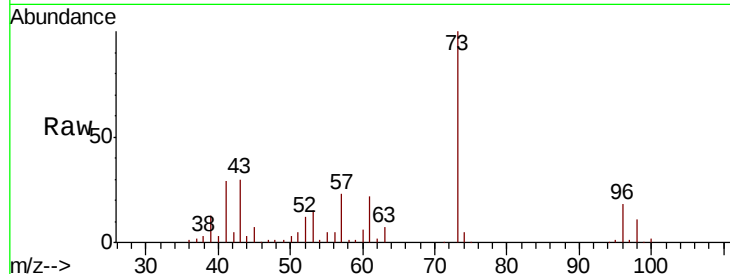
Methyl tert-butyl Ether
 Concen: 22.929 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1101SBS01

Tot Ion: 73 Resp: 577748
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.7 28.1

Manual Integrations
 APPROVED

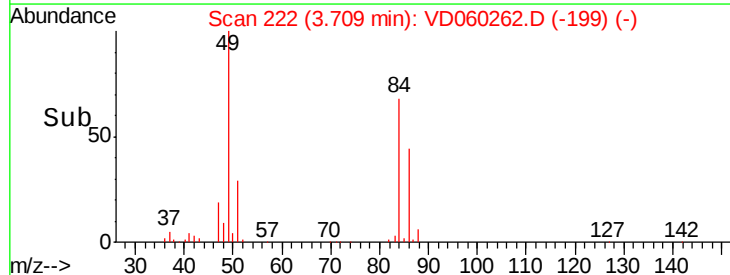
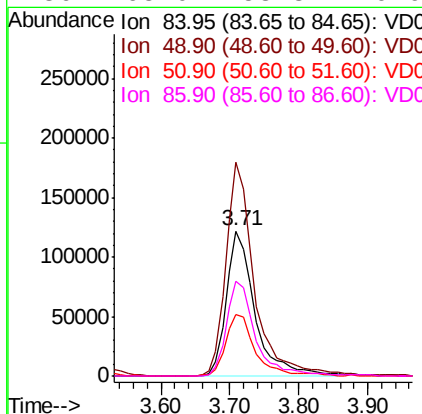
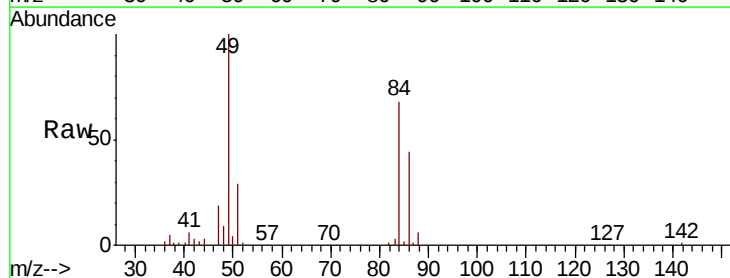
apatel
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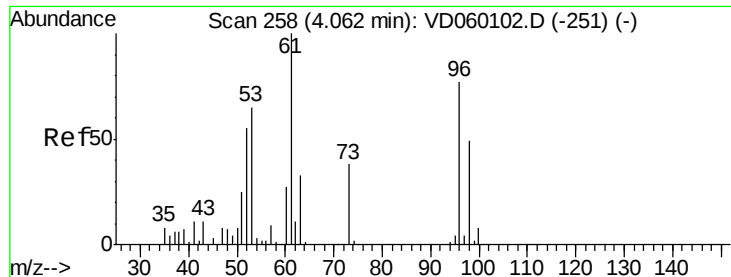


#20

Methylene Chloride
 Concen: 20.481 ug/l
 RT: 3.71 min Scan# 222
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion: 84 Resp: 350133
 Ion Ratio Lower Upper
 84 100
 49 147.2 114.6 172.0
 51 42.3 33.8 50.8
 86 65.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.686 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 96 Resp: 320967

Ion Ratio Lower Upper

96 100

61 132.4 103.3 154.9

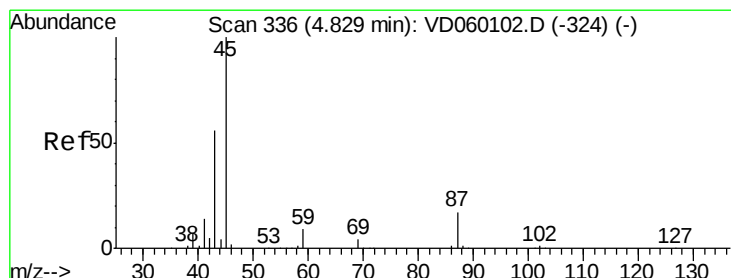
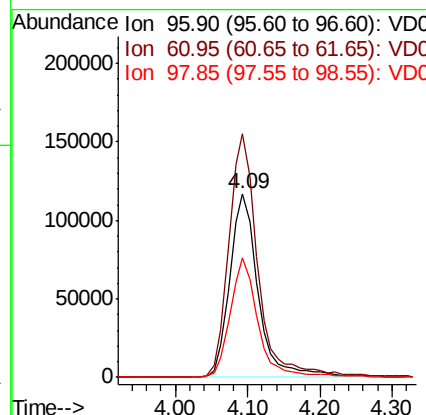
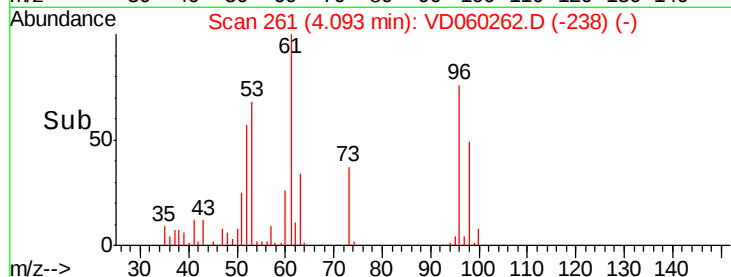
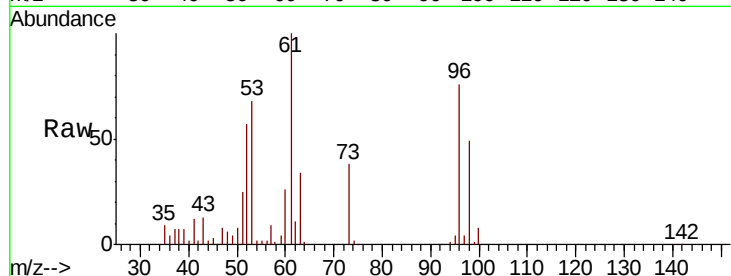
98 64.8 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 23.167 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Tgt Ion: 45 Resp: 1231422

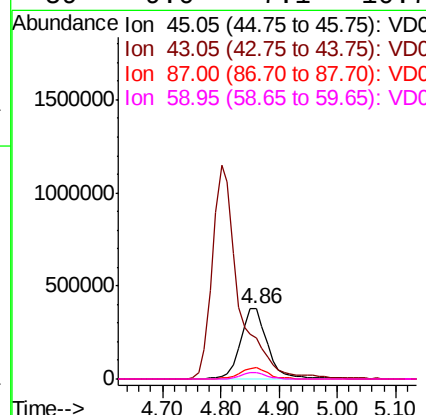
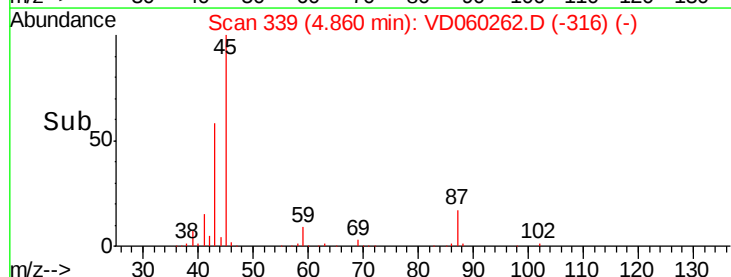
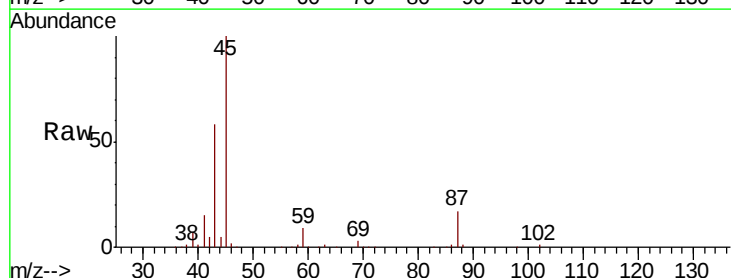
Ion Ratio Lower Upper

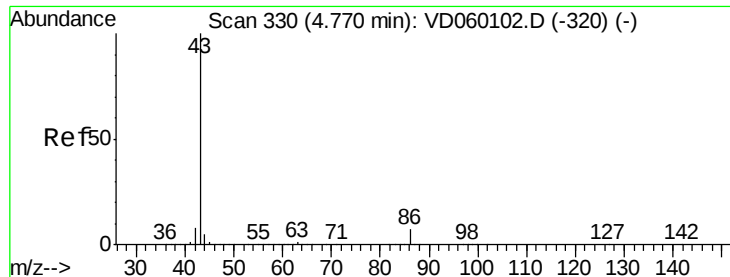
45 100

43 57.6 44.8 67.2

87 16.7 13.9 20.9

59 9.0 7.1 10.7





#23

Vinyl Acetate

Concen: 120.712 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 43 Resp: 3606691

Ion Ratio Lower Upper

43 100

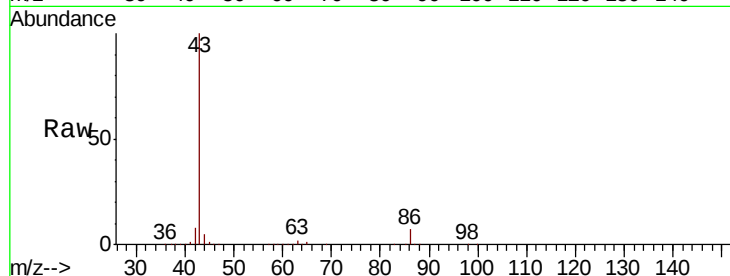
86 6.8 5.6 8.4

Manual Integrations

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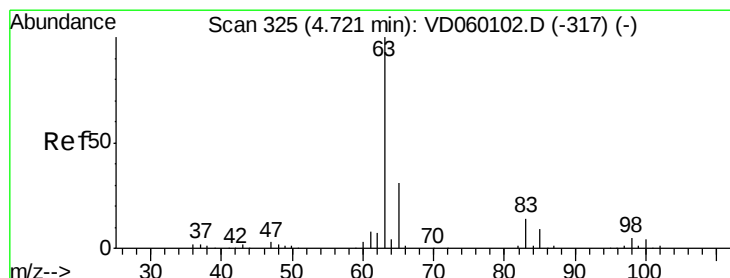
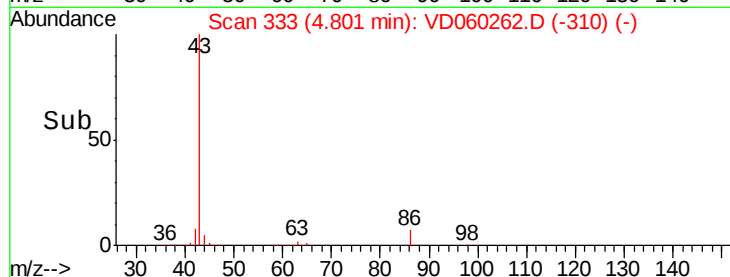
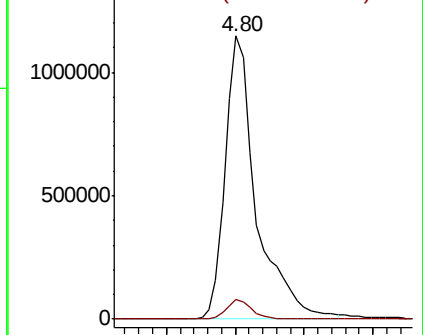
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.429 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

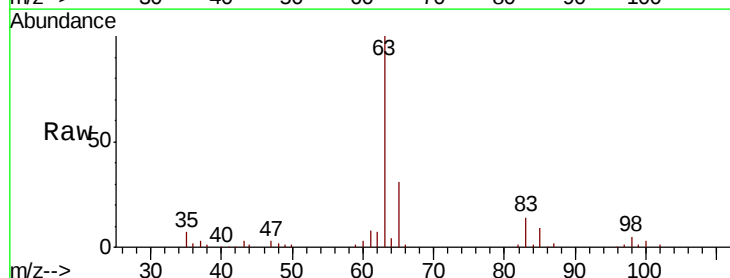
Tgt Ion: 63 Resp: 564655

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

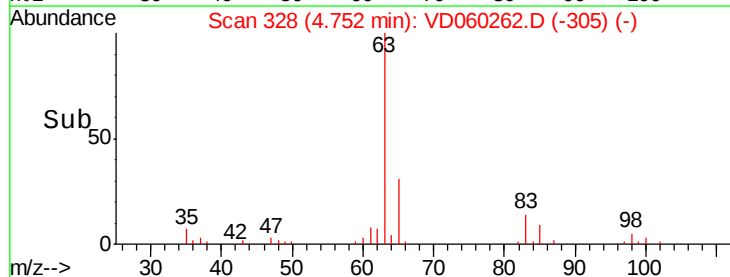
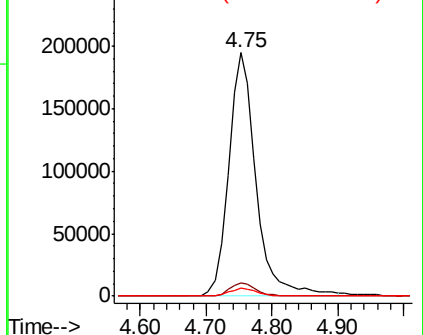
100 3.4 1.8 5.3

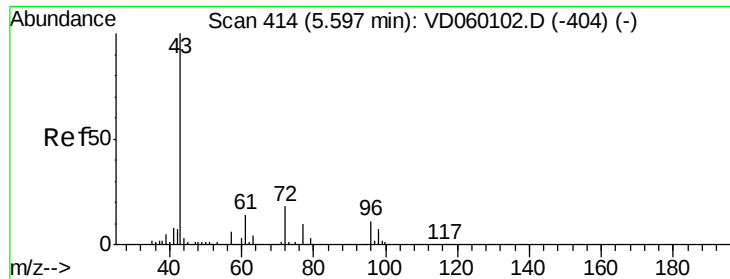


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 136.062 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 43 Resp: 656824

Ion Ratio Lower Upper

43 100

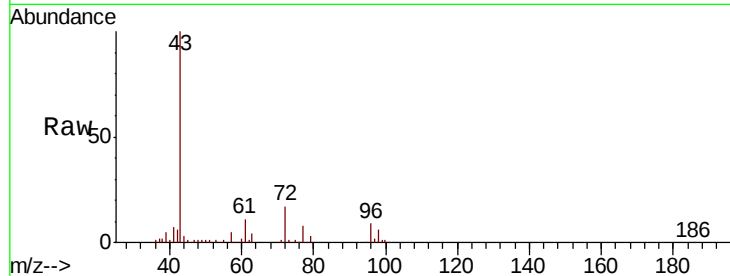
72 17.1 14.5 21.7

Manual Integrations

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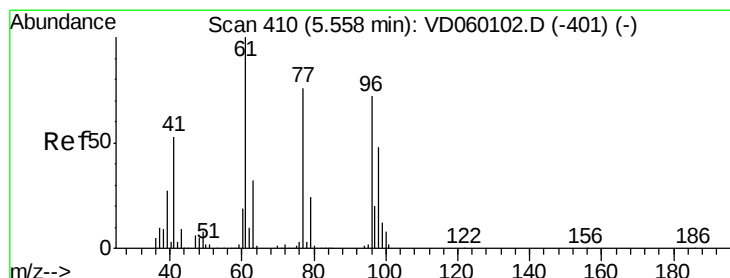
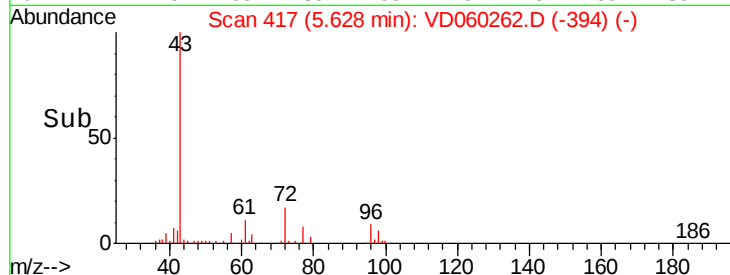
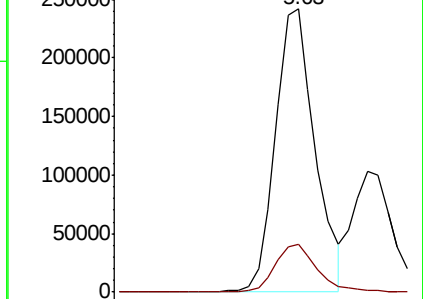
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.891 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060262.D

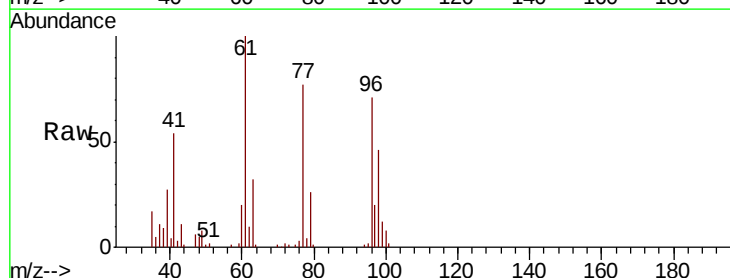
Acq: 1 Nov 2018 15:10

Tgt Ion: 77 Resp: 436501

Ion Ratio Lower Upper

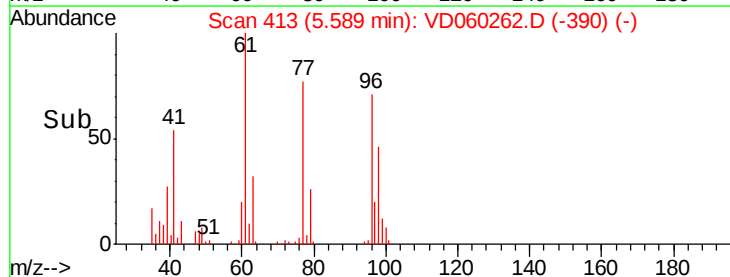
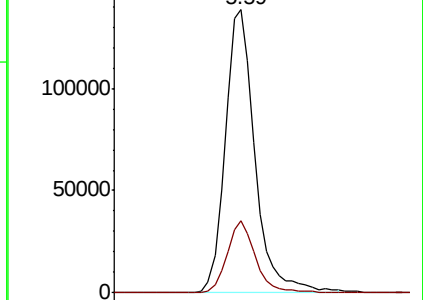
77 100

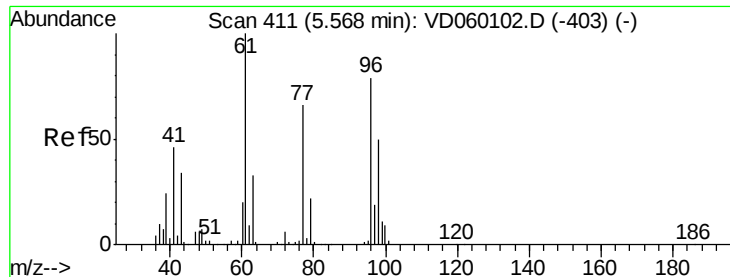
97 25.7 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

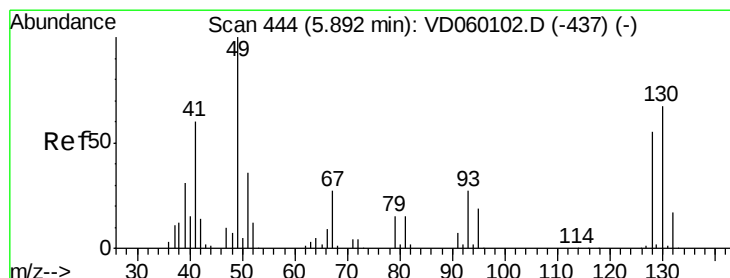
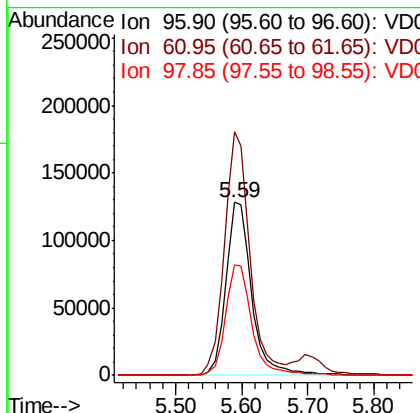
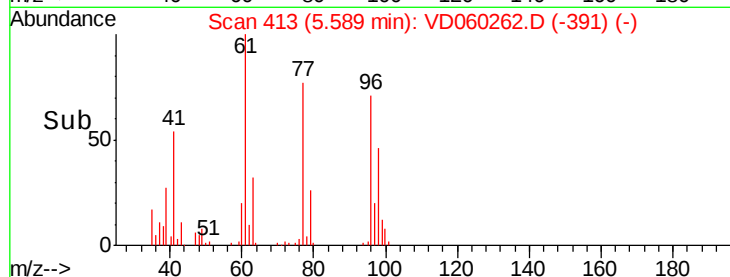
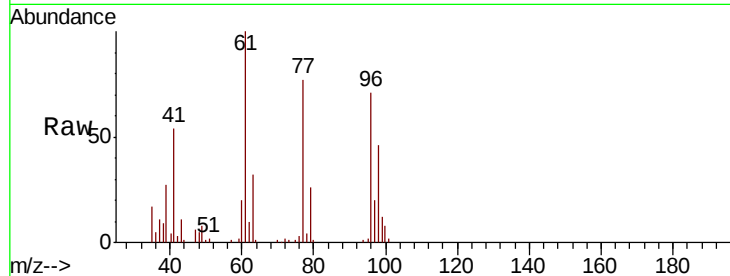
cis-1,2-Dichloroethene
Concen: 22.406 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.7	0.0	251.8	
98	64.2	0.0	125.2	

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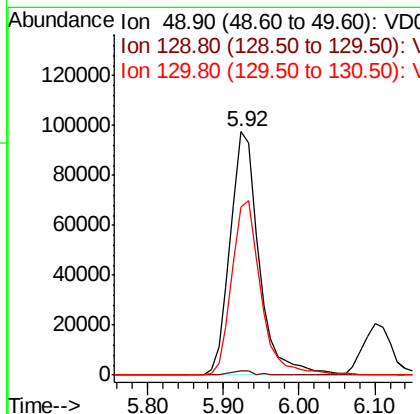
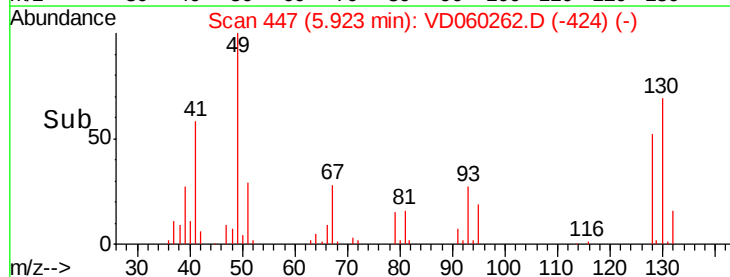
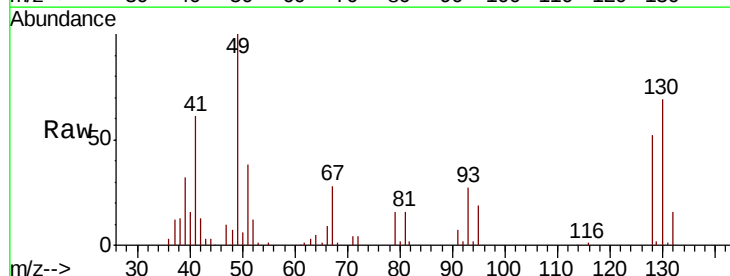
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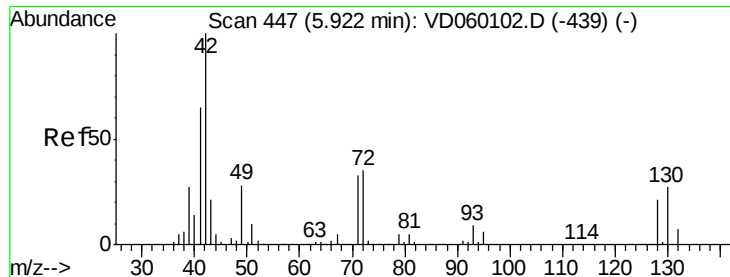


#28

Bromochloromethane
Concen: 21.915 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	68.9	53.9	80.9	





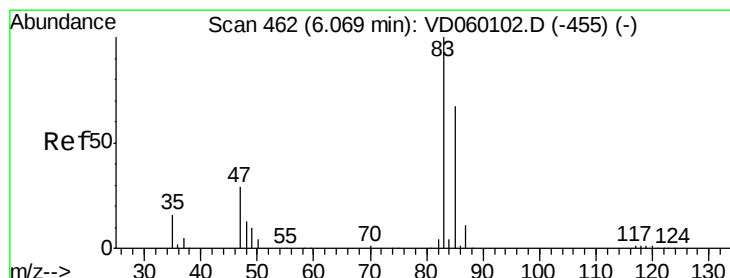
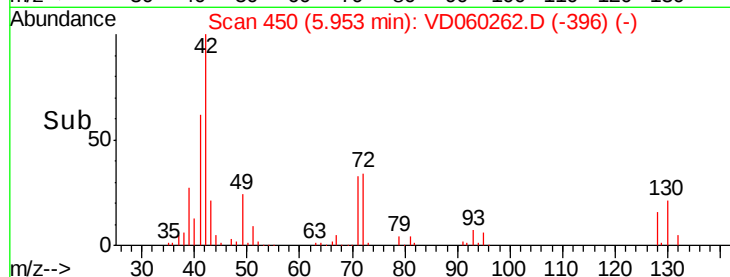
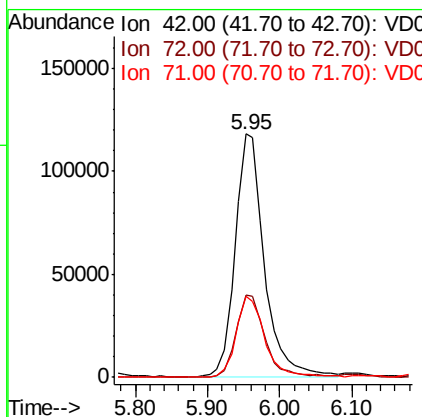
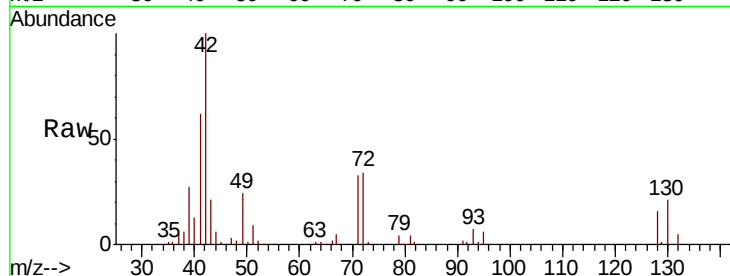
#29
Tetrahydrofuran
Concen: 119.638 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	26.9	40.3
71	32.3	26.7	40.1

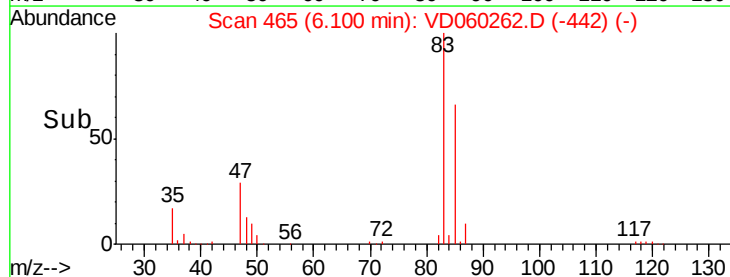
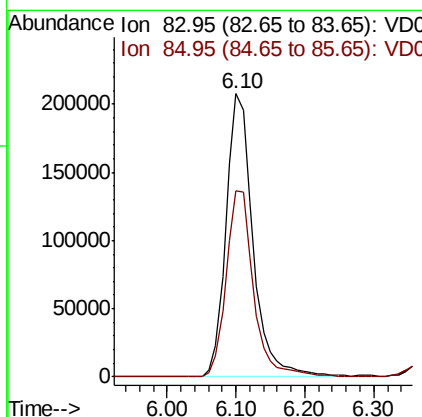
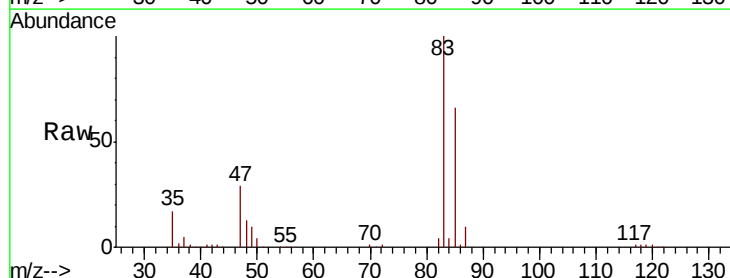
Manual Integrations
APPROVED

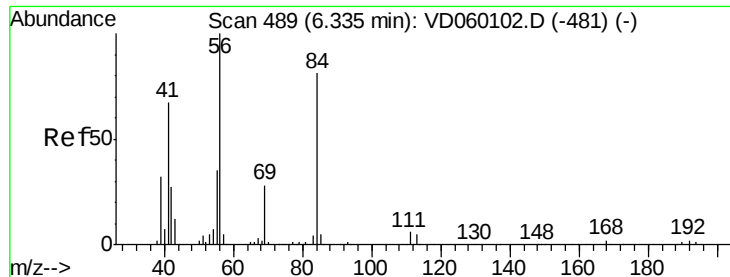
apatel
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#30
Chloroform
Concen: 23.067 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.8	80.8





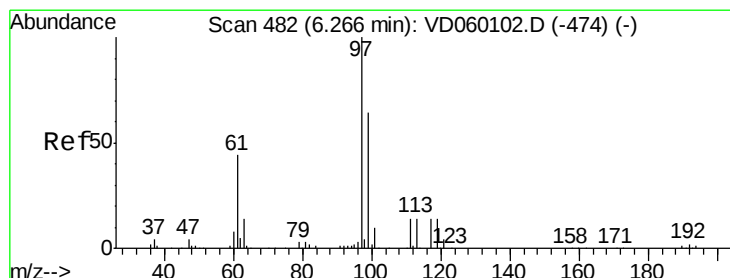
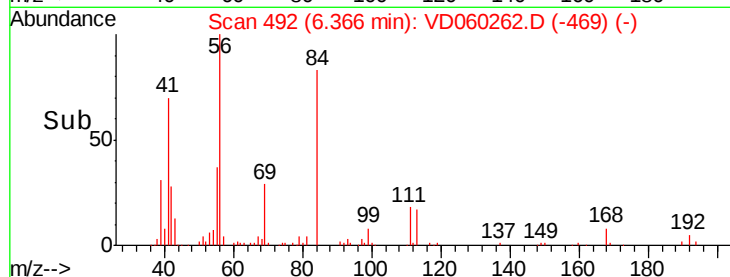
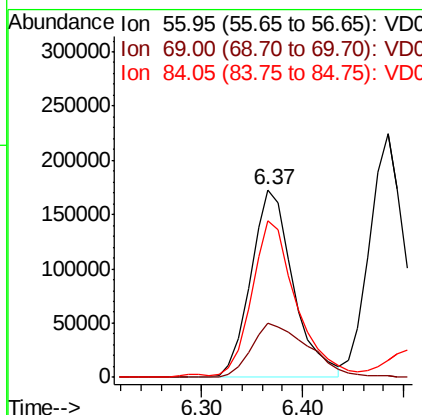
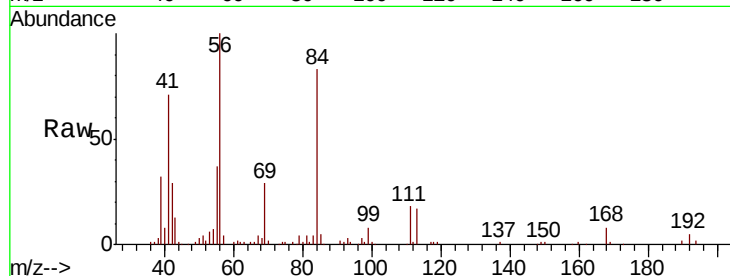
#31
Cvclohexane
Concen: 21.849 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.8	34.2
84	83.3	64.9	97.3

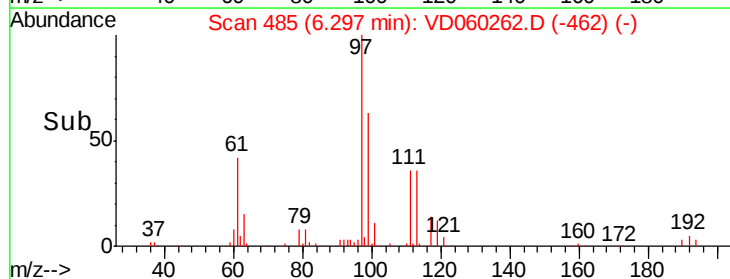
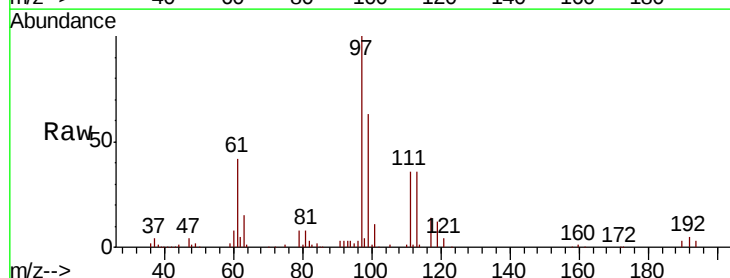
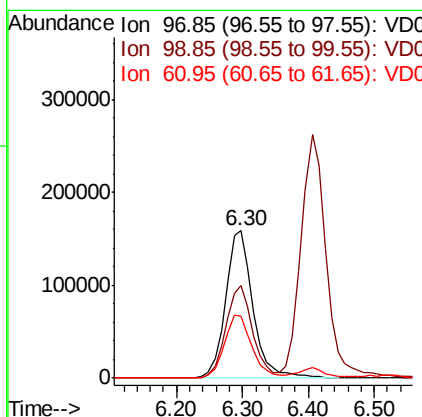
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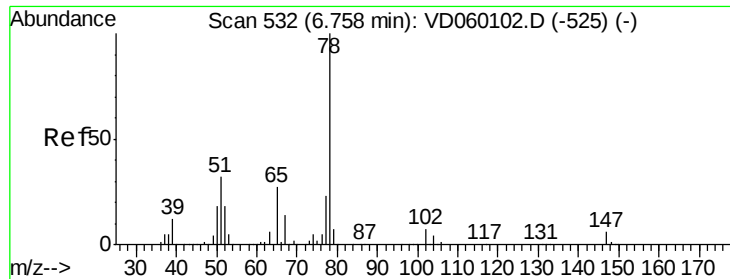
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#32
1,1,1-Trichloroethane
Concen: 23.026 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.0
61	42.3	35.5	53.3





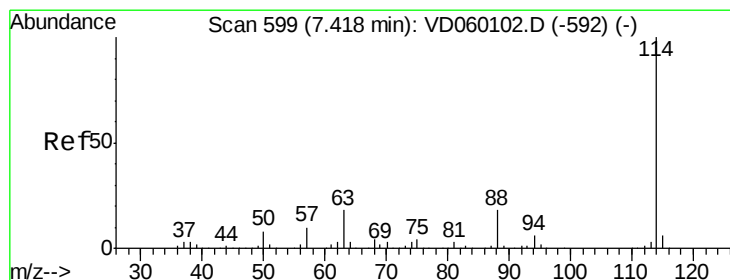
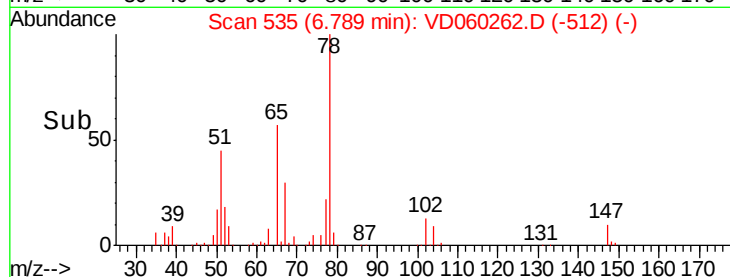
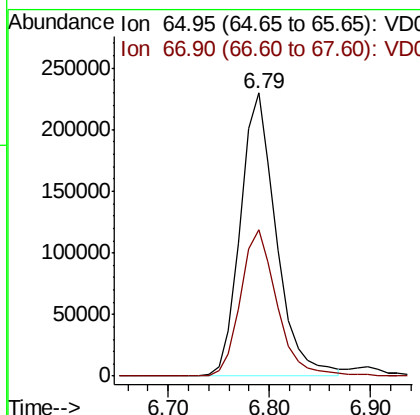
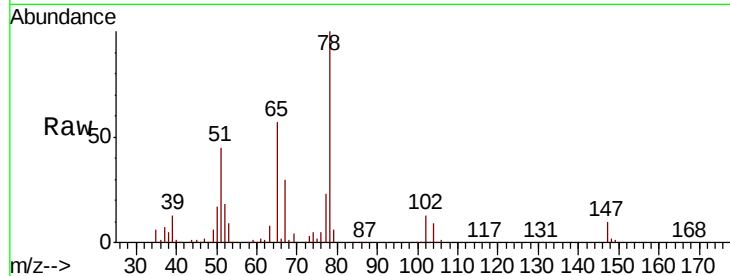
#33
 1,2-Dichloroethane-d4
 Concen: 23.026 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion: 65 Resp: 567687
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2

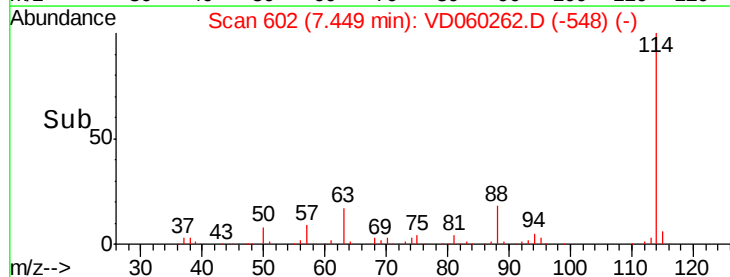
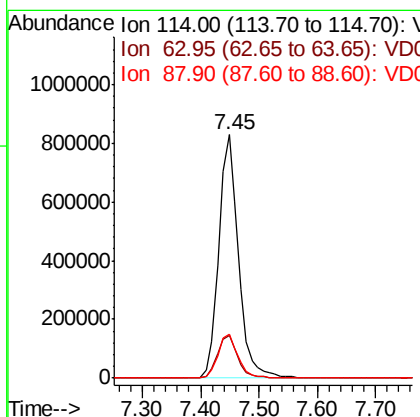
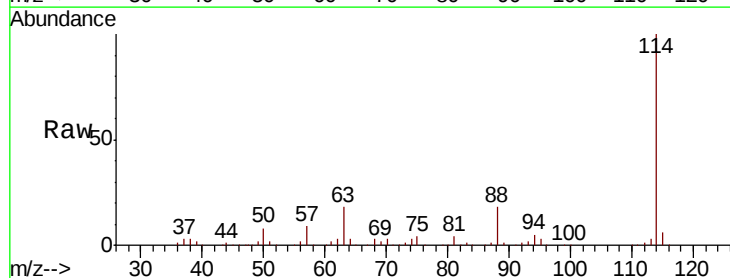
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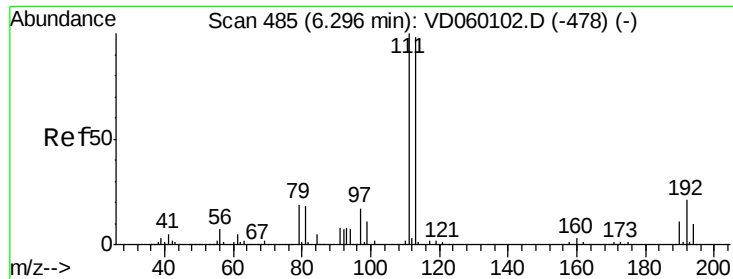
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion: 114 Resp: 1940638
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 18.0 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

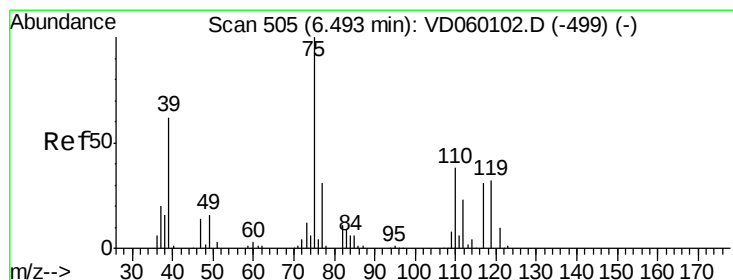
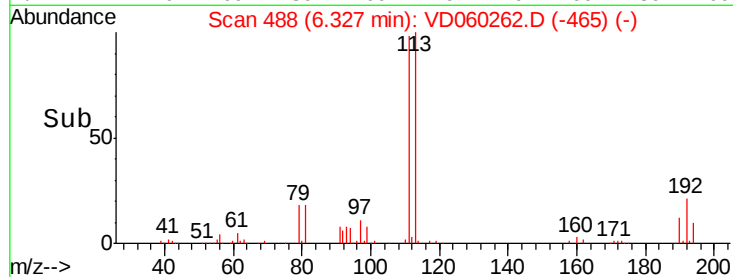
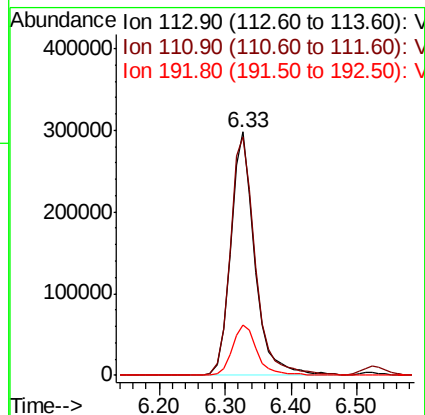
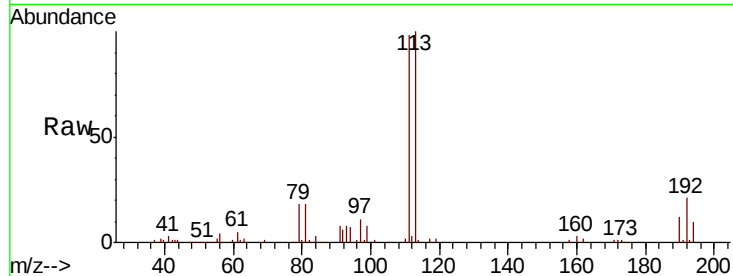
ClientSampleId :

VD1101SBSD01

Tot Ion:	113	Resp:	759268
Ion Ratio	Lower	Upper	
113	100		
111	98.0	81.5	122.3
192	20.8	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 23.057 ug/l

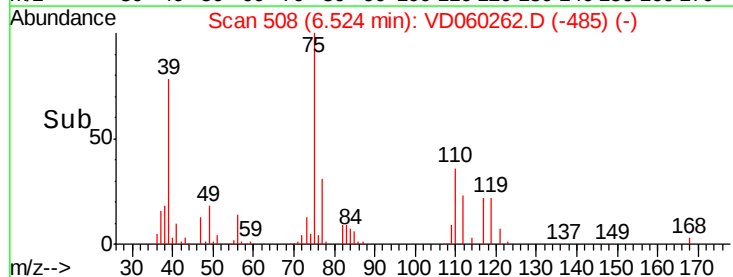
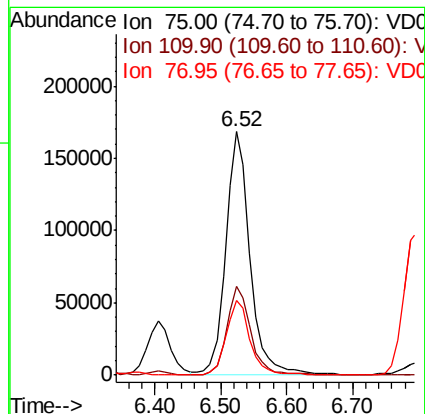
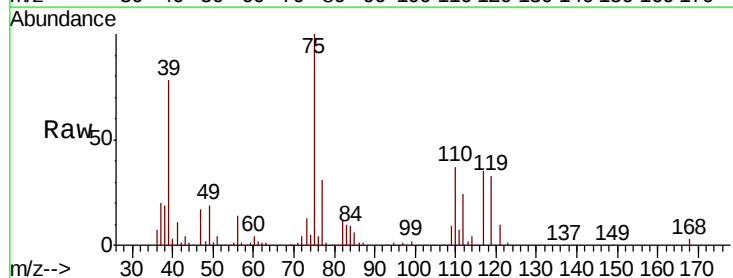
RT: 6.52 min Scan# 508

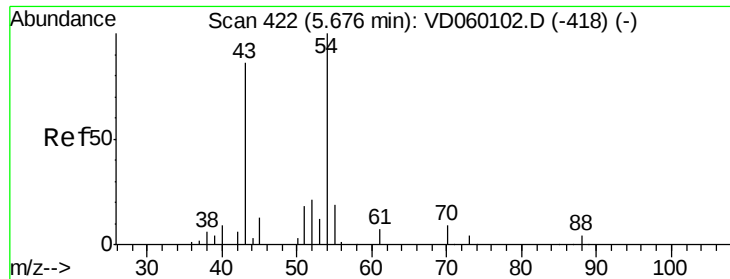
Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Tgt Ion:	75	Resp:	427572
Ion Ratio	Lower	Upper	
75	100		
110	36.5	19.0	57.0
77	30.6	24.9	37.3





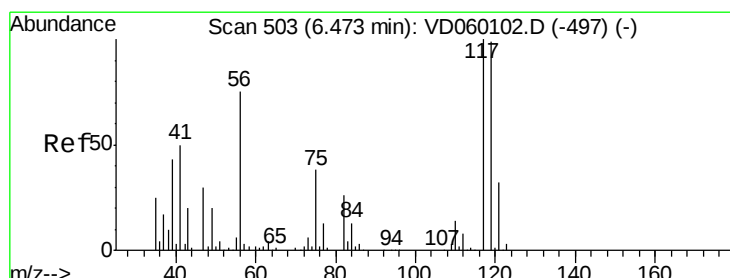
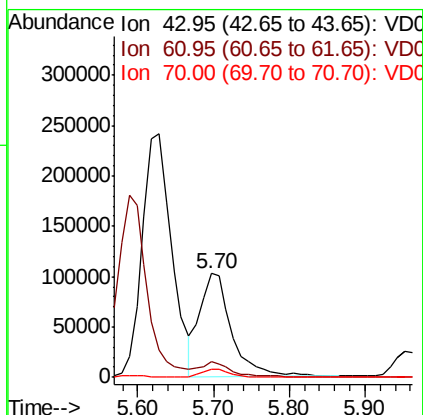
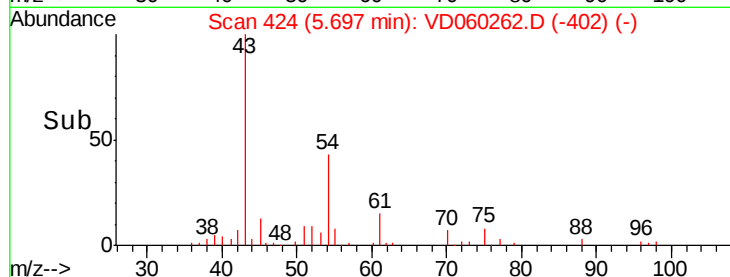
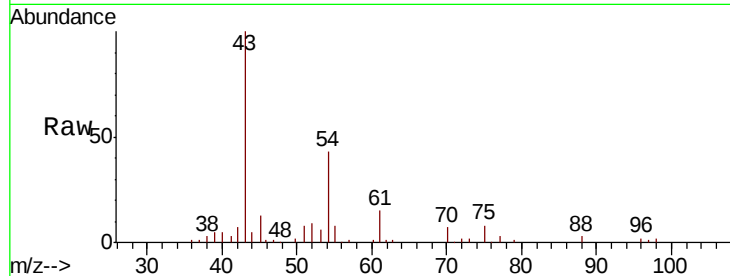
#37
Ethyl Acetate
Concen: 24.192 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.5	15.7
70	7.3	6.3	9.5

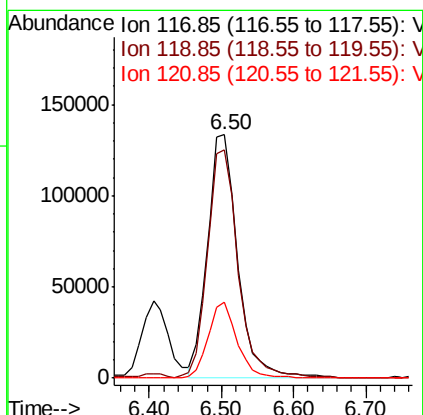
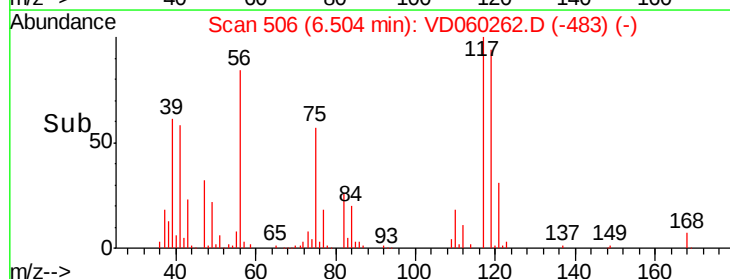
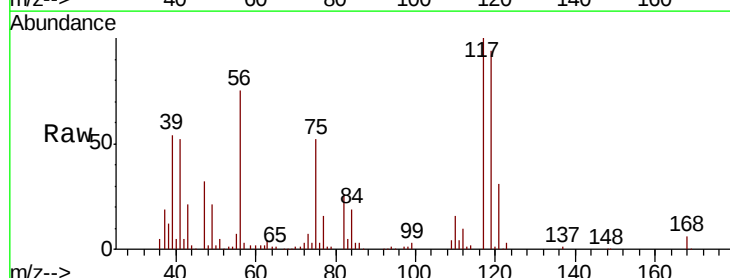
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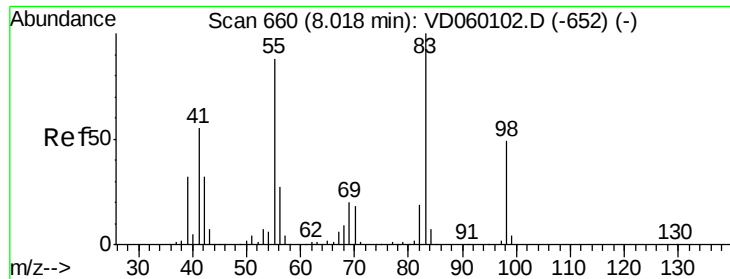
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#38
Carbon Tetrachloride
Concen: 22.576 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.8	116.6
121	31.3	24.8	37.2





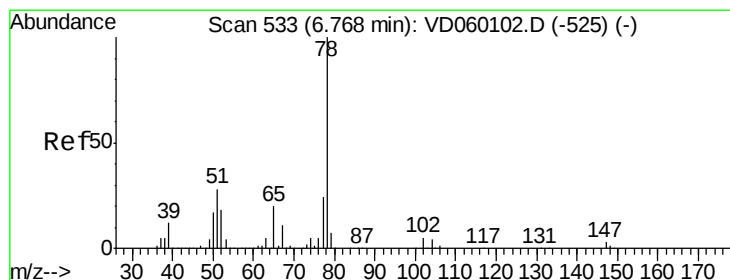
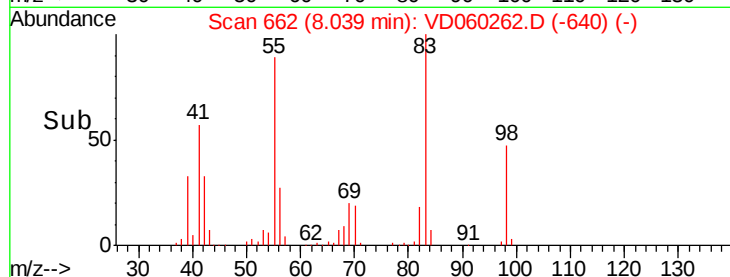
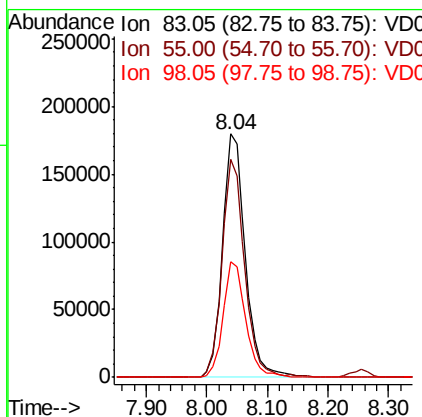
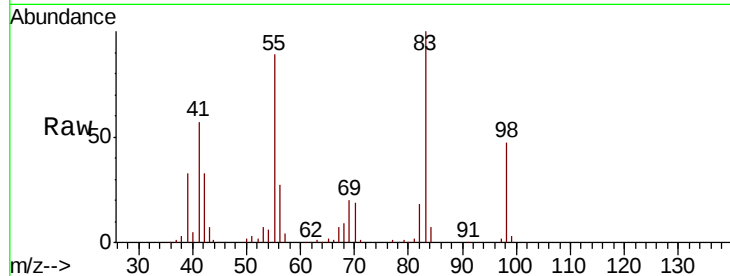
#39
Methvlcvclohexane
Concen: 22.292 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	70.5	105.7
98	47.5	39.4	59.2

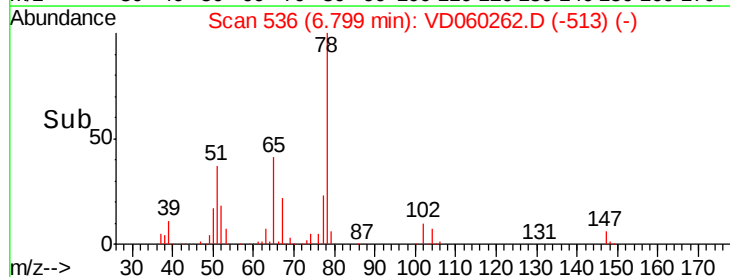
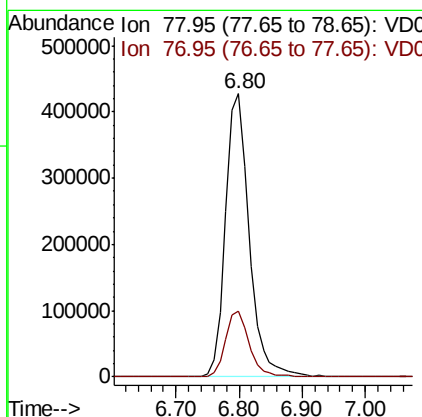
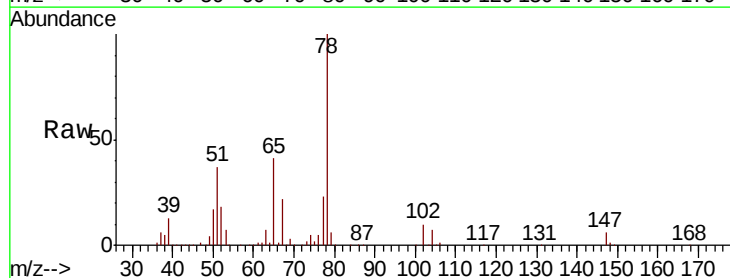
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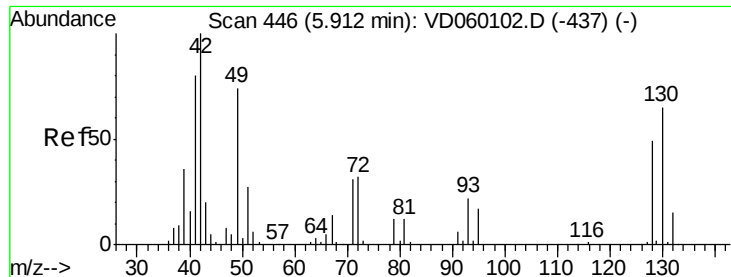
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#40
Benzene
Concen: 23.021 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 19.726 ug/l m

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 41 Resp: 137239

Ion Ratio Lower Upper

41 100

39 50.4 36.0 54.0

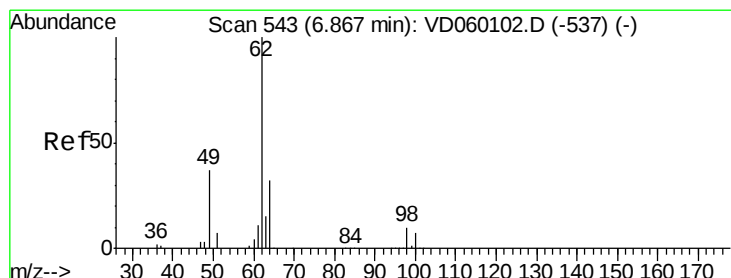
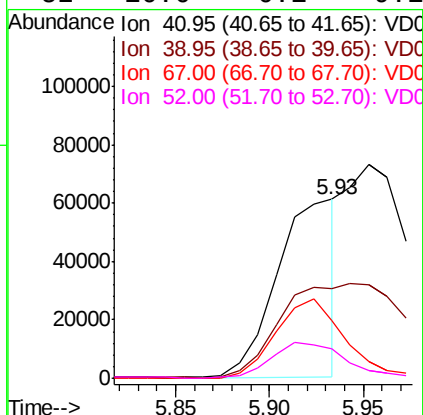
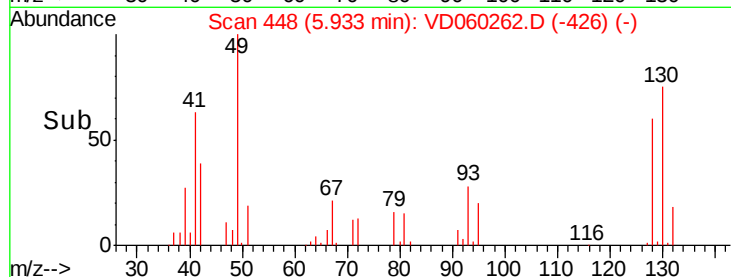
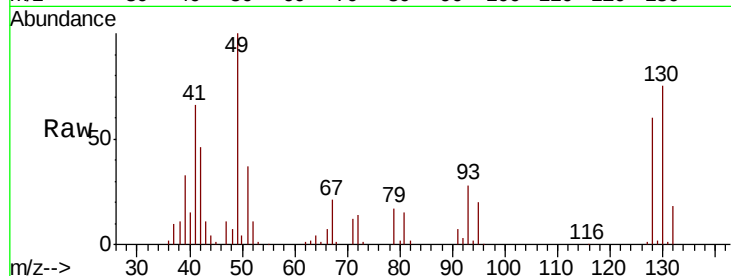
67 32.0 13.9 20.9#

52 16.6 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.595 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060262.D

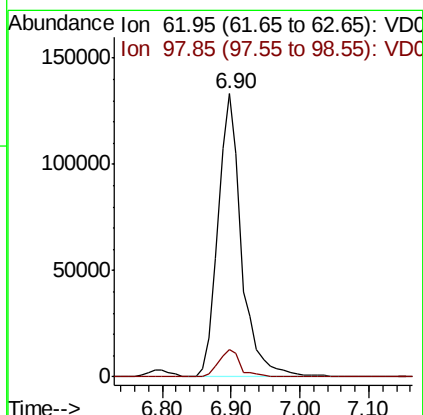
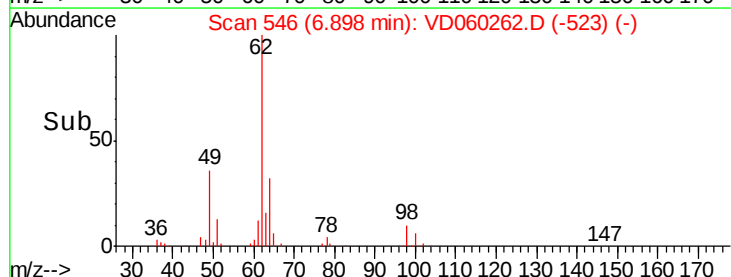
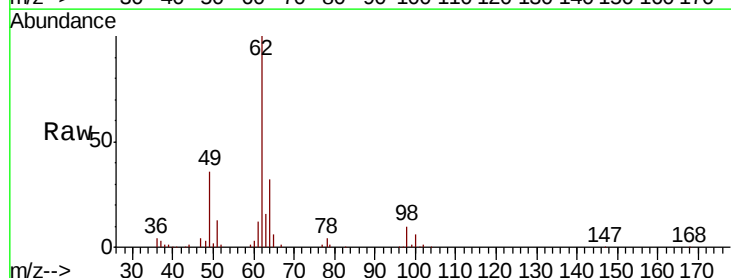
Acq: 1 Nov 2018 15:10

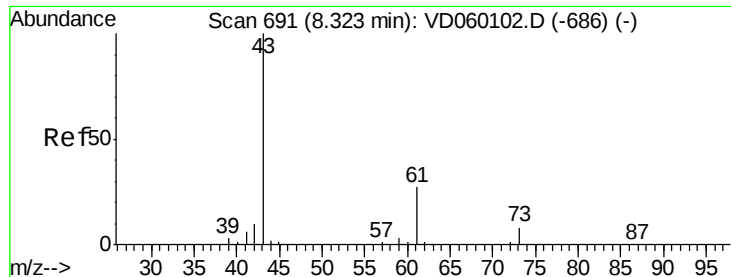
Tgt Ion: 62 Resp: 314281

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.6





#43

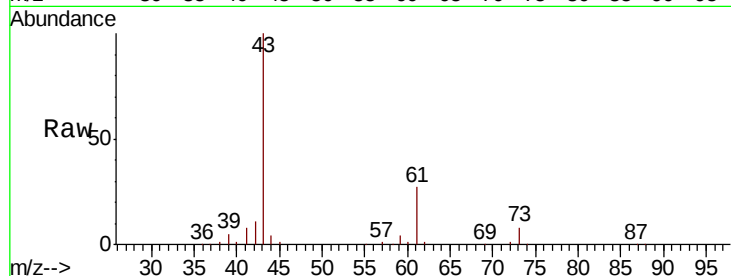
Isopropyl Acetate
 Concen: 23.066 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1101SBS01

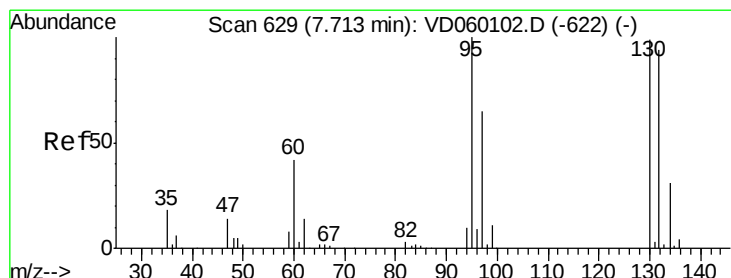
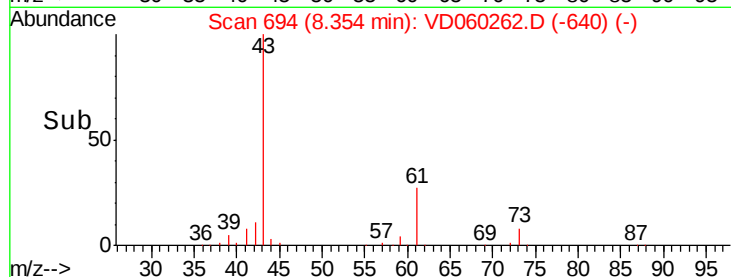
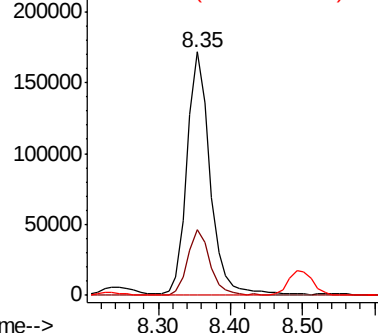
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.4	32.2
87	0.3	0.2	0.2

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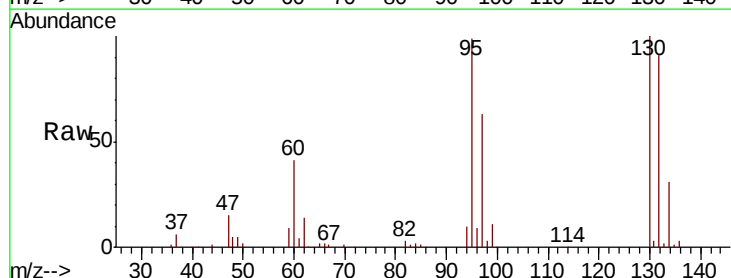
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



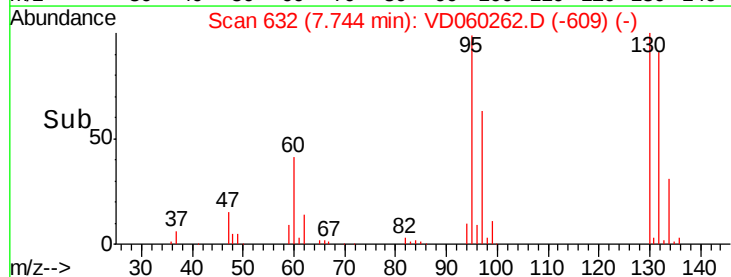
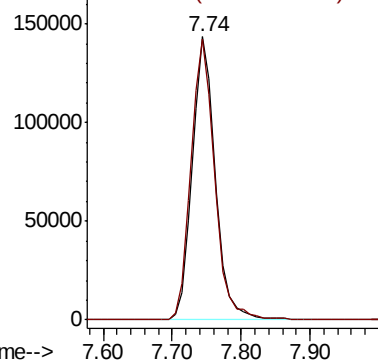
#44

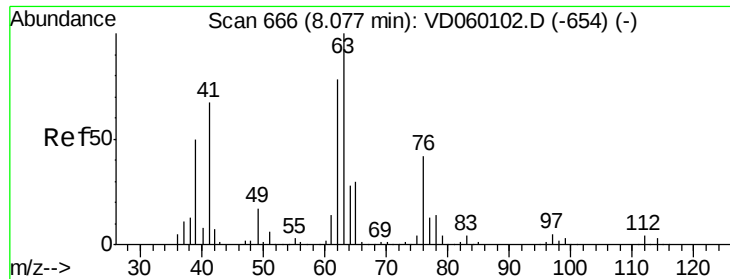
Trichloroethene
 Concen: 22.095 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	202.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC





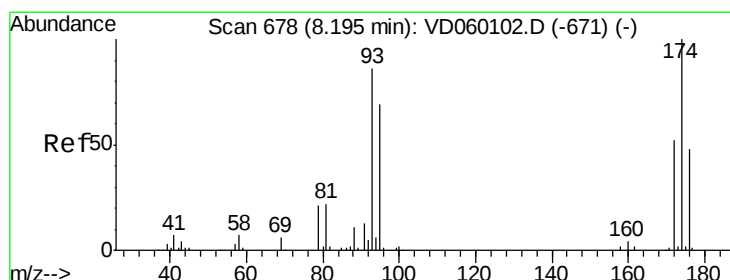
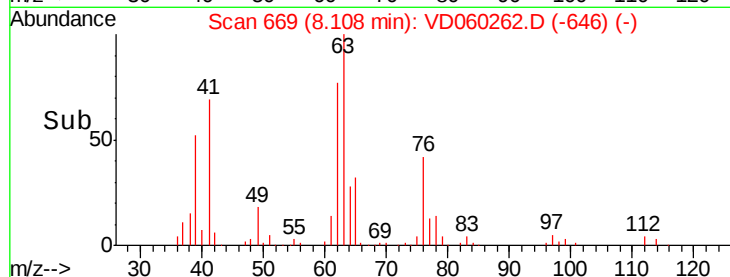
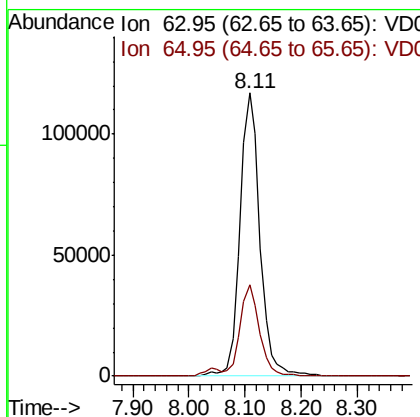
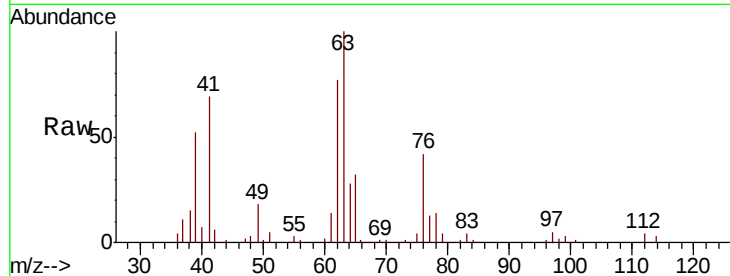
#45
 1,2-Dichloropropane
 Concen: 22.696 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tot Ion: 63 Resp: 288317
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.1 36.1

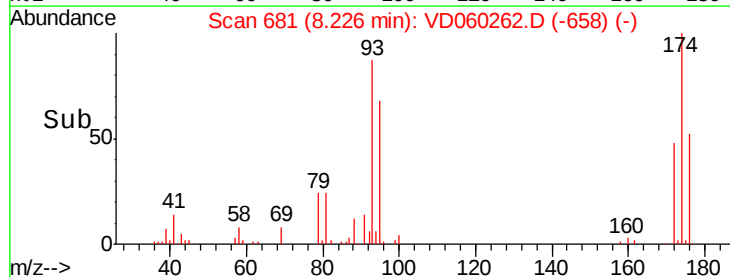
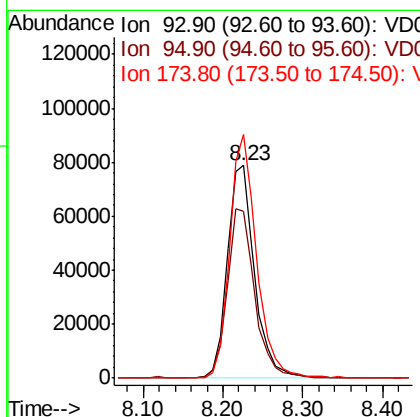
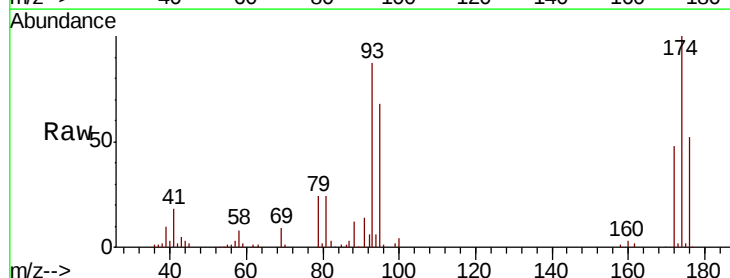
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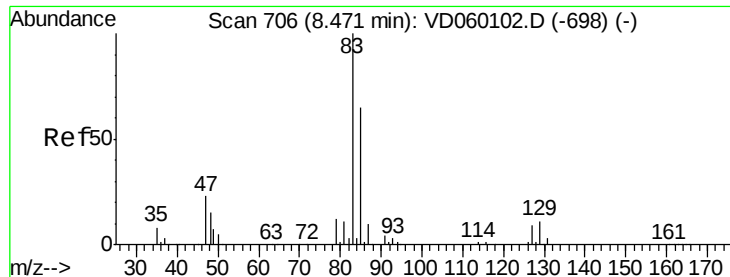
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#46
 Dibromomethane
 Concen: 22.883 ug/l
 RT: 8.23 min Scan# 681
 Delta R.T. 0.03 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion: 93 Resp: 188196
 Ion Ratio Lower Upper
 93 100
 95 78.4 63.8 95.6
 174 114.5 92.9 139.3





#47

Bromodichloromethane

Concen: 23.144 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

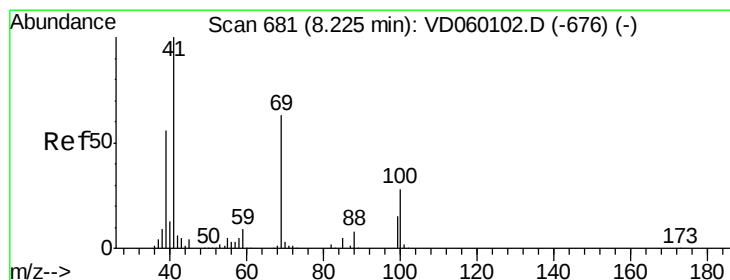
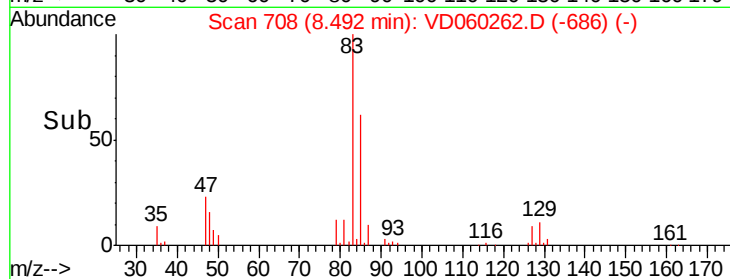
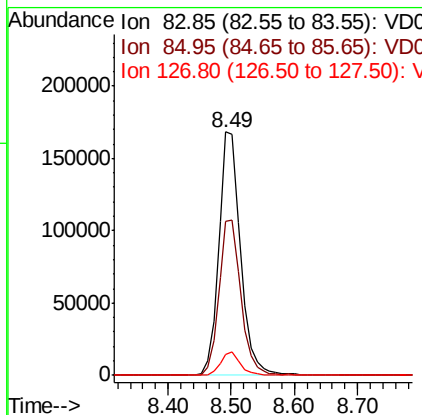
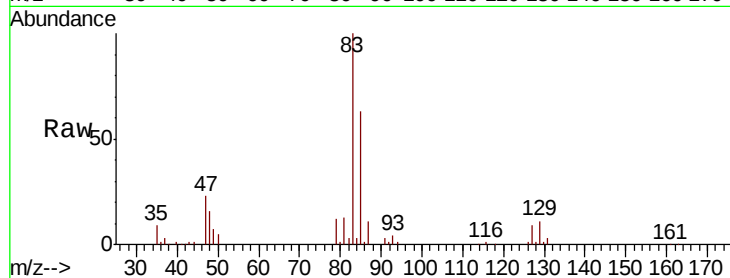
ClientSampleId :

VD1101SBSD01

Tot Ion:	83	Resp:	405575
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2
127	8.8	7.4	11.0

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#48

Methyl methacrylate

Concen: 22.309 ug/l

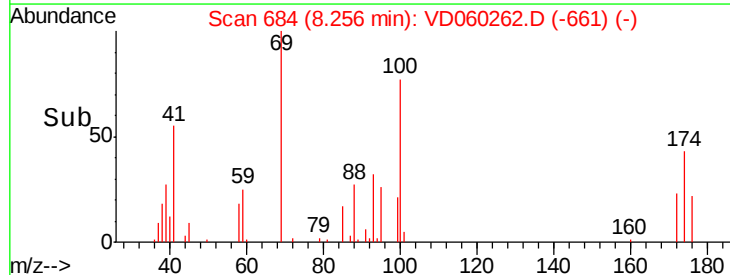
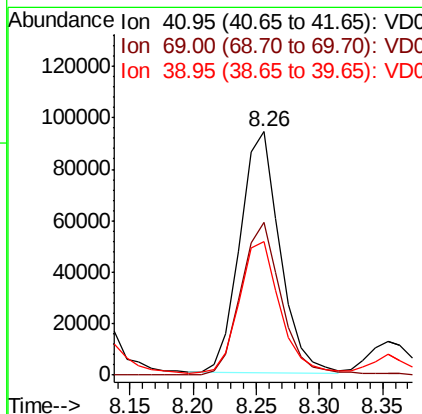
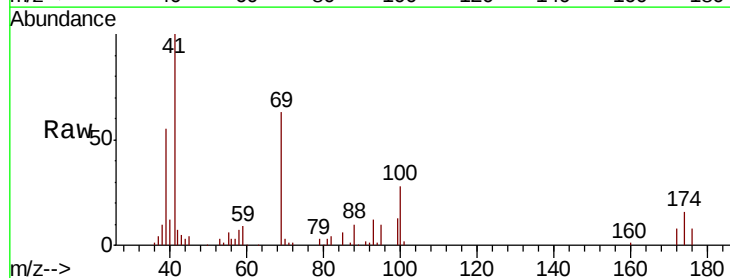
RT: 8.26 min Scan# 684

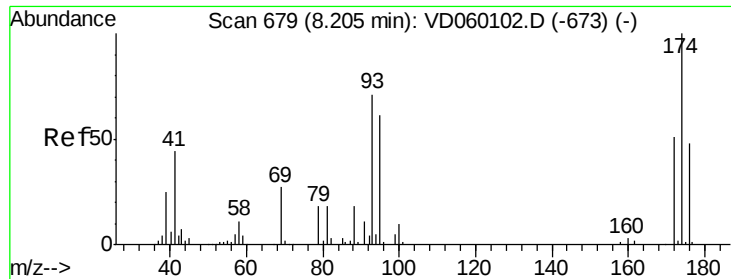
Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Tgt Ion:	41	Resp:	205789
Ion	Ratio	Lower	Upper
41	100		
69	62.7	49.7	74.5
39	55.1	45.2	67.8





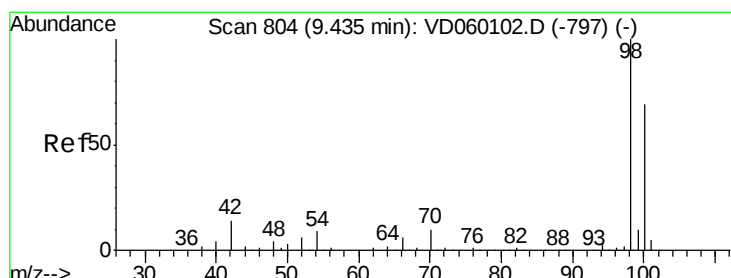
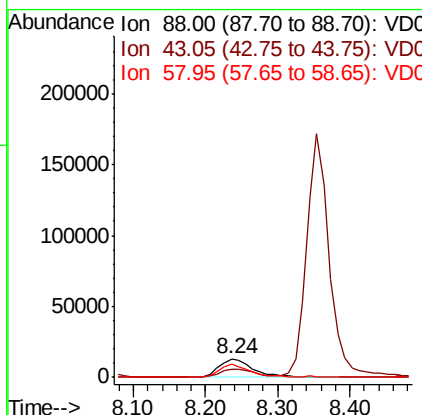
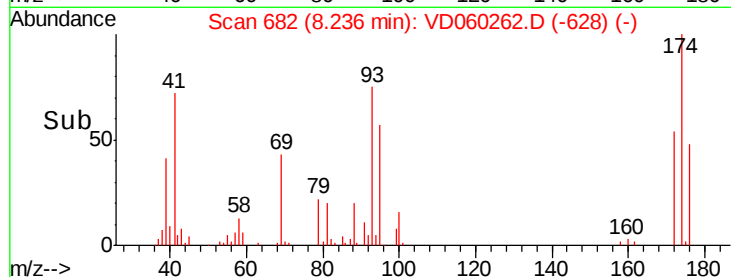
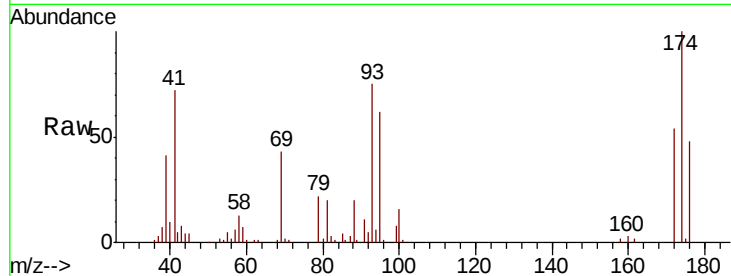
#49
1,4-Dioxane
Concen: 466.008 ug/l
RT: 8.24 min Scan# 682
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	33.7	50.5
58	67.1	49.1	73.7

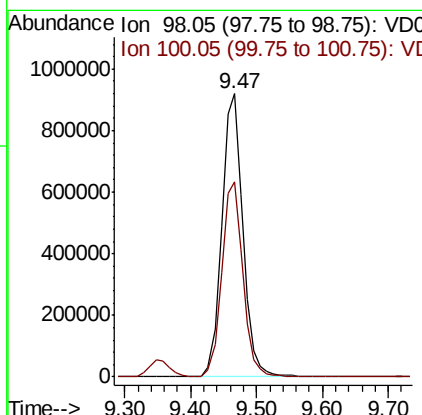
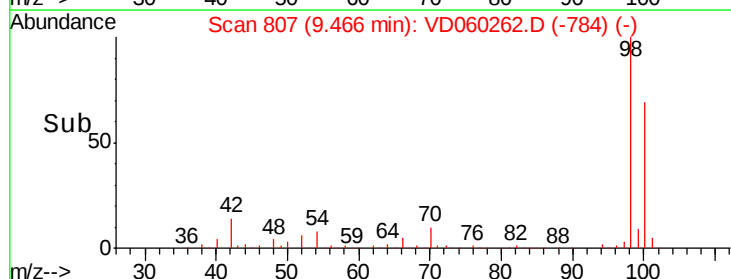
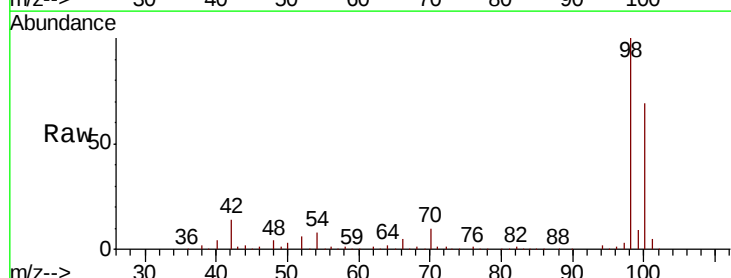
Manual Integrations
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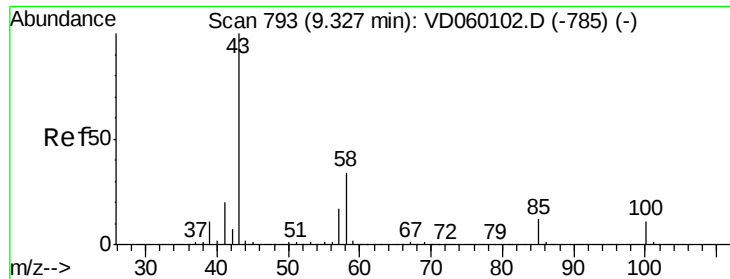
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#50
Toluene-d8
Concen: 466.008 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.0	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 119.961 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 43 Resp: 1225284

Ion Ratio Lower Upper

43 100

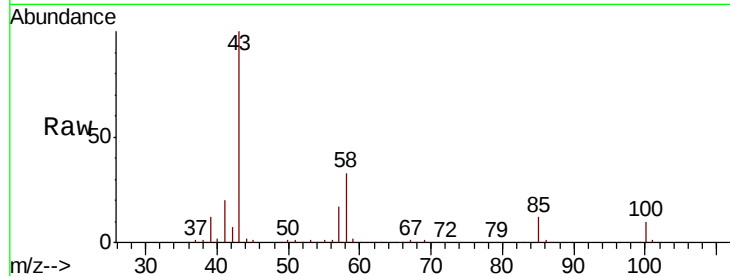
58 33.3 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

600000

500000

400000

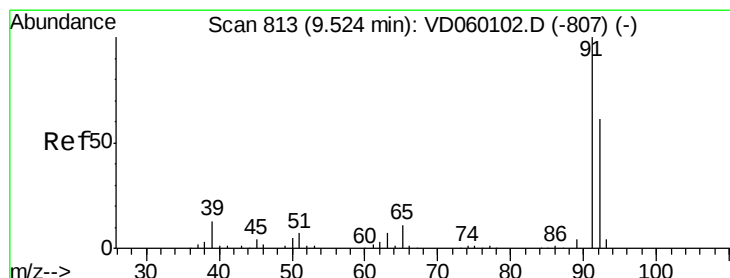
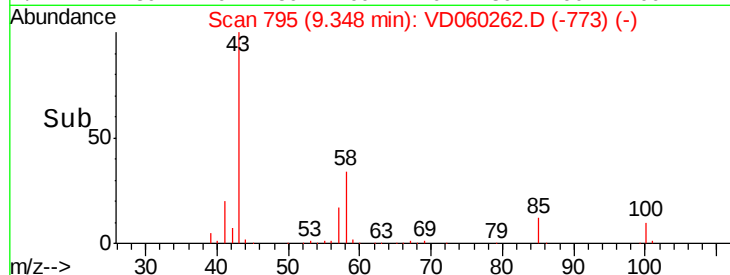
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 22.482 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060262.D

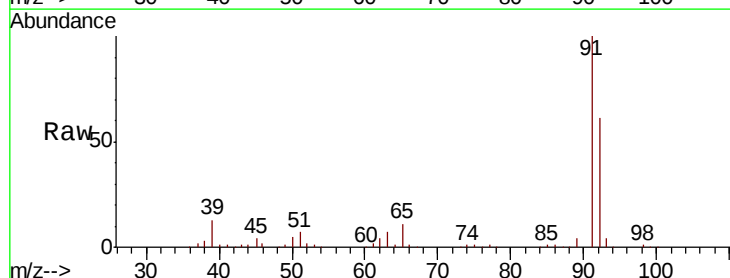
Acq: 1 Nov 2018 15:10

Tgt Ion: 92 Resp: 702471

Ion Ratio Lower Upper

92 100

91 163.9 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

600000

500000

400000

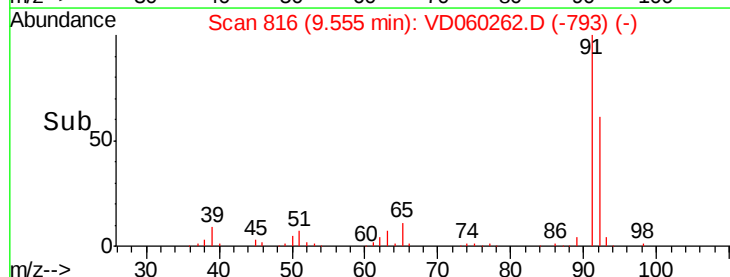
300000

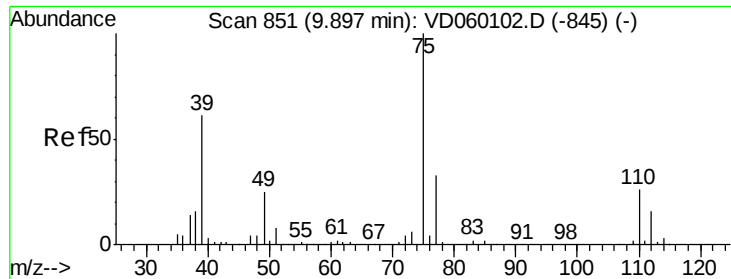
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 23.007 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 75 Resp: 364809

Ion Ratio Lower Upper

75 100

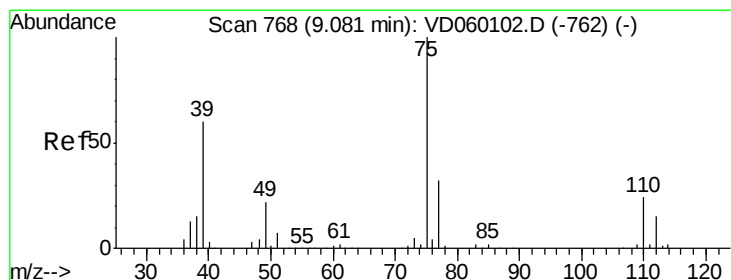
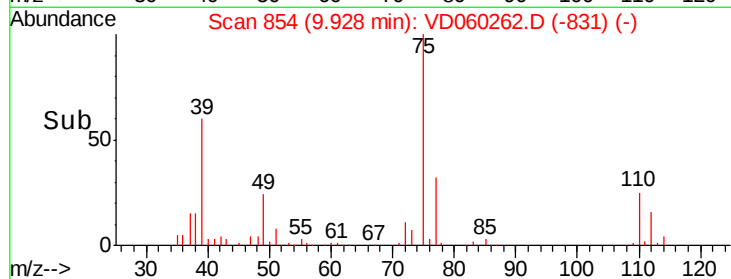
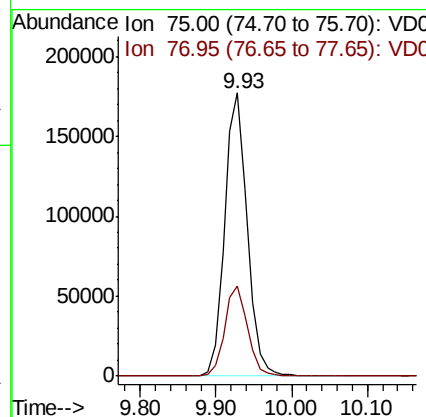
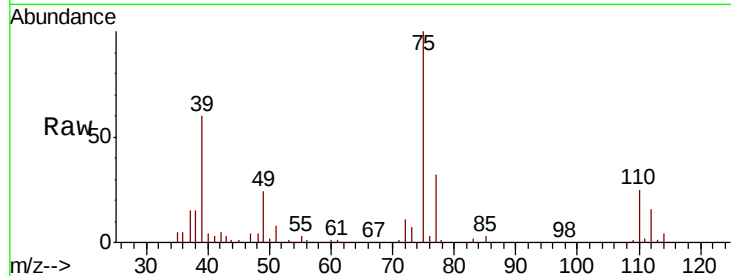
77 32.0 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 22.816 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.03 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

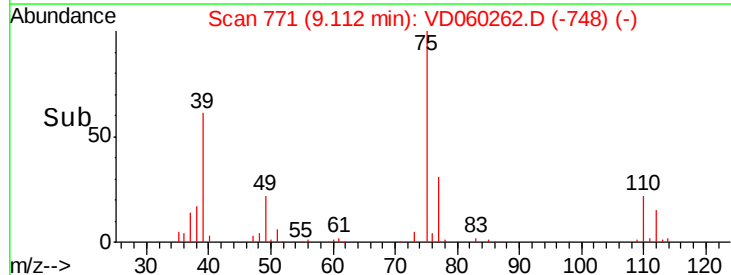
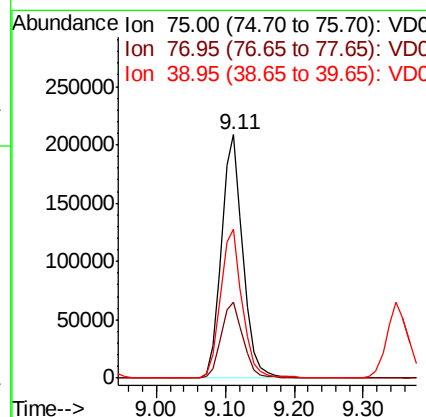
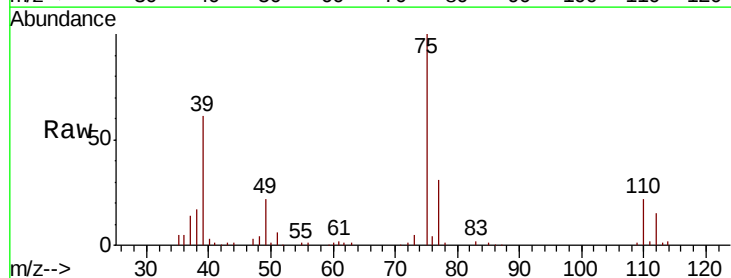
Tgt Ion: 75 Resp: 446746

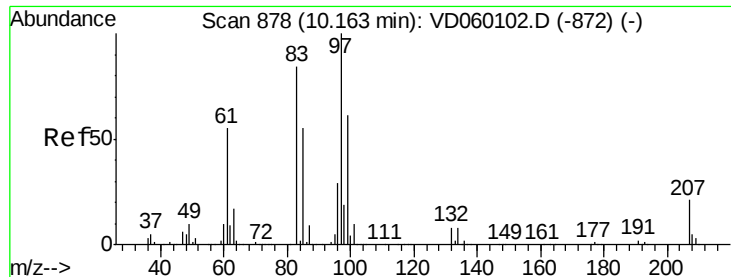
Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

39 61.1 48.2 72.4





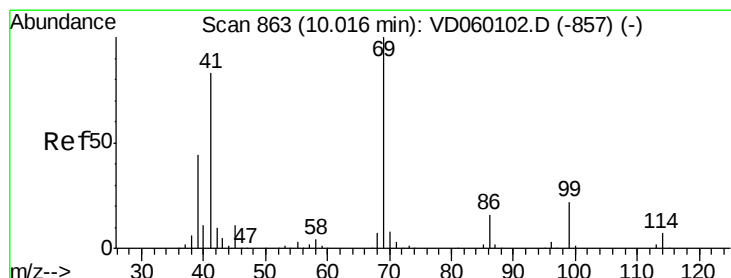
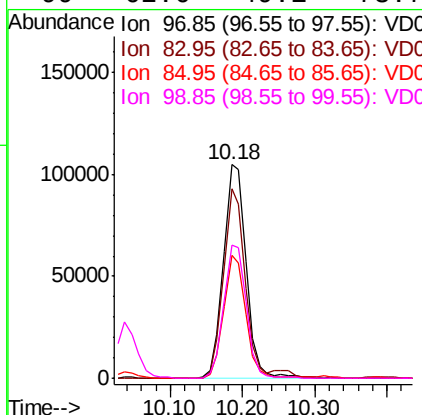
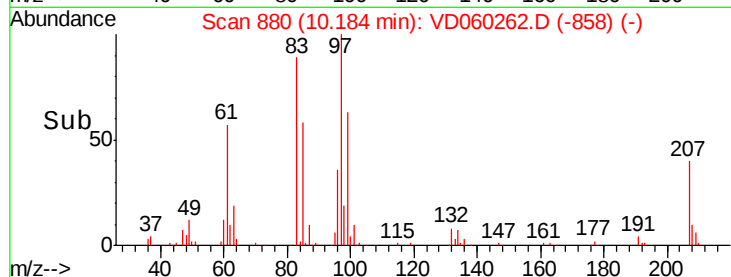
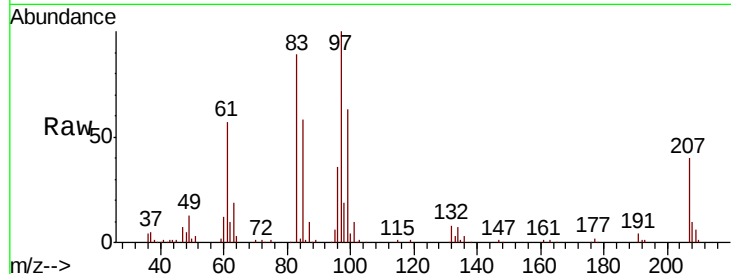
#55
 1,1,2-Trichloroethane
 Concen: 22.398 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	88.9	67.0	100.6		
85	57.7	43.9	65.9		
99	62.6	49.1	73.7		

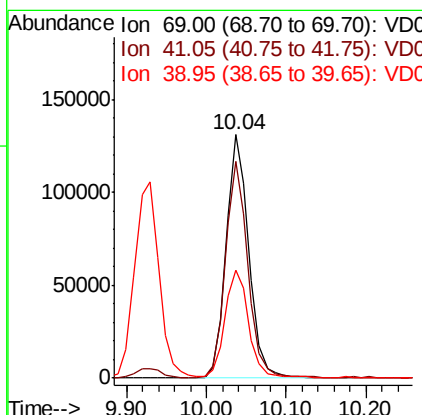
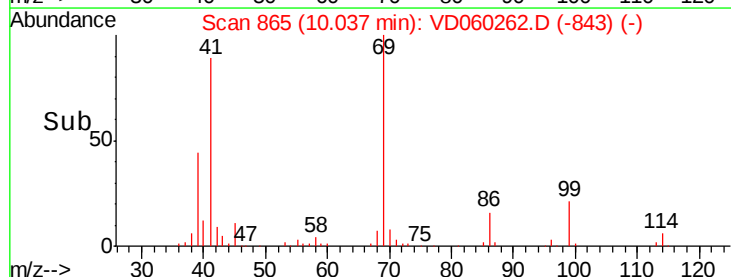
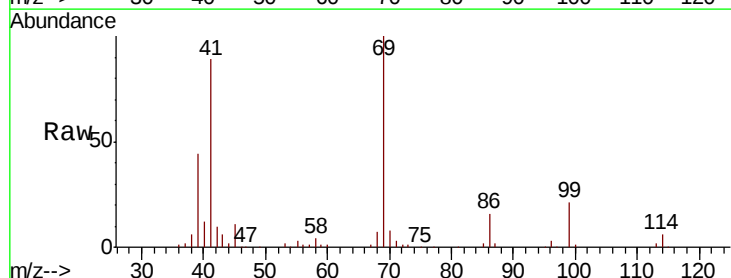
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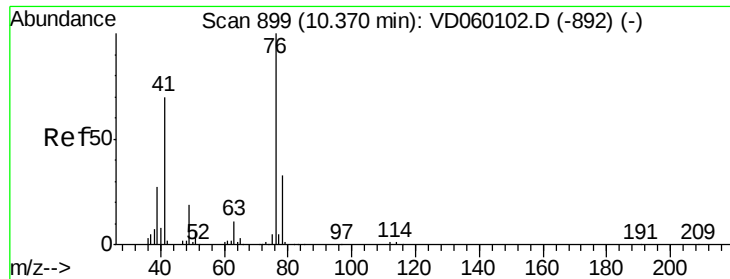
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#56
 Ethyl methacrylate
 Concen: 23.305 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	88.9	66.6	100.0		
39	44.3	36.0	54.0		





#57

1,3-Dichloropropane

Concen: 23.482 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 76 Resp: 365810

Ion Ratio Lower Upper

76 100

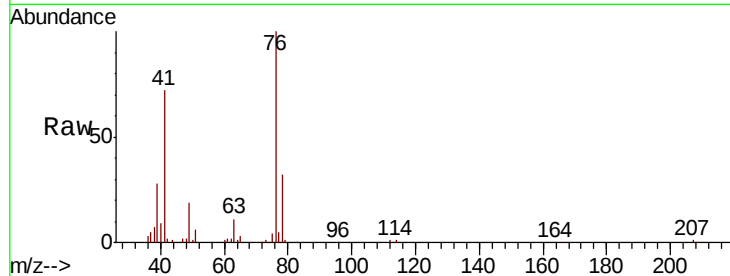
78 31.7 26.2 39.2

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

200000

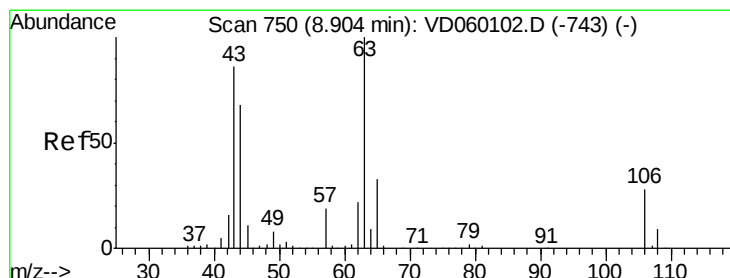
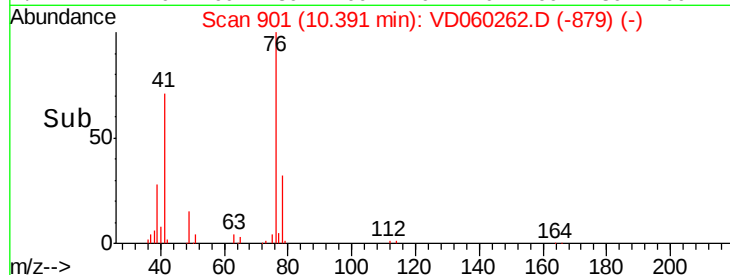
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 120.386 ug/l

RT: 8.92 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060262.D

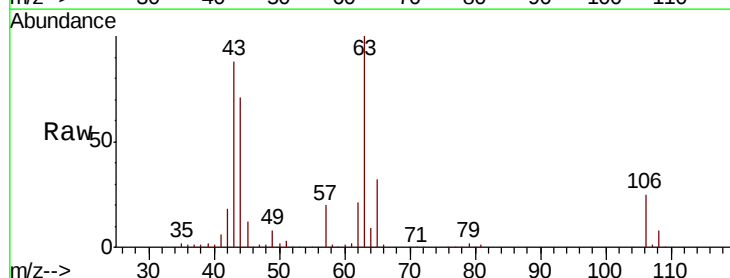
Acq: 1 Nov 2018 15:10

Tgt Ion: 63 Resp: 753783

Ion Ratio Lower Upper

63 100

106 25.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

400000

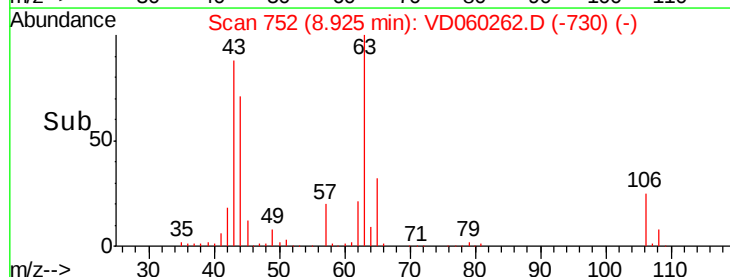
300000

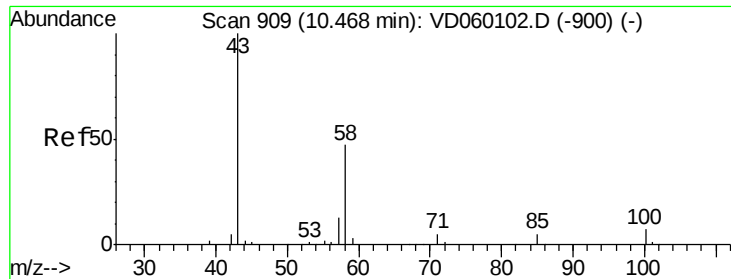
200000

100000

0

Time-->





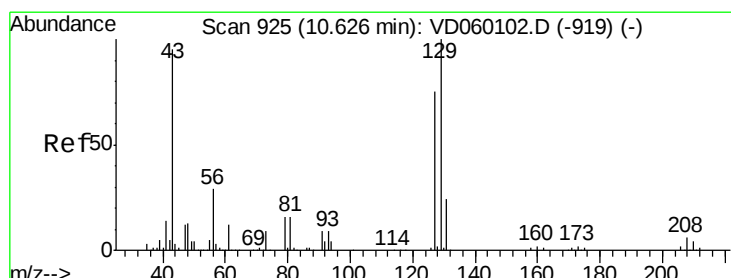
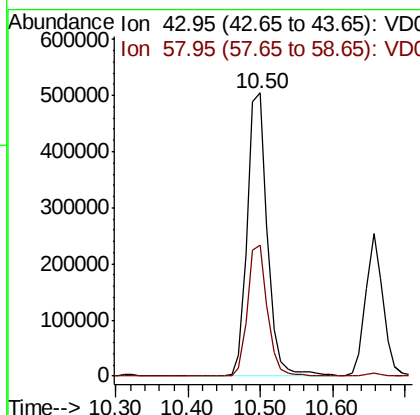
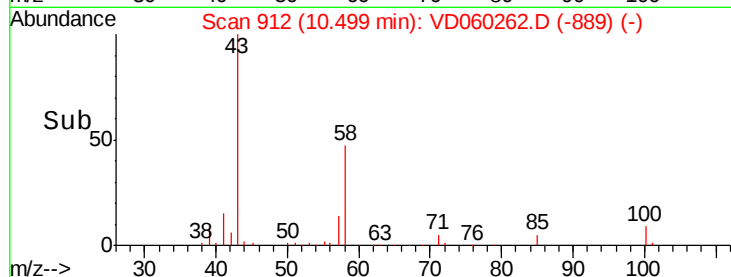
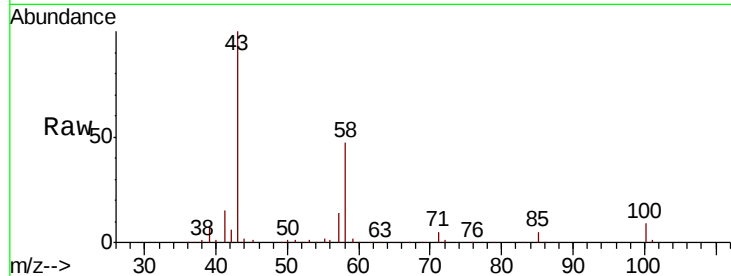
#59
2-Hexanone
Concen: 134.739 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 43 Resp: 989617
Ion Ratio Lower Upper
43 100
58 46.5 23.3 69.9

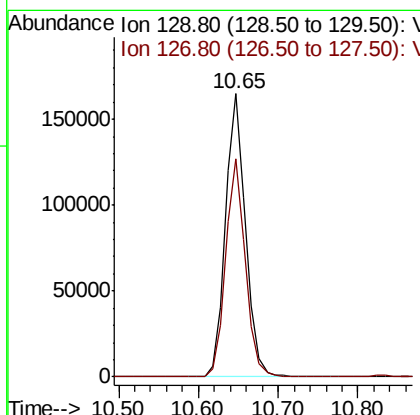
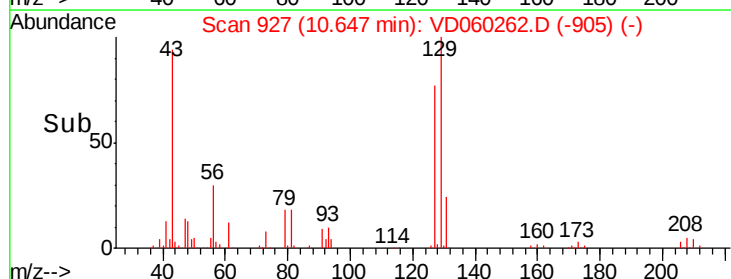
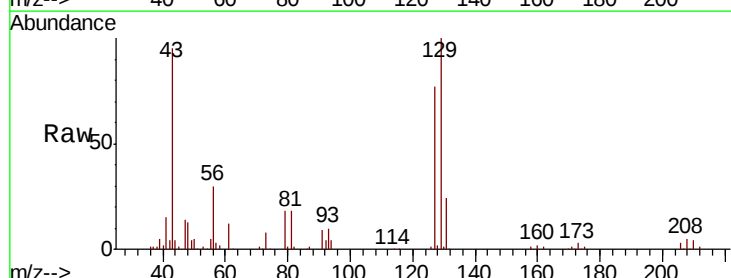
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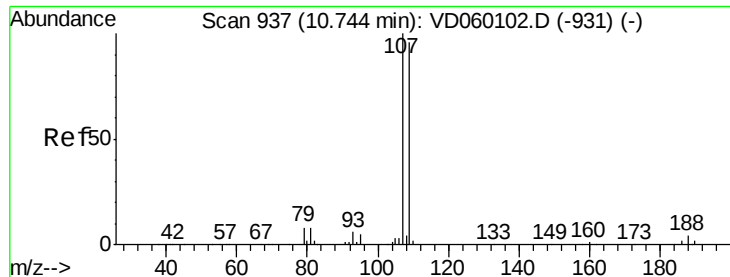
apatel
11/5/2018 1:21:16 PM



#60
Dibromochloromethane
Concen: 23.372 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion: 129 Resp: 292915
Ion Ratio Lower Upper
129 100
127 76.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 22.320 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion:107 Resp: 242240

Ion Ratio Lower Upper

107 100

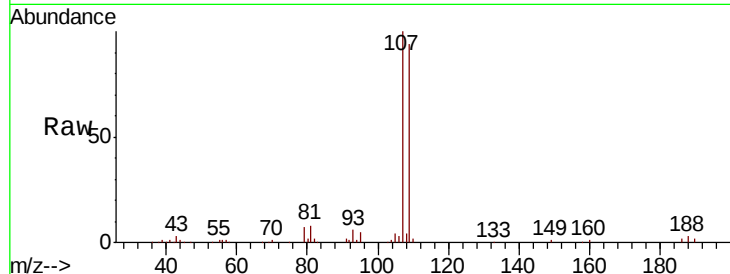
109 93.5 77.1 115.7

Manual Integrations

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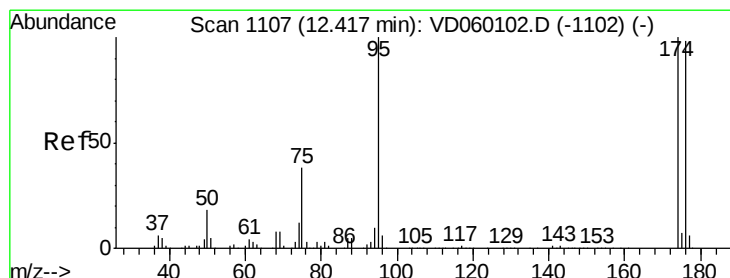
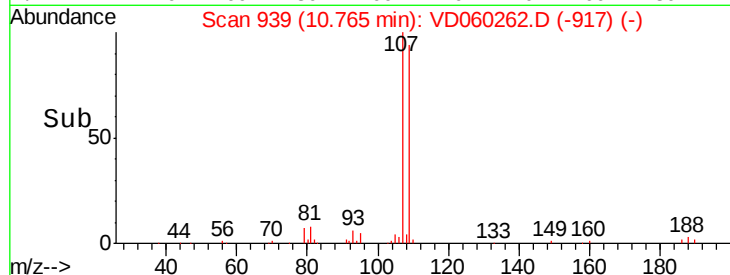
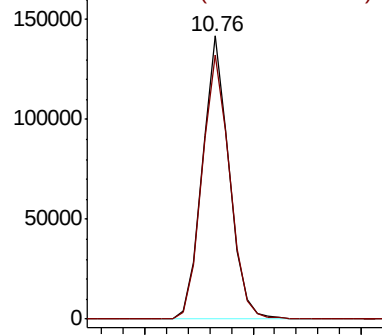
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.320 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

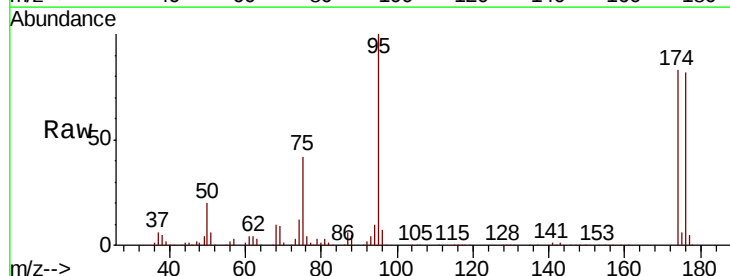
Tgt Ion: 95 Resp: 796956

Ion Ratio Lower Upper

95 100

174 83.0 0.0 200.2

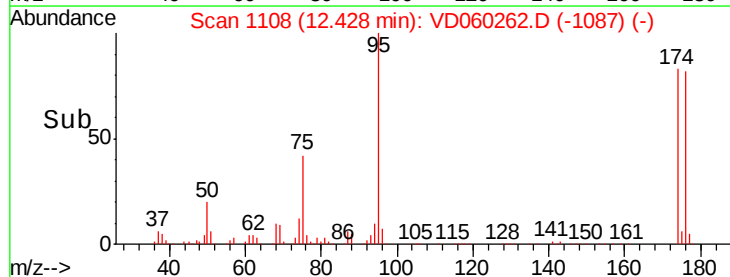
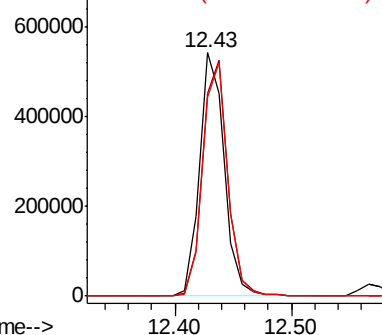
176 81.6 0.0 195.6

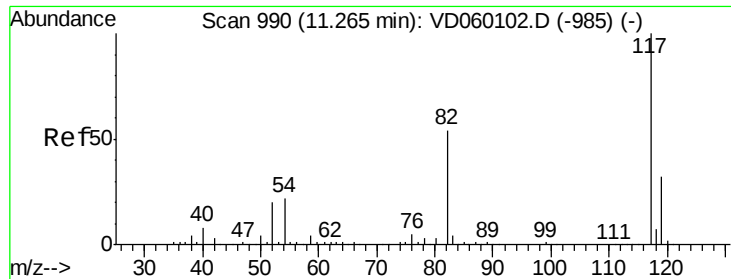


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





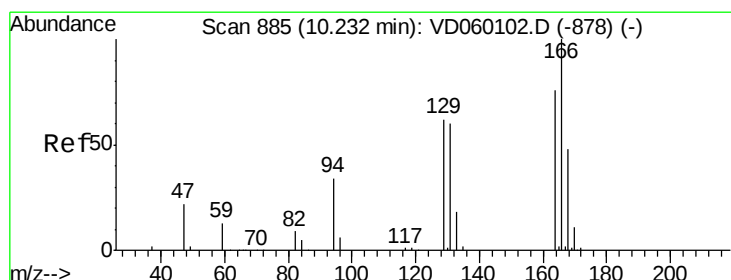
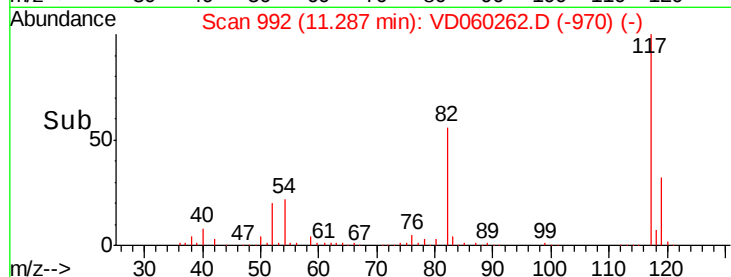
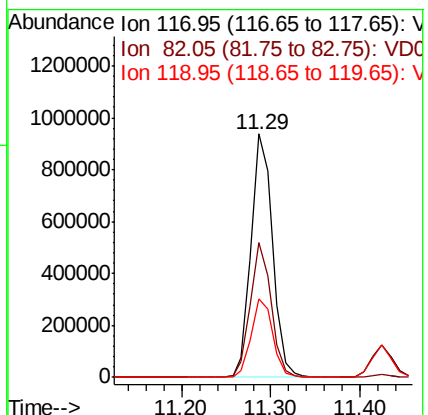
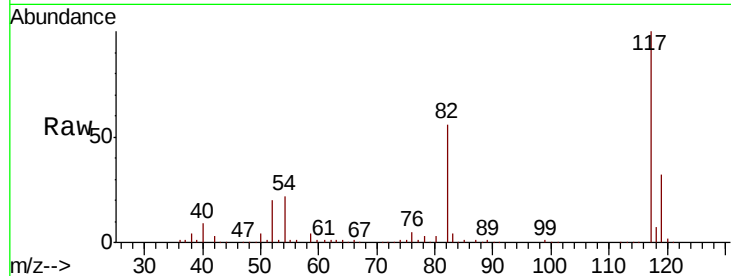
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tot Ion:117 Resp: 1556453
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.2
119 32.5 26.0 39.0

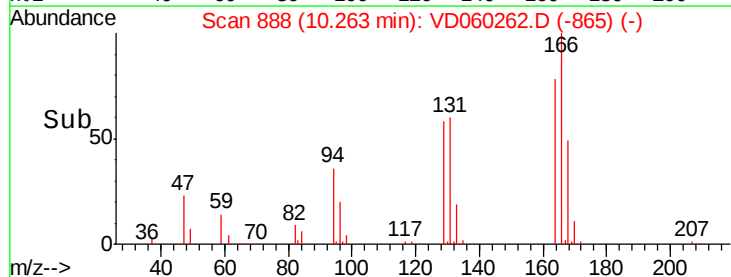
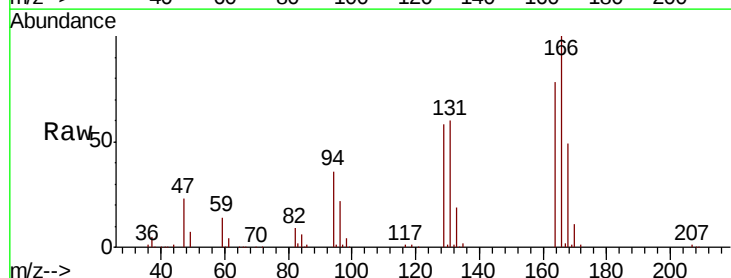
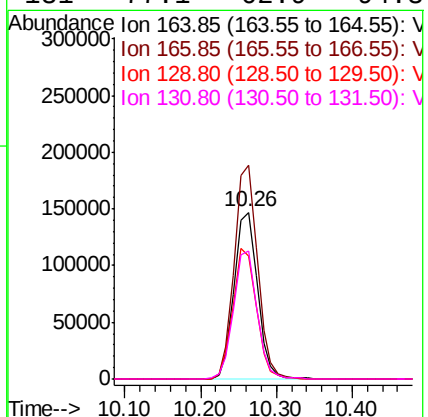
Manual Integrations
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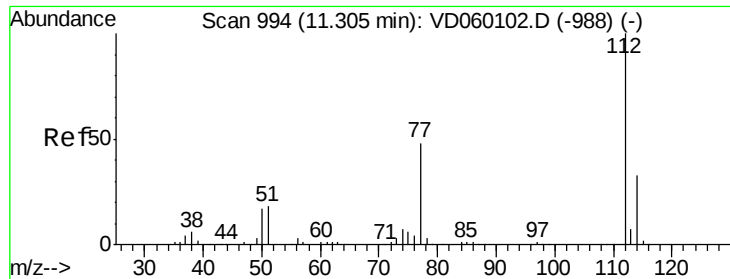
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#64
Tetrachloroethene
Concen: 22.966 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.03 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion:164 Resp: 313075
Ion Ratio Lower Upper
164 100
166 128.2 105.4 158.0
129 74.1 65.7 98.5
131 77.1 62.9 94.3





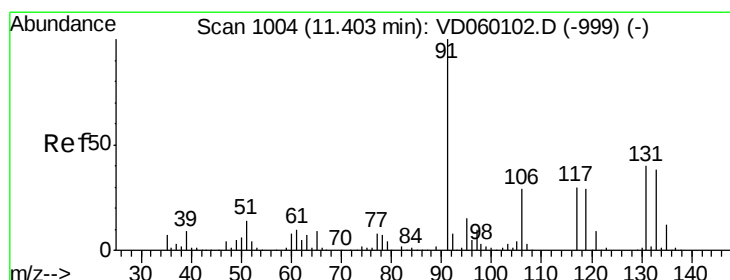
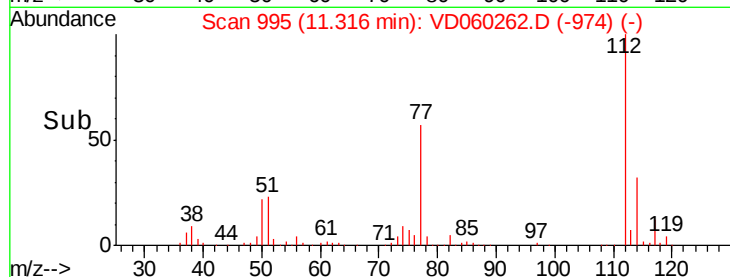
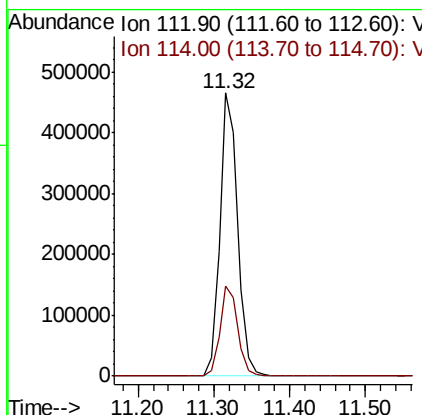
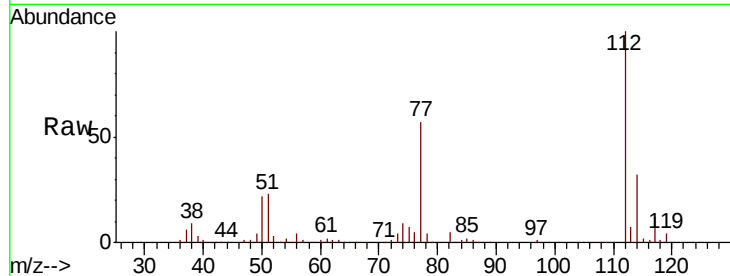
#65
Chlorobenzene
Concen: 22.708 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tot Ion:112 Resp: 764604
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0

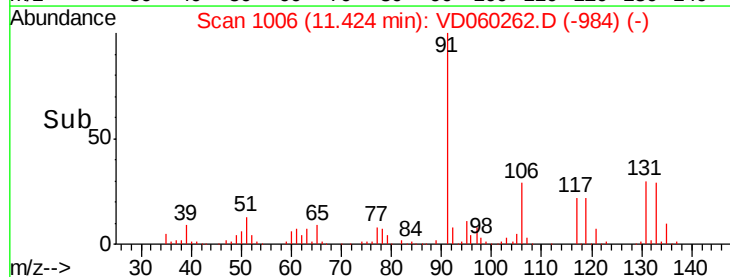
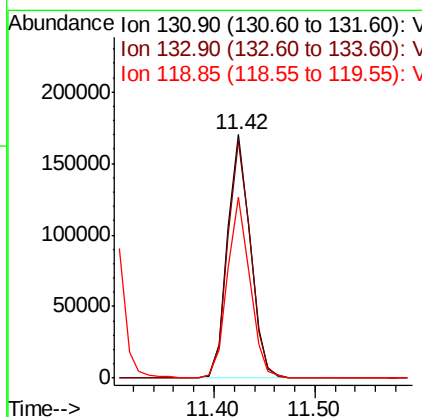
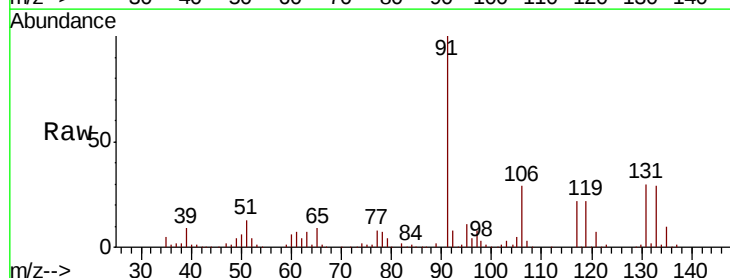
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.795 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion:131 Resp: 267284
Ion Ratio Lower Upper
131 100
133 97.5 47.4 142.3
119 74.4 36.1 108.3





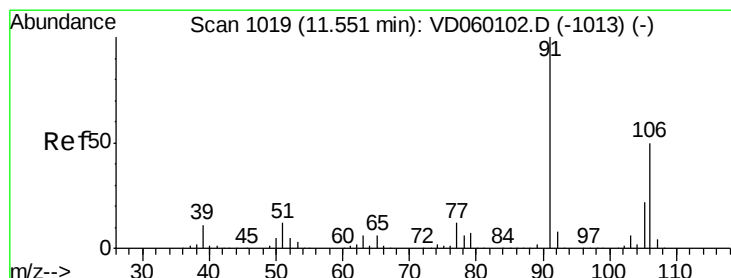
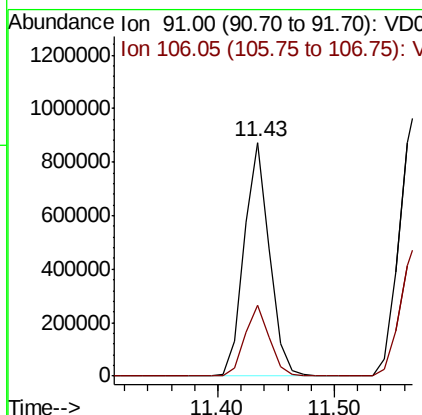
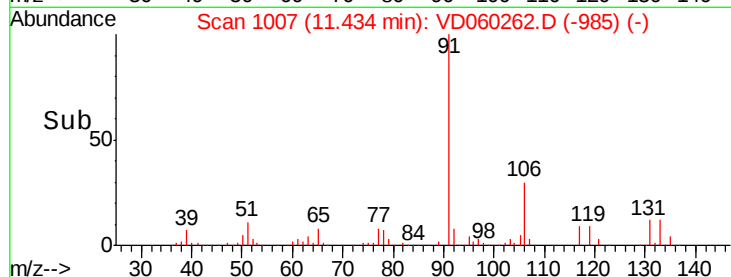
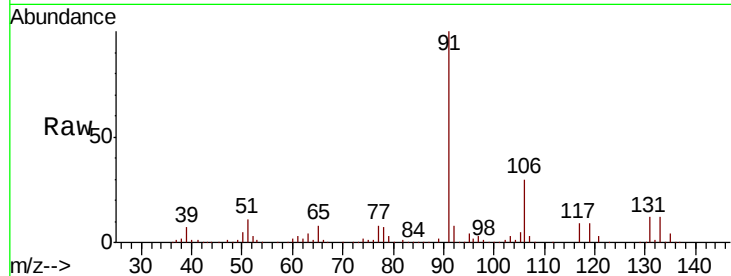
#67
Ethyl Benzene
Concen: 24.023 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 91 Resp: 1310541
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

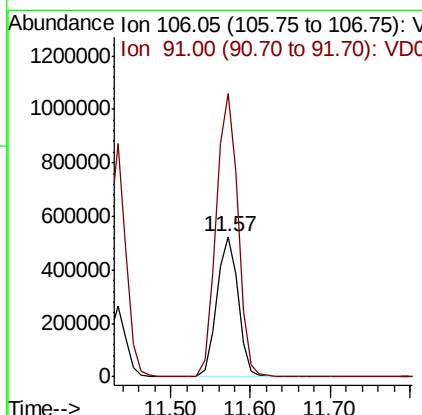
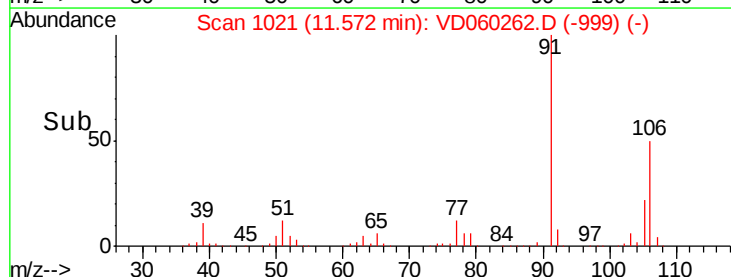
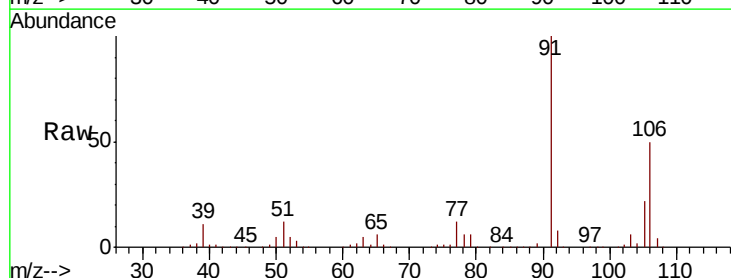
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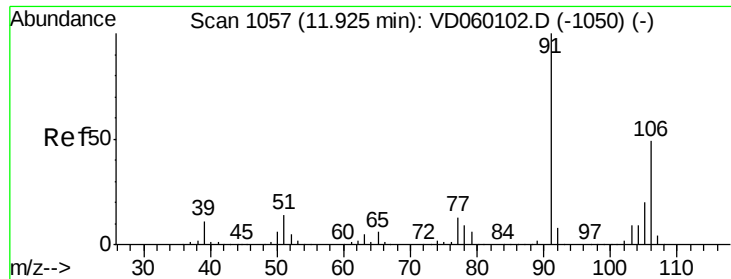
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#68
m/p-Xylenes
Concen: 48.968 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion: 106 Resp: 998151
Ion Ratio Lower Upper
106 100
91 201.5 160.0 240.0





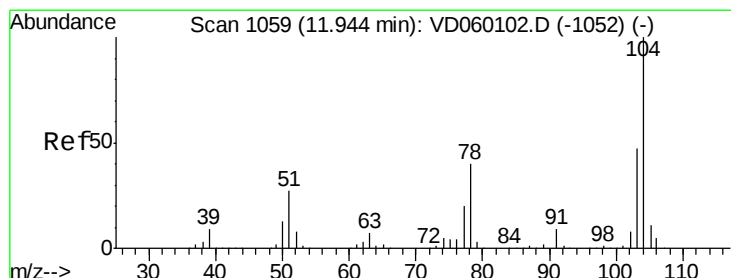
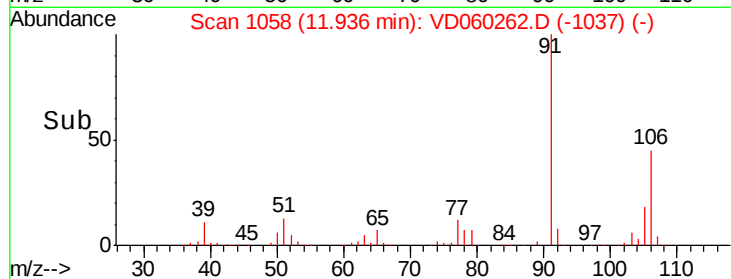
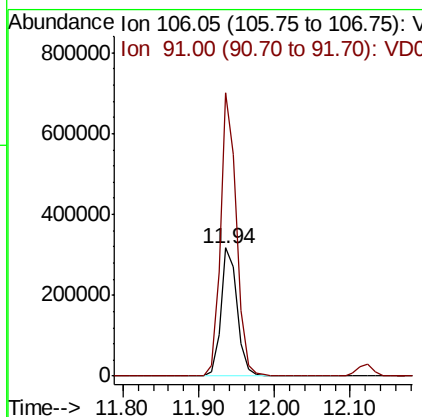
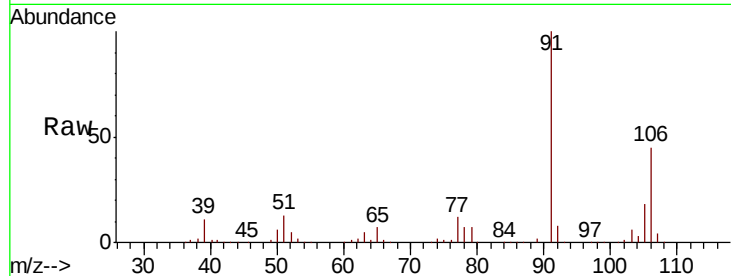
#69
o-Xylene
Concen: 23.732 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion:106 Resp: 478475
Ion Ratio Lower Upper
106 100
91 220.5 102.5 307.5

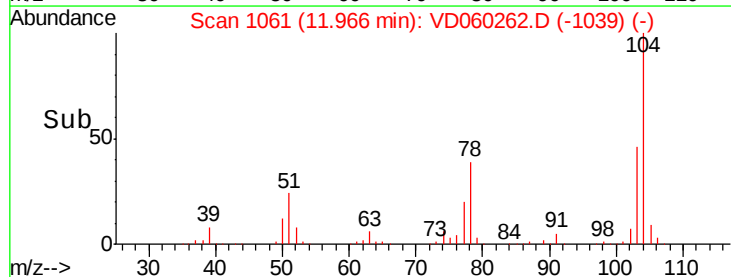
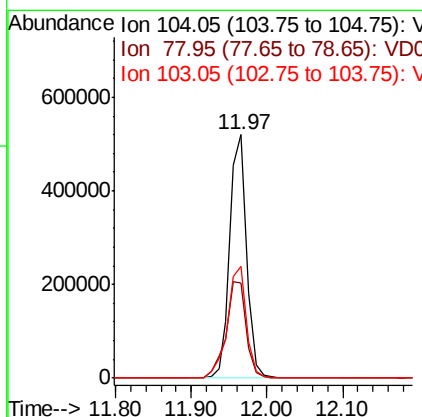
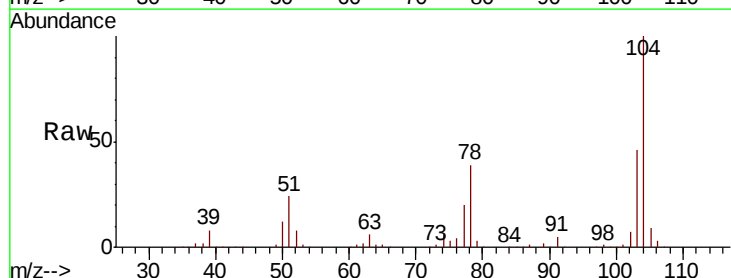
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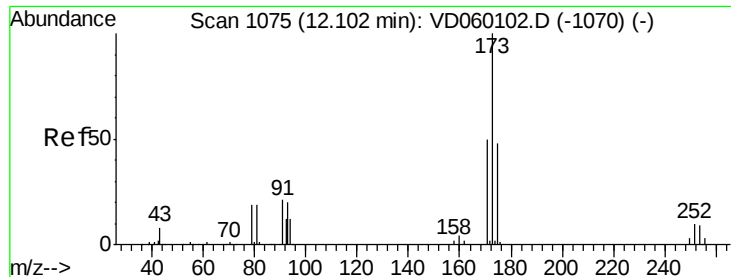
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#70
Styrene
Concen: 23.632 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion:104 Resp: 796811
Ion Ratio Lower Upper
104 100
78 38.9 32.2 48.4
103 46.0 37.4 56.0





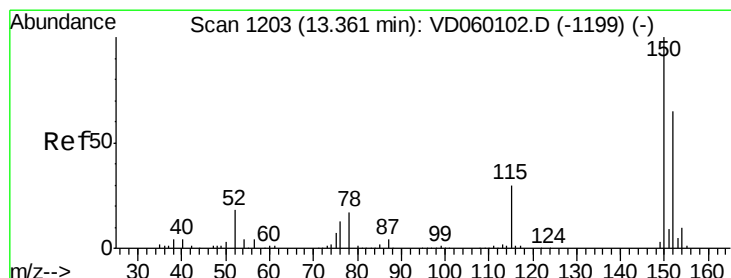
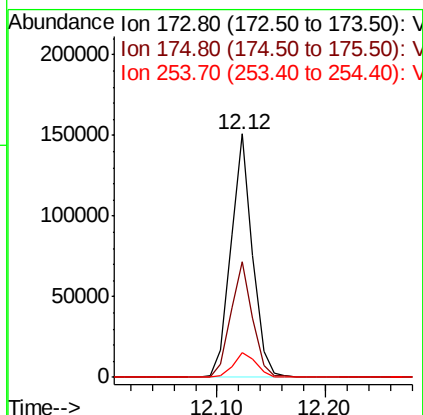
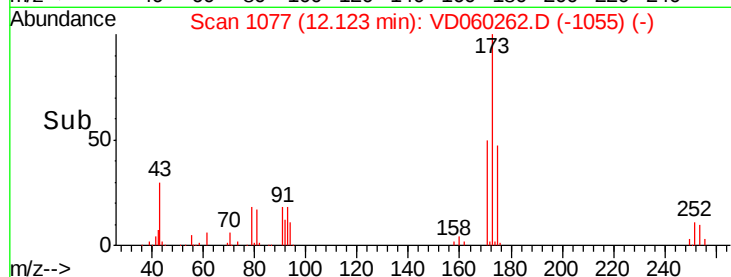
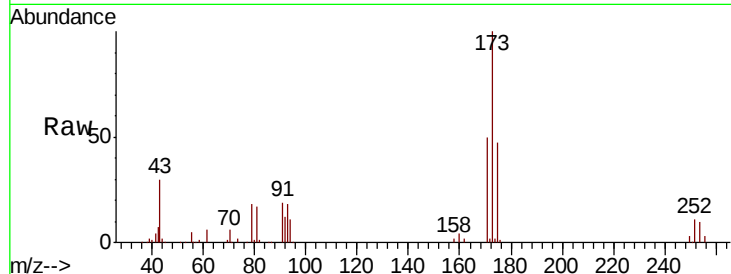
#71
Bromoform
Concen: 23.041 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.1	72.4
254	10.2	7.4	11.0

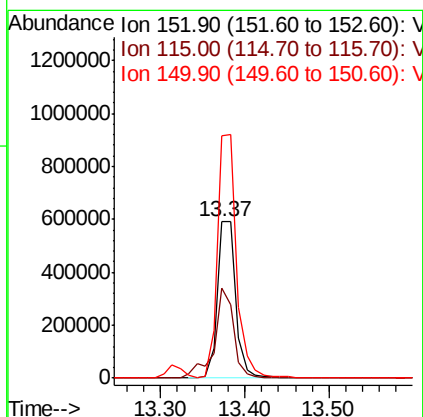
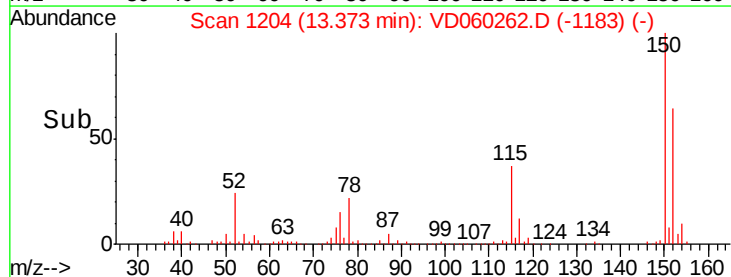
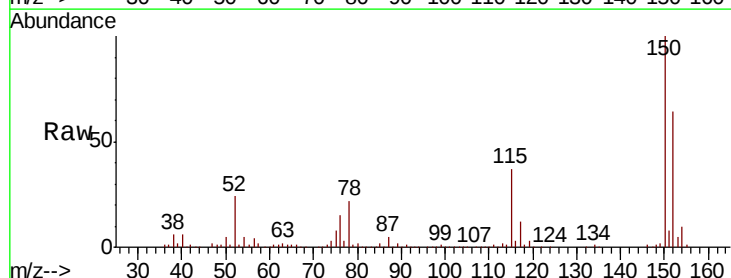
Manual Integrations
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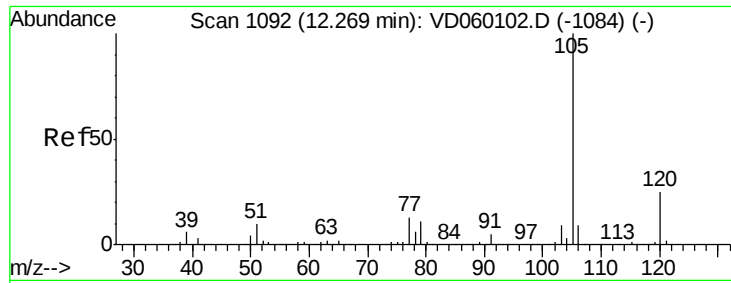
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.1	81.2
150	155.5	0.0	311.8





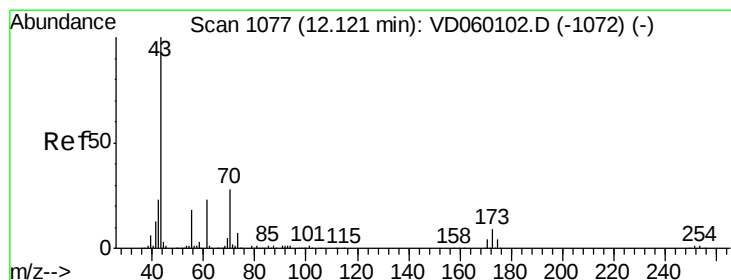
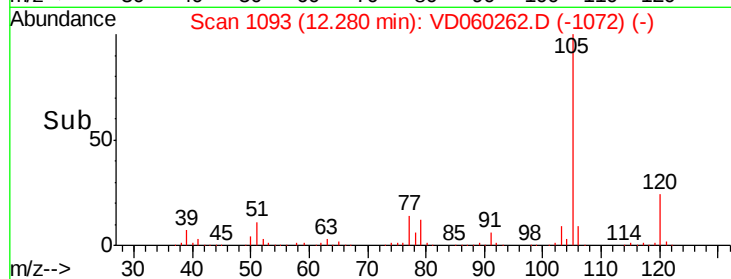
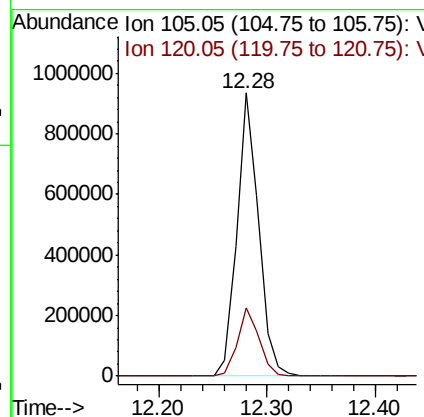
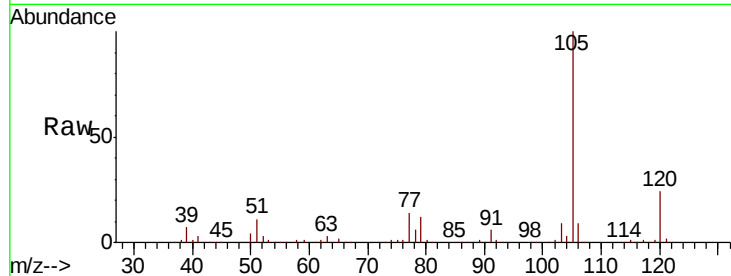
#73
Isopropylbenzene
Concen: 22.105 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleID :
VD1101SBS01

Tot Ion:105 Resp: 1303642
Ion Ratio Lower Upper
105 100
120 24.3 12.6 37.6

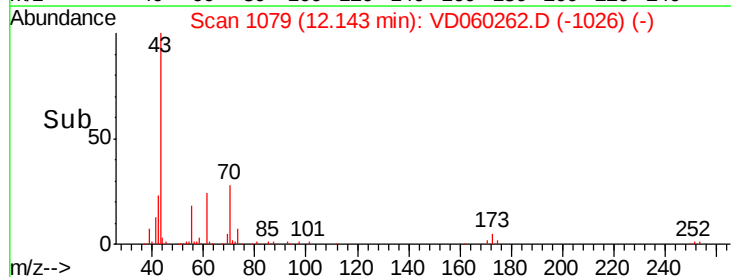
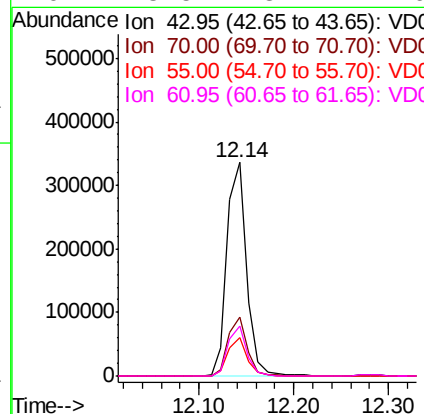
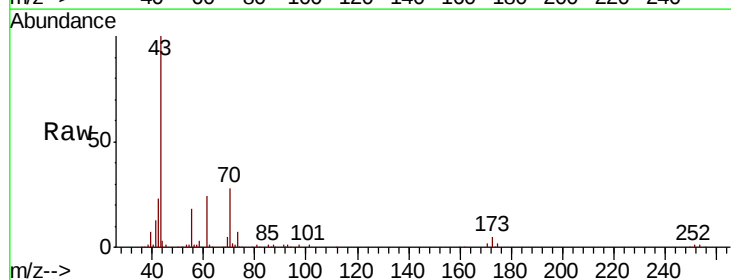
Manual Integrations
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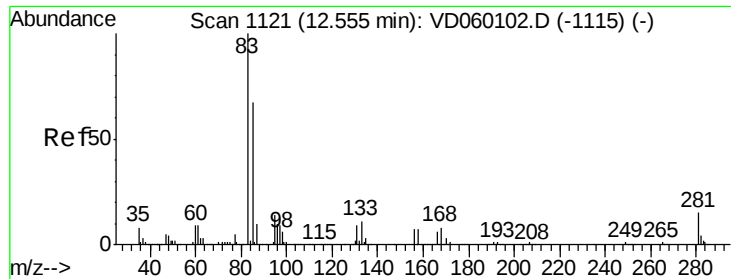
apatel
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#74
N-ethyl acetate
Concen: 22.314 ug/l
RT: 12.14 min Scan# 1079
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion: 43 Resp: 482027
Ion Ratio Lower Upper
43 100
70 27.7 22.1 33.1
55 17.8 14.1 21.1
61 23.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.500 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

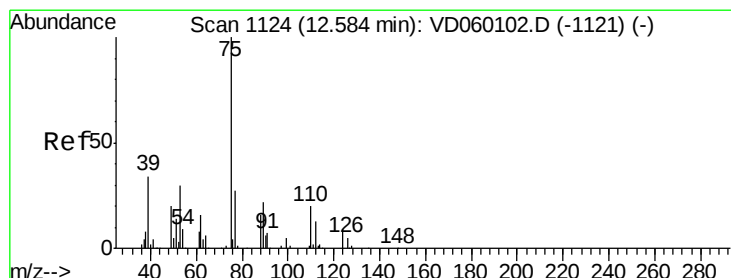
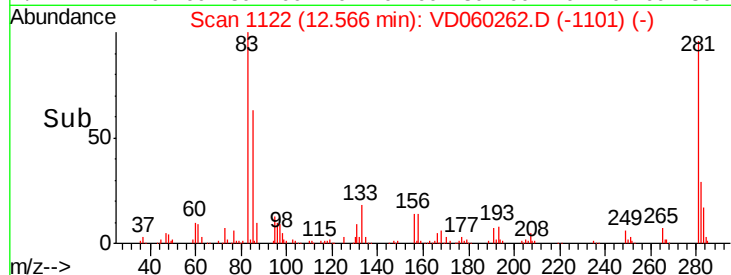
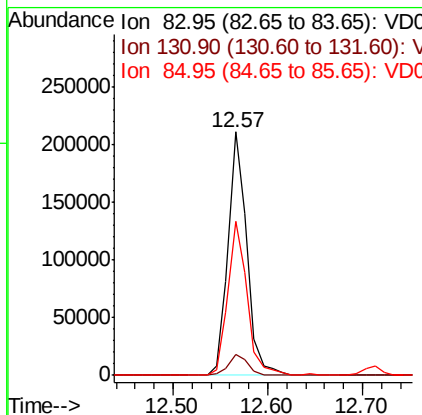
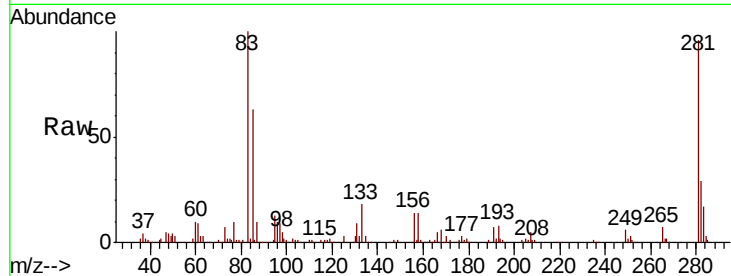
ClientSampleId :

VD1101SBS01

Tot Ion:	83	Resp:	289695
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.4
85	63.2	33.3	99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.699 ug/l

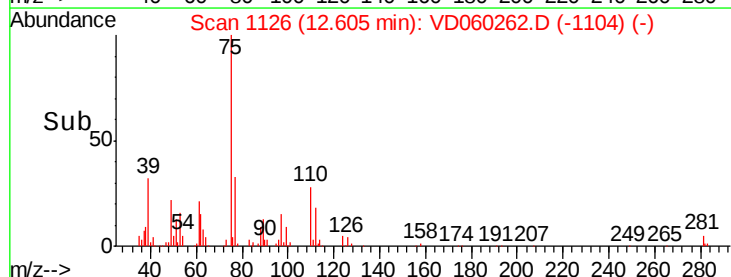
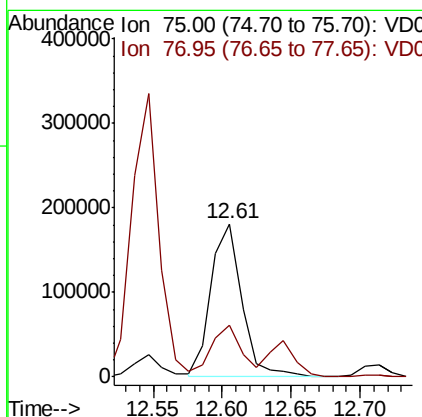
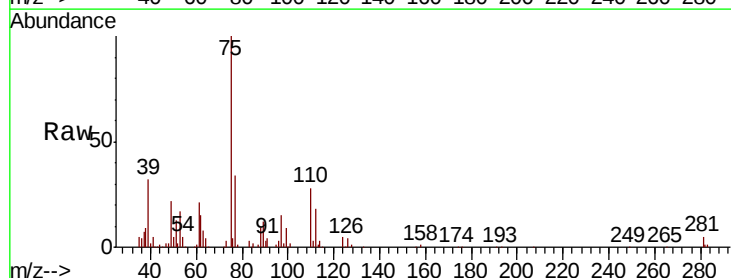
RT: 12.61 min Scan# 1126

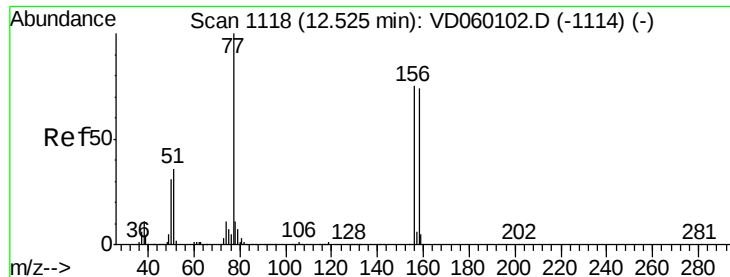
Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Tgt Ion:	75	Resp:	279348
Ion Ratio	Lower	Upper	
75	100		
77	33.7	16.3	48.9





#77

Bromobenzene

Concen: 21.614 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 156 Resp: 370408

Ion Ratio Lower Upper

156 100

77 122.5 66.9 200.7

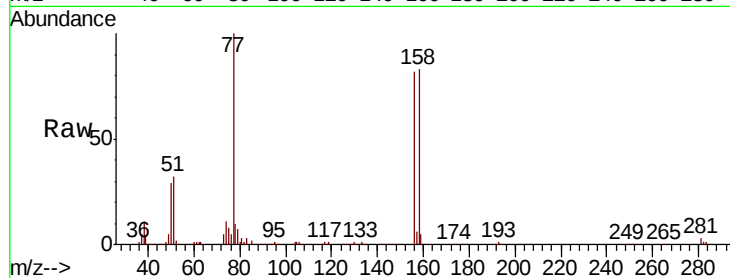
158 101.5 49.1 147.4

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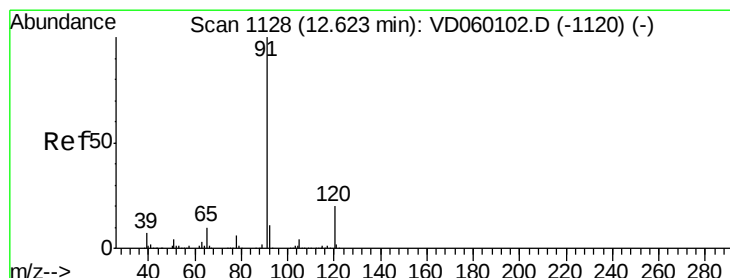
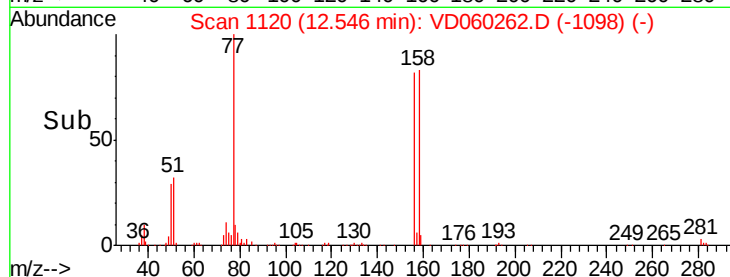
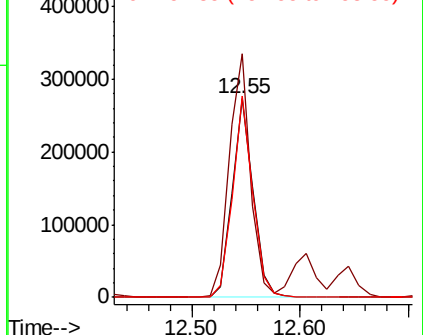
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.611 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060262.D

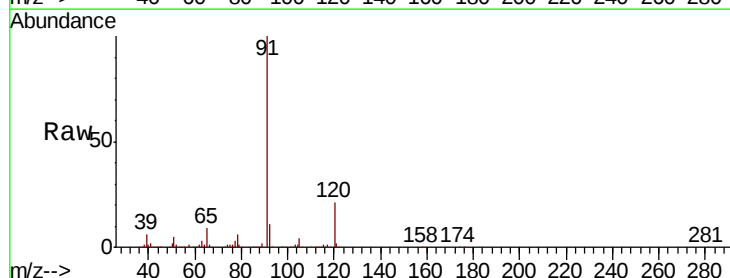
Acq: 1 Nov 2018 15:10

Tgt Ion: 91 Resp: 1655781

Ion Ratio Lower Upper

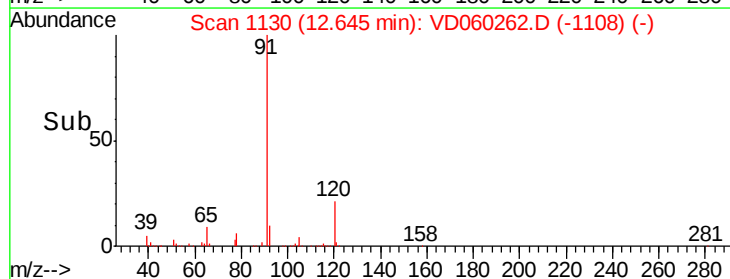
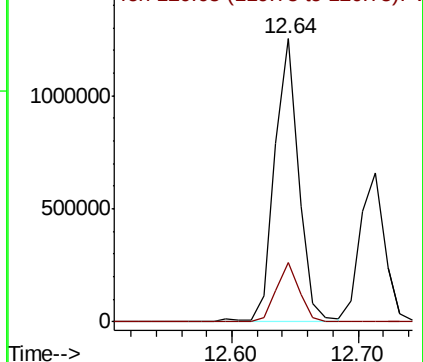
91 100

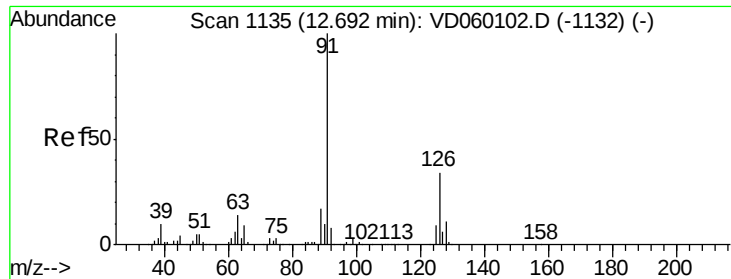
120 21.0 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





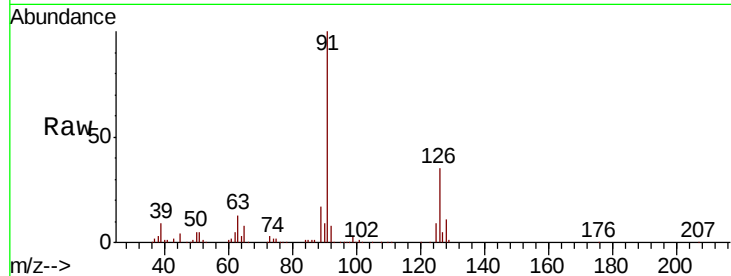
#79
2-Chlorotoluene
Concen: 21.815 ug/l
RT: 12.71 min Scan# 1137
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

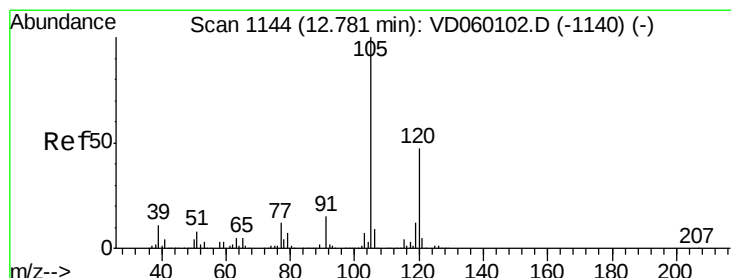
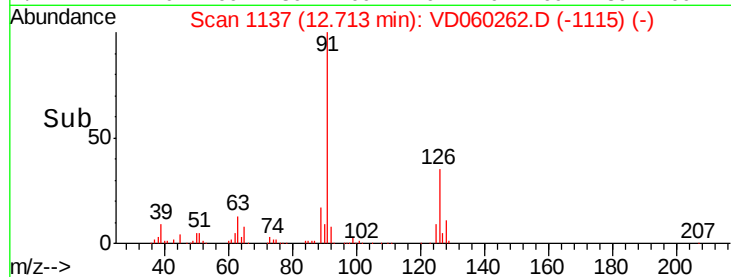
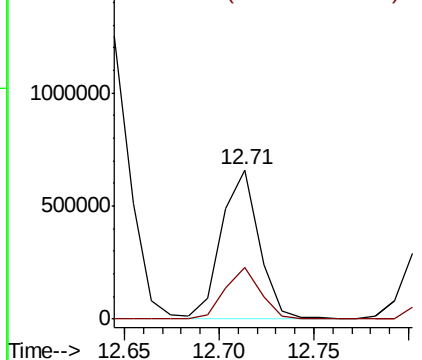
Tot Ion: 91 Resp: 886629
Ion Ratio Lower Upper
91 100
126 34.7 16.8 50.3

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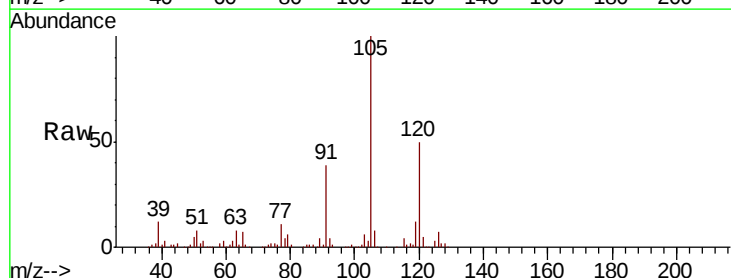


Abundance Ion 91.00 (90.70 to 91.70): VD060102.D (-1132) (-)
Ion 125.95 (125.65 to 126.65): VD060102.D (-1132) (-)

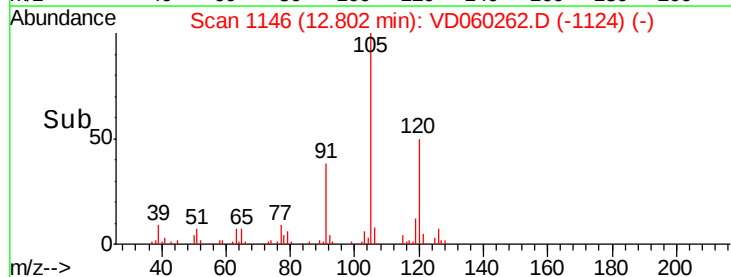
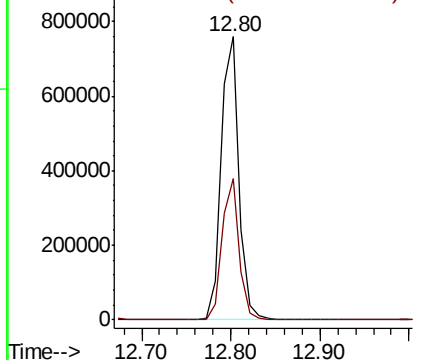


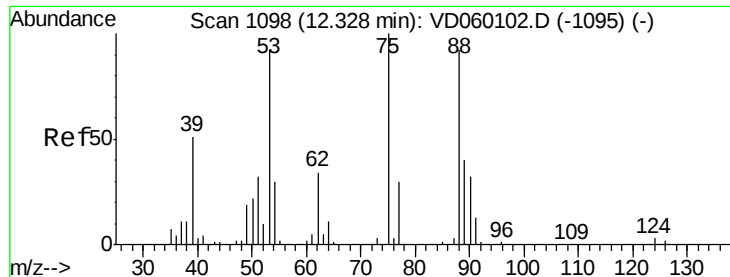
#80
1,3,5-Trimethylbenzene
Concen: 23.236 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion: 105 Resp: 1060585
Ion Ratio Lower Upper
105 100
120 49.9 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): VD060102.D (-1140) (-)
Ion 120.05 (119.75 to 120.75): VD060102.D (-1140) (-)





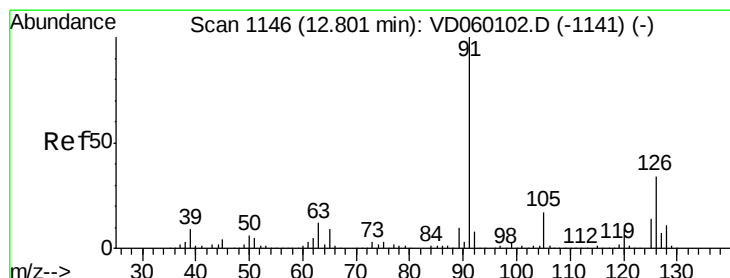
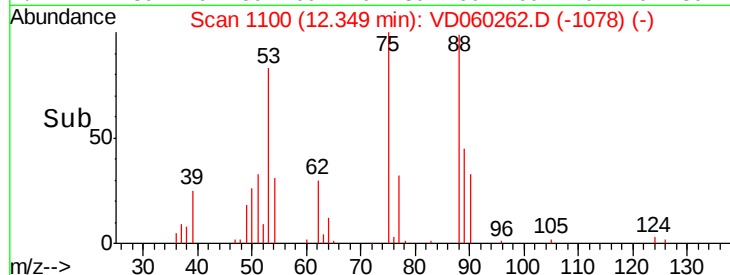
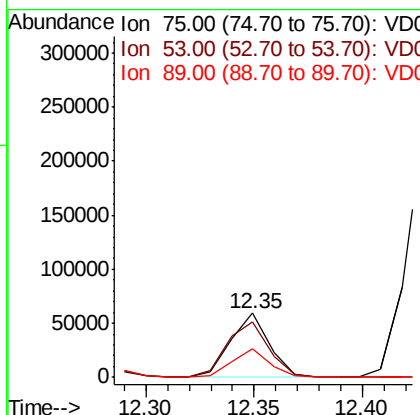
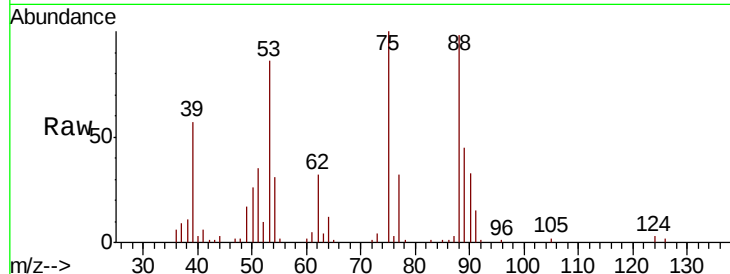
#81
trans-1,4-Dichloro-2-butene
Concen: 20.662 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 75 Resp: 74742
Ion Ratio Lower Upper
75 100
53 86.5 73.0 109.6
89 44.9 32.0 48.0

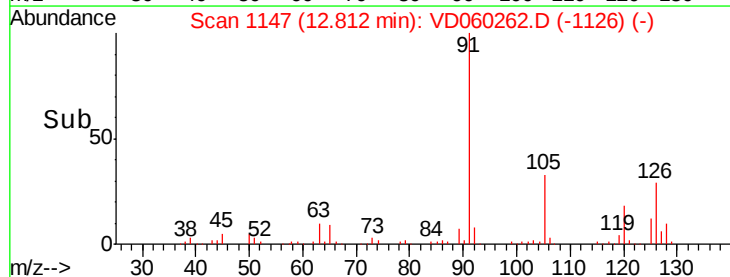
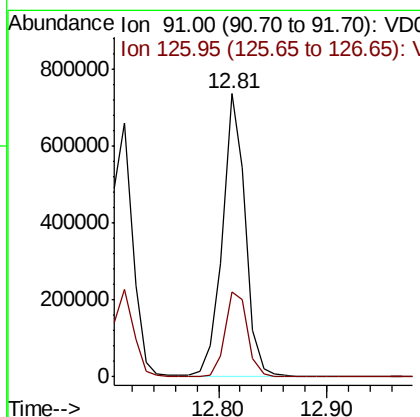
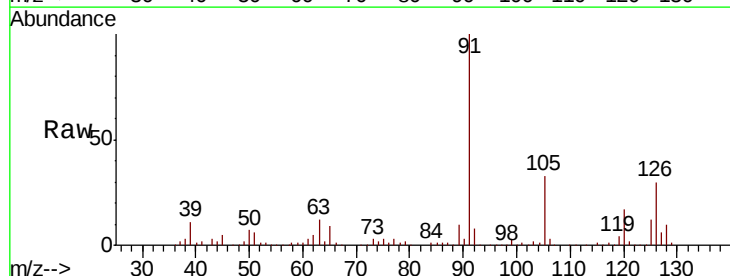
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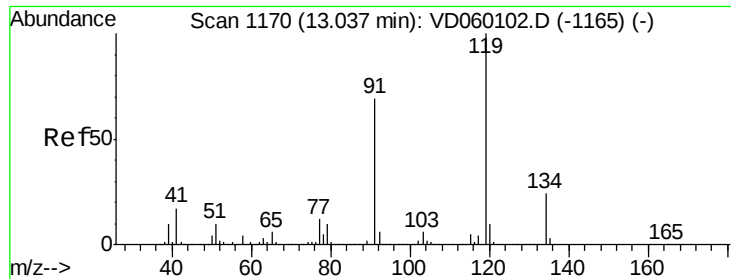
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#82
4-Chlorotoluene
Concen: 23.380 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion: 91 Resp: 1074800
Ion Ratio Lower Upper
91 100
126 30.2 17.1 51.2





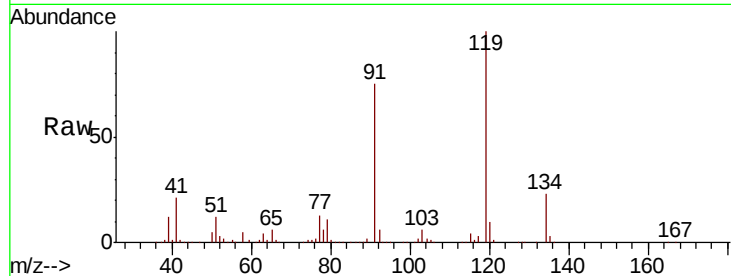
#83
 tert-Butylbenzene
 Concen: 22.496 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

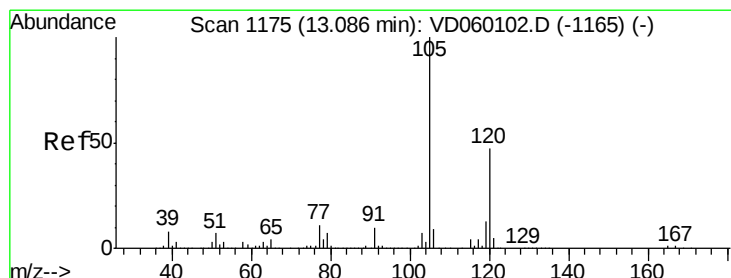
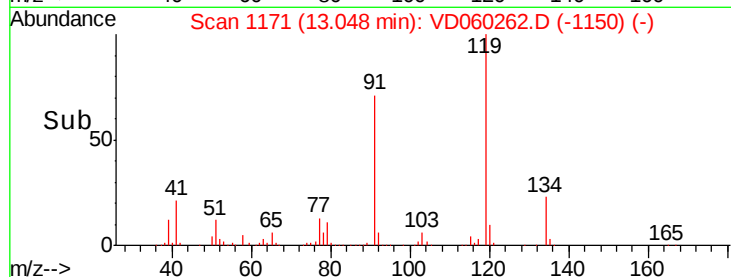
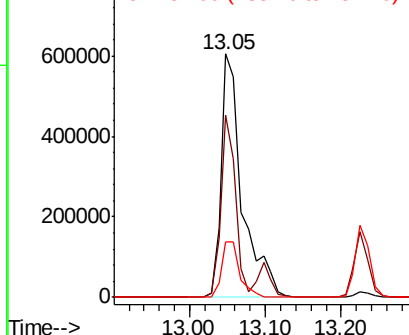
Tot Ion:119 Resp: 1178296
 Ion Ratio Lower Upper
 119 100
 91 74.8 34.8 104.4
 134 22.6 11.8 35.4

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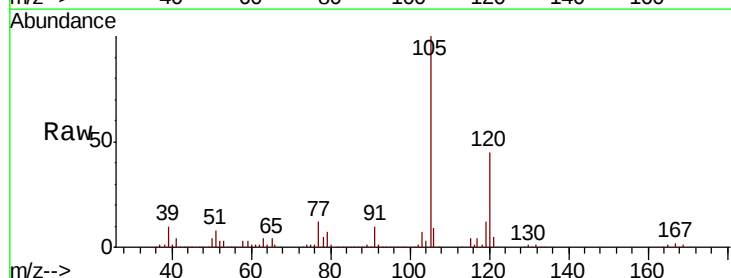


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

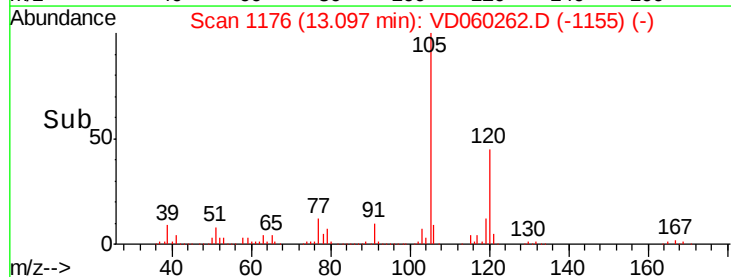
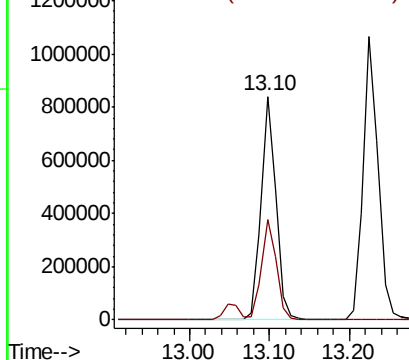


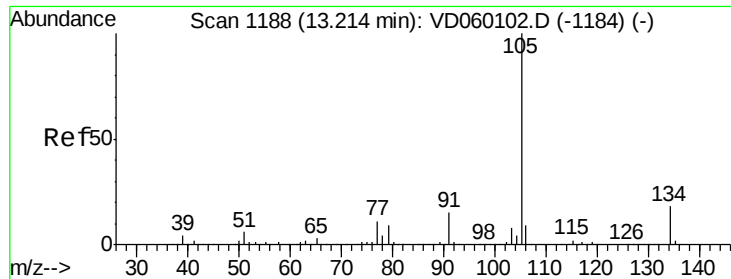
#84
 1,2,4-Trimethylbenzene
 Concen: 22.116 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion:105 Resp: 1063917
 Ion Ratio Lower Upper
 105 100
 120 45.1 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: 22.349 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion:105 Resp: 1384097

Ion Ratio Lower Upper

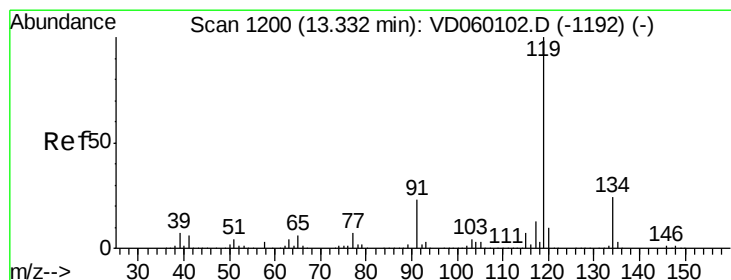
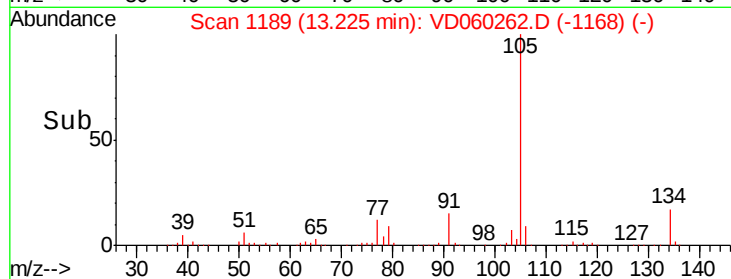
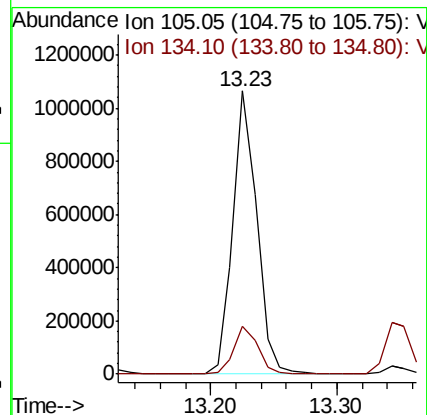
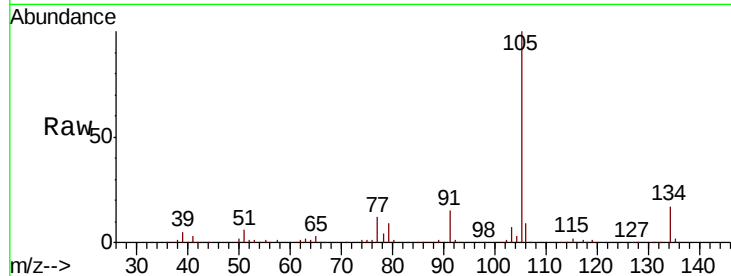
105 100

134 16.9 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 22.501 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060262.D

Acq: 1 Nov 2018 15:10

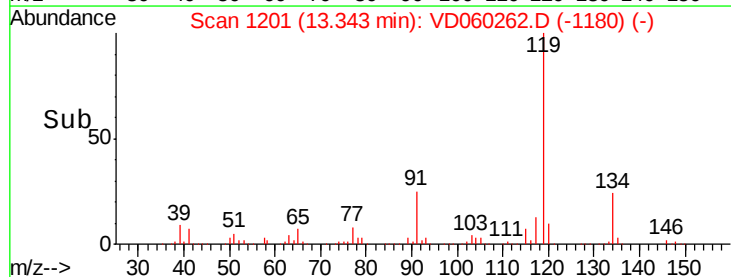
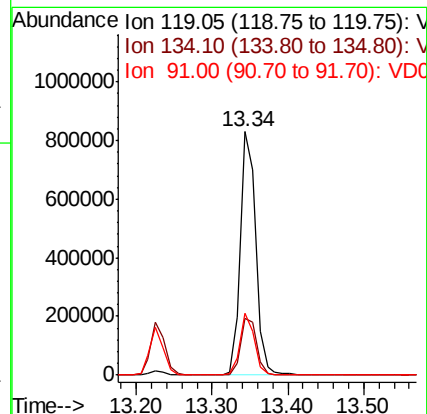
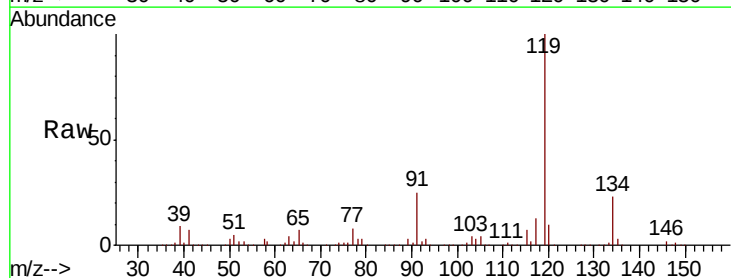
Tgt Ion:119 Resp: 1142965

Ion Ratio Lower Upper

119 100

134 23.5 12.3 36.8

91 25.4 11.8 35.4





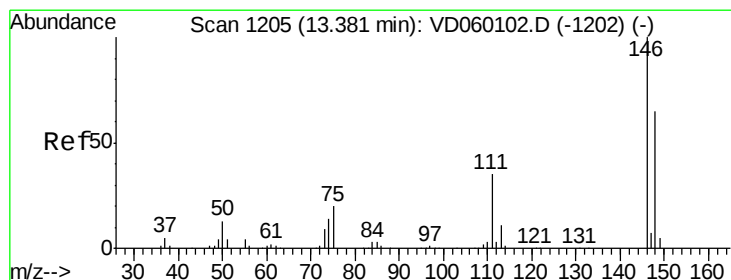
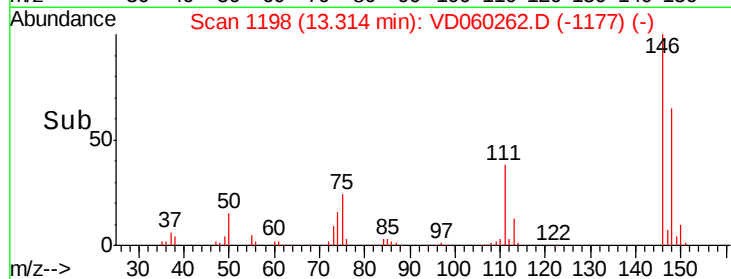
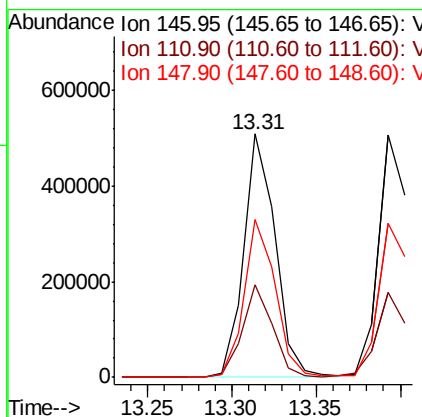
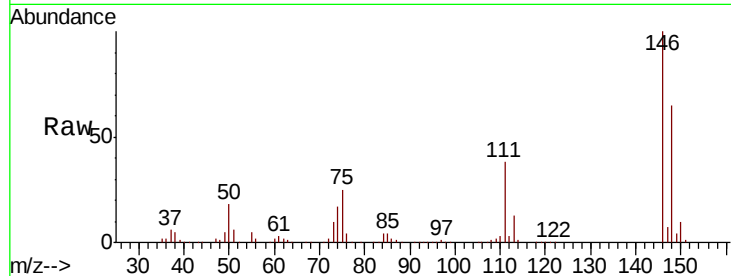
#87
 1,3-Dichlorobenzene
 Concen: 22.165 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	64.8	32.3	96.9

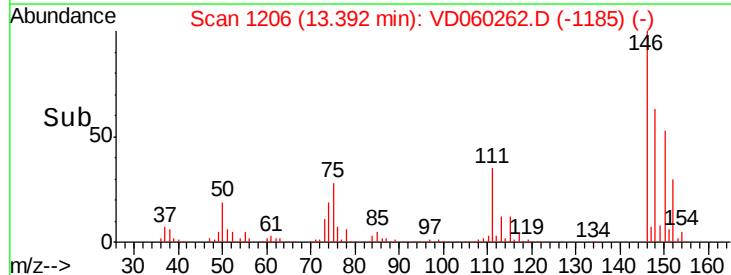
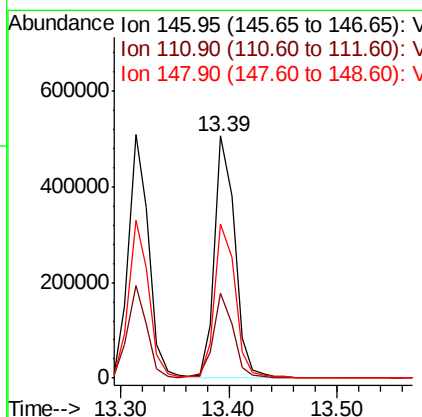
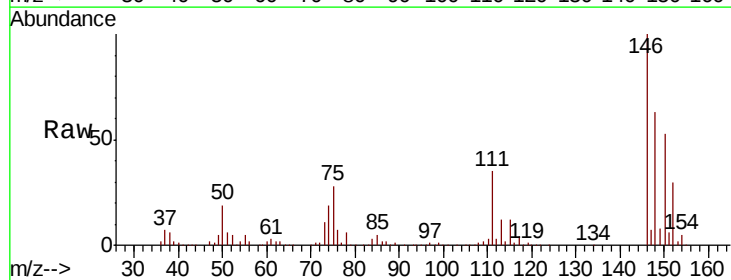
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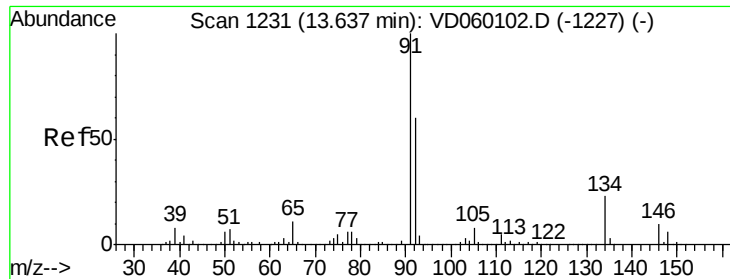
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#88
 1,4-Dichlorobenzene
 Concen: 22.122 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.8	53.3
148	63.4	32.4	97.2





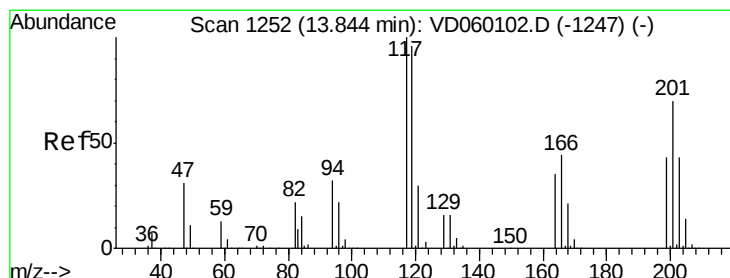
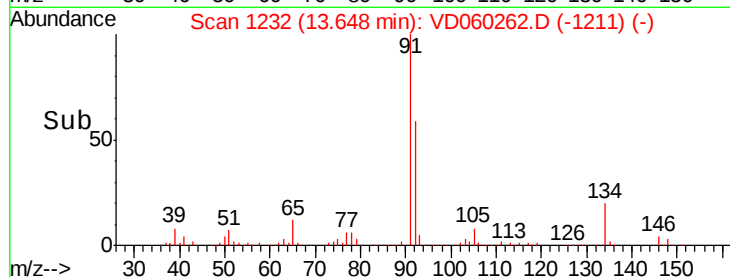
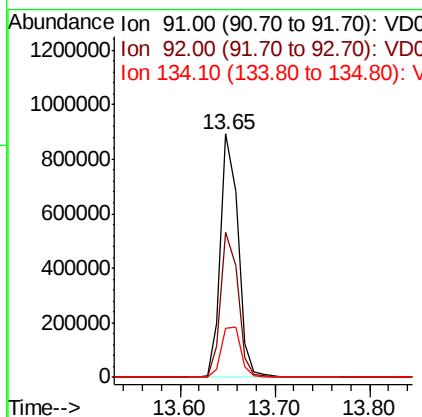
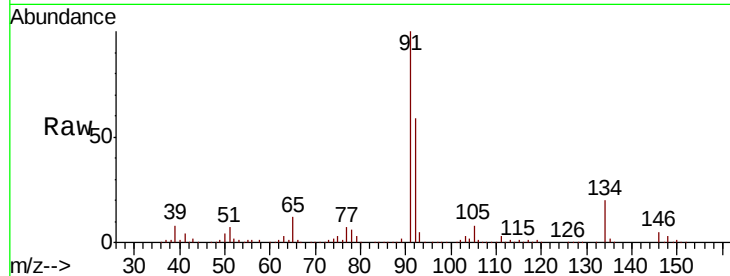
#89
n-Butylbenzene
Concen: 23.240 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 91 Resp: 1151901
Ion Ratio Lower Upper
91 100
92 59.4 30.1 90.3
134 20.2 11.6 34.7

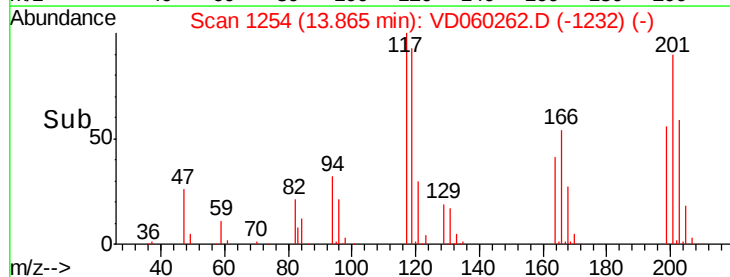
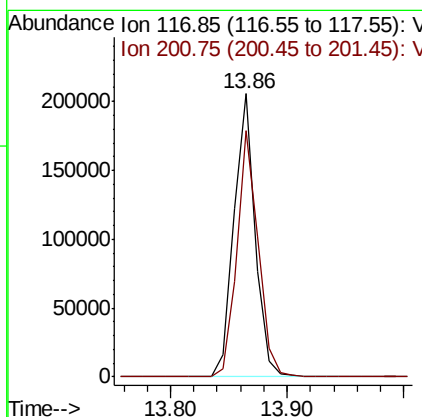
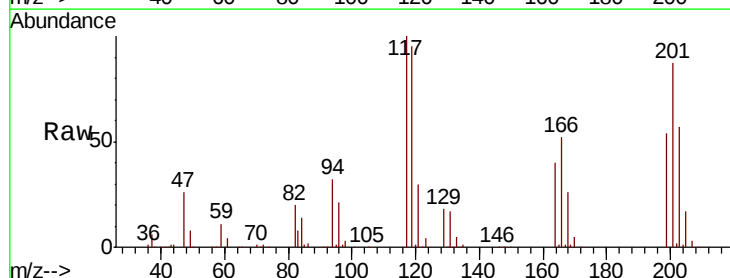
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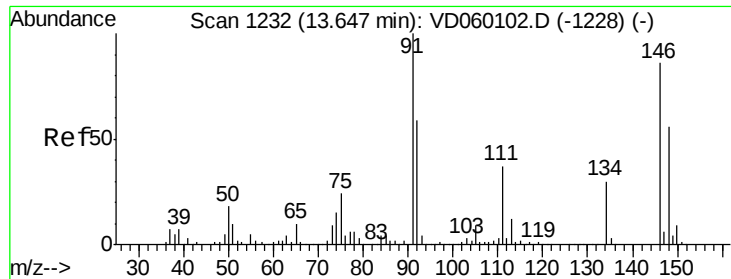
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#90
Hexachloroethane
Concen: 21.984 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion: 117 Resp: 258439
Ion Ratio Lower Upper
117 100
201 87.2 34.8 104.5





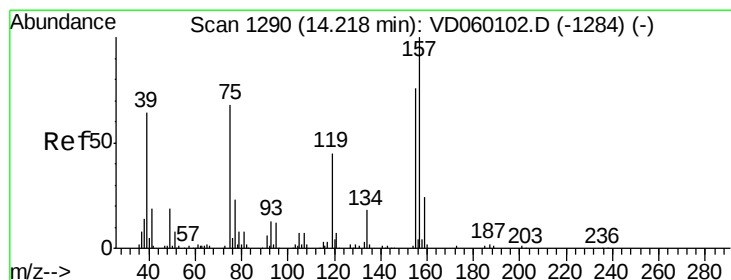
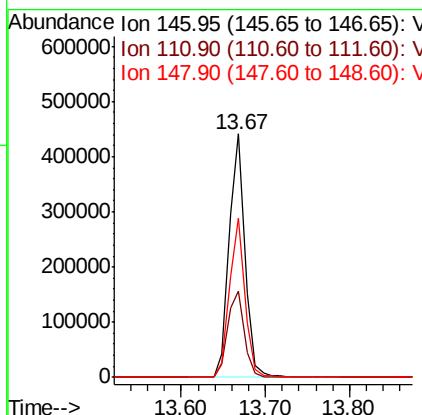
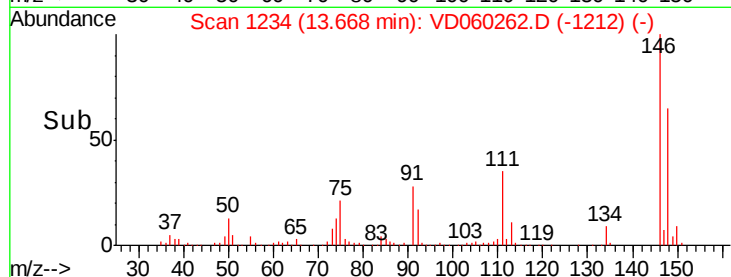
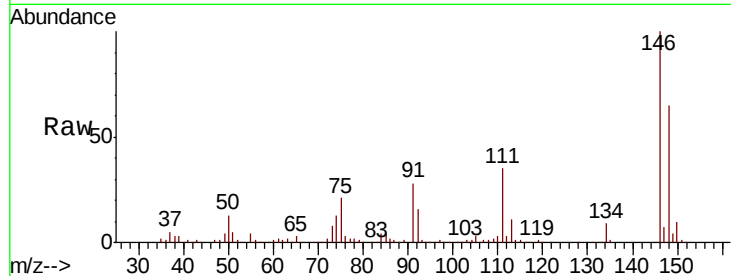
#91
 1,2-Dichlorobenzene
 Concen: 22.836 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	21.4	64.3
148	65.4	32.2	96.6

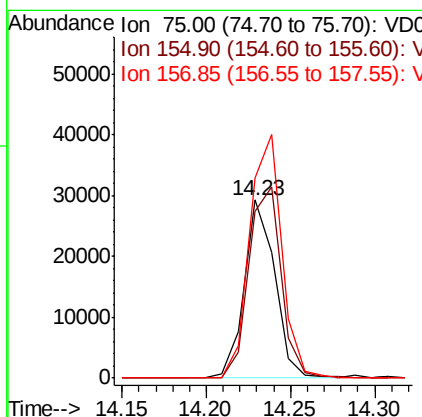
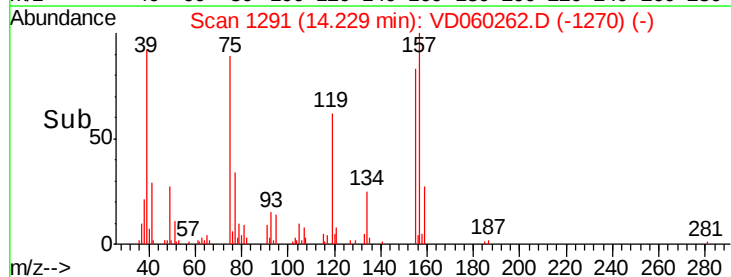
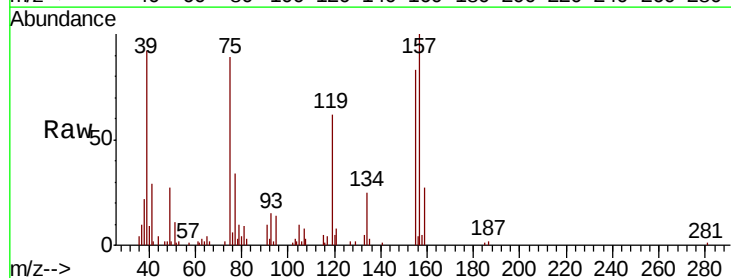
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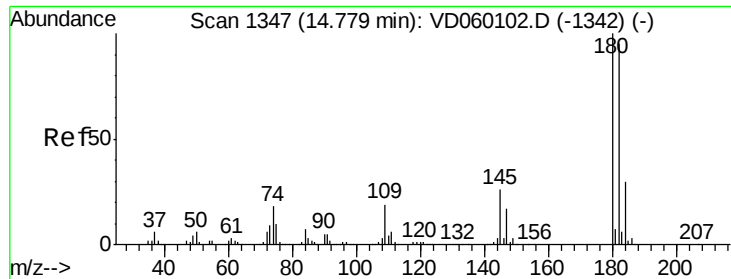
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.474 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	55.9	167.7
157	112.7	73.3	219.8





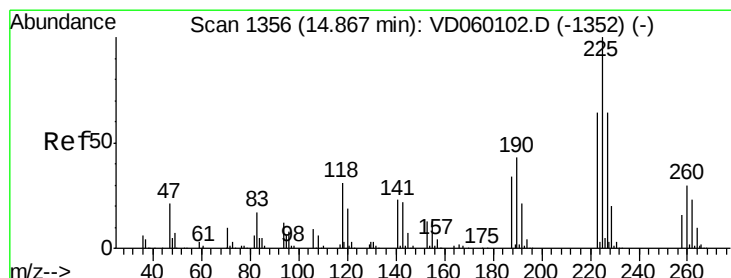
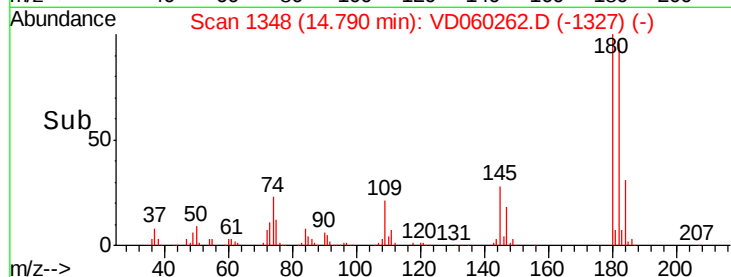
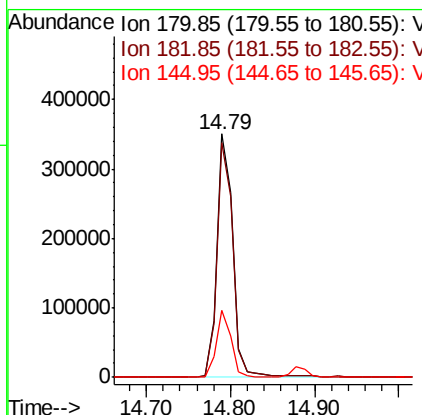
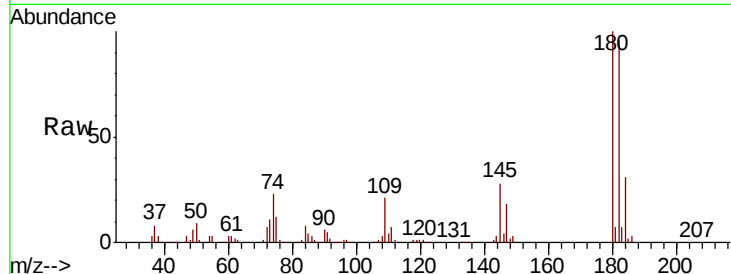
#93
 1,2,4-Trichlorobenzene
 Concen: 21.544 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	459098		
182	96.2	47.3	141.8	
145	27.7	13.0	38.9	

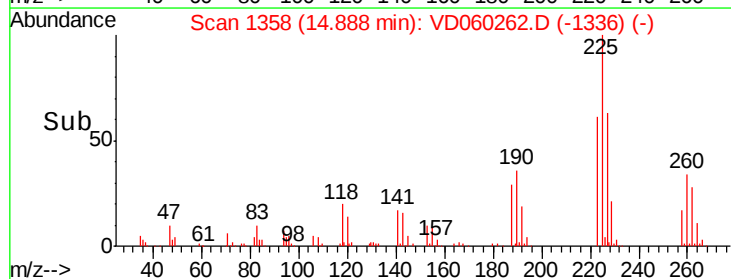
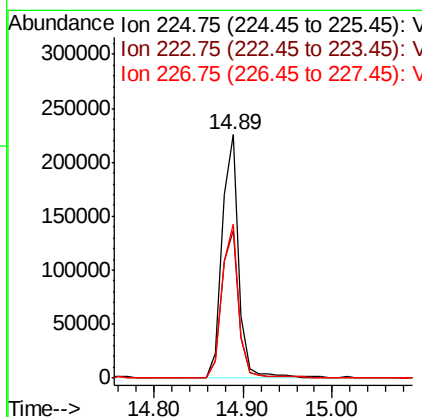
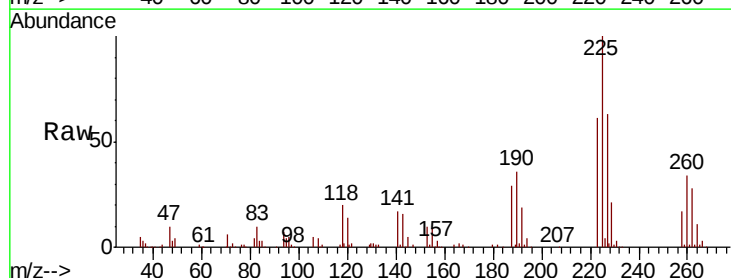
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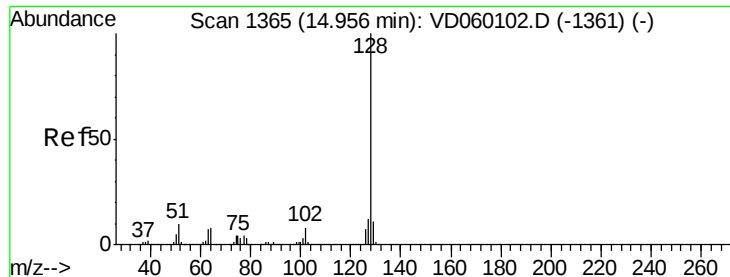
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#94
 Hexachlorobutadiene
 Concen: 21.136 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.02 min
 Lab File: VD060262.D
 Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	299389		
223	60.7	31.8	95.4	
227	63.2	32.0	96.0	





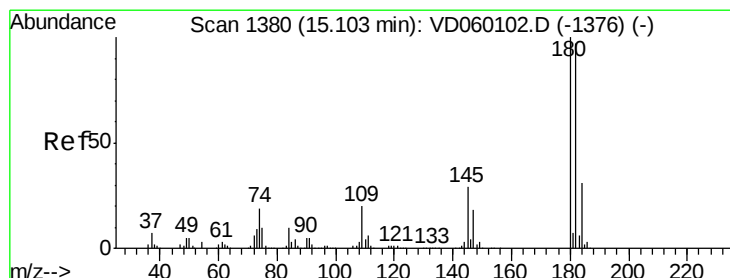
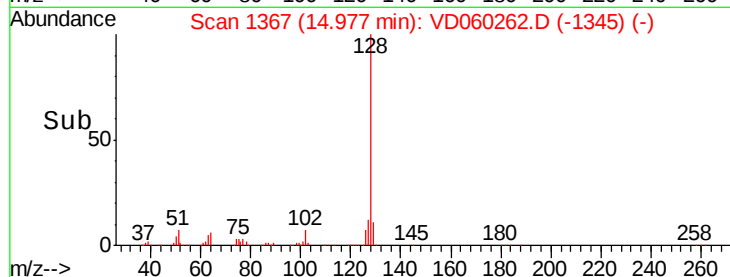
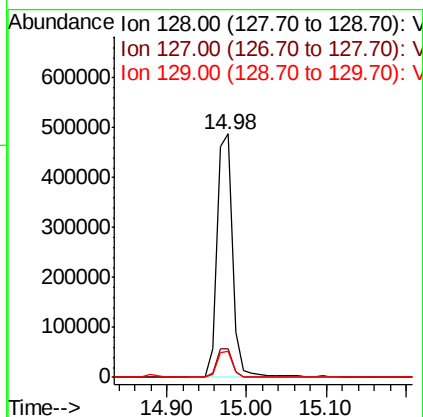
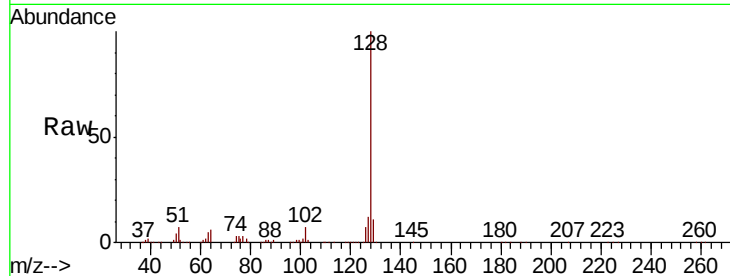
#95
Naphthalene
Concen: 21.554 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	10.5	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.314 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD060262.D
Acq: 1 Nov 2018 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.4	145.0
145	24.6	14.5	43.6

