

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060064.D
 Acq On : 21 Sep 2018 11:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 9/24/2018 1:01:32 PM

Quant Time: Sep 21 14:26:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1741645	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	2411717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1943524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	1015122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	721763	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	6.31	113	1005465	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	9.45	98	2810166	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.42	95	1059117	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	917451	49.904	ug/l	99
3) Chloromethane	1.75	50	862828	53.131	ug/l	98
4) Vinyl Chloride	1.85	62	719482	55.112	ug/l	98
5) Bromomethane	2.14	94	104644	67.719	ug/l	97
6) Chloroethane	2.26	64	198466	68.000	ug/l	98
7) Trichlorofluoromethane	2.50	101	820065	57.057	ug/l	97
8) Diethyl Ether	2.82	74	184618	60.425	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.08	101	543659	59.986	ug/l	99
10) Methyl Iodide	3.24	142	600970	62.607	ug/l	95
11) Tert butyl alcohol	3.96	59	253361	231.184	ug/l	97
12) 1,1-Dichloroethene	3.06	96	437014	60.983	ug/l	96
13) Acrolein	2.97	56	159488	235.001	ug/l	96
14) Allyl chloride	3.52	41	871745	57.682	ug/l	97
15) Acrylonitrile	4.08	53	1059933	256.219	ug/l	99
16) Acetone	3.15	43	747227	284.955	ug/l	98
17) Carbon Disulfide	3.31	76	1348485	54.615	ug/l	99
18) Methyl Acetate	3.54	43	308057	57.765	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	1702836	51.428	ug/l	99
20) Methylene Chloride	3.71	84	1039802	56.694	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	975951	51.897	ug/l	97
22) Diisopropyl ether	4.84	45	3683736	53.436	ug/l	97
23) Vinyl Acetate	4.79	43	10337529	264.695	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1668657	53.939	ug/l	100
25) 2-Butanone	5.61	43	1656983	234.166	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1302360	54.149	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	1055455	53.656	ug/l	99
28) Bromochloromethane	5.92	49	751703	50.550	ug/l	98
29) Tetrahydrofuran	5.95	42	943818	248.711	ug/l	98
30) Chloroform	6.09	83	1670233	53.239	ug/l	98
31) Cyclohexane	6.36	56	1500496	49.746	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	1404922	53.994	ug/l	99
36) 1,1-Dichloropropene	6.52	75	1239125	51.724	ug/l	99
37) Ethyl Acetate	5.69	43	848639	51.513	ug/l	98
38) Carbon Tetrachloride	6.49	117	1147754	51.323	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1434636	52.937	ug/l	96
40) Benzene	6.78	78	3274014	53.620	ug/l	99
41) Methacrylonitrile	5.92	41	375986m	43.574	ug/l	
42) 1,2-Dichloroethane	6.88	62	962007	52.471	ug/l	99
43) Isopropyl Acetate	8.34	43	1116818	50.631	ug/l #	100
44) Trichloroethene	7.73	130	1002338	53.131	ug/l	98
45) 1,2-Dichloropropane	8.09	63	861524	52.766	ug/l	100
46) Dibromomethane	8.21	93	563716	52.916	ug/l	93
47) Bromodichloromethane	8.48	83	1229795	53.544	ug/l	98
48) Methyl methacrylate	8.24	41	624874	50.865	ug/l	96
49) 1,4-Dioxane	8.22	88	118563	971.690	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	3497098	239.587	ug/l	99
52) Toluene	9.54	92	2064068	52.738	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	1135127	52.990	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1360428	53.153	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	695405	51.175	ug/l	97
56) Ethyl methacrylate	10.02	69	769930	51.082	ug/l	98
57) 1,3-Dichloropropane	10.37	76	1052054	52.449	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	1846767	253.733	ug/l	98
59) 2-Hexanone	10.48	43	2606906	251.559	ug/l	99
60) Dibromochloromethane	10.63	129	887262	53.644	ug/l	99
61) 1,2-Dibromoethane	10.75	107	737986	52.600	ug/l	97
64) Tetrachloroethene	10.25	164	883171	51.504	ug/l	99
65) Chlorobenzene	11.31	112	2266342	54.238	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	749827	53.204	ug/l	98
67) Ethyl Benzene	11.43	91	3572008	53.120	ug/l	99
68) m/p-Xylenes	11.56	106	2688825	108.270	ug/l	100
69) o-Xylene	11.93	106	1330997	54.089	ug/l	96
70) Styrene	11.95	104	2282861	55.175	ug/l	98
71) Bromoform	12.11	173	660326	54.534	ug/l #	98
73) Isopropylbenzene	12.27	105	3603359	54.124	ug/l	100
74) N-amyl acetate	12.13	43	1393241	52.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	820263	54.310	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	784469	50.599	ug/l	99
77) Bromobenzene	12.54	156	1054727	54.997	ug/l	90
78) n-propylbenzene	12.64	91	4411411	52.692	ug/l	98
79) 2-Chlorotoluene	12.70	91	2472652	52.327	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	2765230	54.190	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	250705	53.569	ug/l	93
82) 4-Chlorotoluene	12.80	91	2791167	53.726	ug/l	96
83) tert-Butylbenzene	13.04	119	3214027	54.368	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2870451	52.713	ug/l	98
85) sec-Butylbenzene	13.22	105	3610419	51.449	ug/l	98
86) p-Isopropyltoluene	13.34	119	3079738	54.262	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1827955	54.812	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1789591	52.905	ug/l	97
89) n-Butylbenzene	13.64	91	3020826	58.646	ug/l	97
90) Hexachloroethane	13.86	117	767996	54.631	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	1524449	58.219	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	109879	47.722	ug/l	74

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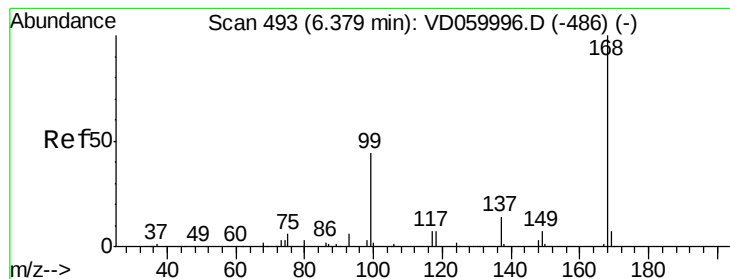
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1290628	54.307	ug/l	99
94) Hexachlorobutadiene	14.87	225	863405	54.921	ug/l	99
95) Naphthalene	14.96	128	1935007	52.721	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1073720	51.268	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060064.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1741645

Ion Ratio Lower Upper

168 100

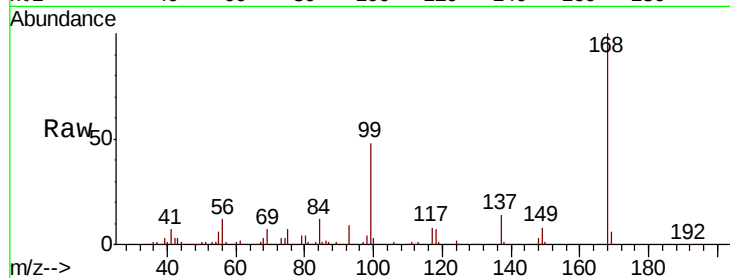
99 48.2 38.5 57.7

Manual Integrations

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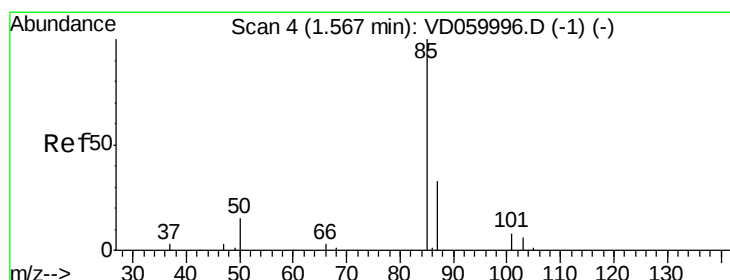
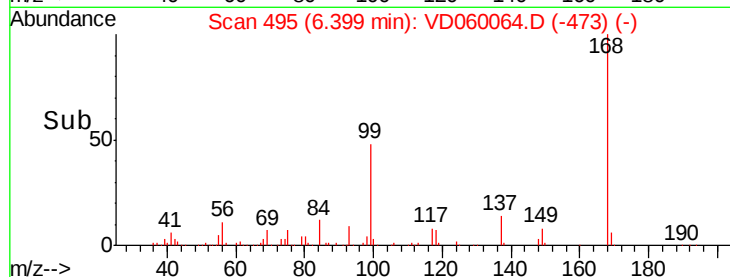
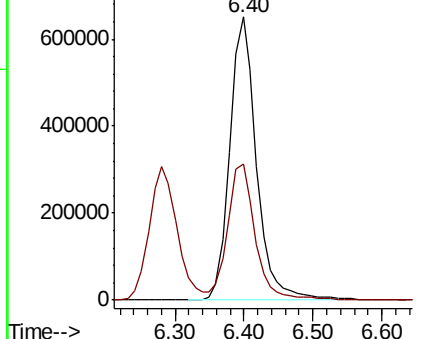
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.904 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060064.D

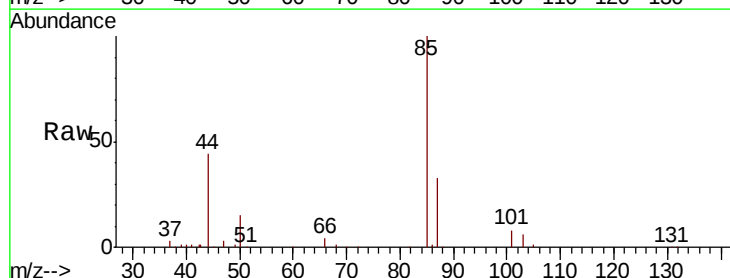
Acq: 21 Sep 2018 11:21

Tgt Ion: 85 Resp: 917451

Ion Ratio Lower Upper

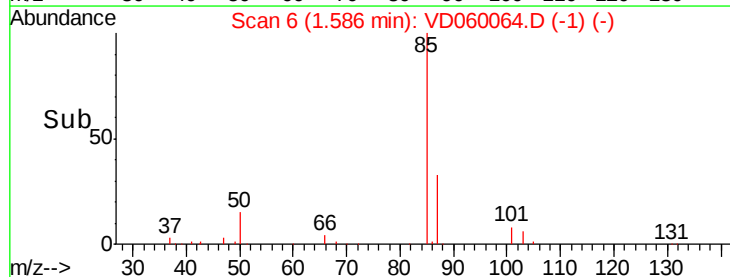
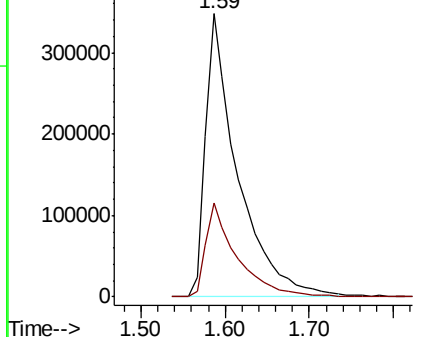
85 100

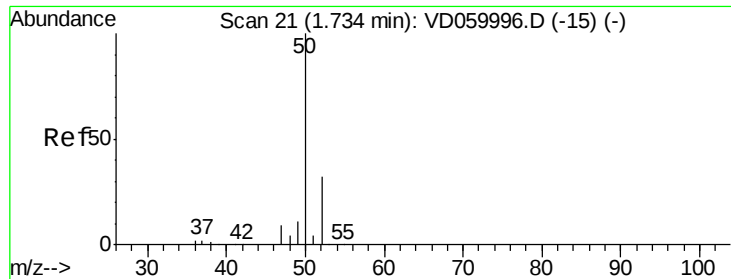
87 33.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.131 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 862828

Ion Ratio Lower Upper

50 100

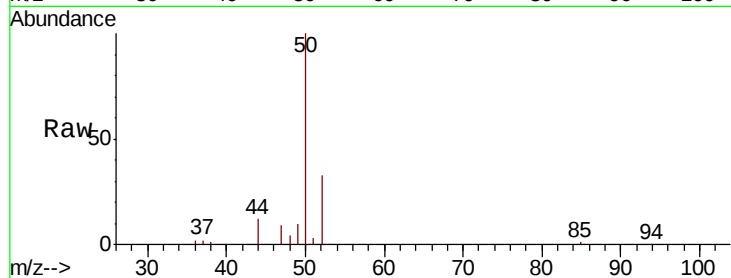
52 32.8 25.4 38.2

Manual Integrations

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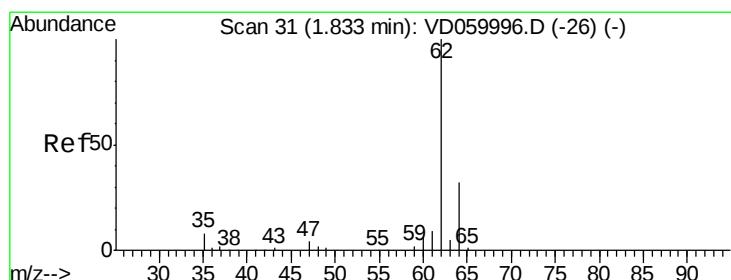
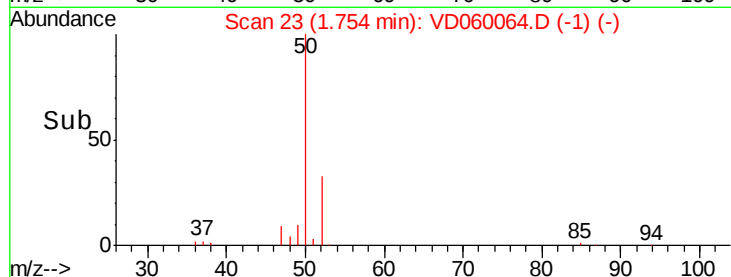
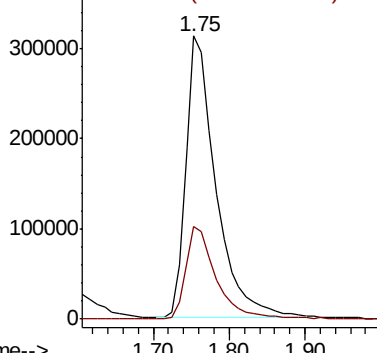
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.112 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060064.D

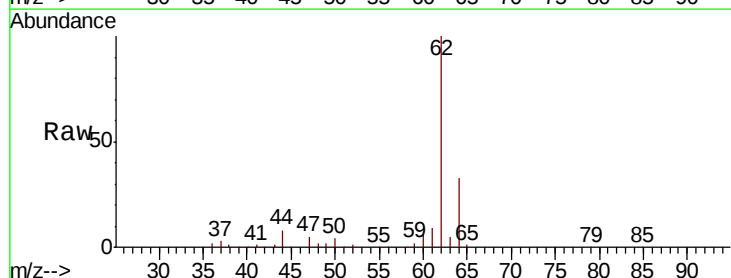
Acq: 21 Sep 2018 11:21

Tgt Ion: 62 Resp: 719482

Ion Ratio Lower Upper

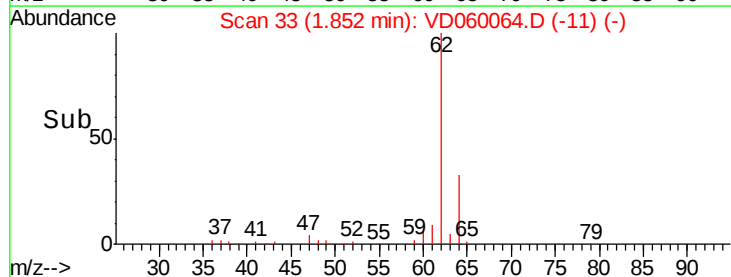
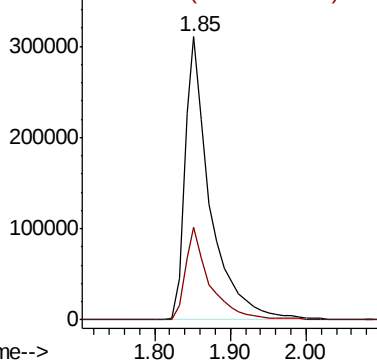
62 100

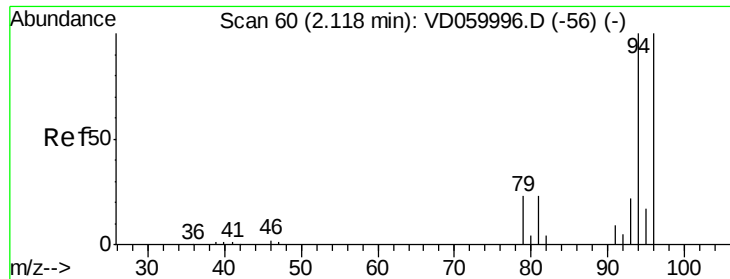
64 32.8 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 67.719 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 104644

Ion Ratio Lower Upper

94 100

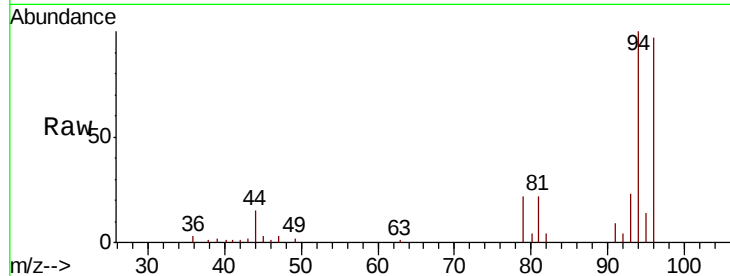
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Manual Integrations

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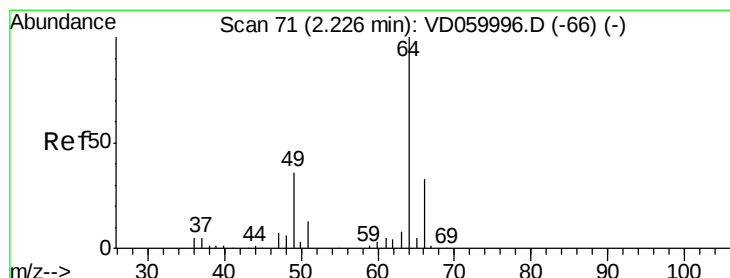
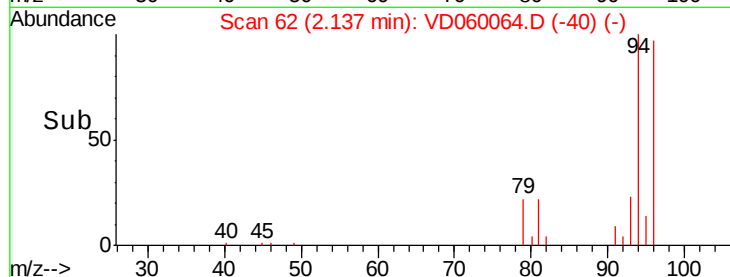
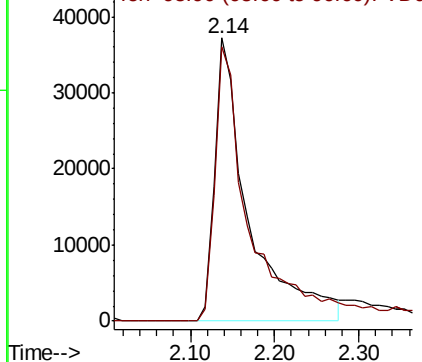
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 68.000 ug/l

RT: 2.26 min Scan# 74

Delta R.T. 0.03 min

Lab File: VD060064.D

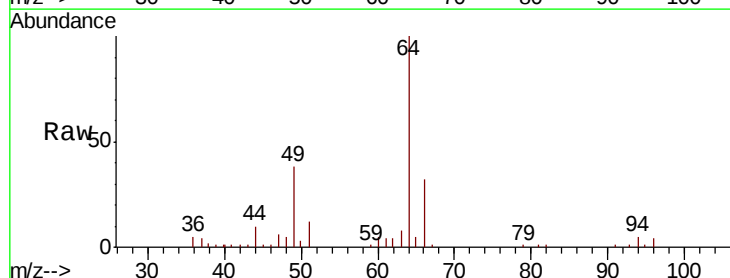
Acq: 21 Sep 2018 11:21

Tgt Ion: 64 Resp: 198466

Ion Ratio Lower Upper

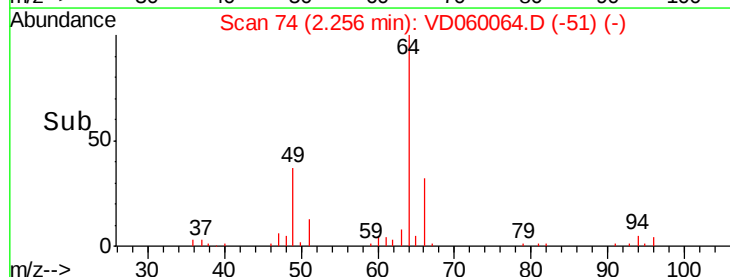
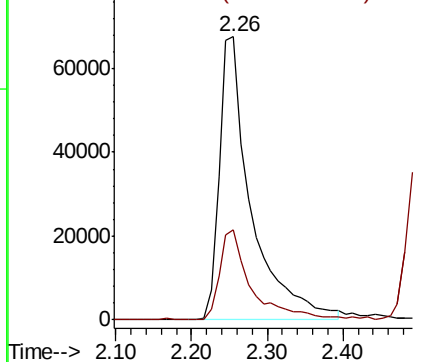
64 100

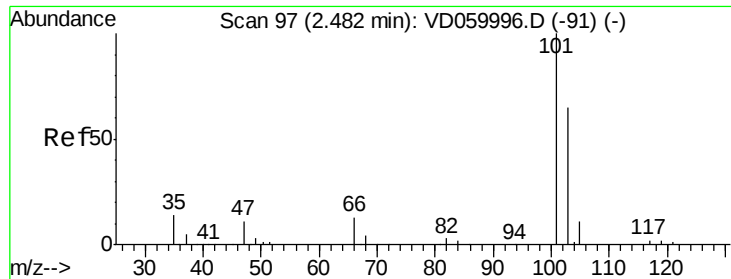
66 31.7 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

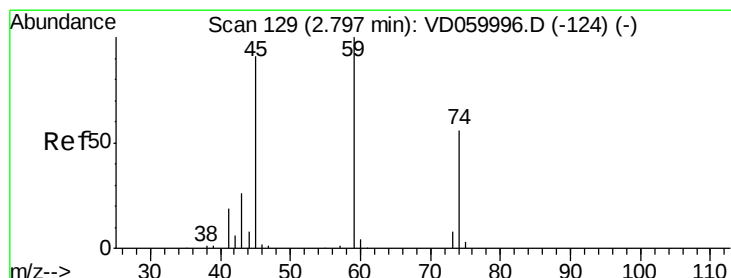
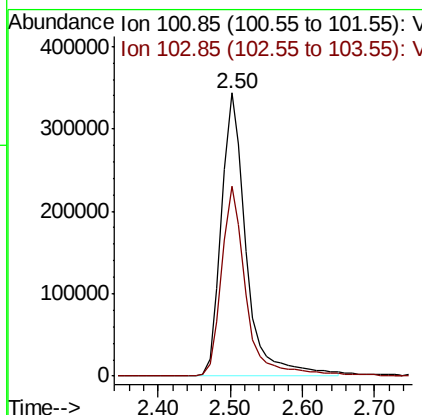
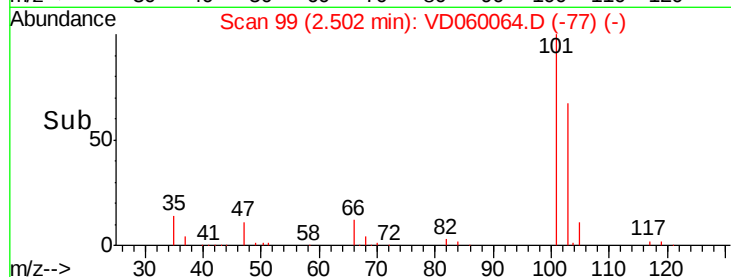
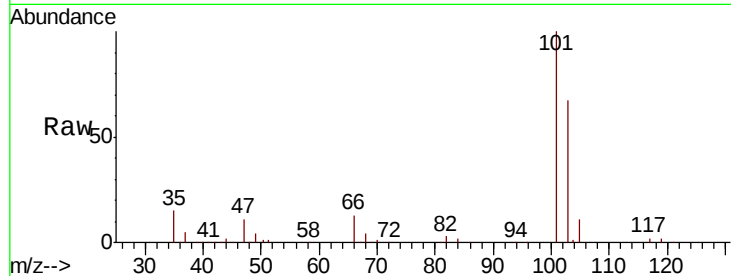
Trichlorofluoromethane
Concen: 57.057 ug/l
RT: 2.50 min Scan# 99
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

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Tot Ion: 101 Resp: 820065
Ion Ratio Lower Upper
101 100
103 67.2 51.6 77.4

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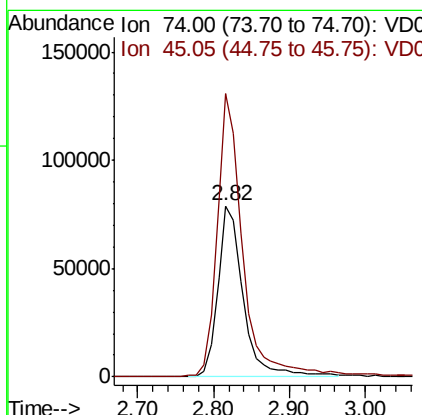
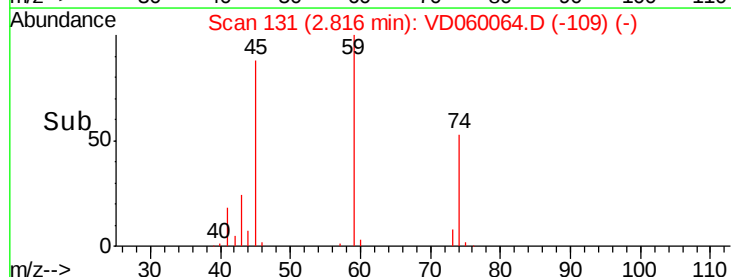
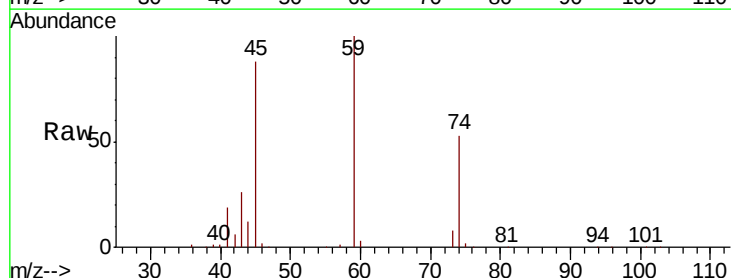
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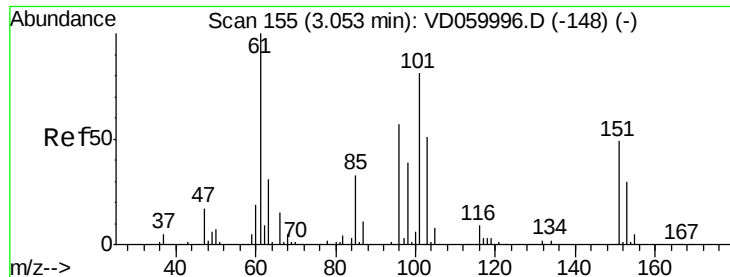


#8

Diethyl Ether
Concen: 60.425 ug/l
RT: 2.82 min Scan# 131
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 74 Resp: 184618
Ion Ratio Lower Upper
74 100
45 165.3 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.986 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.03 min

Lab File: VD060064.D

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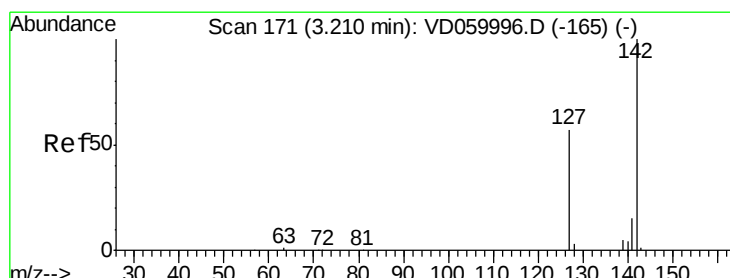
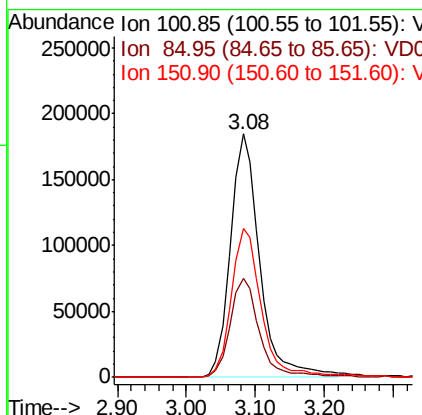
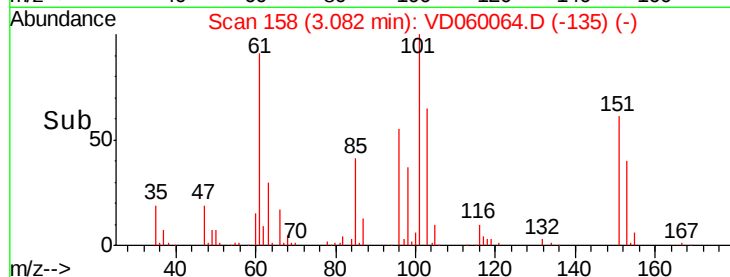
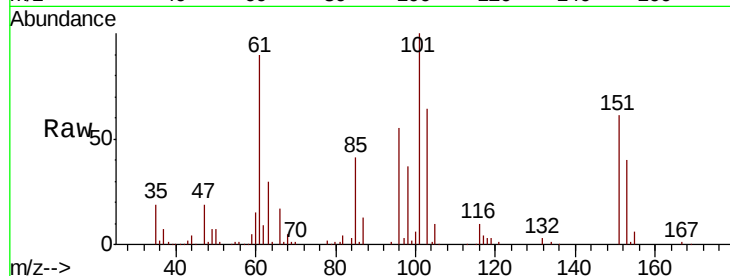
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	543659
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.1	49.7
151	61.2	48.2	72.4

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#10

Methyl Iodide

Concen: 62.607 ug/l

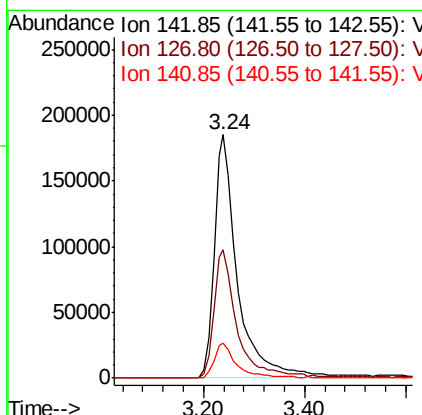
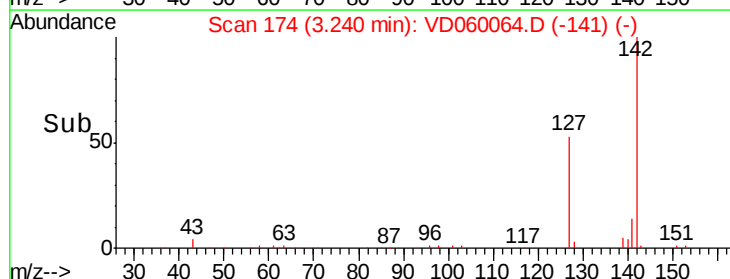
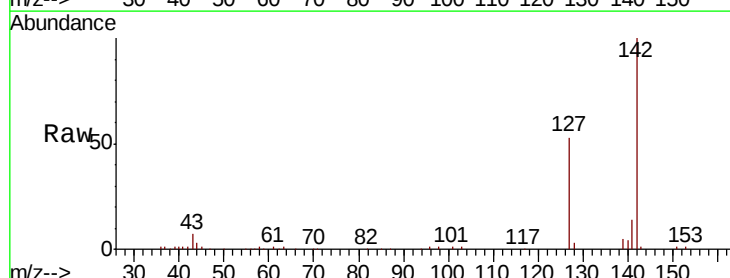
RT: 3.24 min Scan# 174

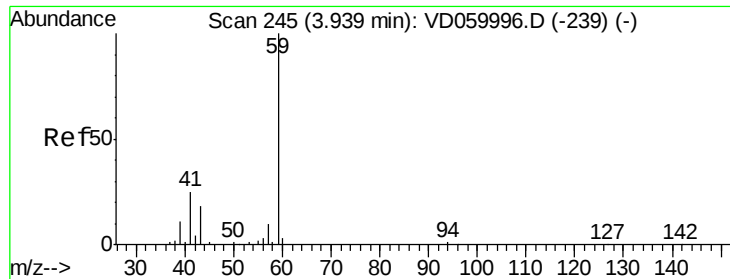
Delta R.T. 0.03 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Tgt Ion:	142	Resp:	600970
Ion Ratio	Lower	Upper	
142	100		
127	52.9	45.8	68.8
141	14.2	12.2	18.4





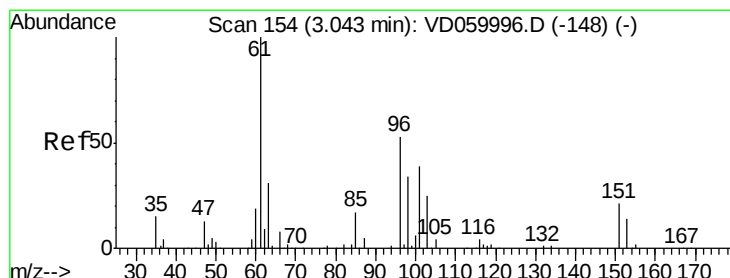
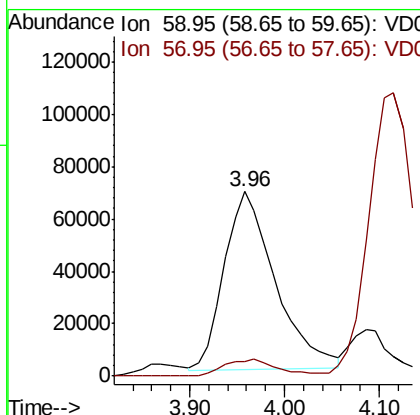
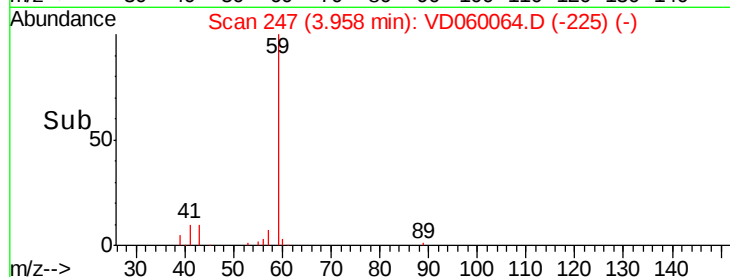
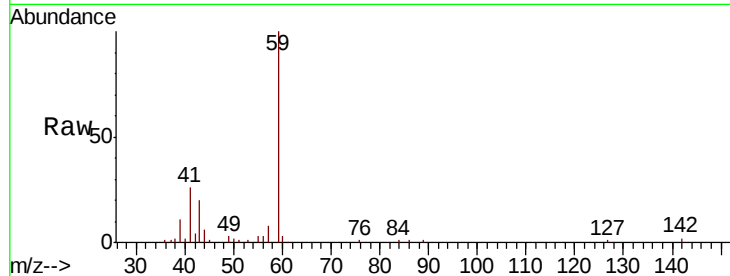
#11
Tert butyl alcohol
Concen: 231.184 ug/l
RT: 3.96 min Scan# 247
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 253361
Ion Ratio Lower Upper
59 100
57 8.1 7.4 11.2

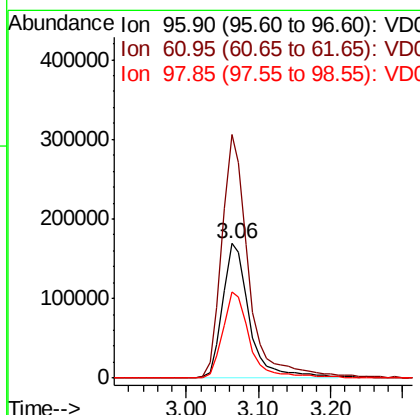
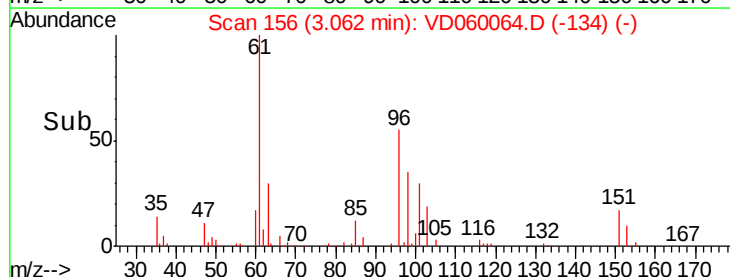
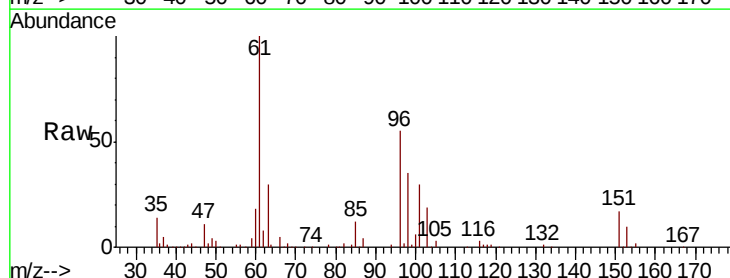
Manual Integrations
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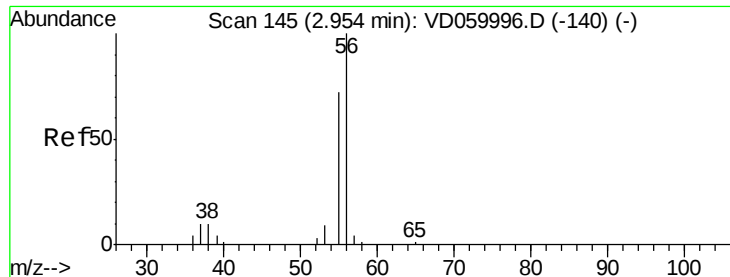
apatel
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#12
1,1-Dichloroethene
Concen: 60.983 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 96 Resp: 437014
Ion Ratio Lower Upper
96 100
61 180.7 149.8 224.6
98 64.0 50.2 75.4





#13

Acrolein

Concen: 235.001 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 159488

Ion Ratio Lower Upper

56 100

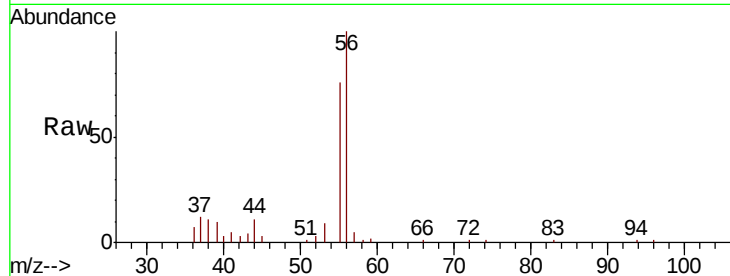
55 76.4 58.3 87.5

Manual Integrations

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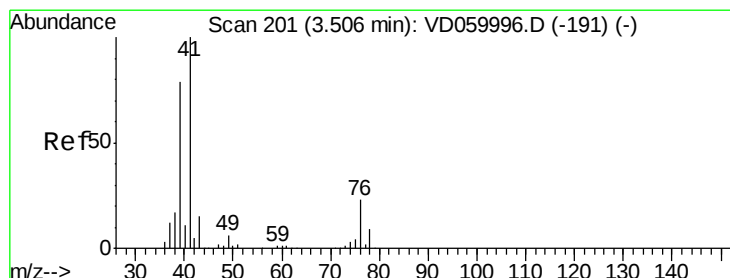
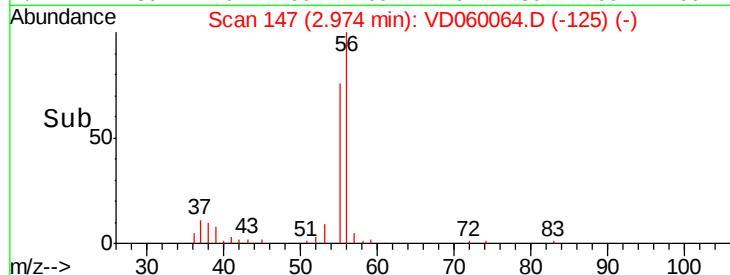
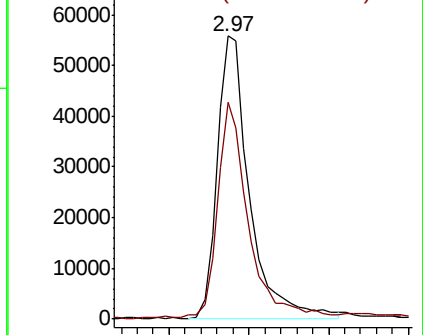
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 57.682 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

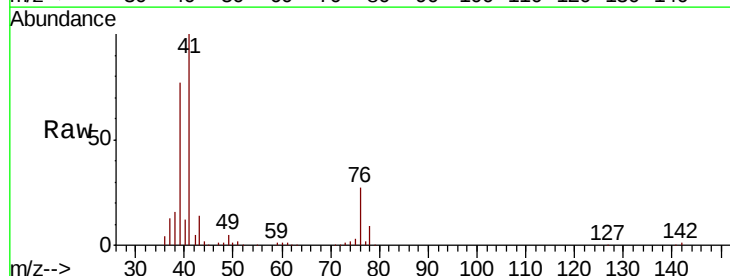
Tgt Ion: 41 Resp: 871745

Ion Ratio Lower Upper

41 100

39 76.9 63.6 95.4

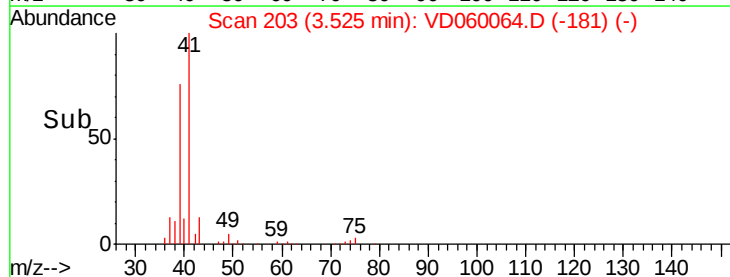
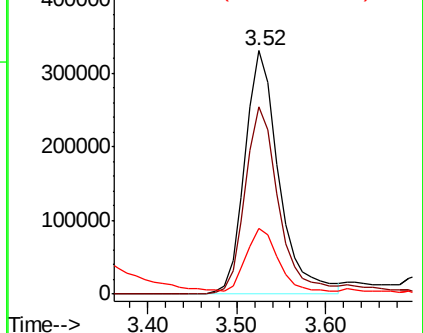
76 27.2 21.1 31.7

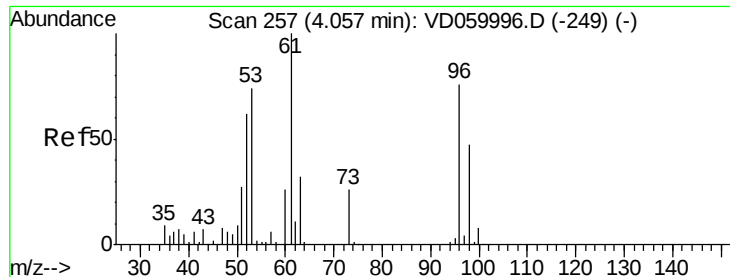


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 256.219 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1059933

Ion Ratio Lower Upper

53 100

52 83.5 66.7 100.1

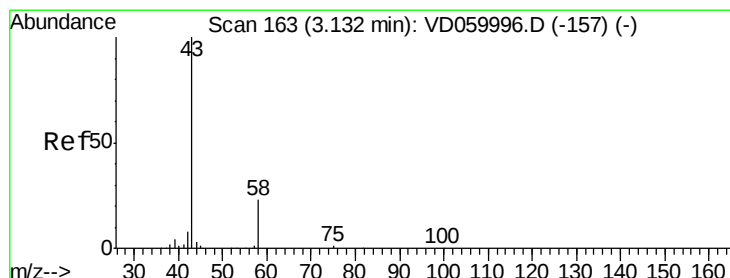
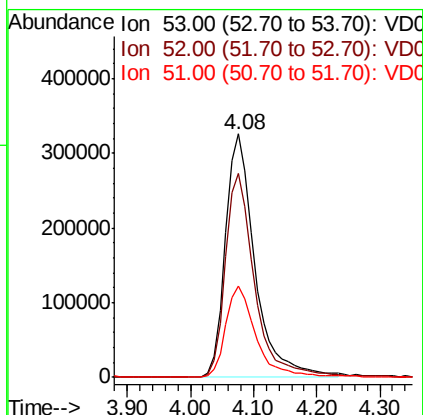
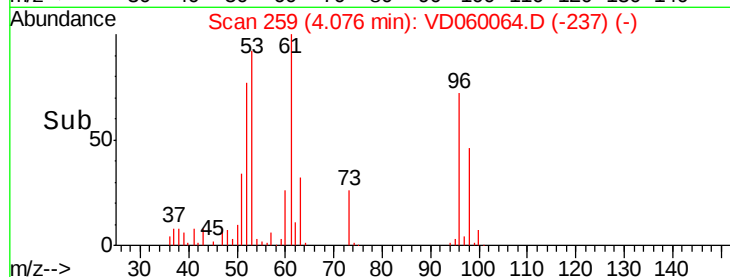
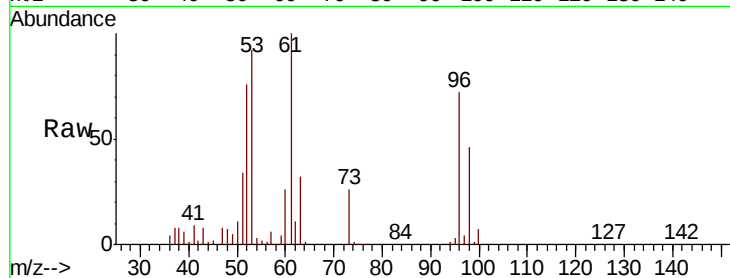
51 37.7 29.0 43.6

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#16

Acetone

Concen: 284.955 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060064.D

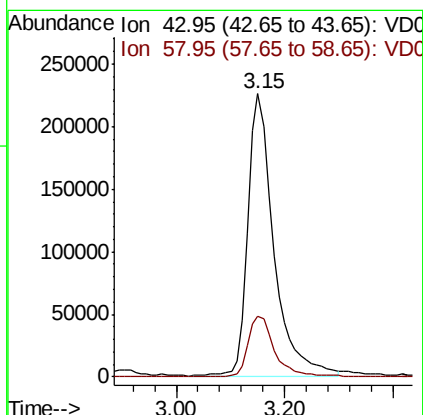
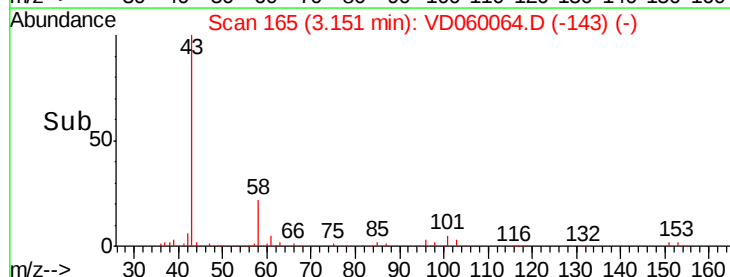
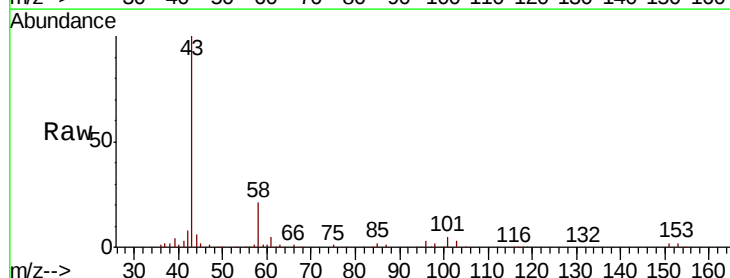
Acq: 21 Sep 2018 11:21

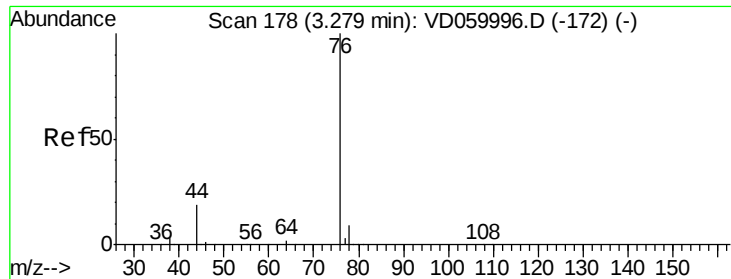
Tgt Ion: 43 Resp: 747227

Ion Ratio Lower Upper

43 100

58 21.5 18.1 27.1





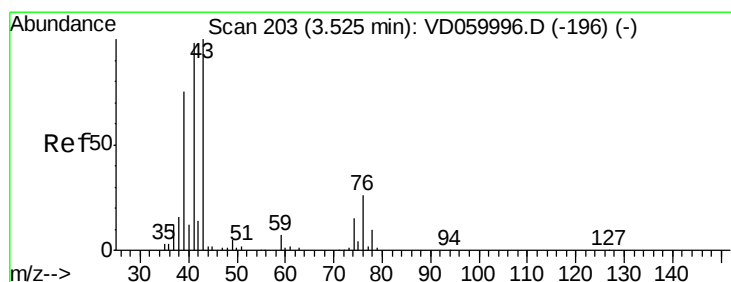
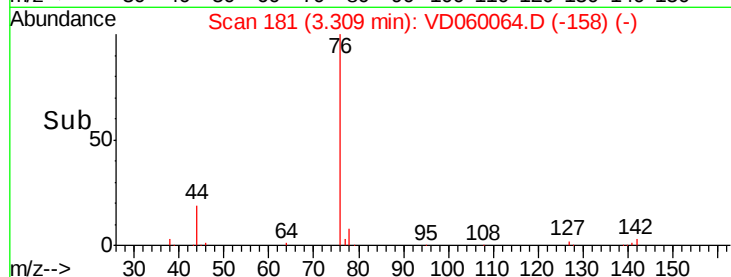
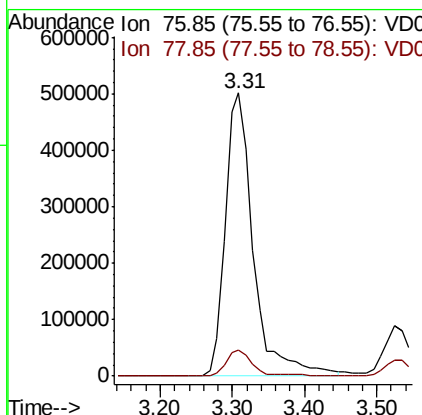
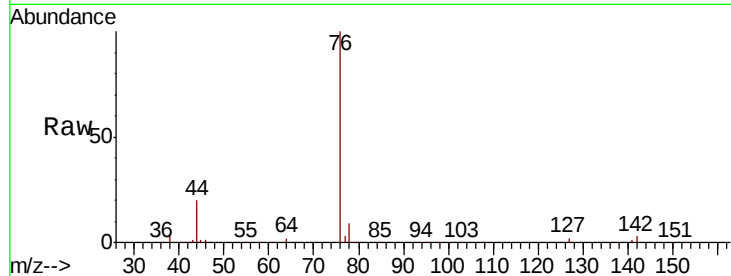
#17
Carbon Disulfide
Concen: 54.615 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.03 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1348485
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

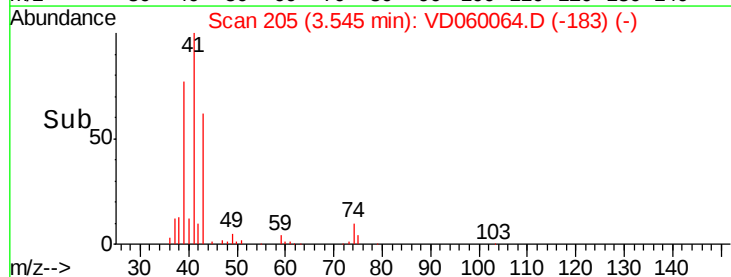
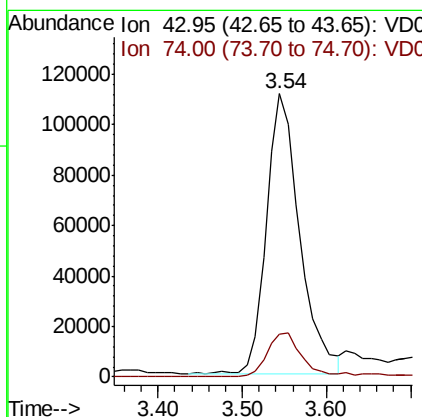
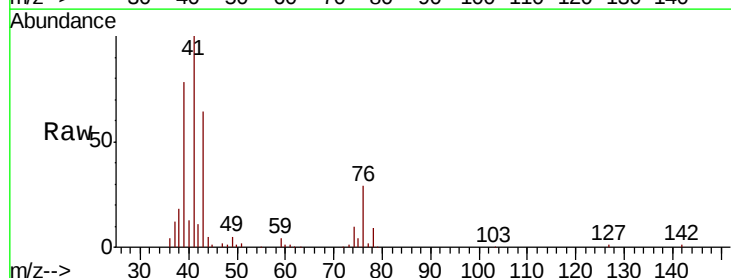
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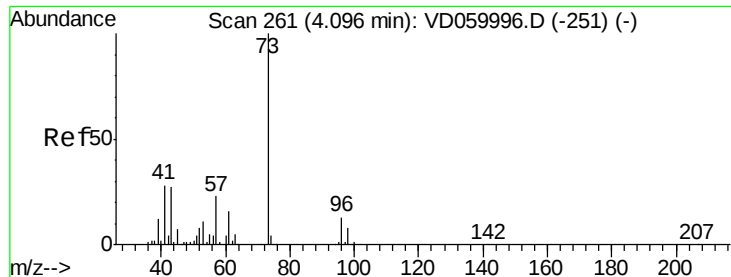
apatel
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#18
Methyl Acetate
Concen: 57.765 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 43 Resp: 308057
Ion Ratio Lower Upper
43 100
74 15.2 11.8 17.8





#19

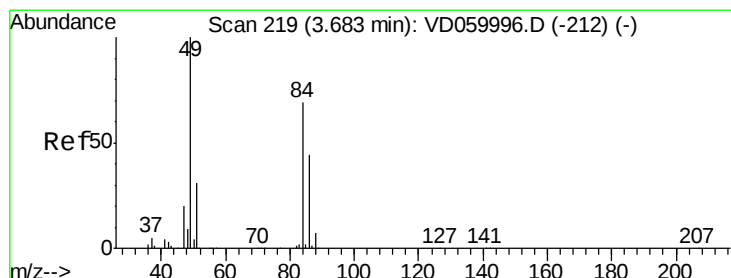
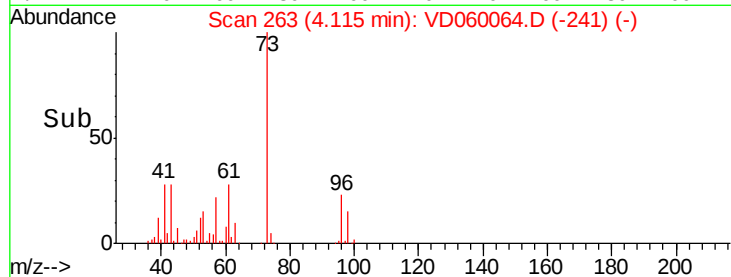
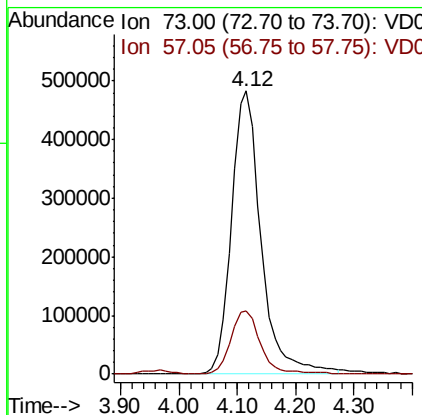
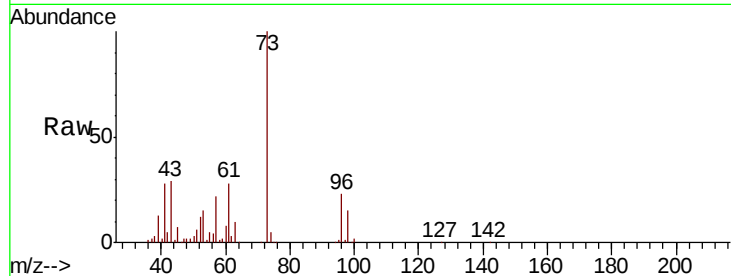
Methvl tert-butvl Ether
 Concen: 51.428 ug/l
 RT: 4.12 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1702836
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.4 27.6

Manual Integrations
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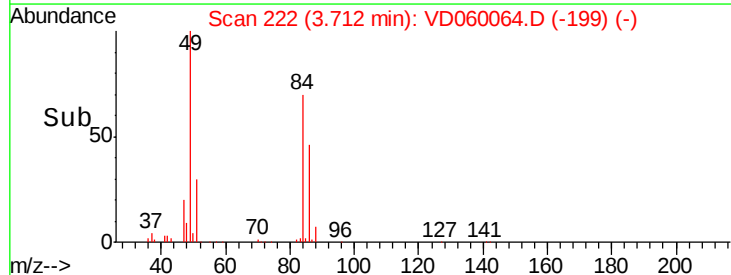
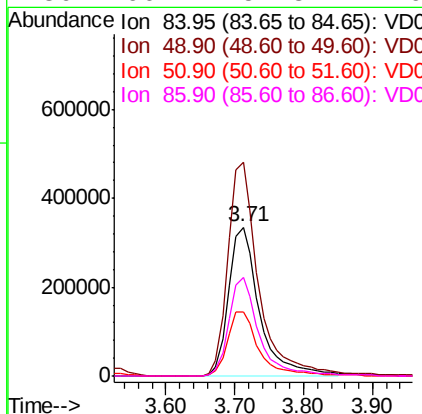
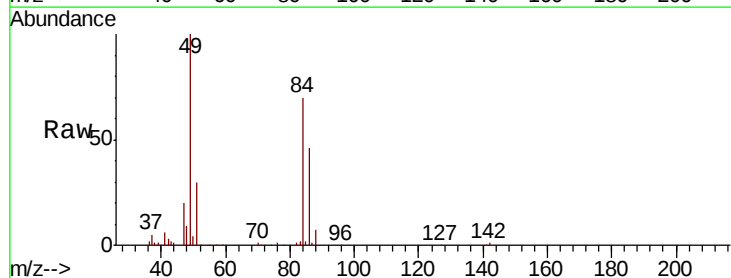
apatel
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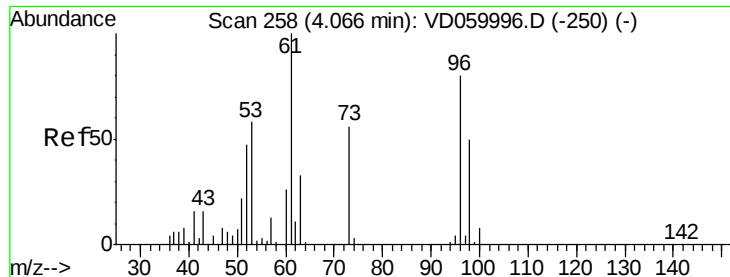


#20

Methylene Chloride
 Concen: 56.694 ug/l
 RT: 3.71 min Scan# 222
 Delta R.T. 0.03 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion: 84 Resp: 1039802
 Ion Ratio Lower Upper
 84 100
 49 143.6 116.6 175.0
 51 43.4 35.9 53.9
 86 66.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.897 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 975951

Ion Ratio Lower Upper

96 100

61 129.5 100.1 150.1

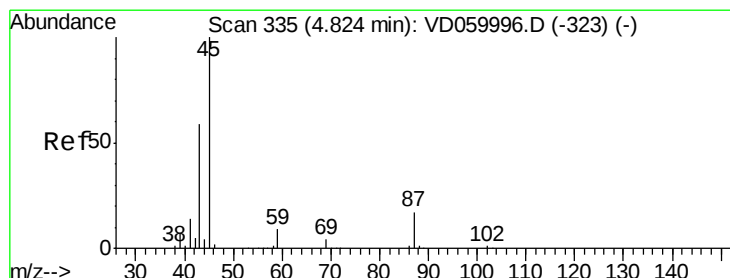
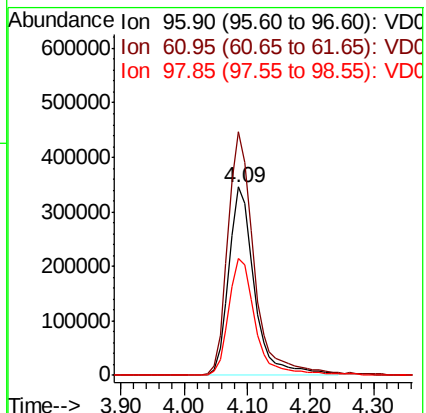
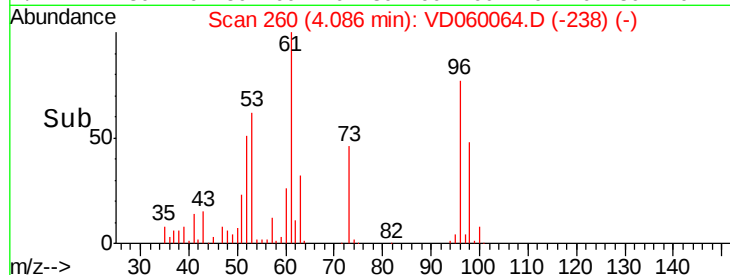
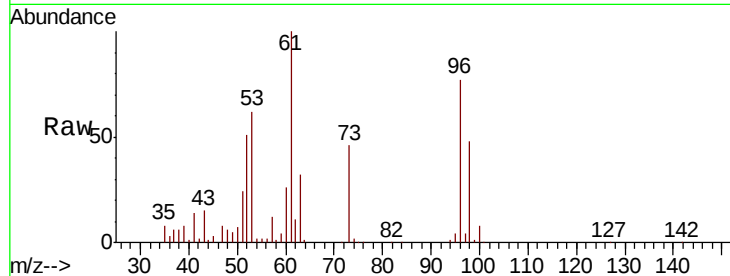
98 62.4 49.5 74.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.436 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Tgt Ion: 45 Resp: 3683736

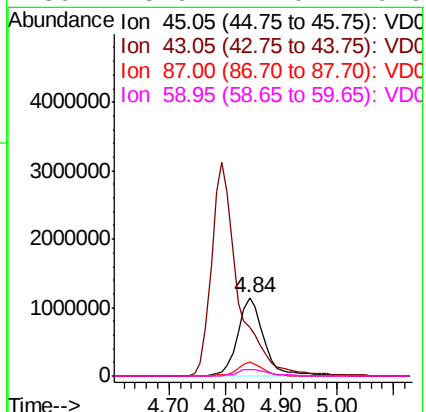
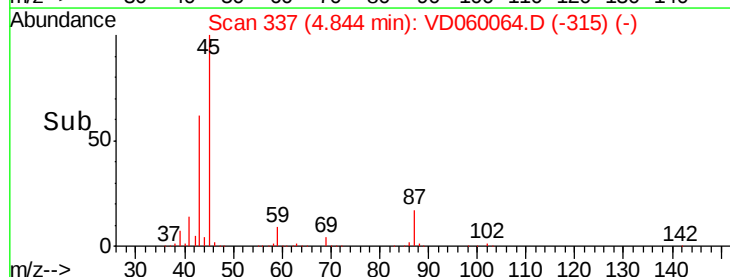
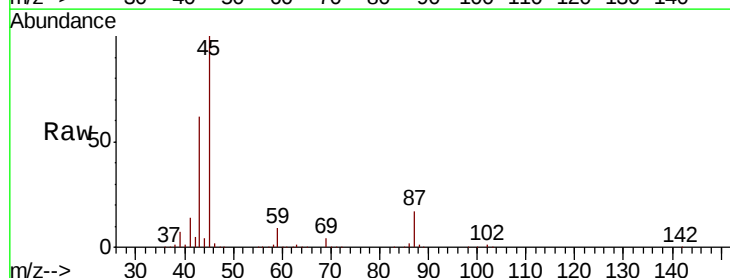
Ion Ratio Lower Upper

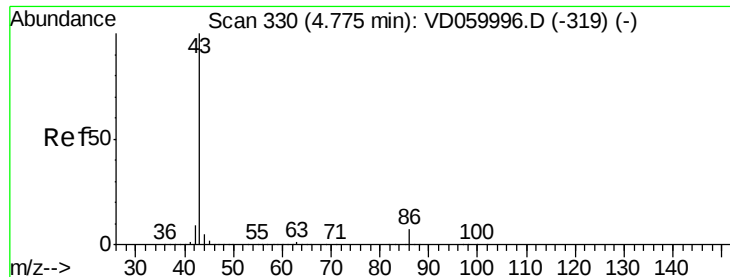
45 100

43 62.2 47.1 70.7

87 17.3 14.2 21.2

59 8.9 7.0 10.6





#23

Vinyl Acetate

Concen: 264.695 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp:10337529

Ion Ratio Lower Upper

43 100

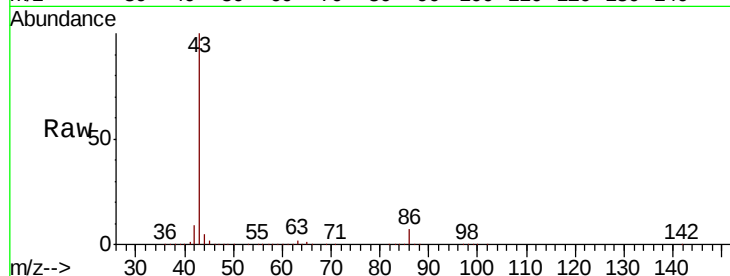
86 7.1 5.5 8.3

Manual Integrations

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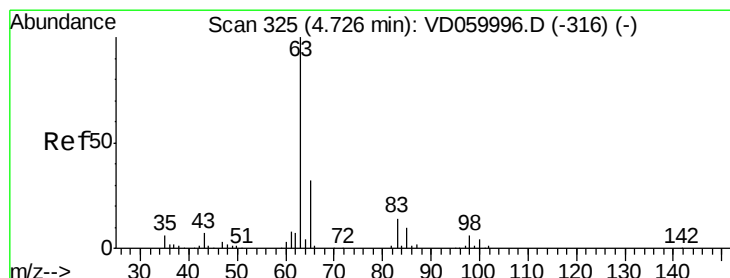
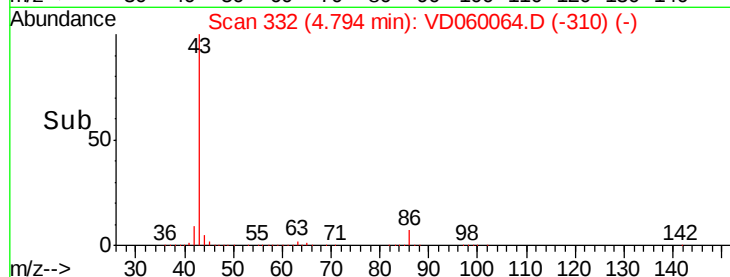
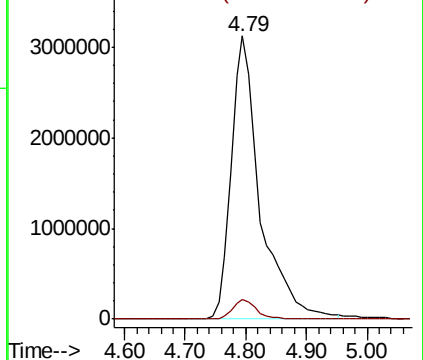
apatel

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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: 53.939 ug/l

RT: 4.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

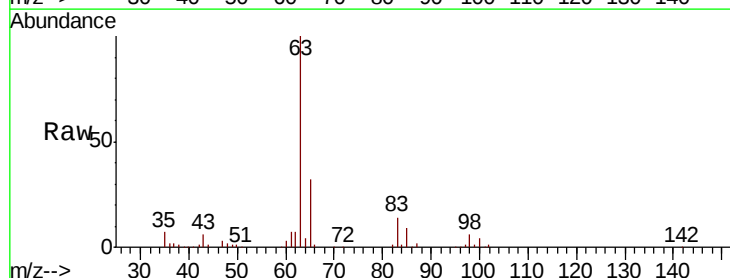
Tgt Ion: 63 Resp: 1668657

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

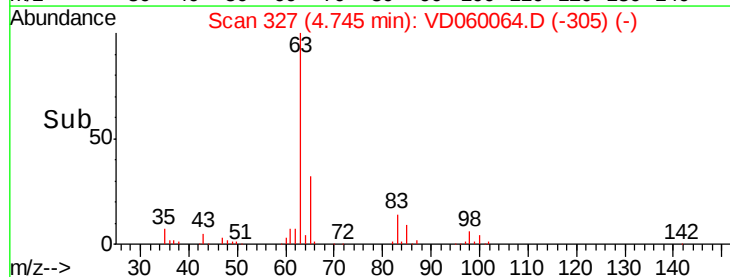
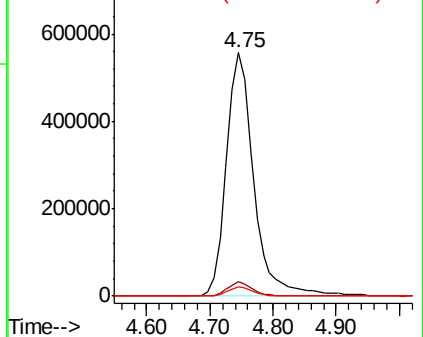
100 3.6 1.8 5.4

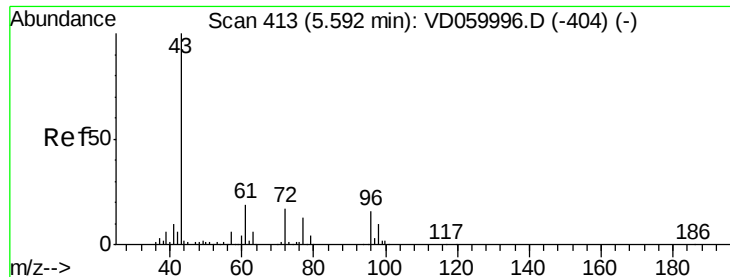


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 234.166 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1656983

Ion Ratio Lower Upper

43 100

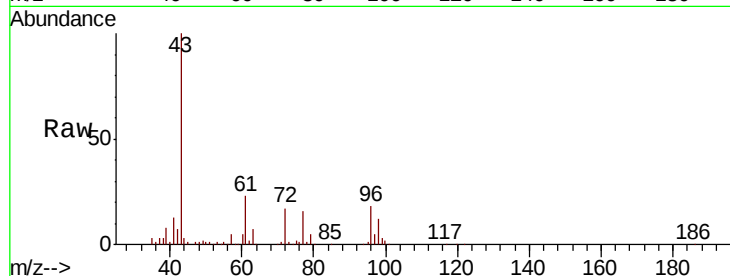
72 16.8 13.6 20.4

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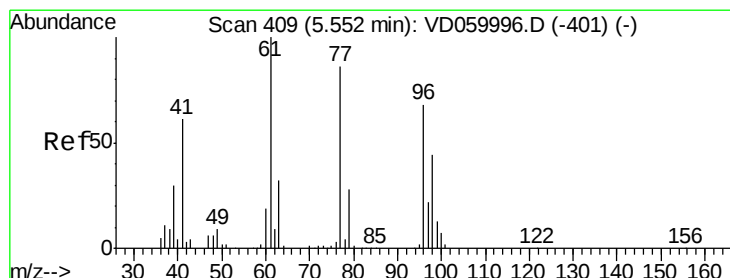
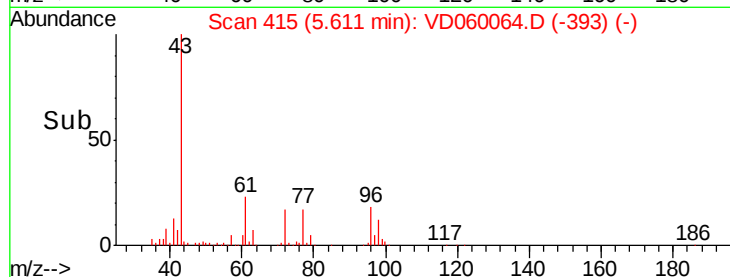
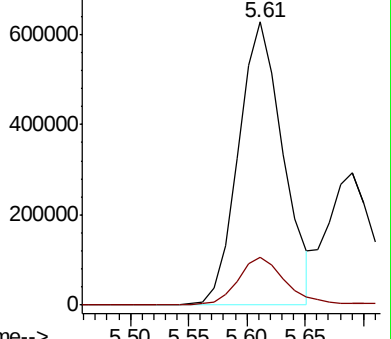
apatel

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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: 54.149 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060064.D

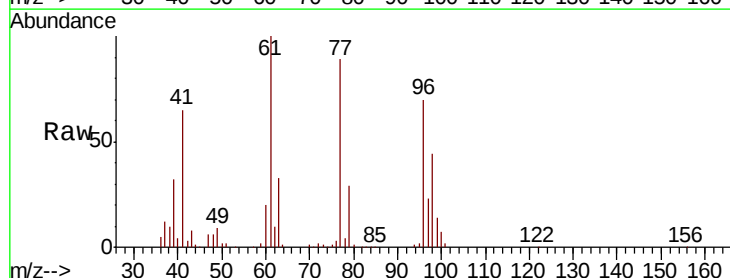
Acq: 21 Sep 2018 11:21

Tgt Ion: 77 Resp: 1302360

Ion Ratio Lower Upper

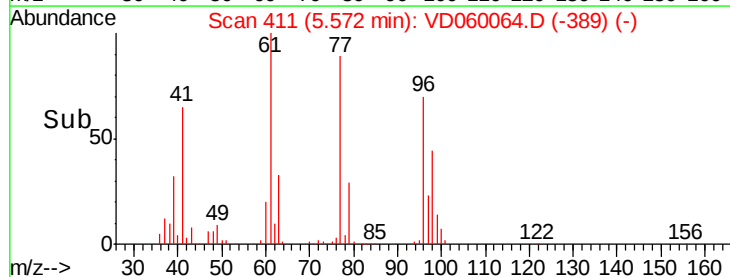
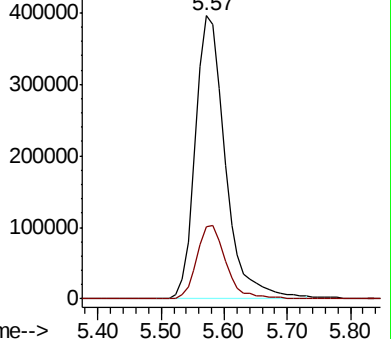
77 100

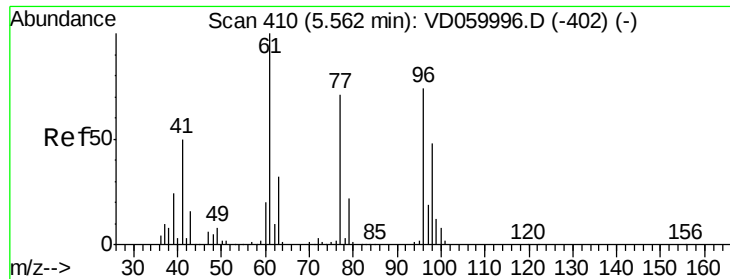
97 25.7 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





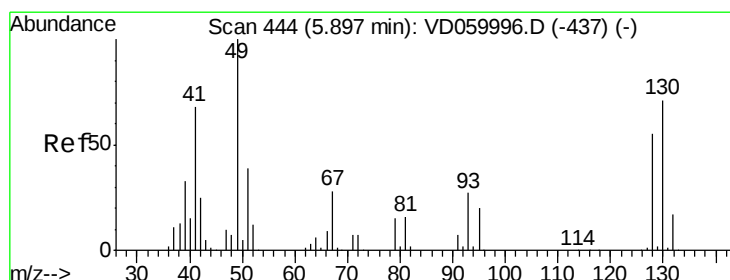
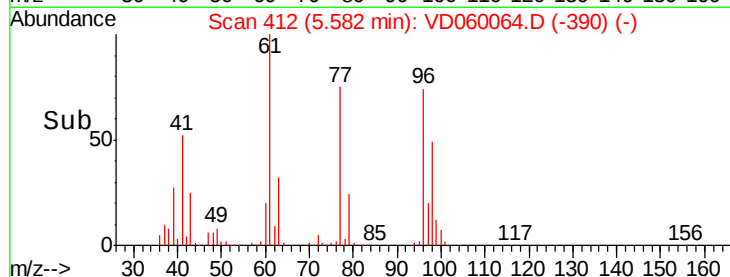
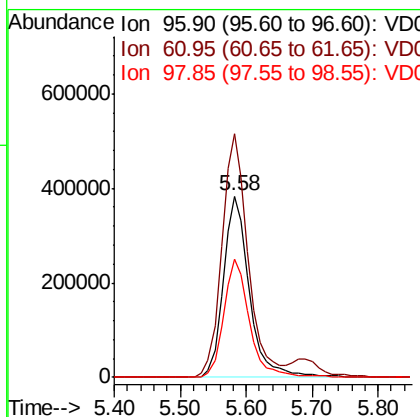
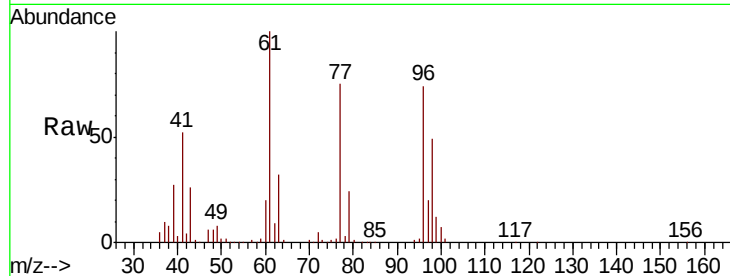
#27
 cis-1,2-Dichloroethene
 Concen: 53.656 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 1055455
 Ion Ratio Lower Upper
 96 100
 61 134.6 0.0 269.6
 98 65.6 0.0 128.4

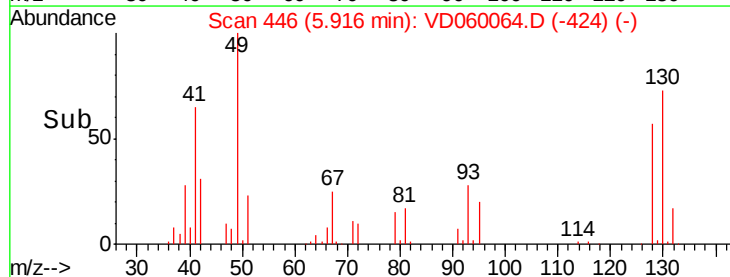
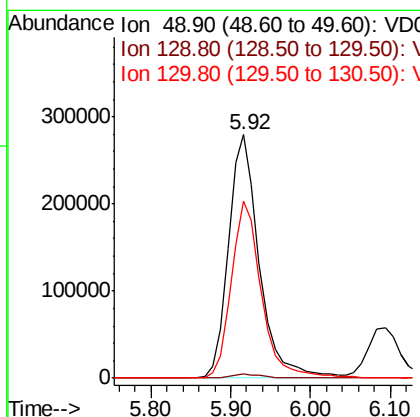
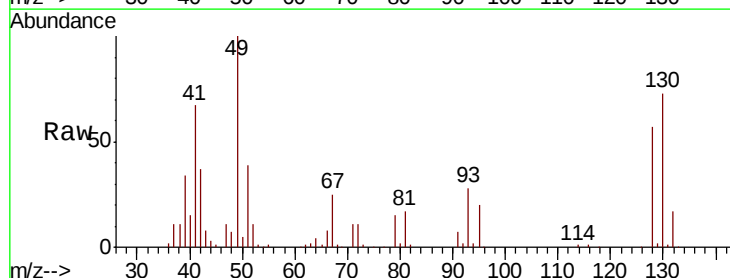
Manual Integrations
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#28
 Bromochloromethane
 Concen: 50.550 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion: 49 Resp: 751703
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 72.9 57.1 85.7





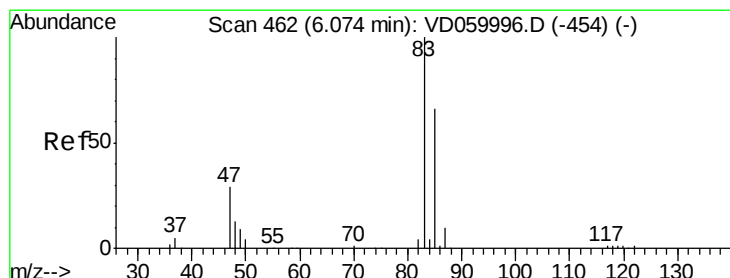
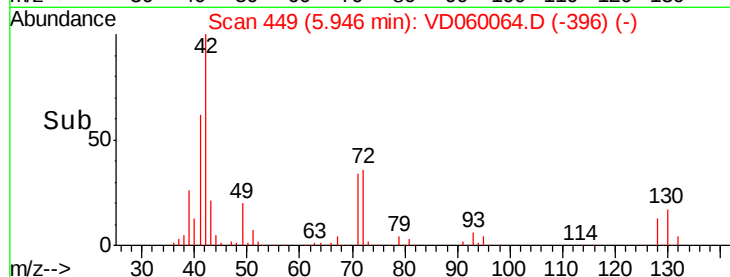
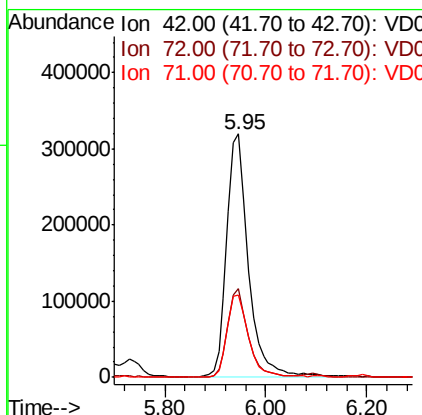
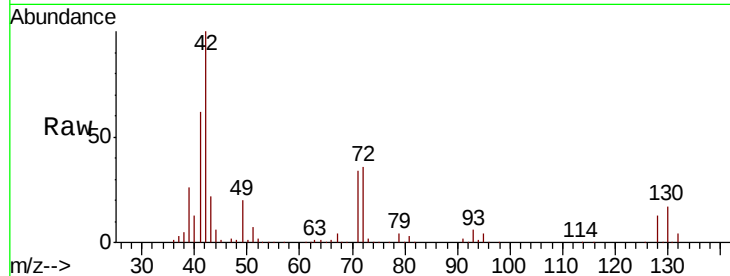
#29
Tetrahydrofuran
Concen: 248.711 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	26.9	40.3
71	34.0	26.2	39.4

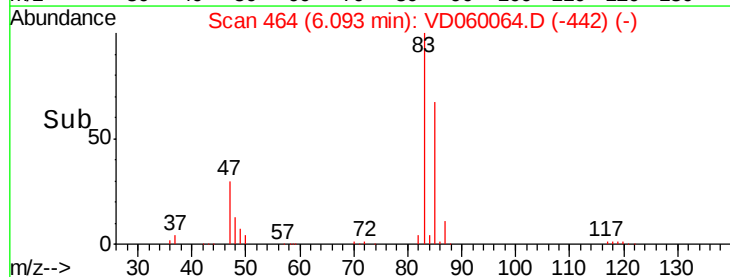
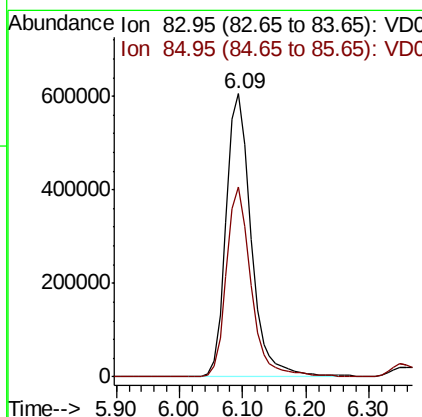
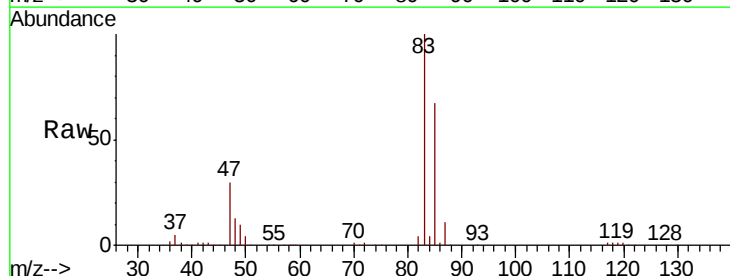
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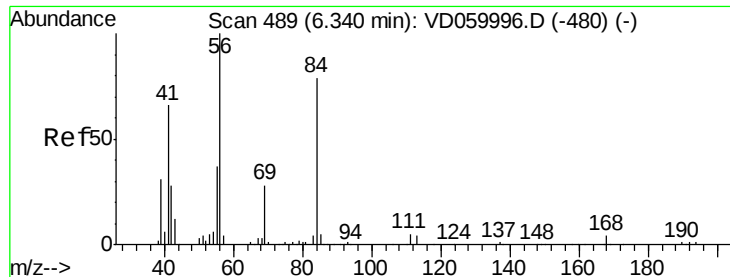
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#30
Chloroform
Concen: 53.239 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.6	78.8





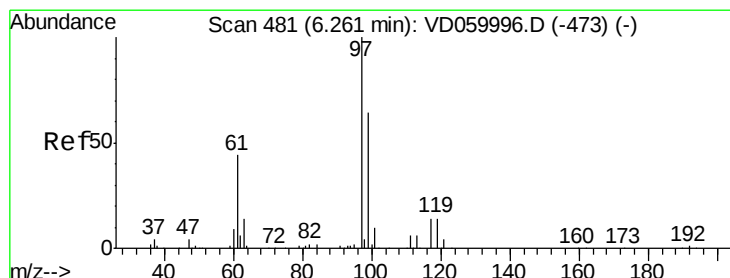
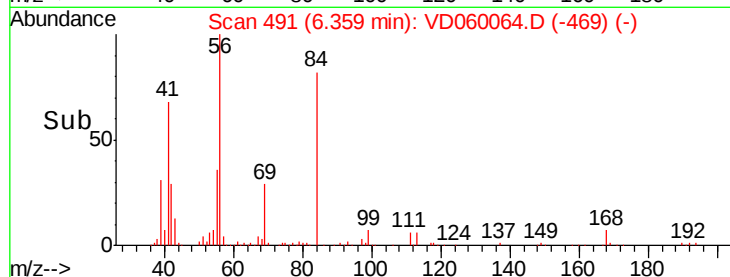
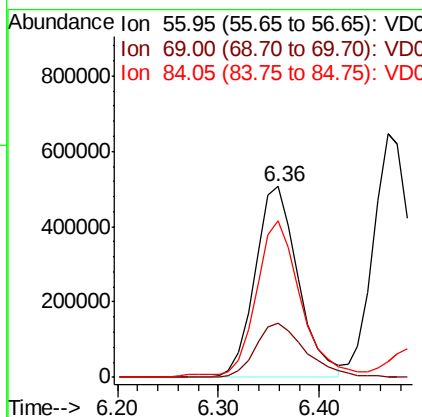
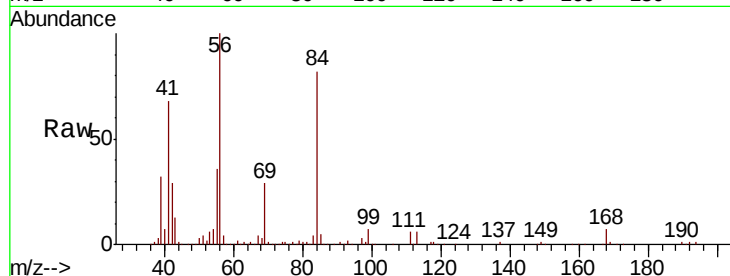
#31
Cyclohexane
Concen: 49.746 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1500496
Ion Ratio Lower Upper
56 100
69 28.6 22.7 34.1
84 81.9 64.0 96.0

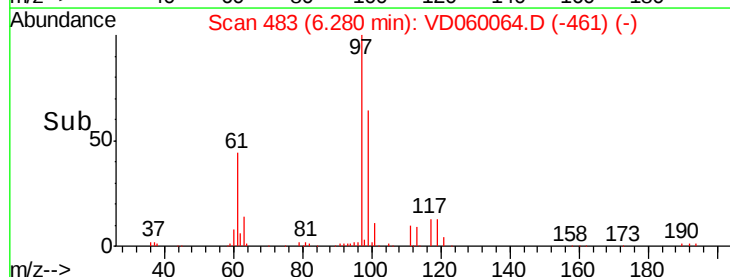
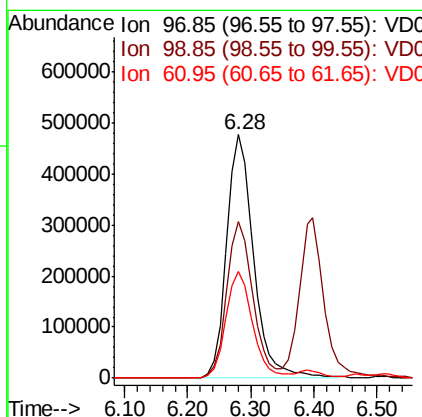
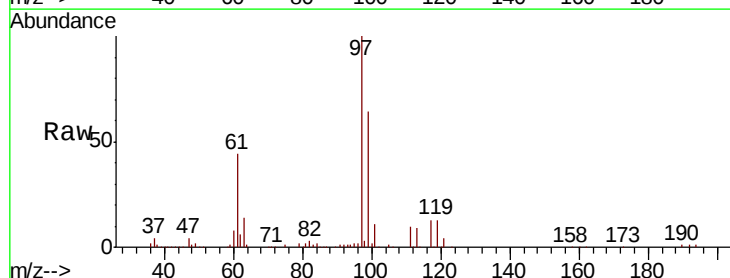
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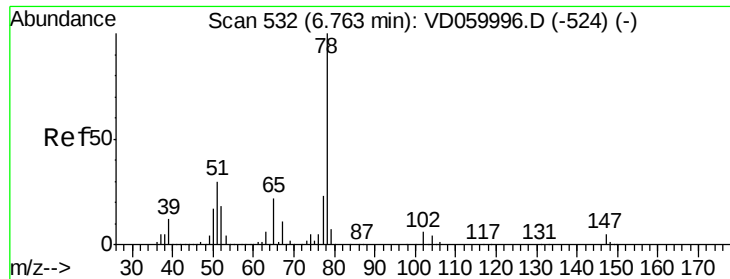
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#32
1,1,1-Trichloroethane
Concen: 53.994 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 97 Resp: 1404922
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 43.7 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 53.994 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Tot Ion: 65 Resp: 721763

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8

Instrument :

MSVOA_D

ClientSampleId :

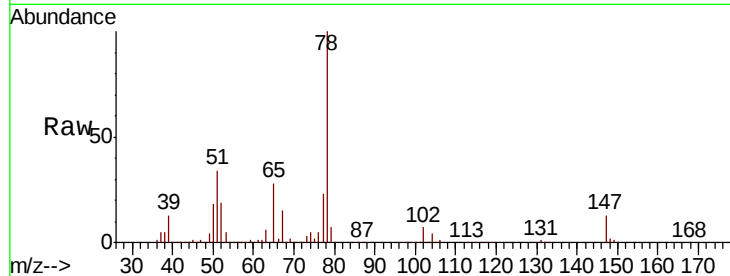
VSTDCCC050

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

300000

250000

200000

150000

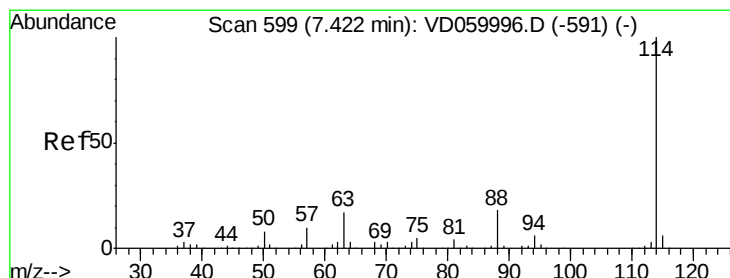
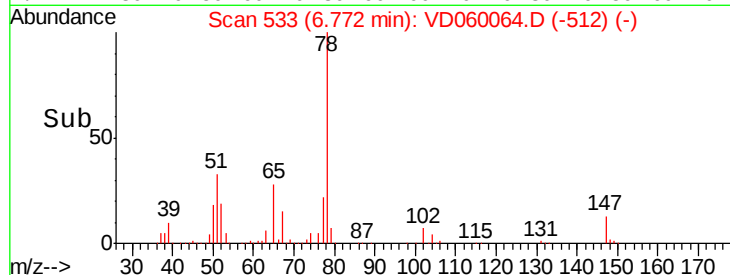
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

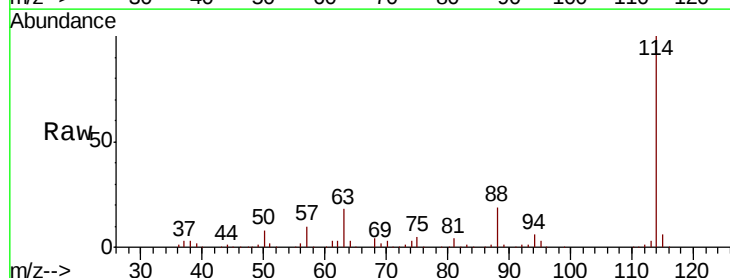
Tgt Ion: 114 Resp: 2411717

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 18.7 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

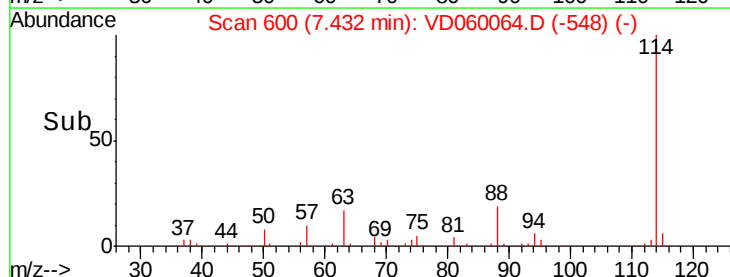
1000000

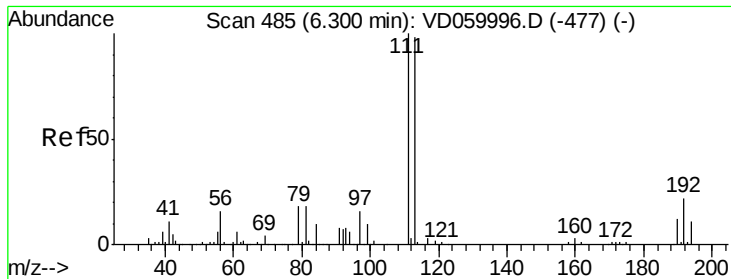
500000

0

7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 1005465

Ion Ratio Lower Upper

113 100

111 104.1 81.3 121.9

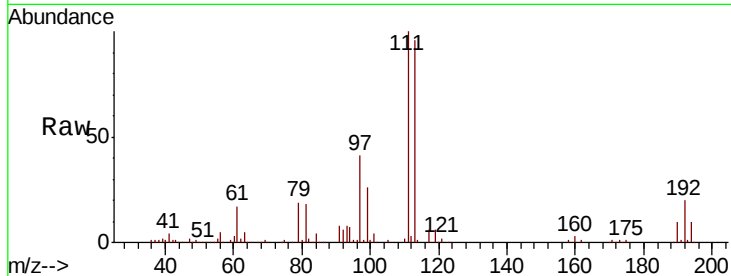
192 20.5 18.1 27.1

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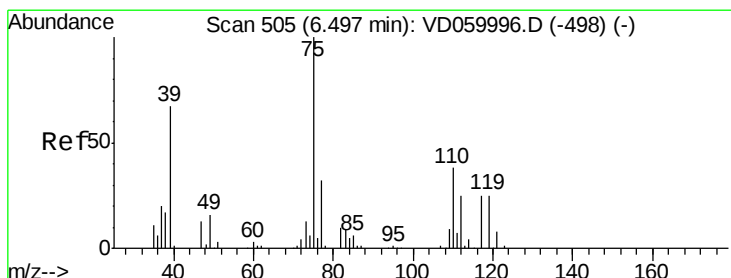
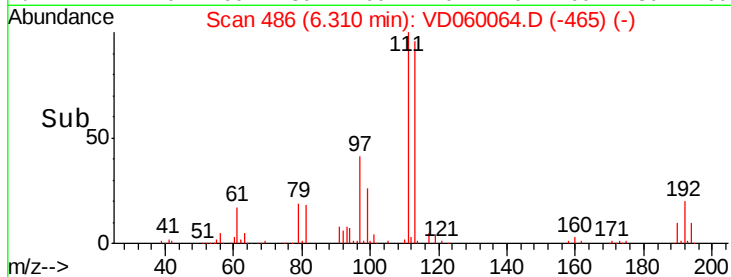
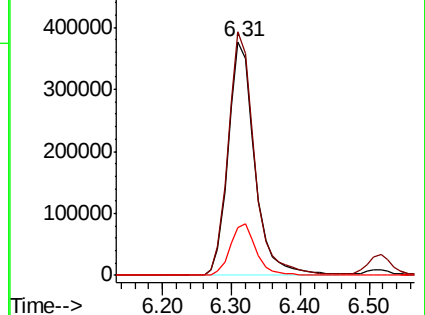
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Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.724 ug/l

RT: 6.52 min Scan# 507

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

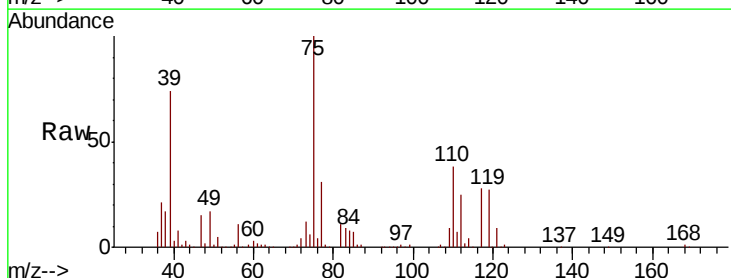
Tgt Ion: 75 Resp: 1239125

Ion Ratio Lower Upper

75 100

110 37.8 18.9 56.9

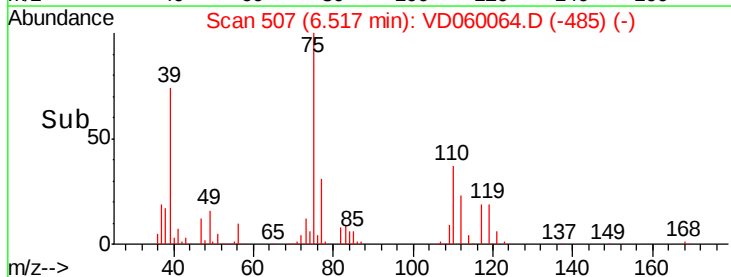
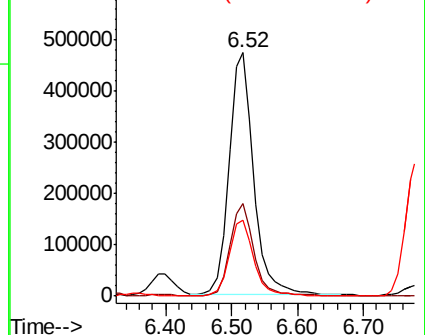
77 31.0 25.3 37.9

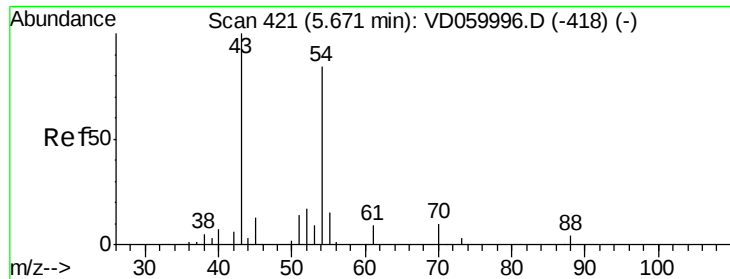


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





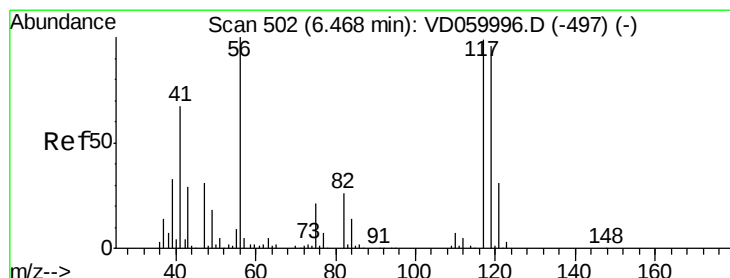
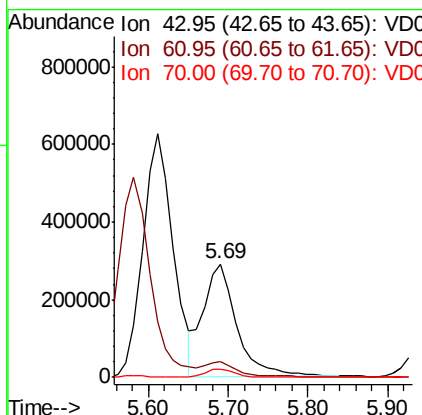
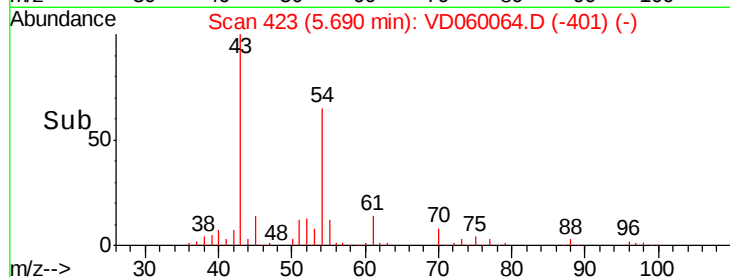
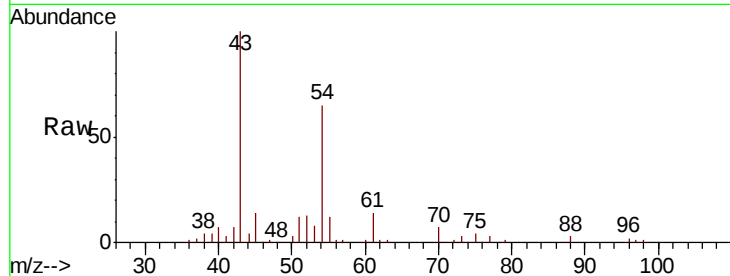
#37
Ethyl Acetate
Concen: 51.513 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	7.5	6.1	9.1

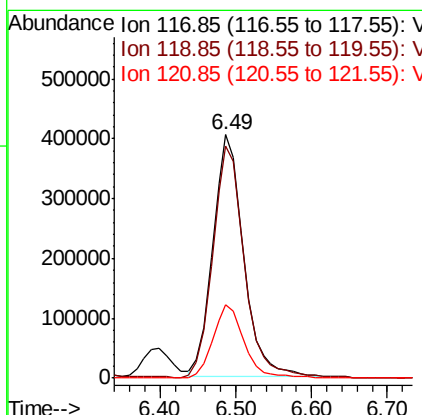
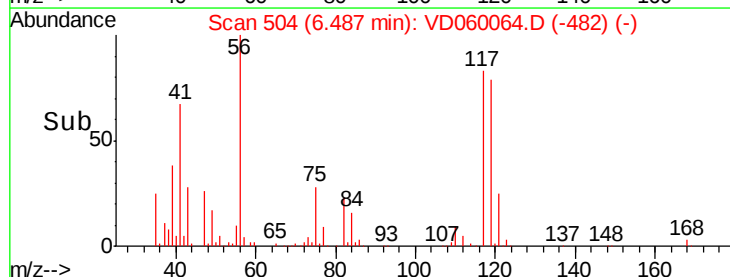
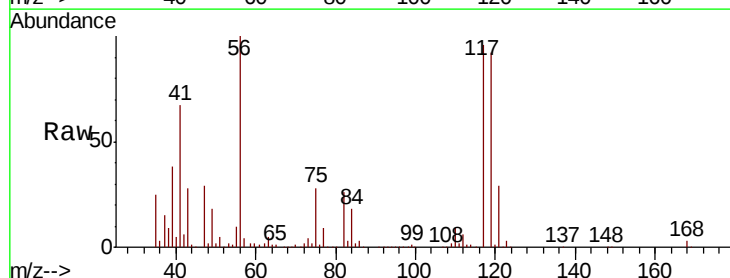
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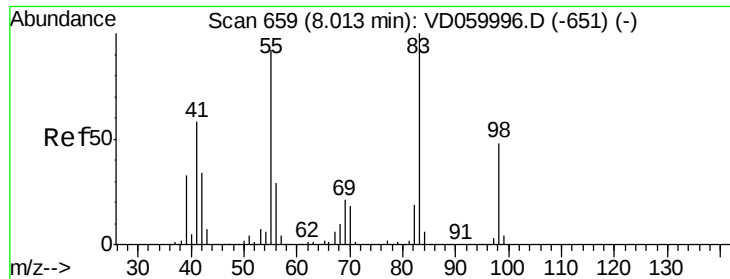
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#38
Carbon Tetrachloride
Concen: 51.323 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.7	115.1
121	30.1	24.9	37.3





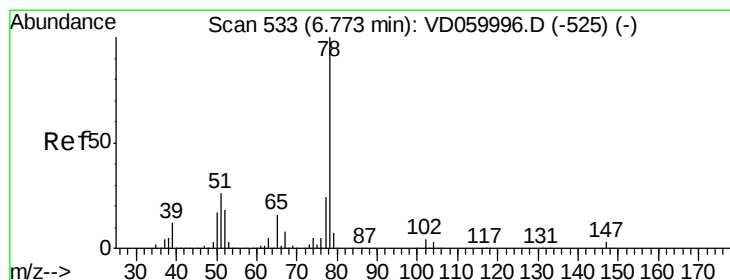
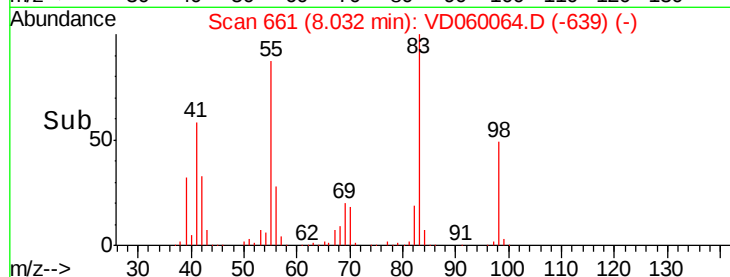
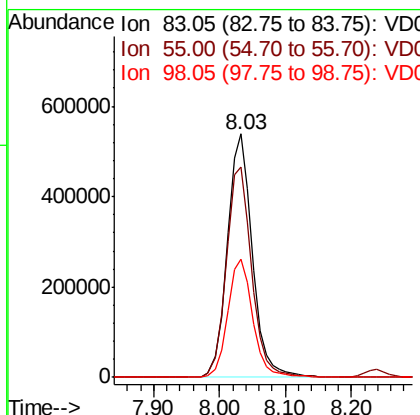
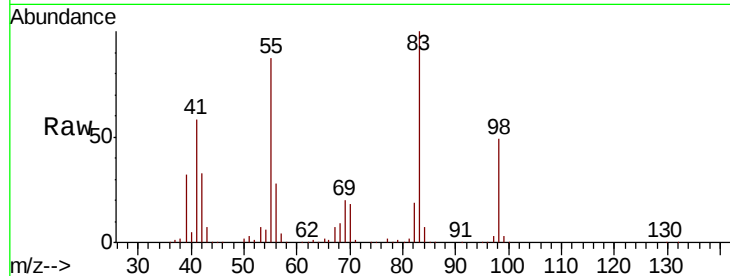
#39
Methvlcvclohexane
Concen: 52.937 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1434636
Ion Ratio Lower Upper
83 100
55 86.6 73.8 110.6
98 48.8 38.1 57.1

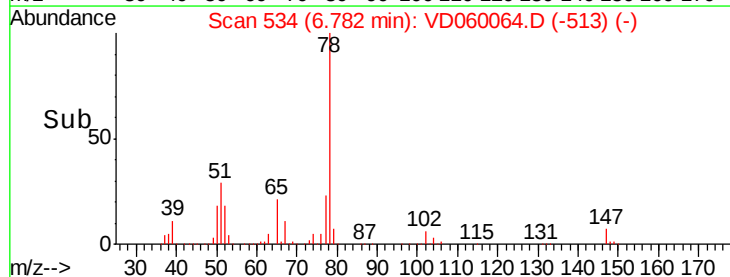
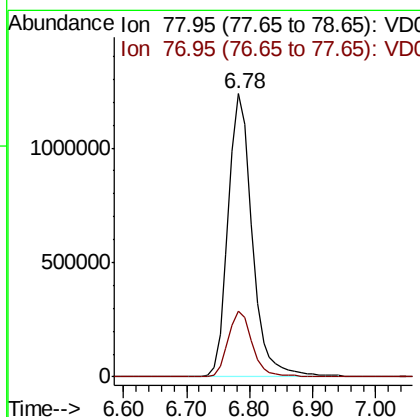
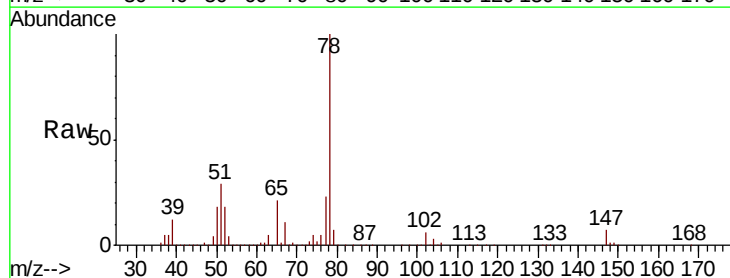
Manual Integrations
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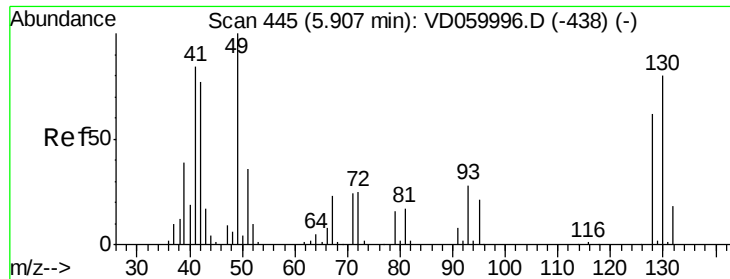
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#40
Benzene
Concen: 53.620 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 78 Resp: 3274014
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





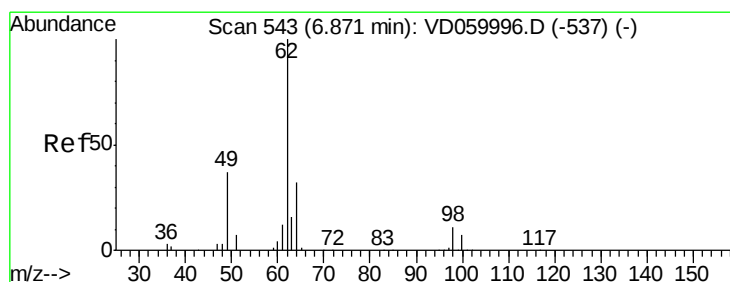
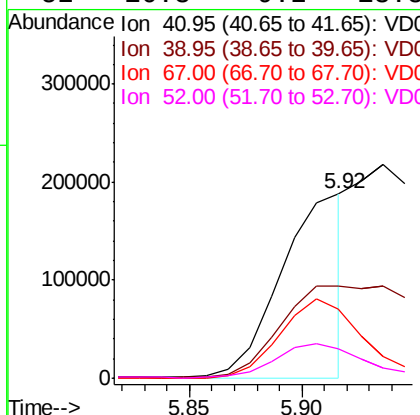
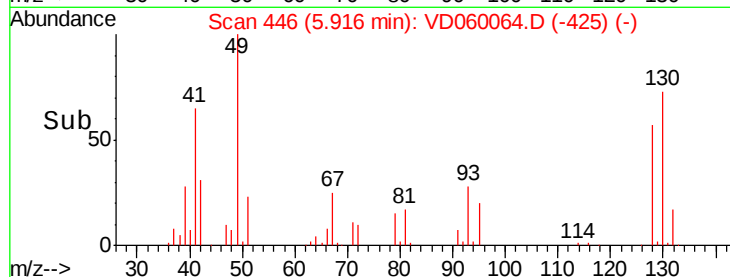
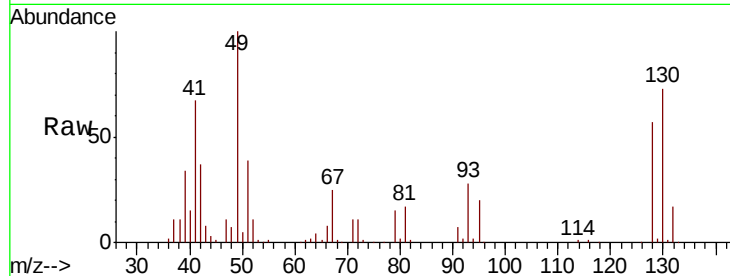
#41
Methacrylonitrile
Concen: 43.574 ug/l m
RT: 5.92 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	50.2	37.5	56.3	
67	37.5	21.5	32.3	
52	16.3	9.2	13.8	

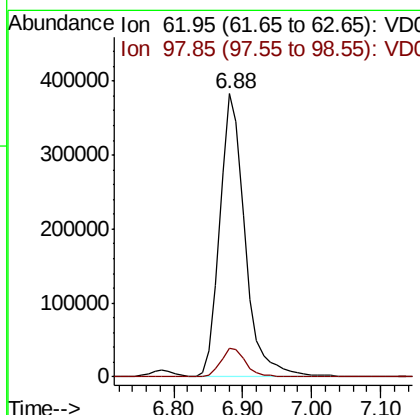
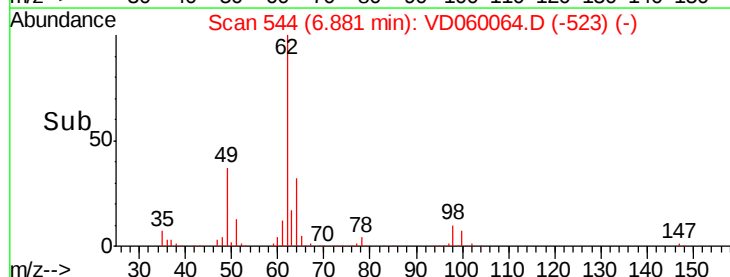
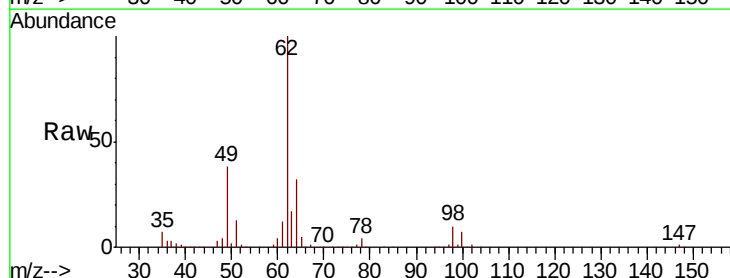
Manual Integrations
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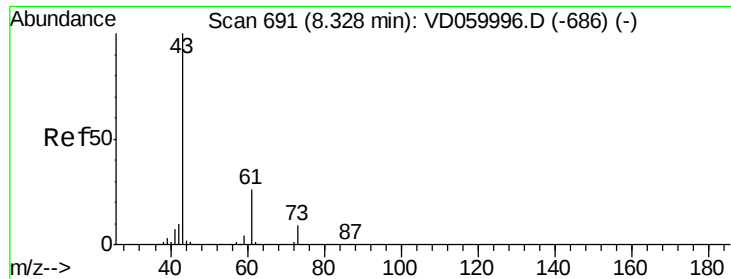
apatel
9/24/2018 1:01:32 PM



#42
1,2-Dichloroethane
Concen: 52.471 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.2	0.0	21.4	





#43

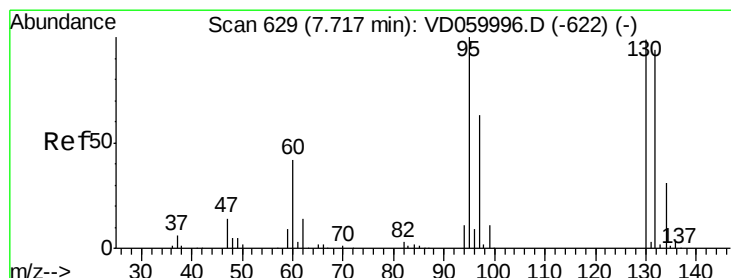
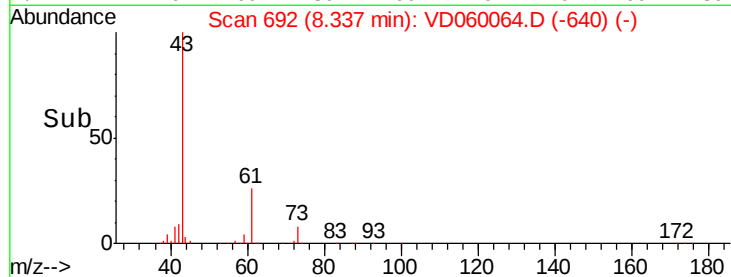
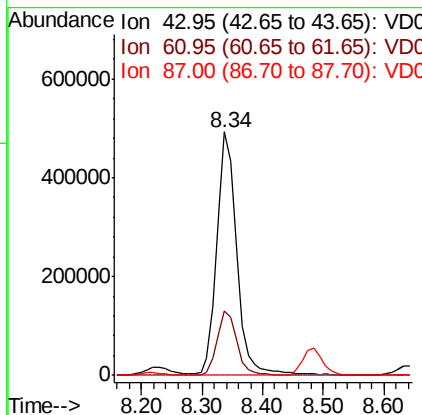
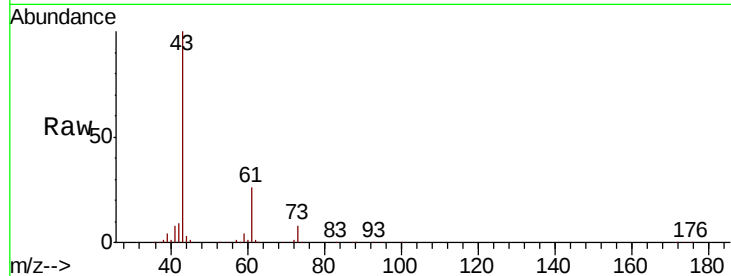
Isopropyl Acetate
 Concen: 50.631 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1116818
 Ion Ratio Lower Upper
 43 100
 61 26.3 21.0 31.6
 87 0.3 0.2 0.2#

Manual Integrations
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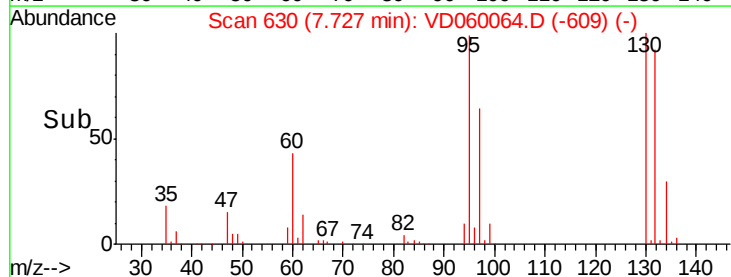
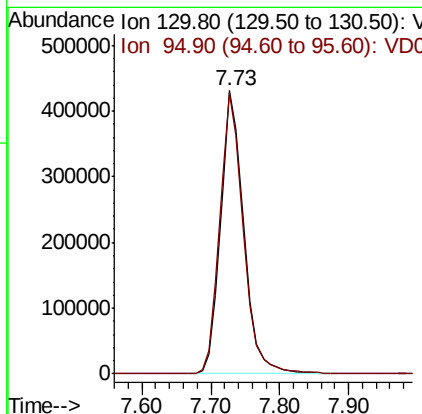
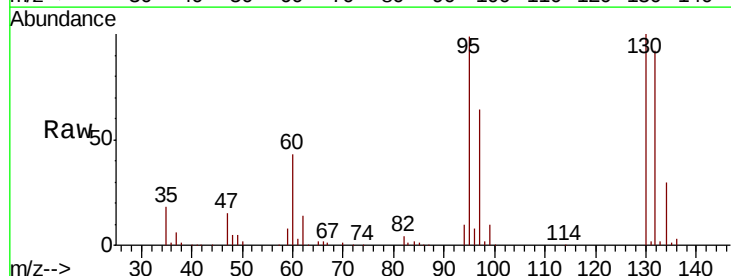
apatel
 9/24/2018 1:01:32 PM

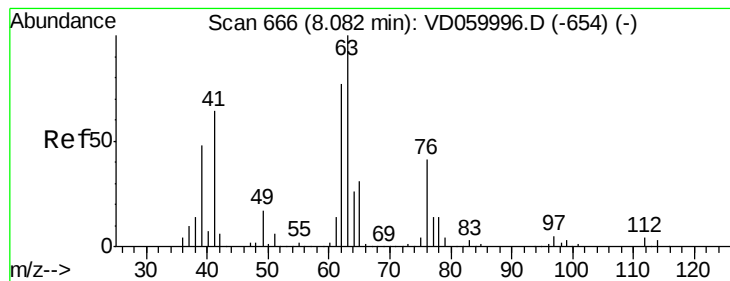


#44

Trichloroethene
 Concen: 53.131 ug/l
 RT: 7.73 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion:130 Resp: 1002338
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 202.0





#45

1,2-Dichloropropane

Concen: 52.766 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 861524

Ion Ratio Lower Upper

63 100

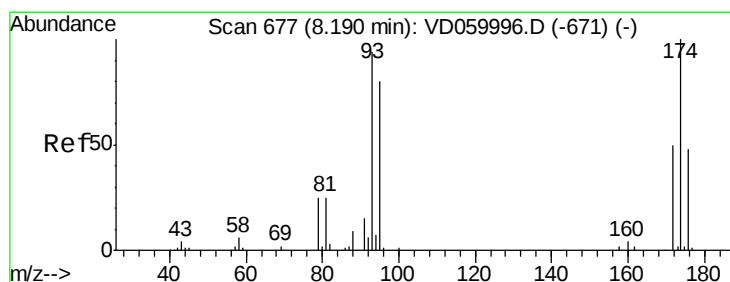
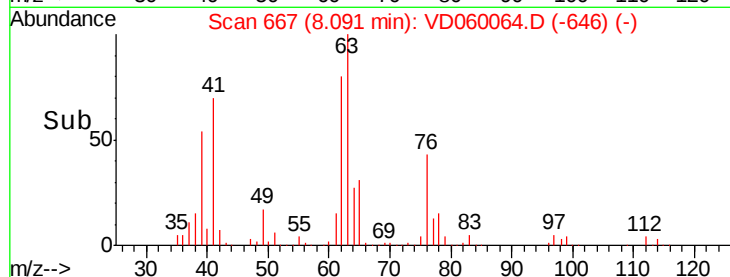
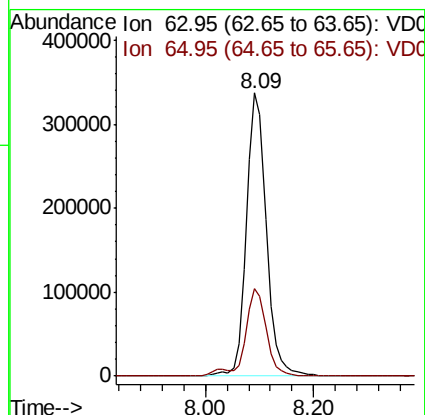
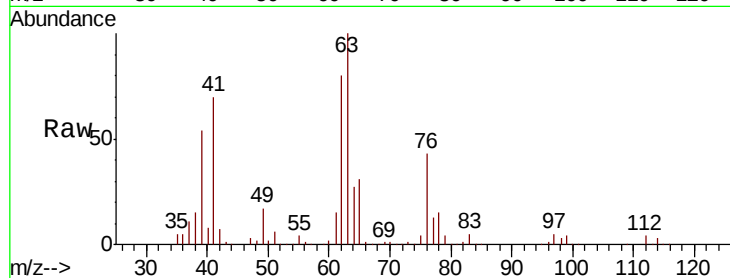
65 30.7 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 52.916 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

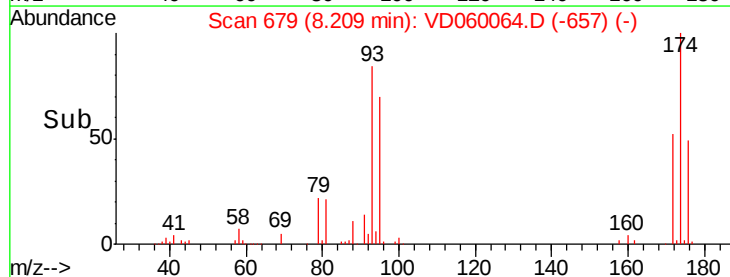
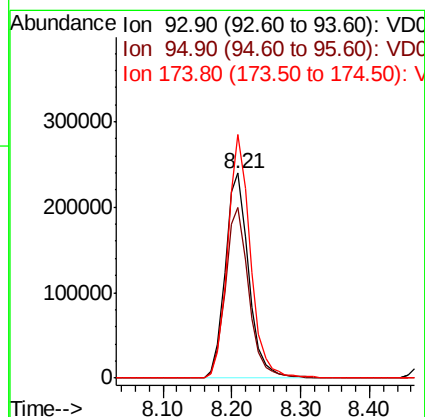
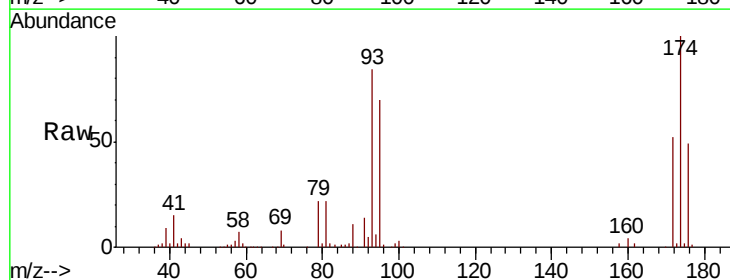
Tgt Ion: 93 Resp: 563716

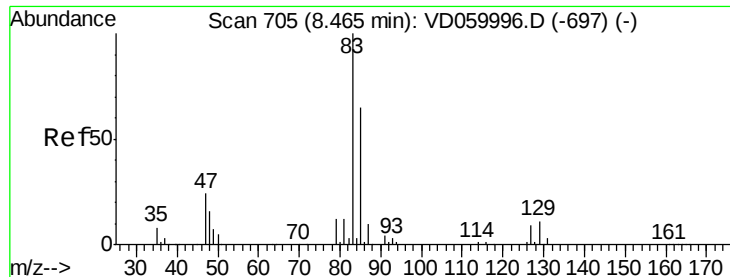
Ion Ratio Lower Upper

93 100

95 83.2 68.0 102.0

174 118.9 85.4 128.2





#47

Bromodichloromethane

Concen: 53.544 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1229795

Ion Ratio Lower Upper

83 100

85 66.7 51.9 77.9

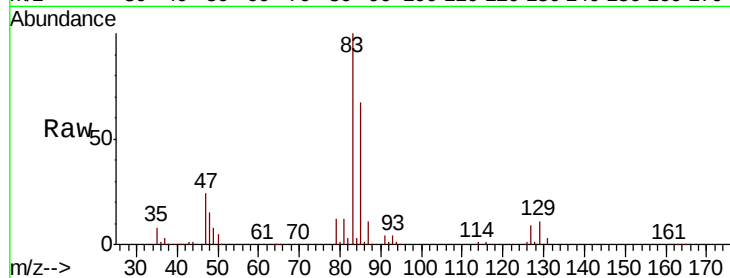
127 8.9 6.8 10.2

Manual Integrations

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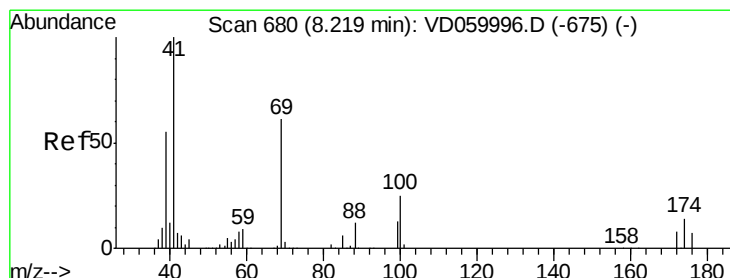
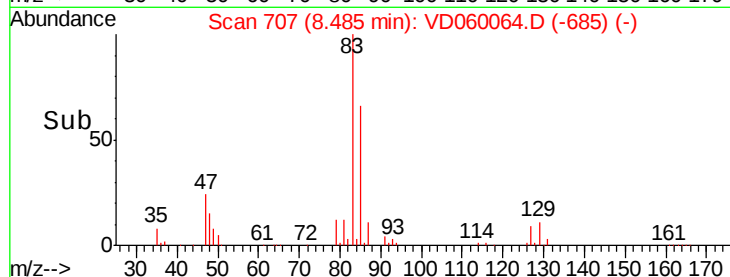
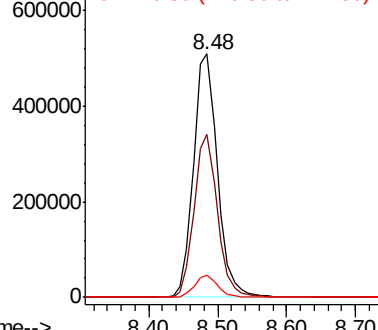
9/24/2018 1:01:32 PM



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.865 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.02 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

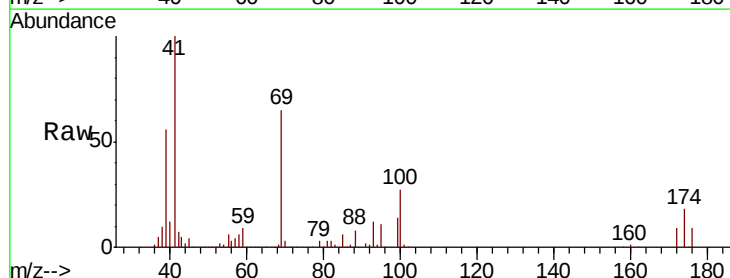
Tgt Ion: 41 Resp: 624874

Ion Ratio Lower Upper

41 100

69 65.3 48.3 72.5

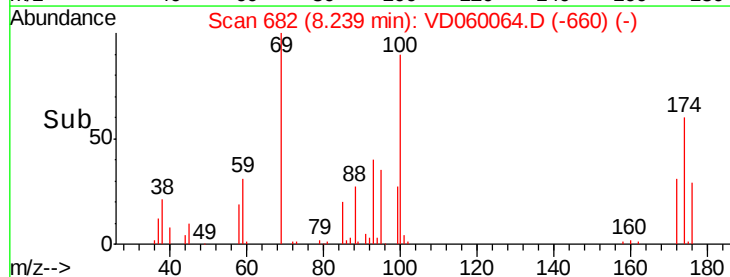
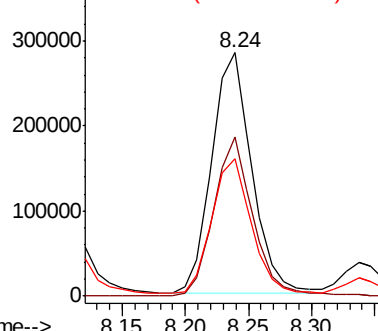
39 56.4 44.1 66.1

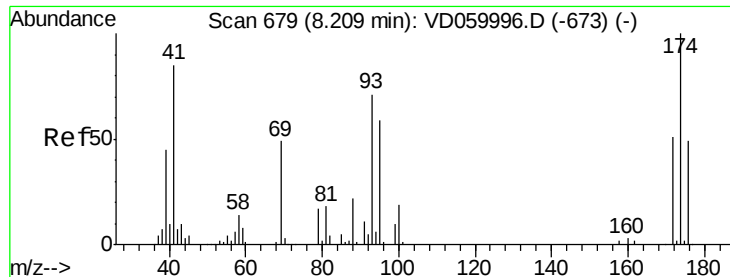


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





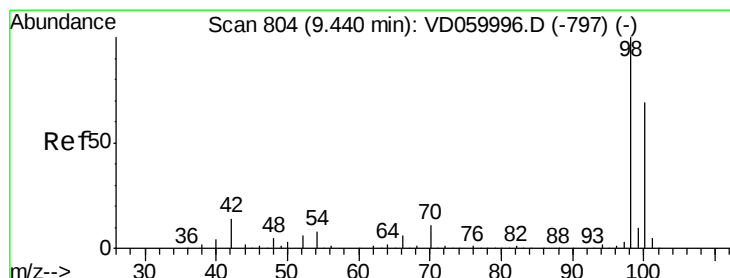
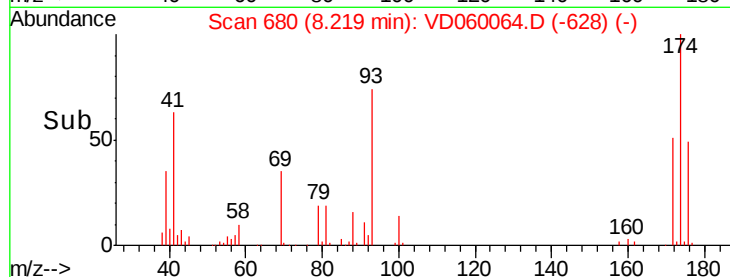
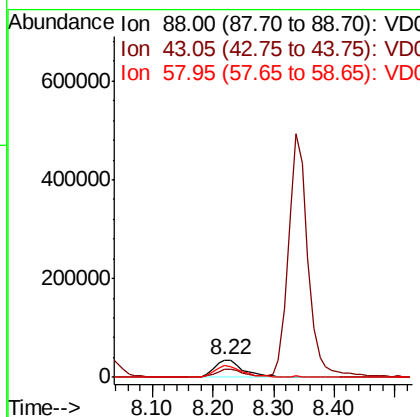
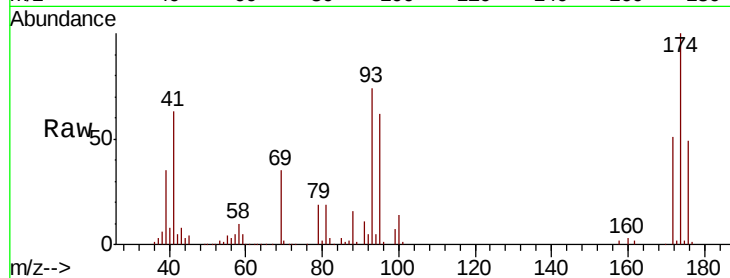
#49
1,4-Dioxane
Concen: 971.690 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.1	36.2	54.2
58	65.5	51.0	76.6

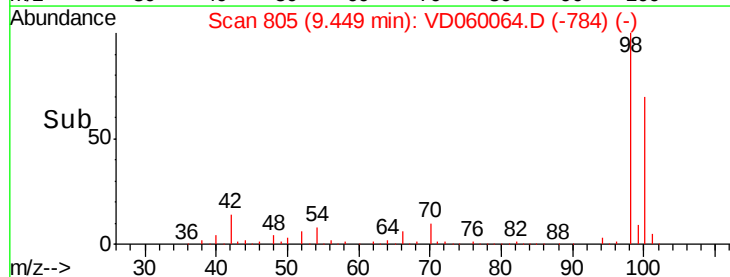
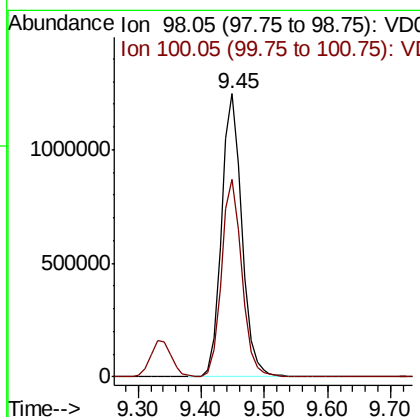
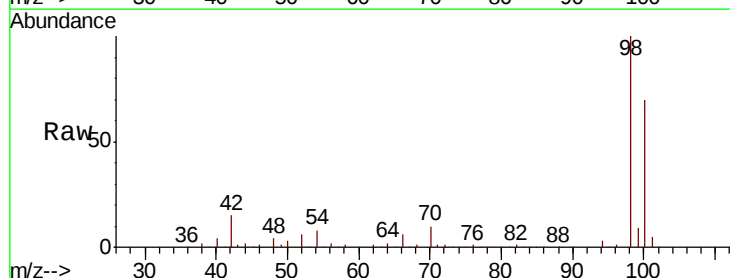
Manual Integrations
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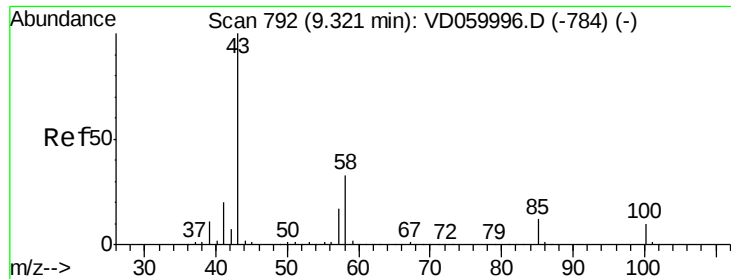
apatel
9/24/2018 1:01:32 PM



#50
Toluene-d8
Concen: 971.690 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 239.587 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3497098

Ion Ratio Lower Upper

43 100

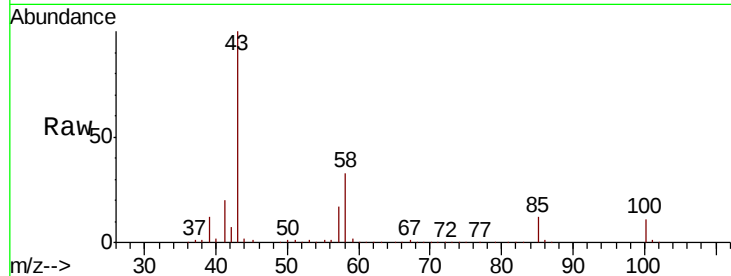
58 33.3 26.4 39.6

Manual Integrations

APPROVED

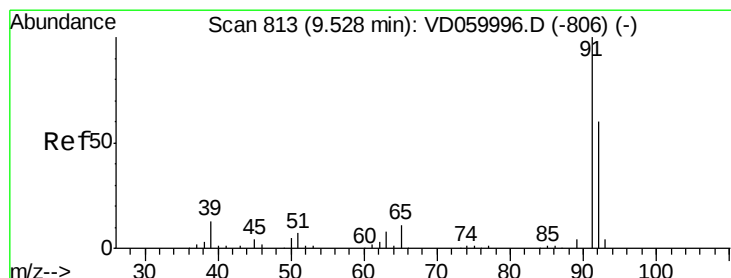
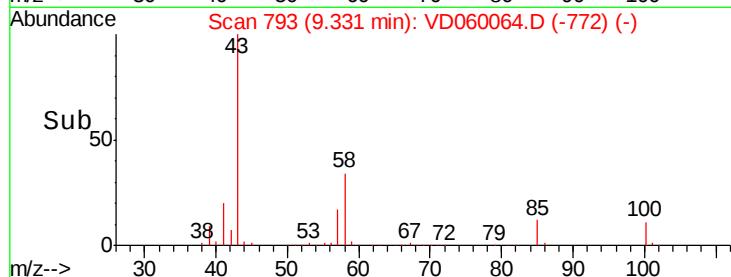
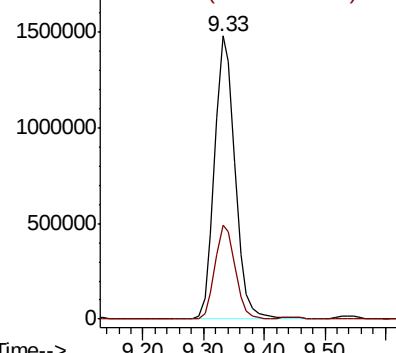
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.738 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060064.D

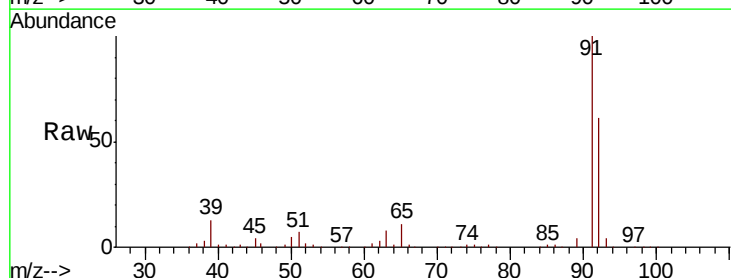
Acq: 21 Sep 2018 11:21

Tgt Ion: 92 Resp: 2064068

Ion Ratio Lower Upper

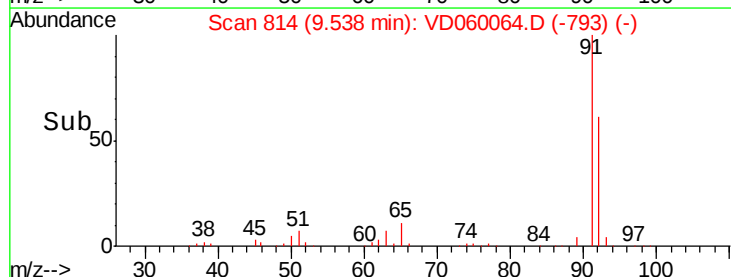
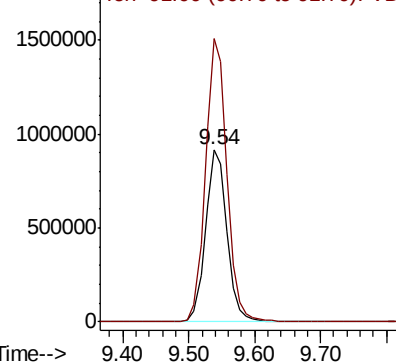
92 100

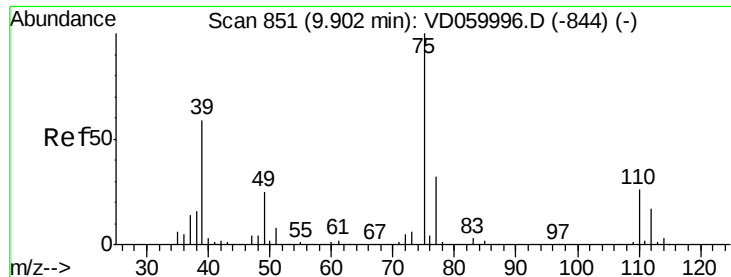
91 164.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





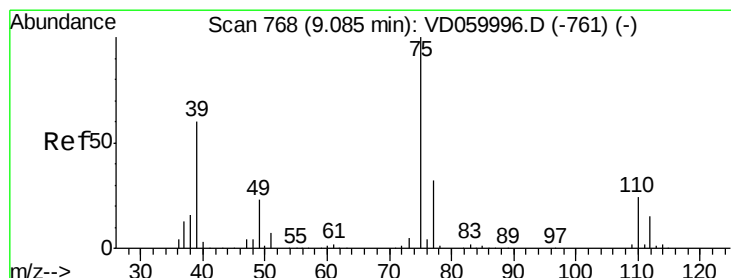
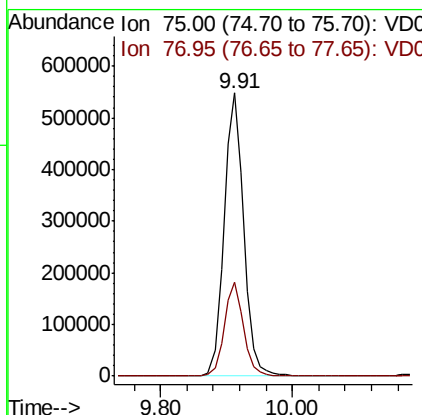
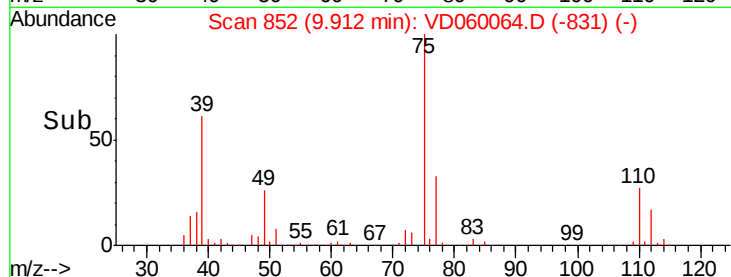
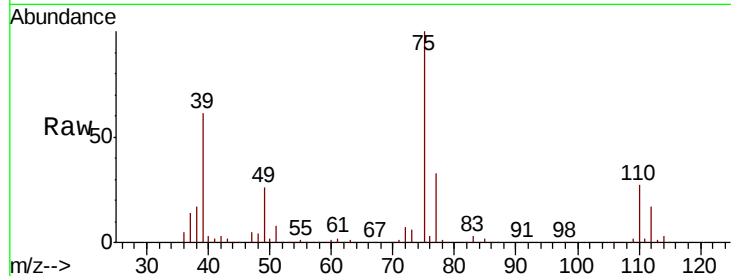
#53
t-1,3-Dichloropropene
Concen: 52.990 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1135127
Ion Ratio Lower Upper
75 100
77 33.1 25.6 38.4

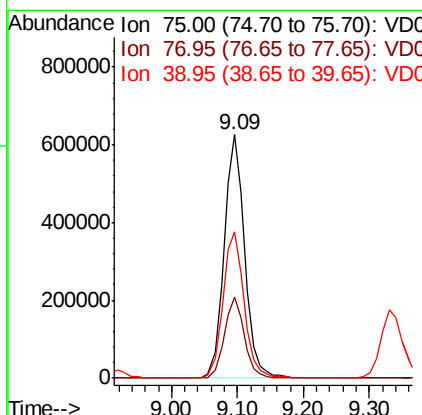
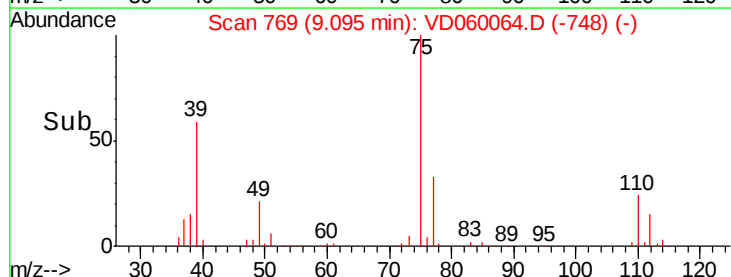
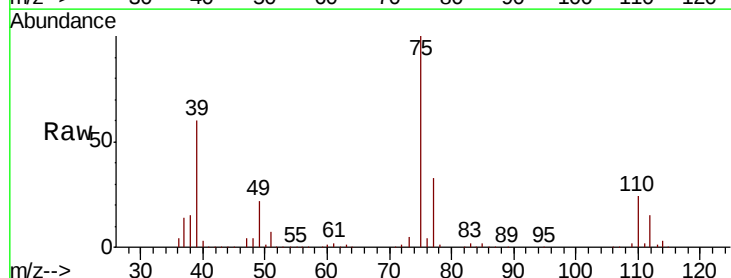
Manual Integrations
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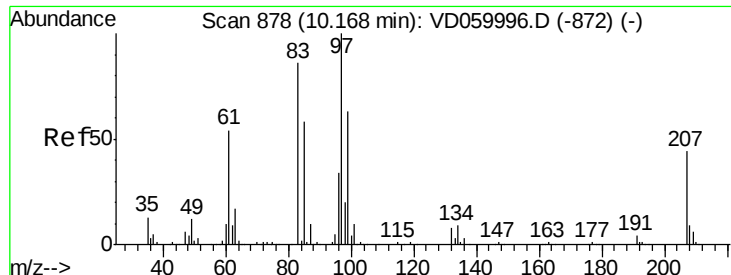
apatel
9/24/2018 1:01:32 PM



#54
cis-1,3-Dichloropropene
Concen: 53.153 ug/l
RT: 9.09 min Scan# 769
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 75 Resp: 1360428
Ion Ratio Lower Upper
75 100
77 33.1 25.5 38.3
39 60.1 48.0 72.0





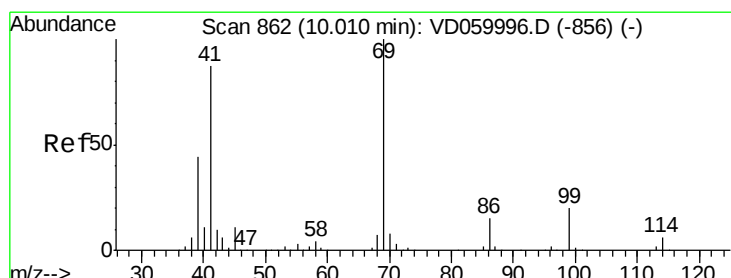
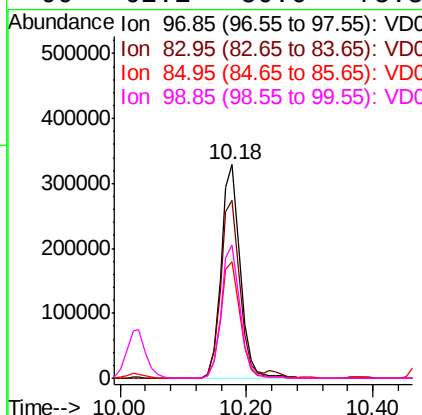
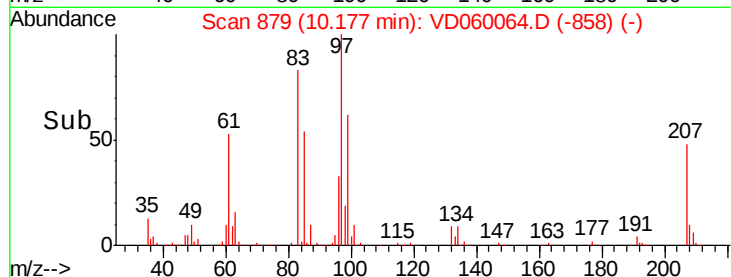
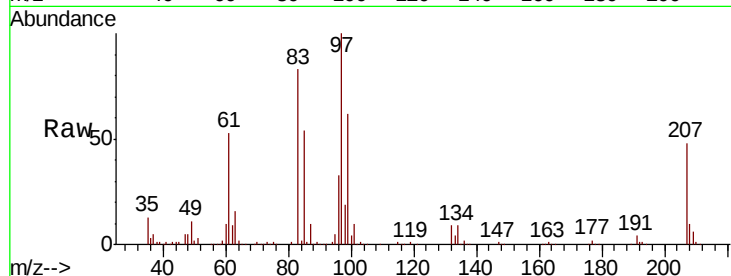
#55
1,1,2-Trichloroethane
Concen: 51.175 ug/l
RT: 10.18 min Scan# 879
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		695405		
83	83.1	69.1	103.7		
85	54.5	46.2	69.4		
99	62.1	50.6	75.8		

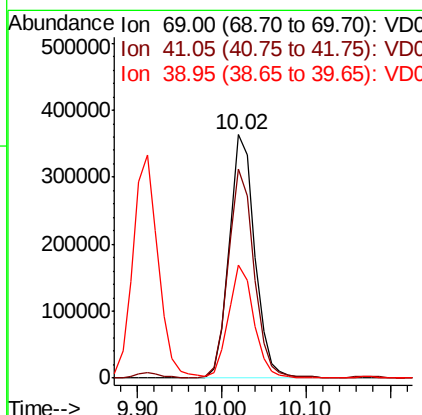
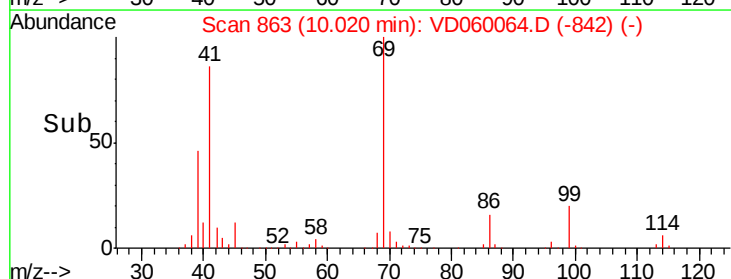
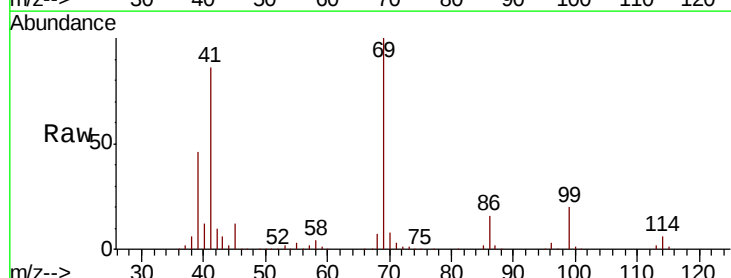
Manual Integrations
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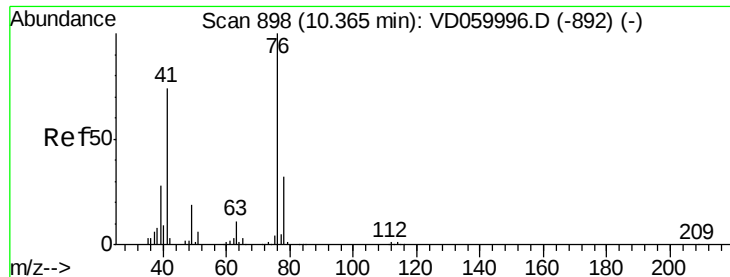
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#56
Ethyl methacrylate
Concen: 51.082 ug/l
RT: 10.02 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		769930		
41	85.8	70.1	105.1		
39	46.5	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 52.449 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1052054

Ion Ratio Lower Upper

76 100

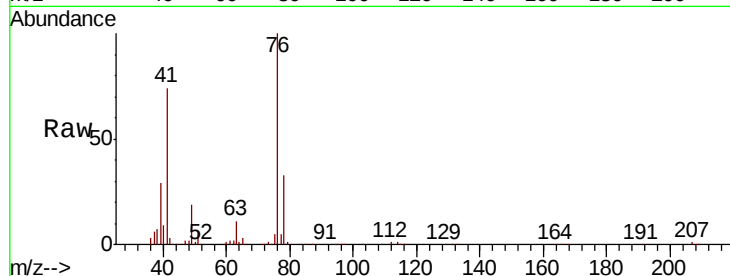
78 32.7 25.3 37.9

Manual Integrations

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apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

600000

500000

400000

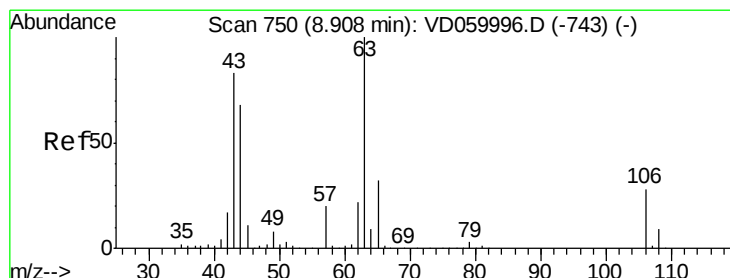
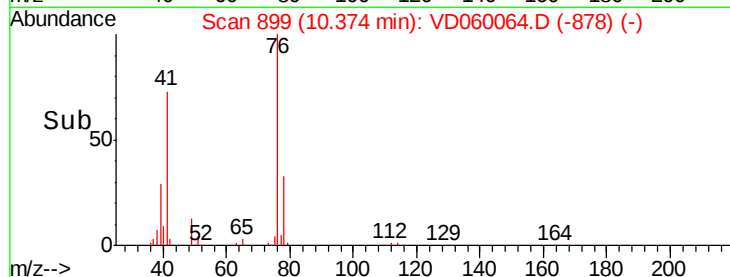
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.733 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060064.D

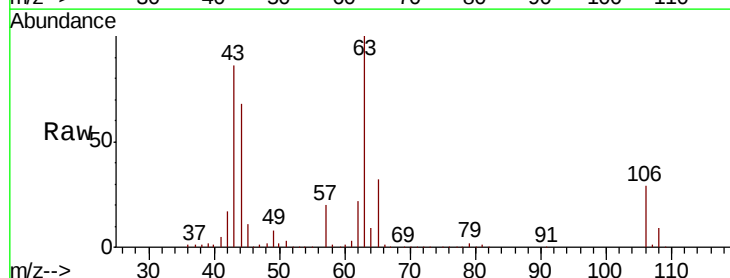
Acq: 21 Sep 2018 11:21

Tgt Ion: 63 Resp: 1846767

Ion Ratio Lower Upper

63 100

106 28.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

1000000

800000

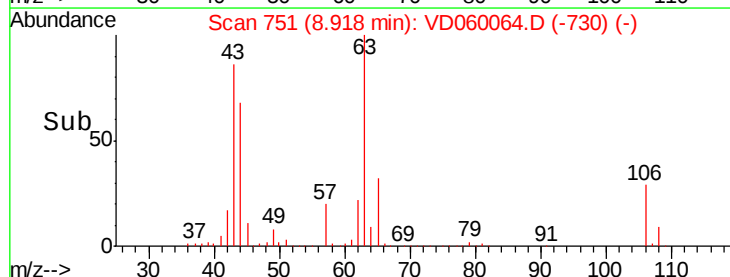
600000

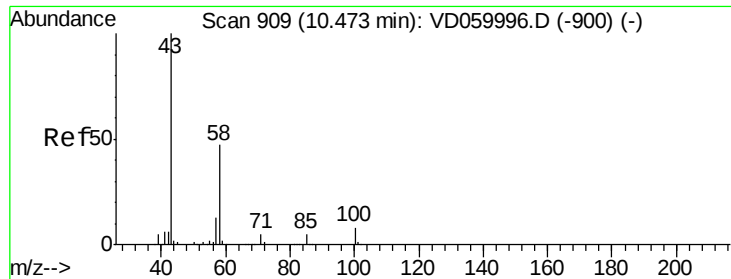
400000

200000

0

Time-->





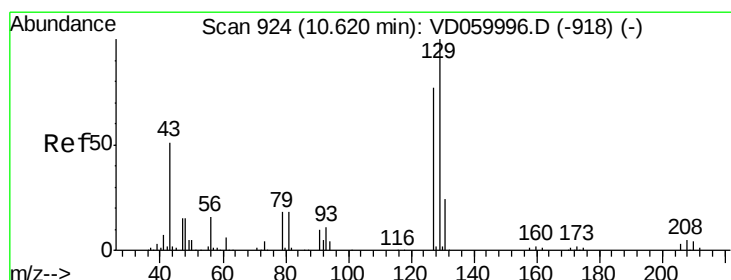
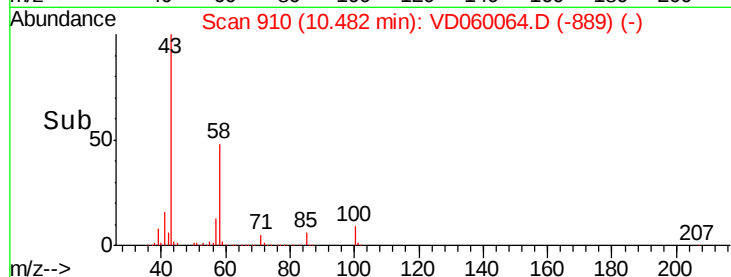
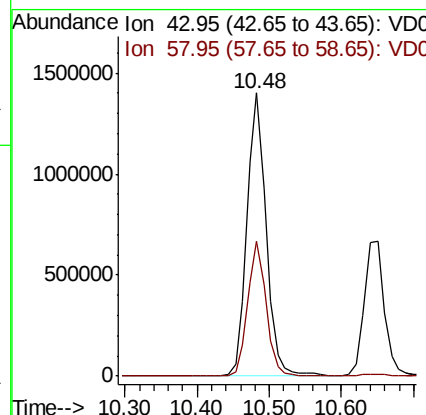
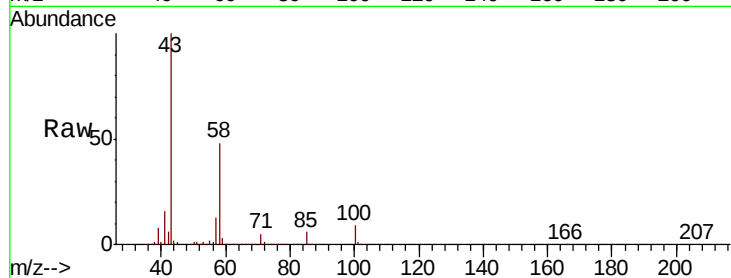
#59
2-Hexanone
Concen: 251.559 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2606906
Ion Ratio Lower Upper
43 100
58 47.6 23.4 70.0

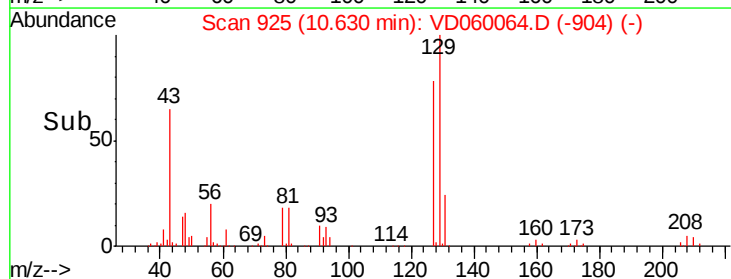
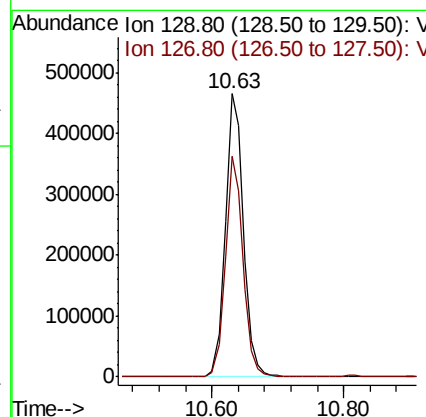
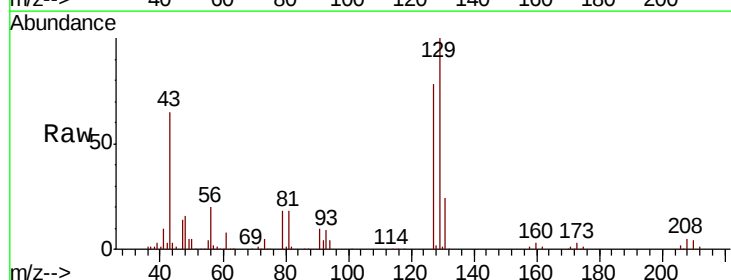
Manual Integrations
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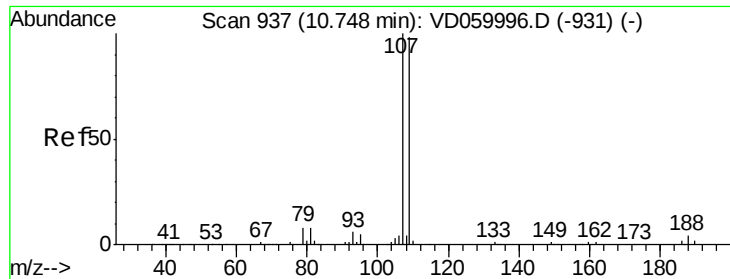
apatel
9/24/2018 1:01:32 PM



#60
Dibromochloromethane
Concen: 53.644 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 129 Resp: 887262
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.600 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 737986

Ion Ratio Lower Upper

107 100

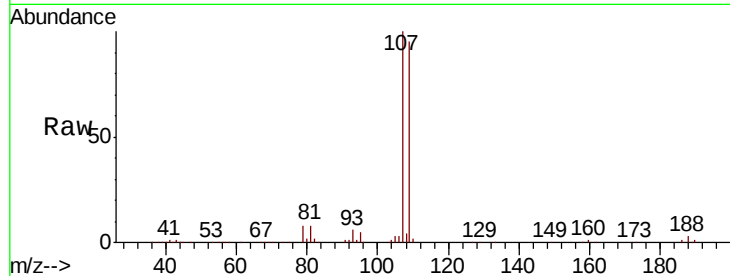
109 95.1 78.2 117.2

Manual Integrations

APPROVED

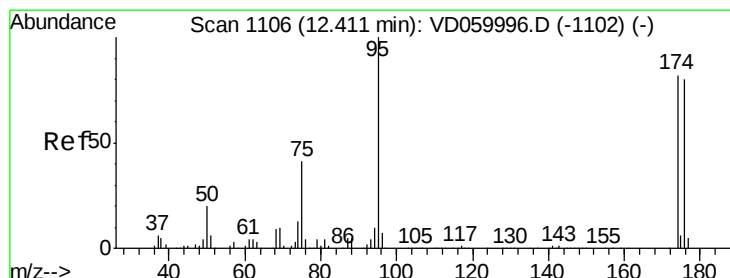
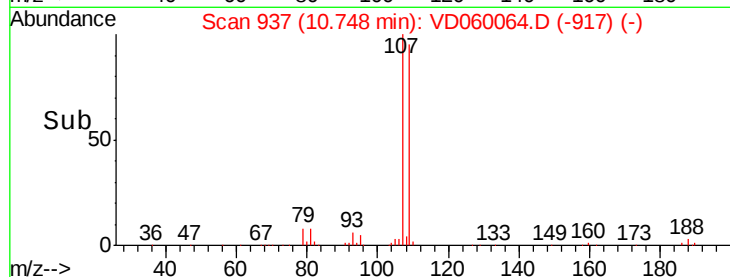
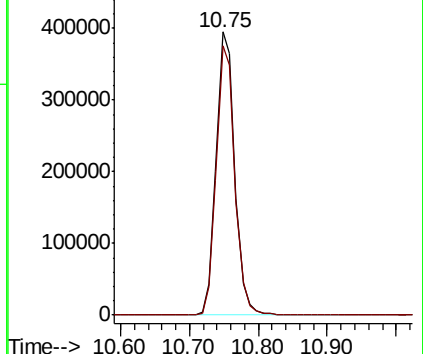
apatel

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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: 52.600 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

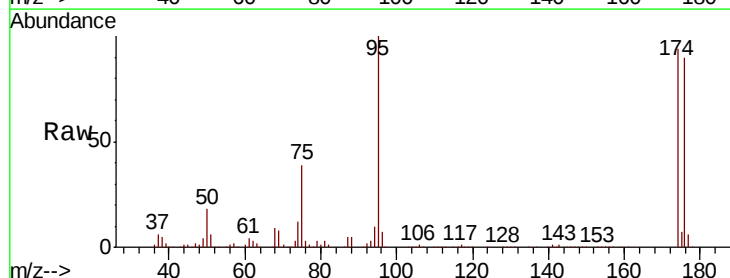
Tgt Ion: 95 Resp: 1059117

Ion Ratio Lower Upper

95 100

174 94.0 0.0 165.0

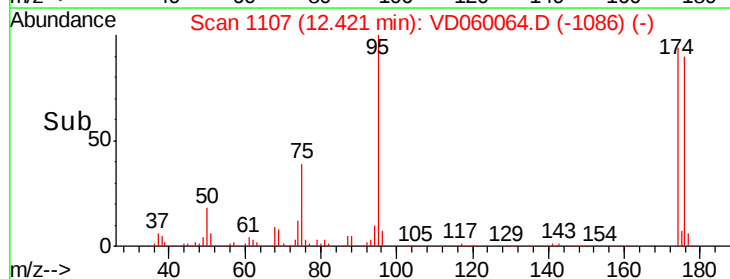
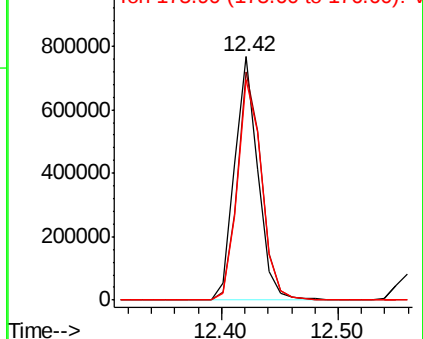
176 90.4 0.0 160.2



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





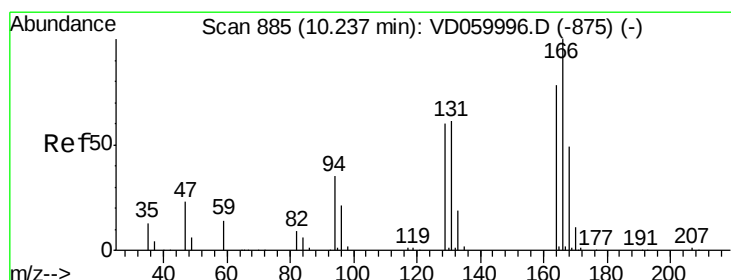
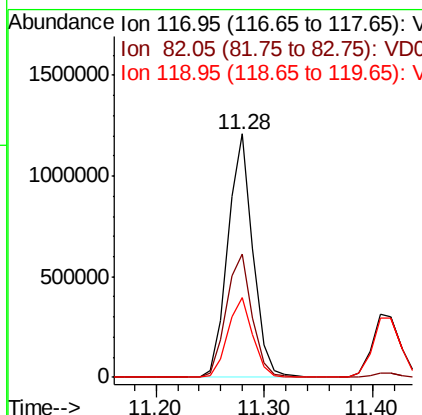
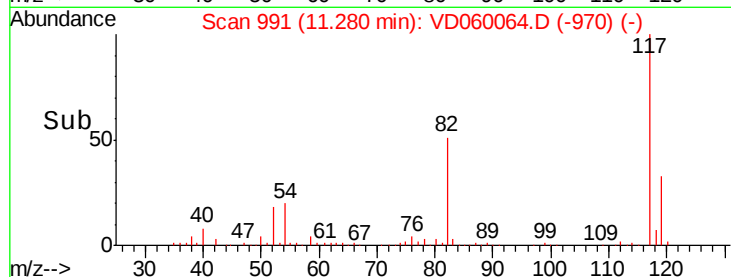
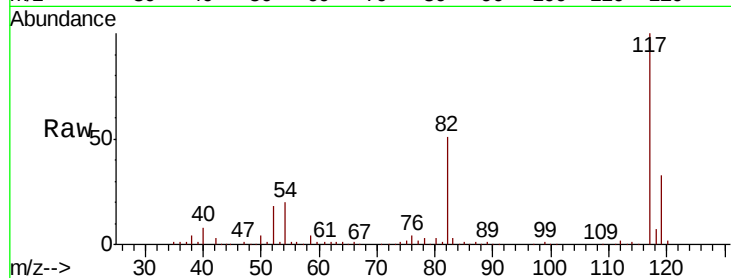
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1943524
Ion Ratio Lower Upper
117 100
82 50.8 41.7 62.5
119 32.7 26.0 39.0

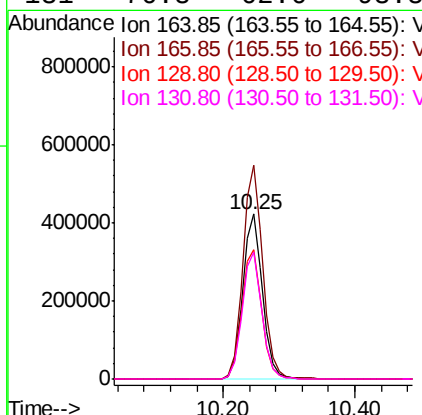
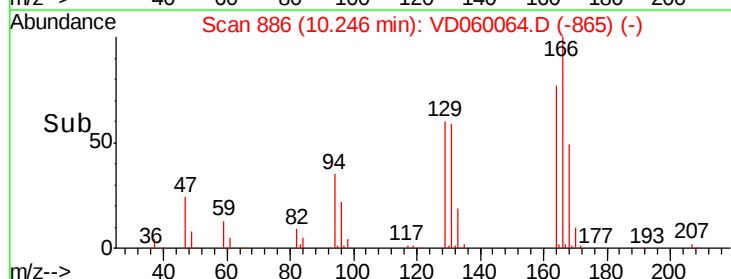
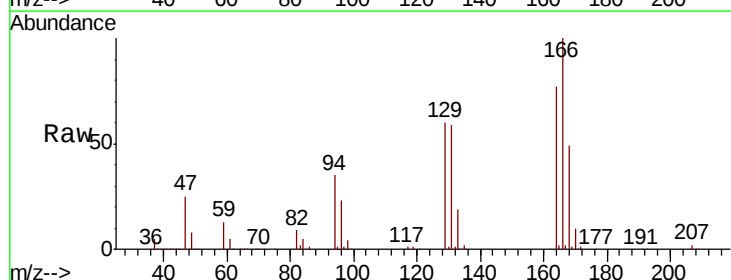
Manual Integrations
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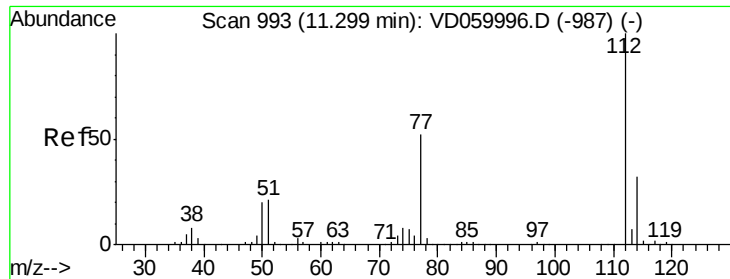
apatel
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#64
Tetrachloroethene
Concen: 51.504 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion:164 Resp: 883171
Ion Ratio Lower Upper
164 100
166 129.4 103.0 154.6
129 78.2 61.9 92.9
131 76.8 62.6 93.8





#65

Chlorobenzene

Concen: 54.238 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2266342

Ion Ratio Lower Upper

112 100

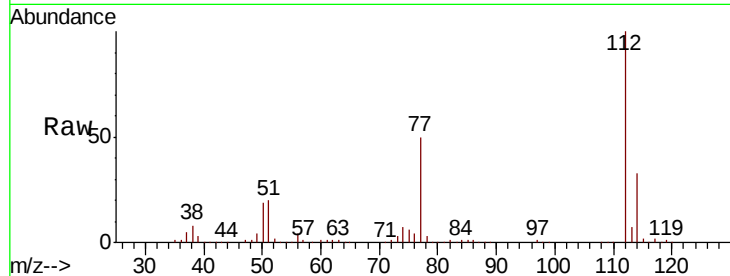
114 32.6 25.3 37.9

Manual Integrations

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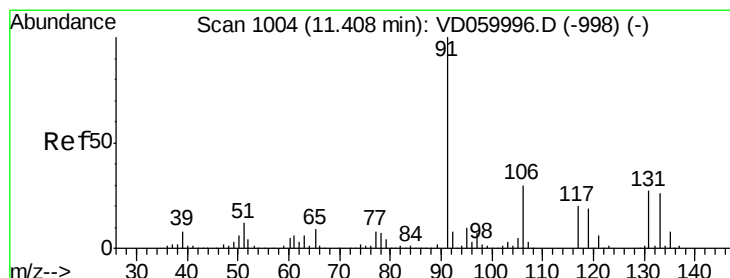
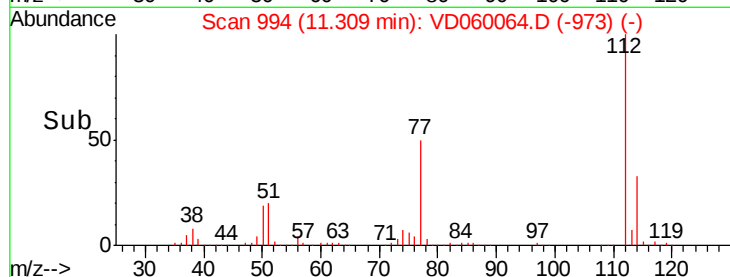
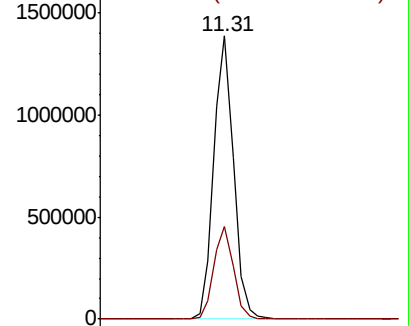
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.204 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

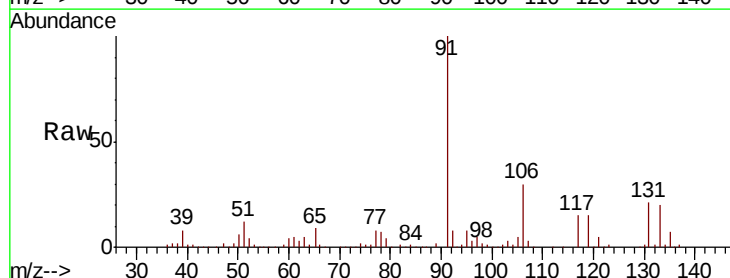
Tgt Ion:131 Resp: 749827

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.3

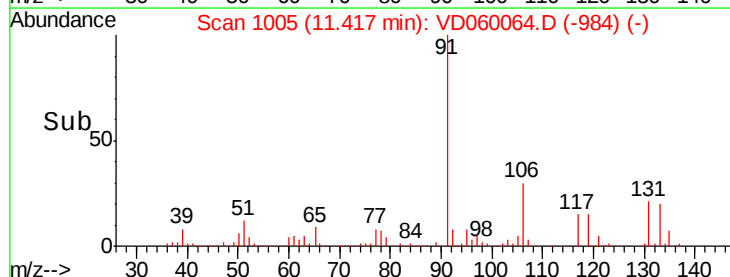
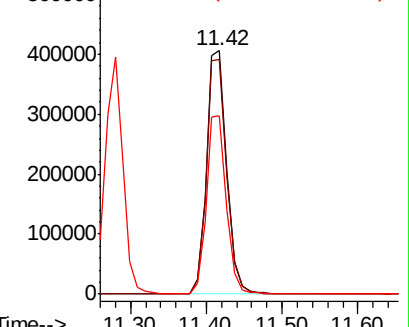
119 73.2 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





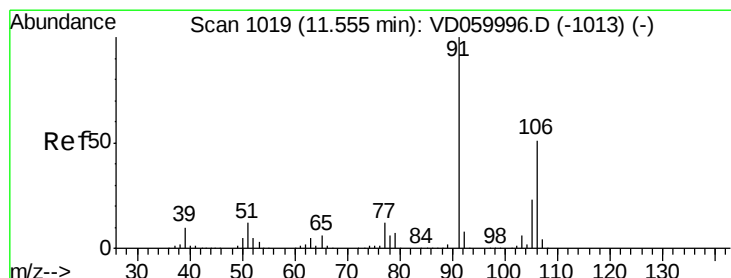
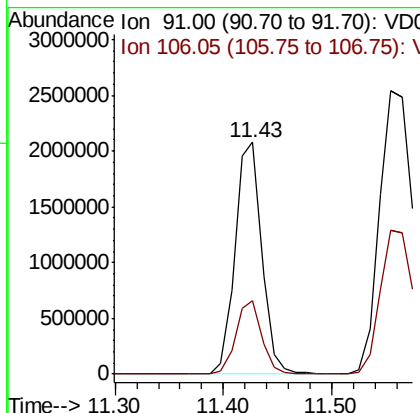
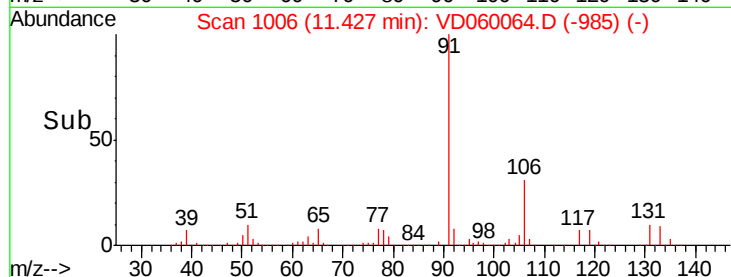
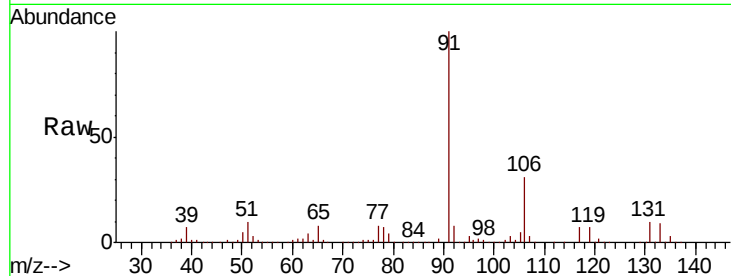
#67
Ethyl Benzene
Concen: 53.120 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3572008
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

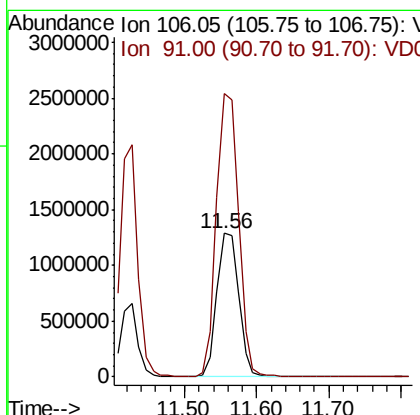
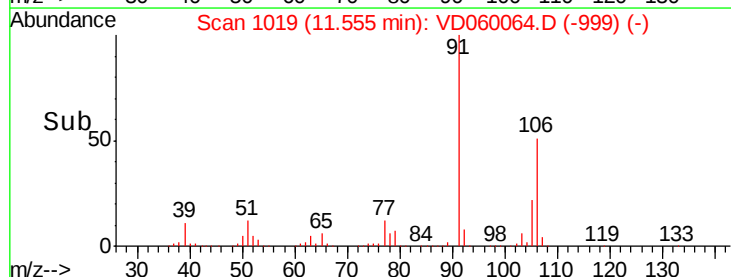
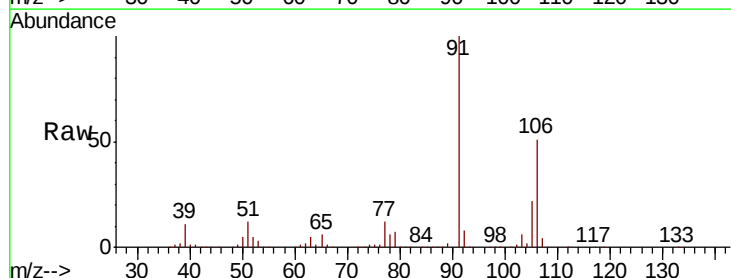
Manual Integrations
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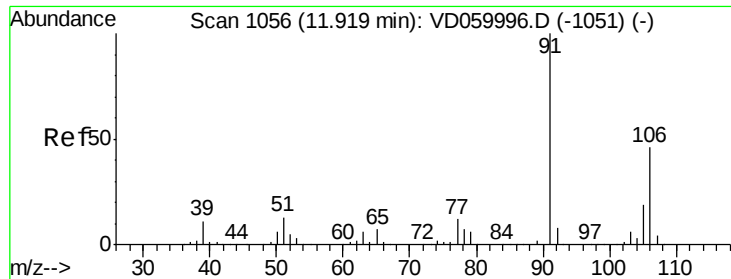
apatel
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#68
m/p-Xylenes
Concen: 108.270 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion:106 Resp: 2688825
Ion Ratio Lower Upper
106 100
91 197.0 157.0 235.6





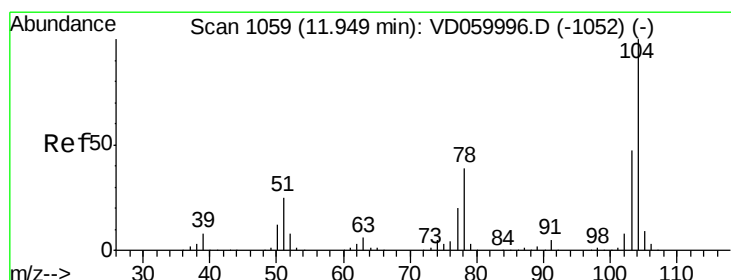
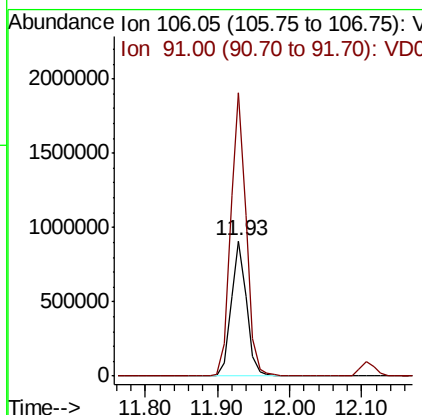
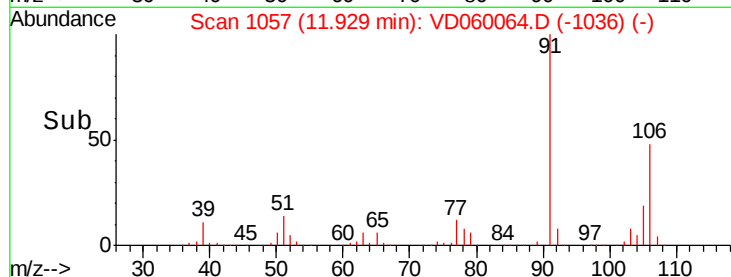
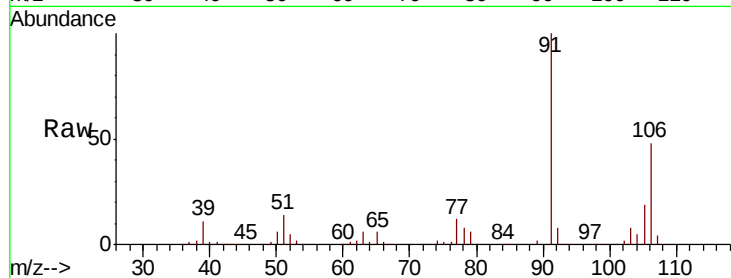
#69
o-Xylene
Concen: 54.089 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1330997
Ion Ratio Lower Upper
106 100
91 209.7 107.7 323.1

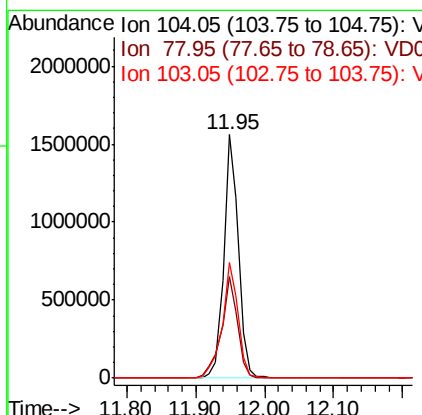
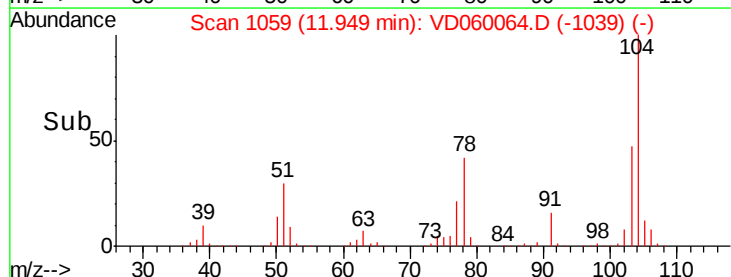
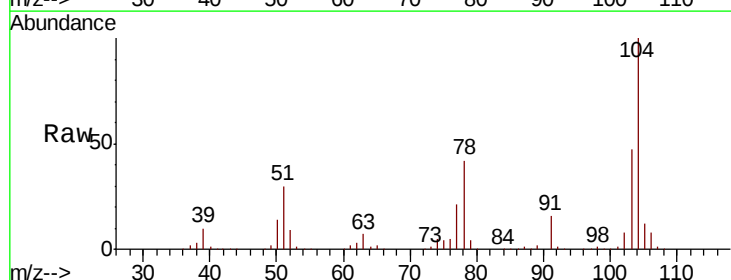
Manual Integrations
APPROVED

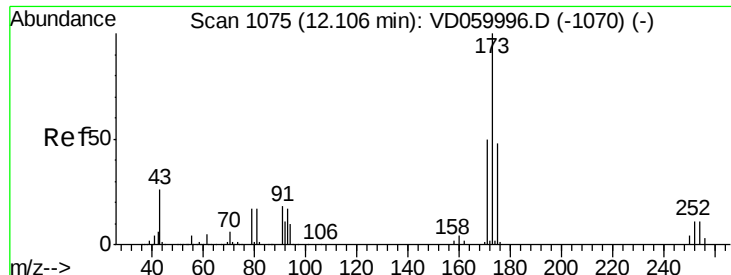
apatel
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#70
Styrene
Concen: 55.175 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion:104 Resp: 2282861
Ion Ratio Lower Upper
104 100
78 41.6 31.0 46.4
103 47.4 37.6 56.4





#71

Bromoform

Concen: 54.534 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

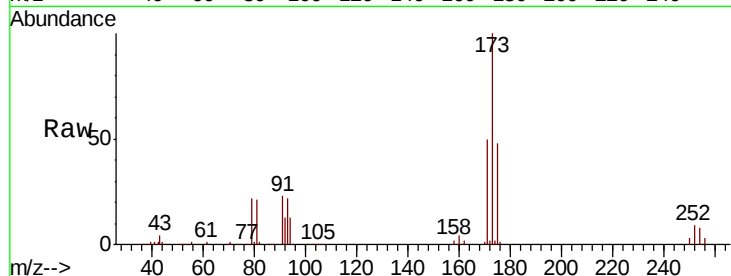
ClientSampleId :

VSTDCCC050

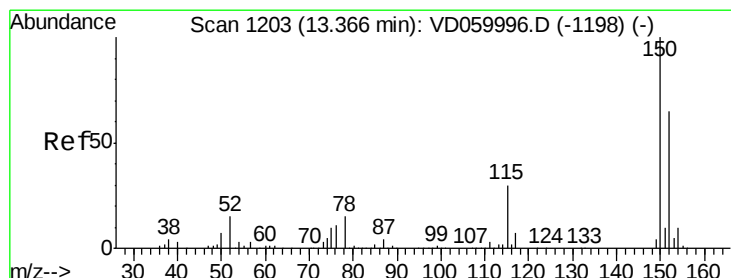
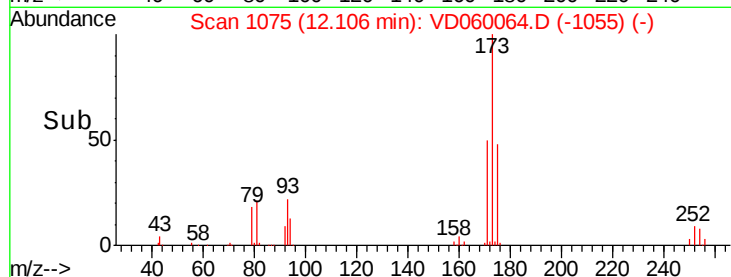
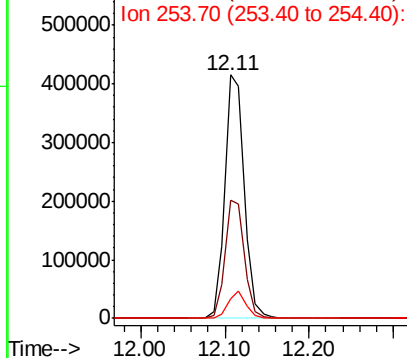
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	8.0	8.6	13.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

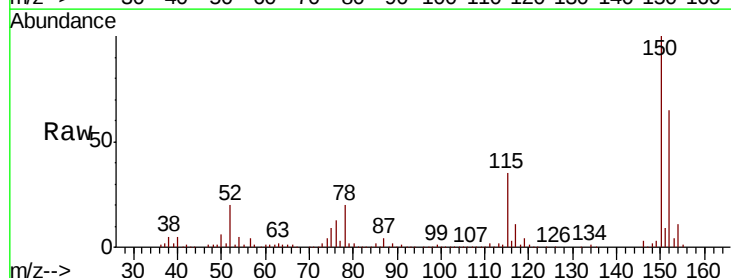
RT: 13.37 min Scan# 1203

Delta R.T. -0.00 min

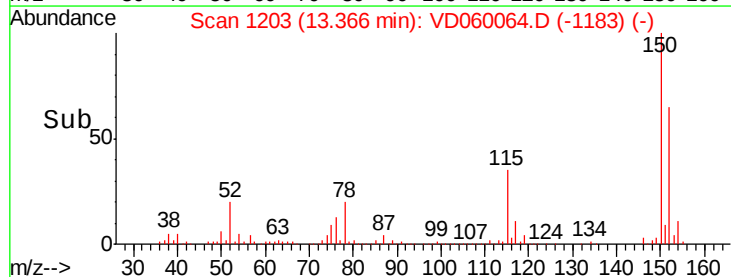
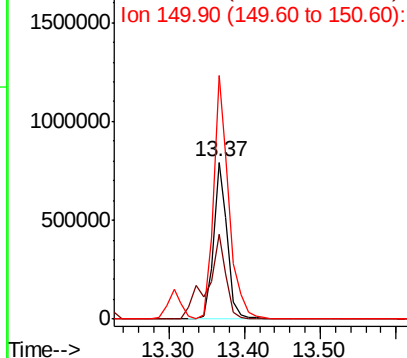
Lab File: VD060064.D

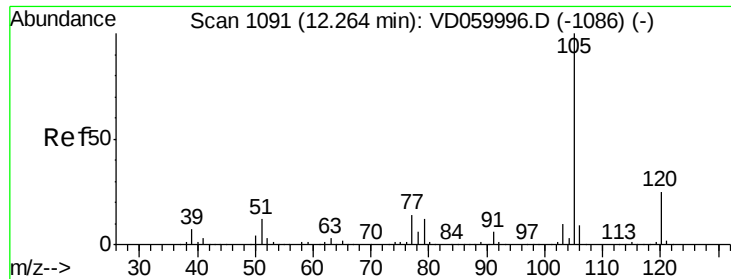
Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	24.6	73.8
150	154.9	0.0	313.4



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





#73

Isopropylbenzene

Concen: 54.124 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 3603359

Ion Ratio Lower Upper

105 100

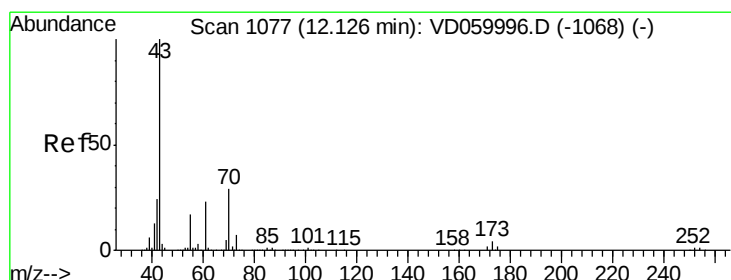
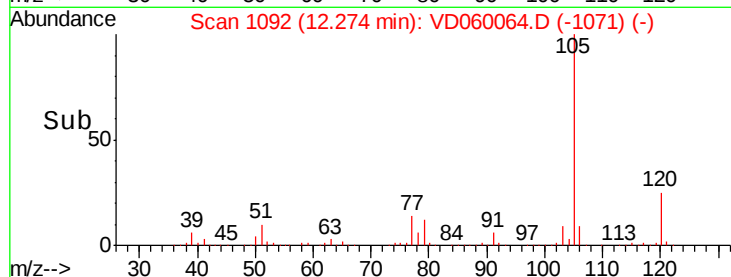
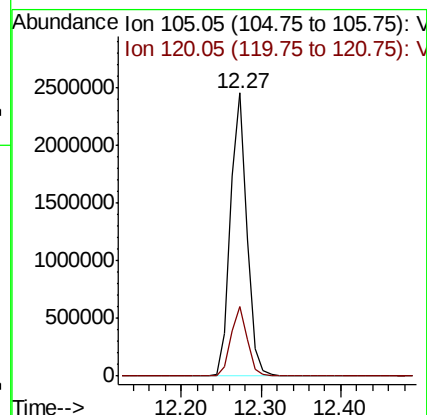
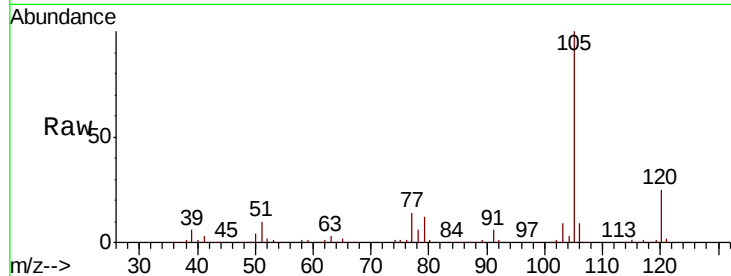
120 24.8 12.3 36.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.831 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Tgt Ion: 43 Resp: 1393241

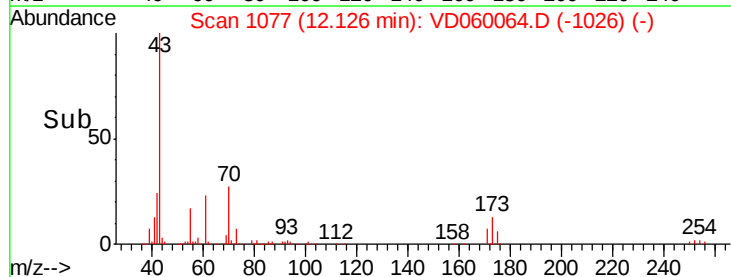
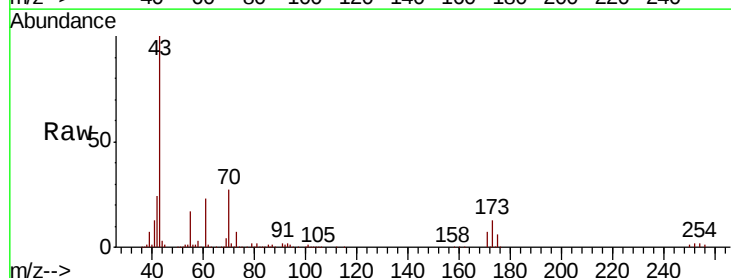
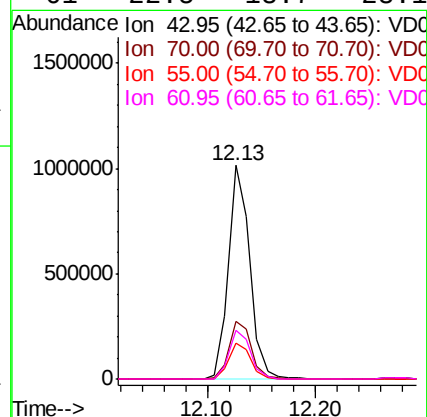
Ion Ratio Lower Upper

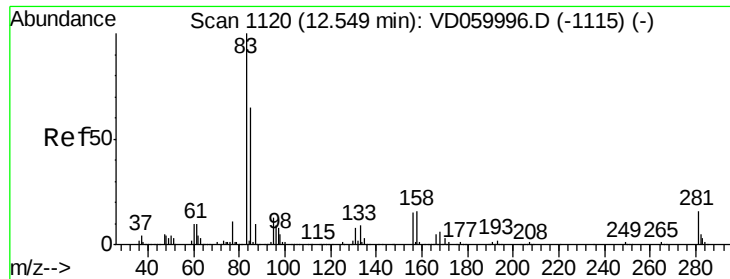
43 100

70 26.8 22.9 34.3

55 17.1 14.0 21.0

61 22.5 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.310 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

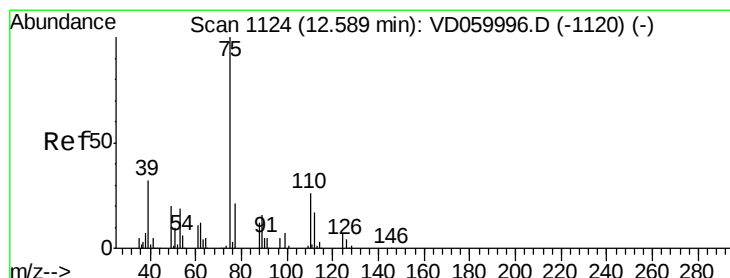
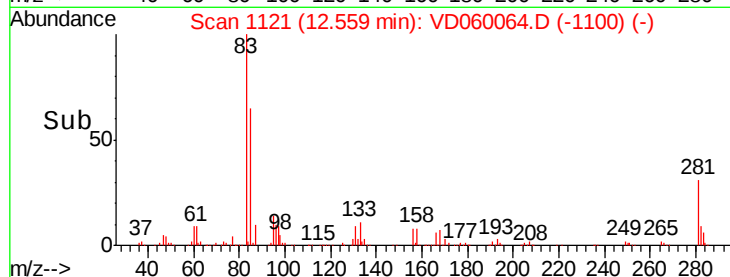
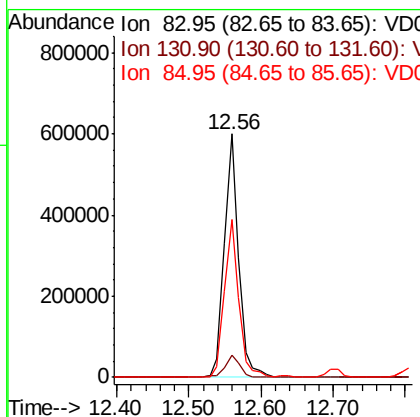
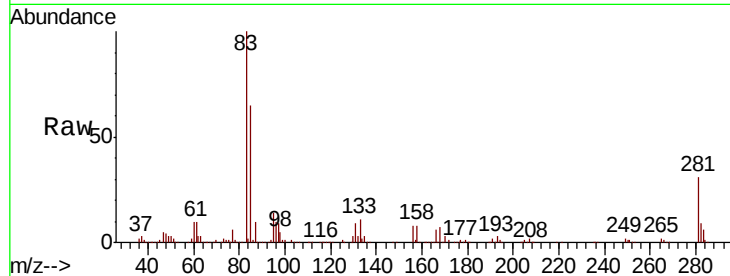
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	820263
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.1	12.3
85	64.7	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 50.599 ug/l

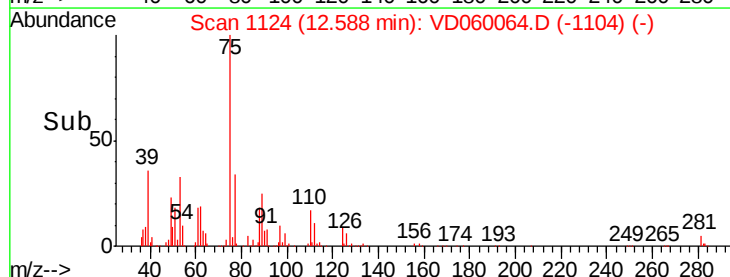
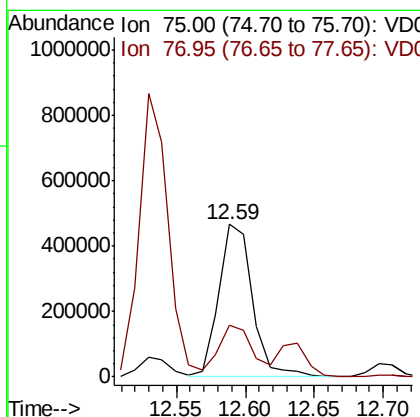
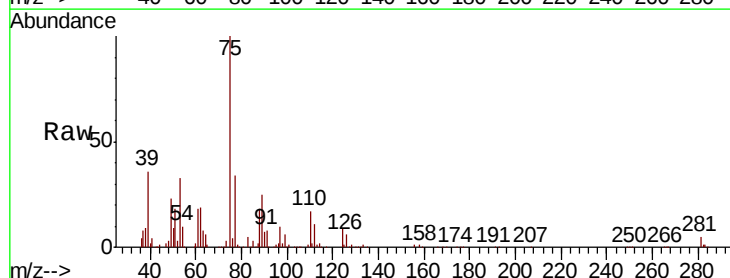
RT: 12.59 min Scan# 1124

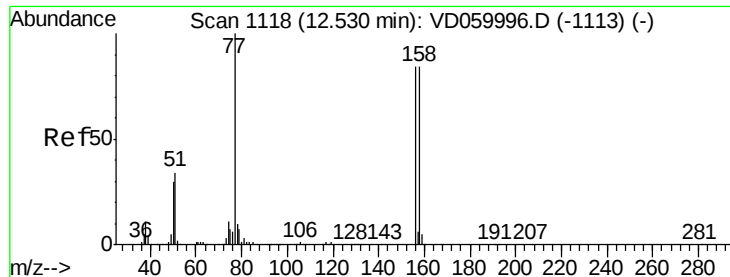
Delta R.T. -0.00 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Tgt Ion:	75	Resp:	784469
Ion Ratio	Lower	Upper	
75	100		
77	33.7	16.4	49.4





#77

Bromobenzene

Concen: 54.997 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1054727

Ion Ratio Lower Upper

156 100

77 100.1 59.5 178.4

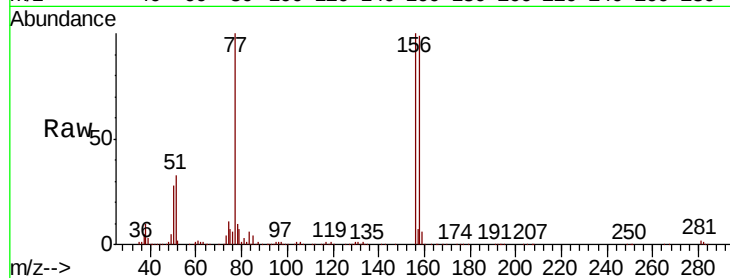
158 98.7 50.0 149.8

Manual Integrations

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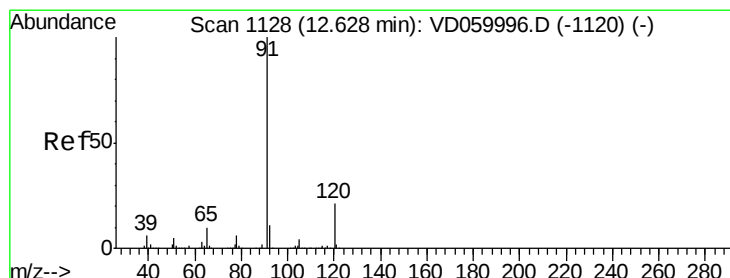
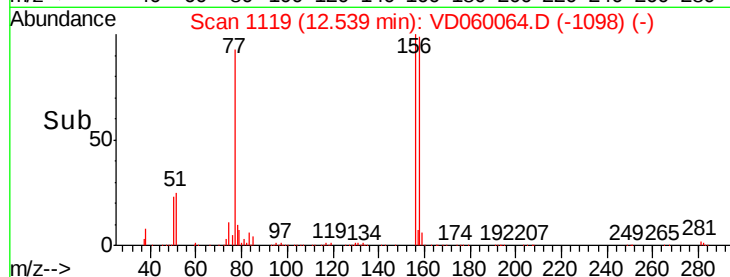
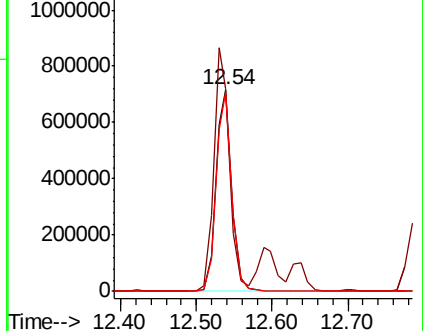
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.692 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060064.D

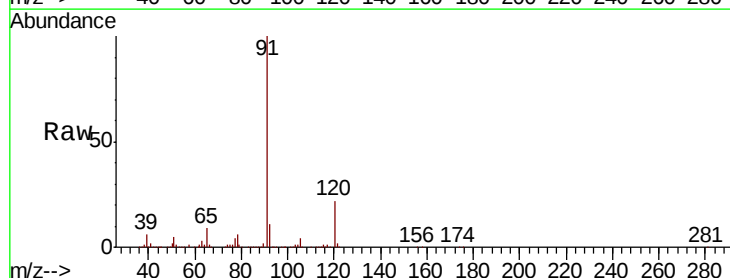
Acq: 21 Sep 2018 11:21

Tgt Ion: 91 Resp: 4411411

Ion Ratio Lower Upper

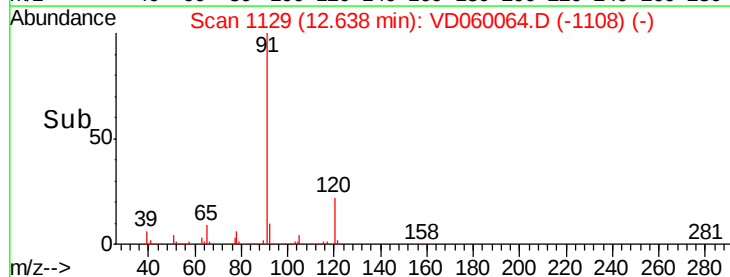
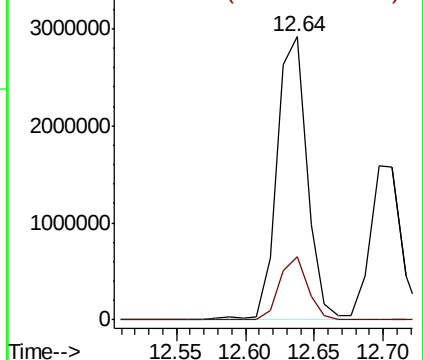
91 100

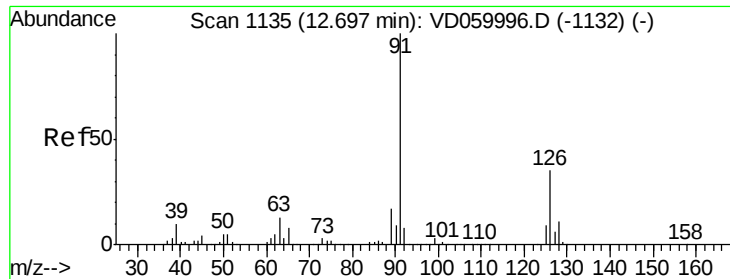
120 22.2 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





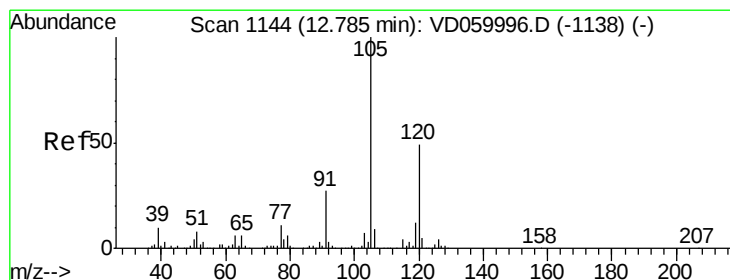
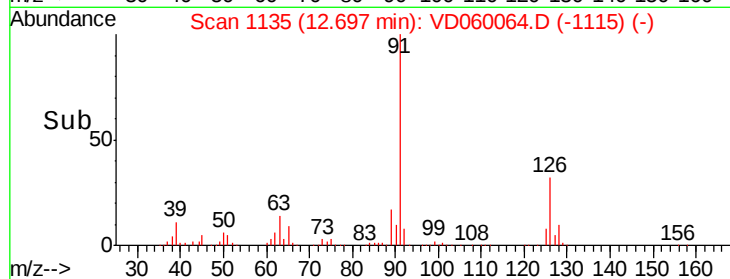
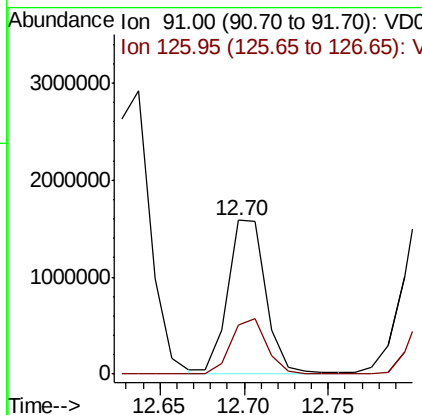
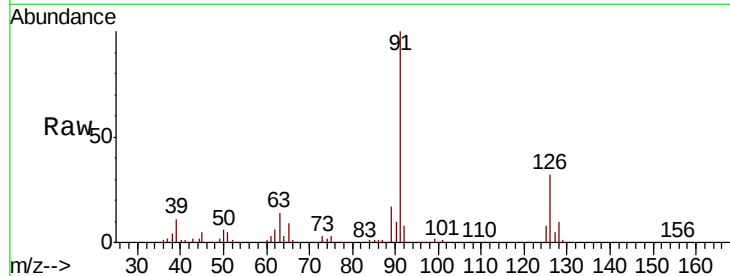
#79
 2-Chlorotoluene
 Concen: 52.327 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 2472652
 Ion Ratio Lower Upper
 91 100
 126 32.4 17.3 52.0

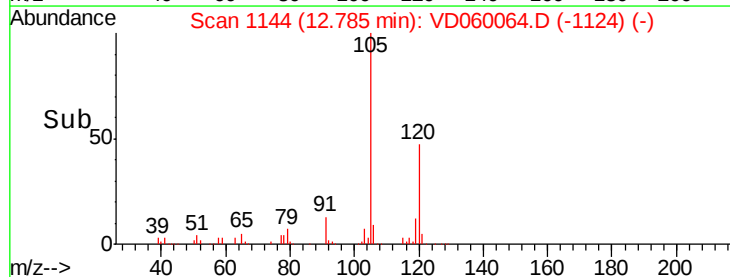
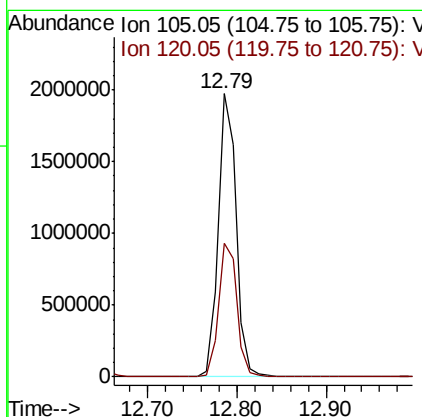
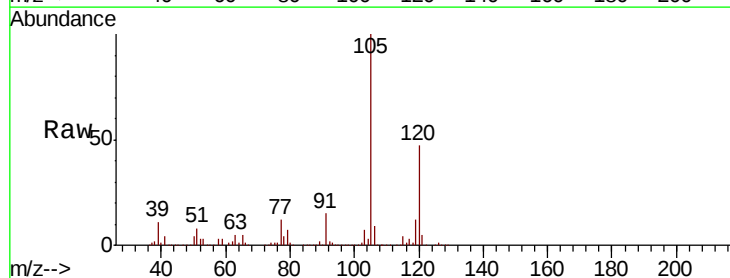
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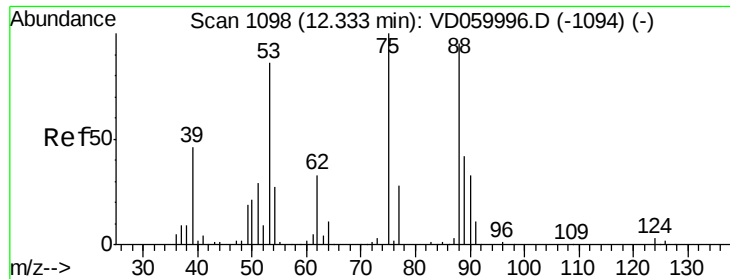
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.190 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion: 105 Resp: 2765230
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.4 73.2





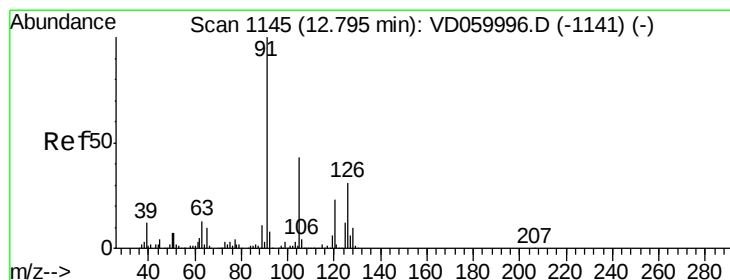
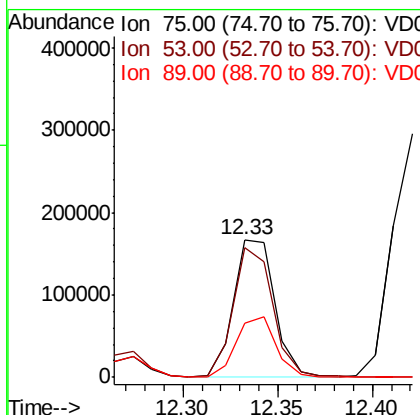
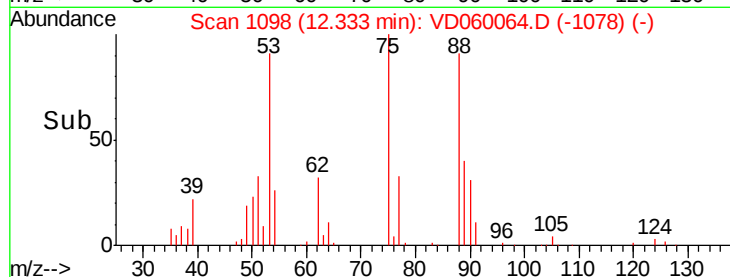
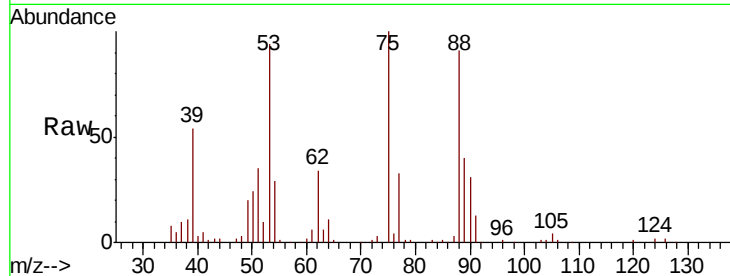
#81
trans-1,4-Dichloro-2-butene
Concen: 53.569 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	68.4	102.6
89	39.8	33.8	50.6

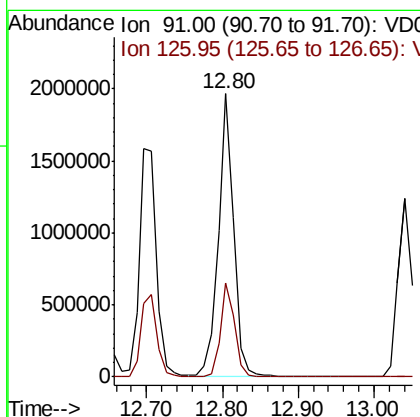
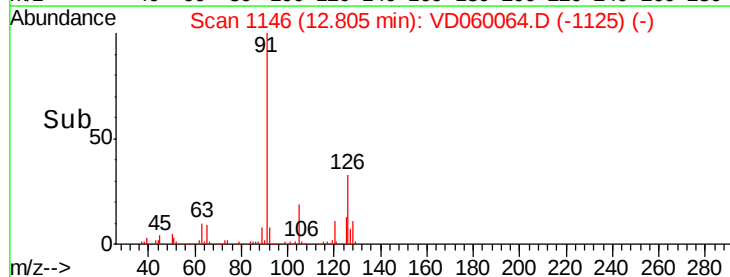
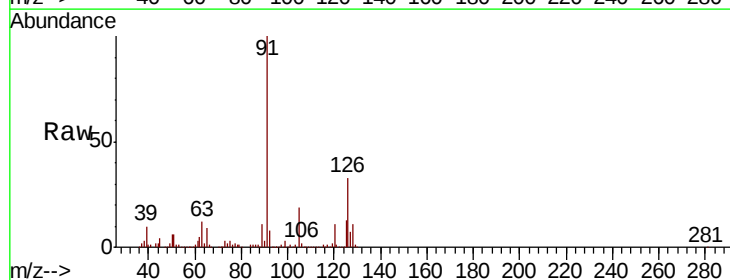
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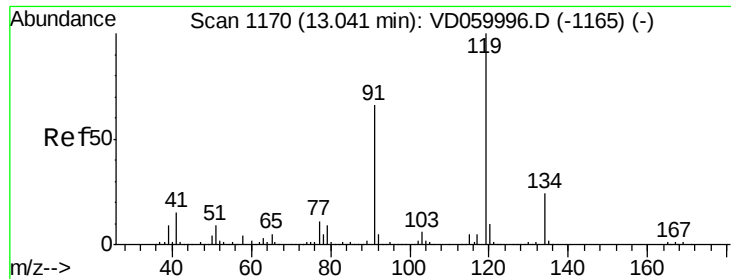
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#82
4-Chlorotoluene
Concen: 53.726 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	15.4	46.1





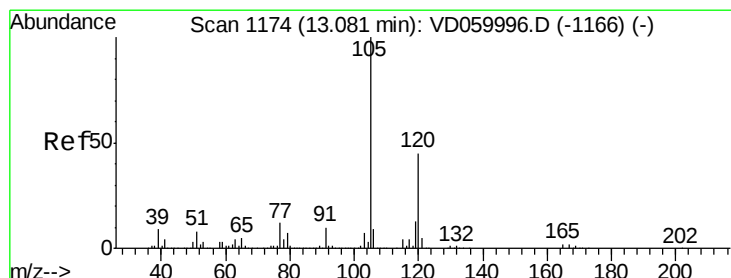
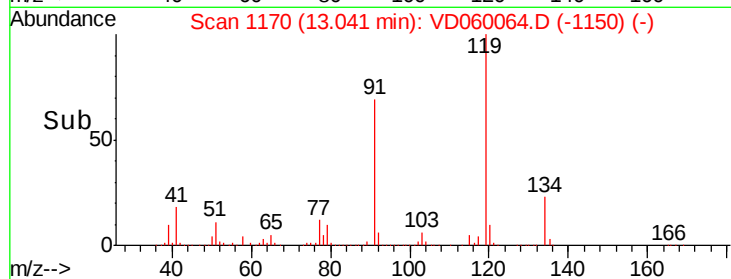
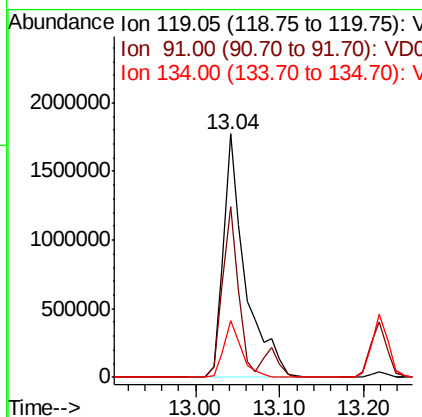
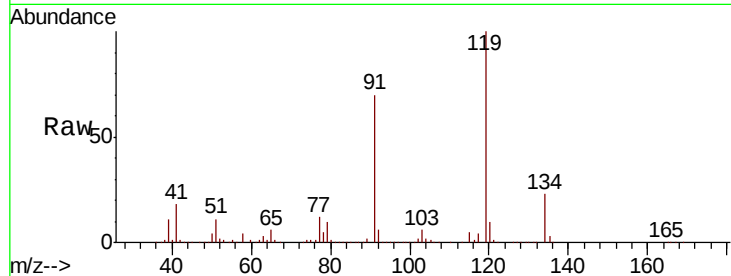
#83
 tert-Butylbenzene
 Concen: 54.368 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 3214027
 Ion Ratio Lower Upper
 119 100
 91 70.0 32.9 98.6
 134 23.4 12.0 36.0

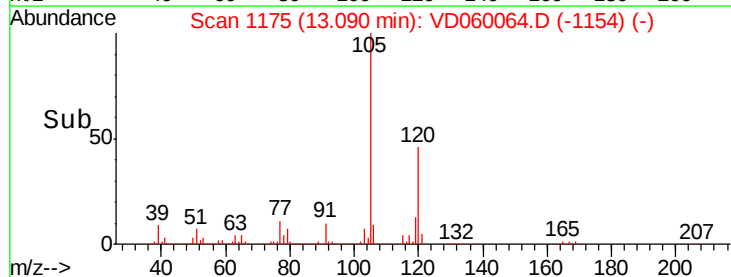
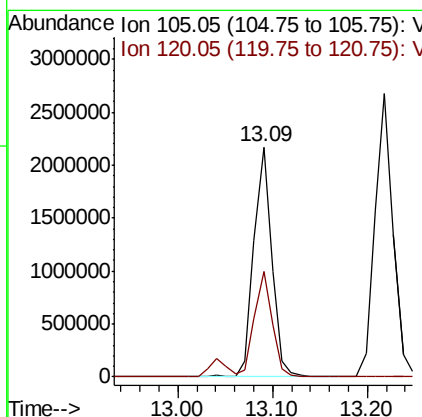
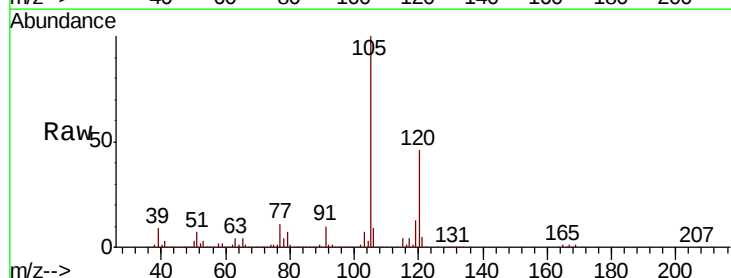
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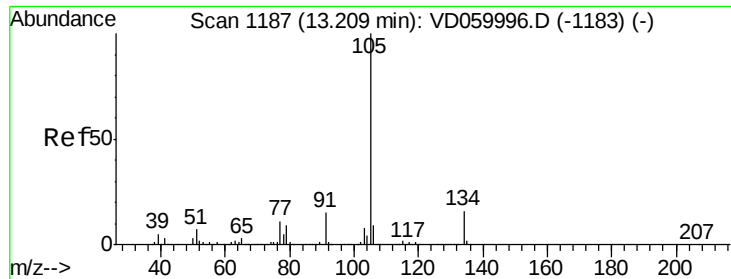
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.713 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion:105 Resp: 2870451
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.449 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3610419

Ion Ratio Lower Upper

105 100

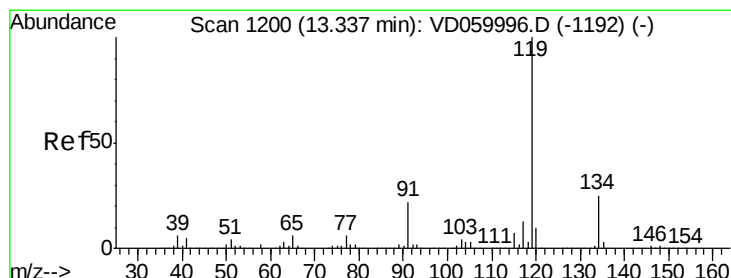
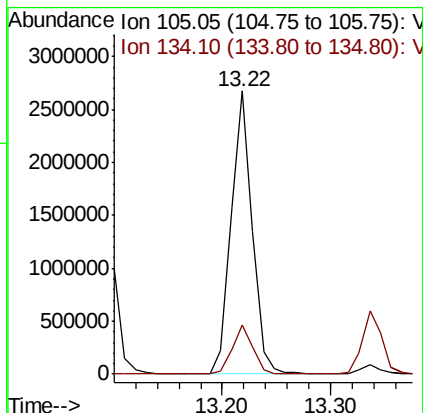
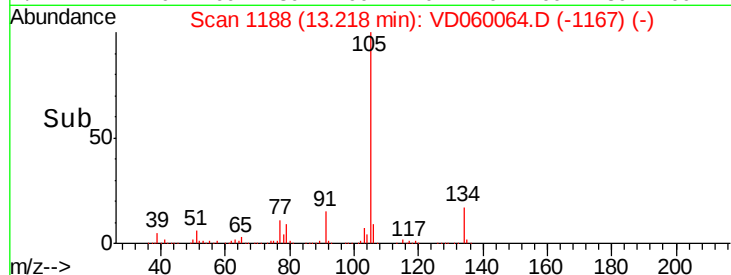
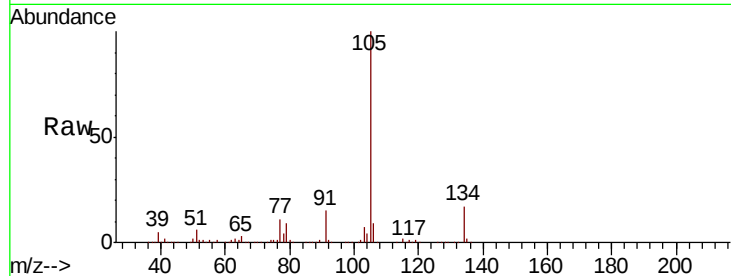
134 17.3 8.2 24.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.262 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

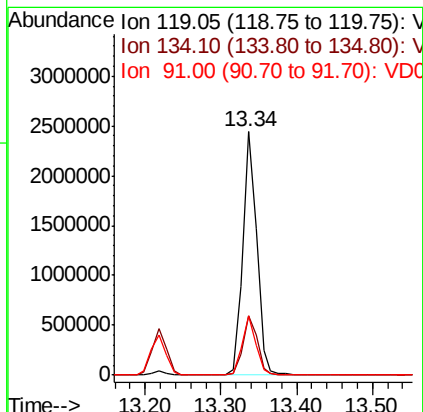
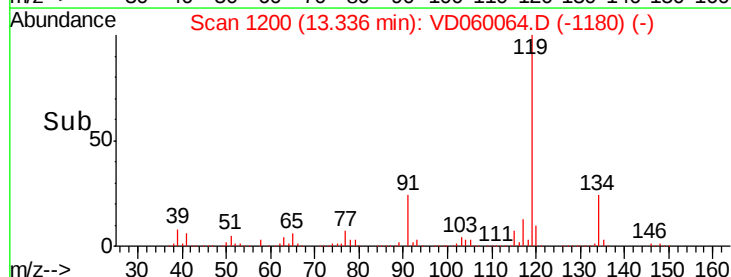
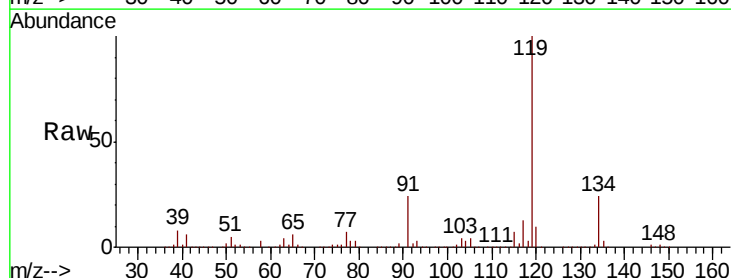
Tgt Ion:119 Resp: 3079738

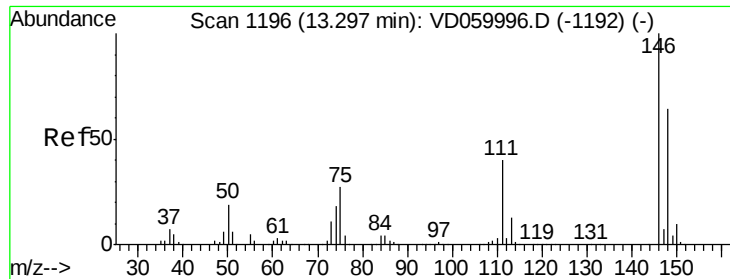
Ion Ratio Lower Upper

119 100

134 24.4 12.8 38.3

91 24.3 11.1 33.3





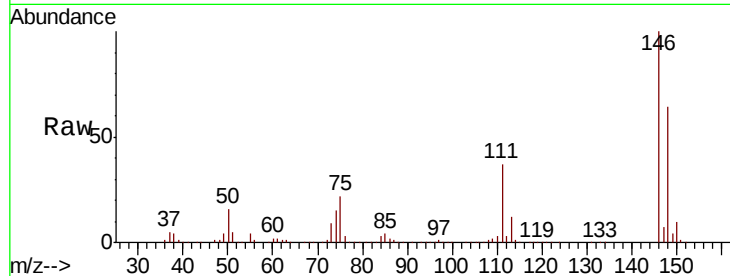
#87
 1,3-Dichlorobenzene
 Concen: 54.812 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

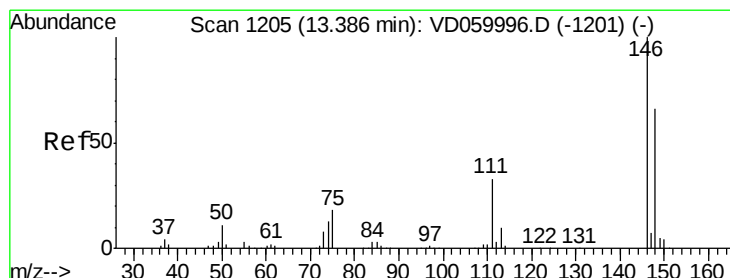
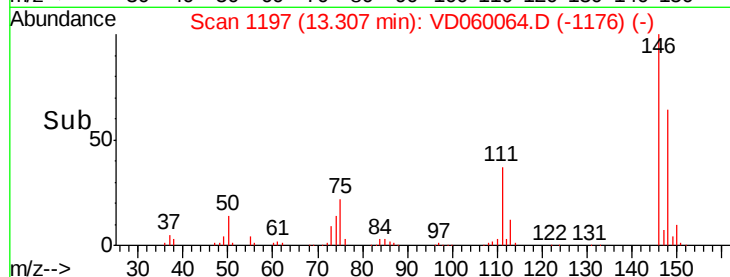
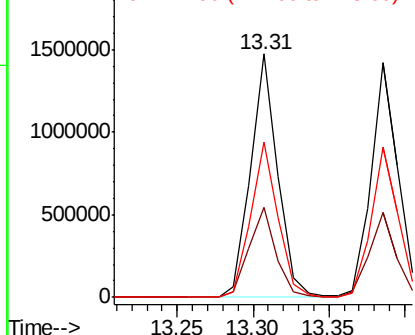
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.2	60.5
148	63.7	32.0	96.2

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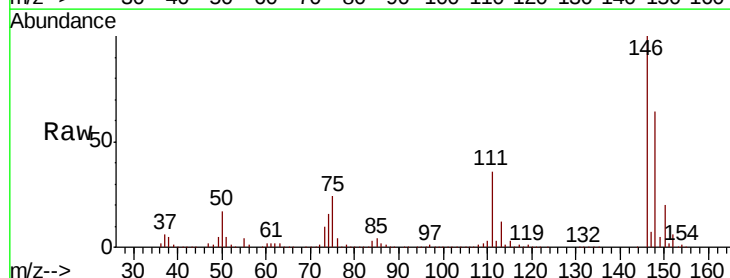


Abundance Ion 145.95 (145.65 to 146.65): V
 2000000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

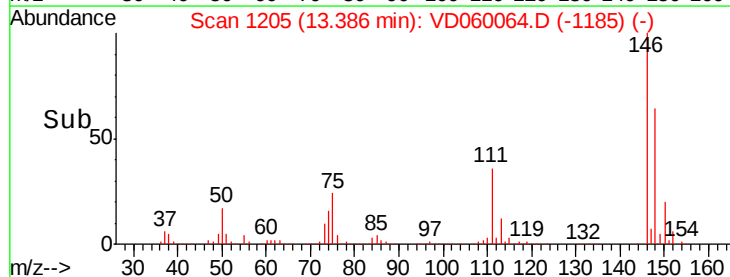
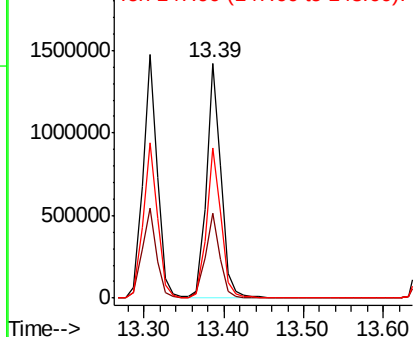


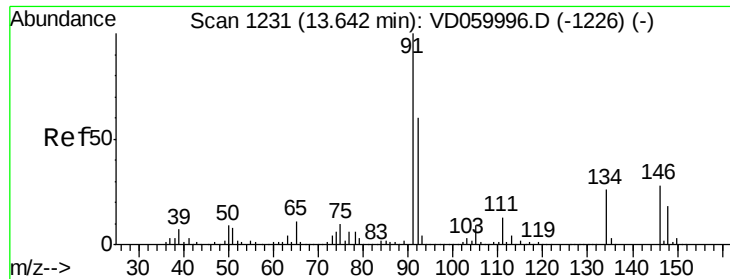
#88
 1,4-Dichlorobenzene
 Concen: 52.905 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	16.7	50.0
148	64.0	32.9	98.6



Abundance Ion 145.95 (145.65 to 146.65): V
 2000000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





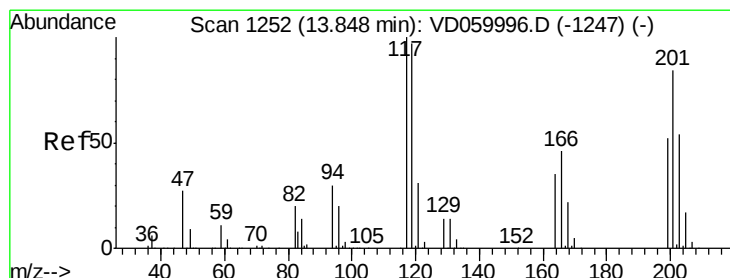
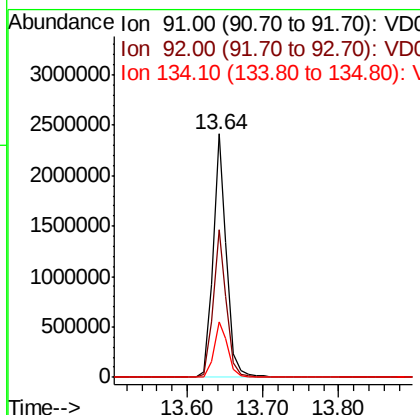
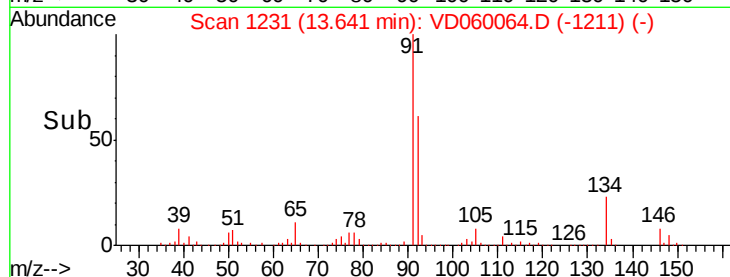
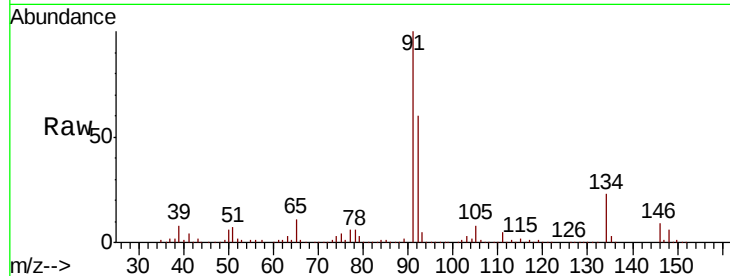
#89
n-Butylbenzene
Concen: 58.646 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3020826
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.3
134 22.6 13.2 39.6

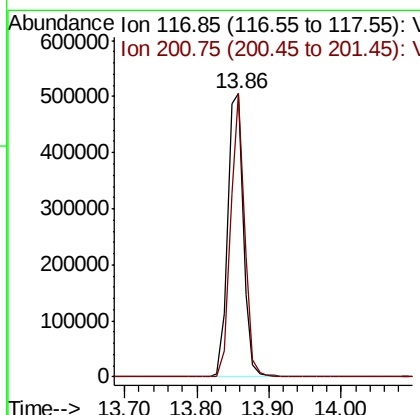
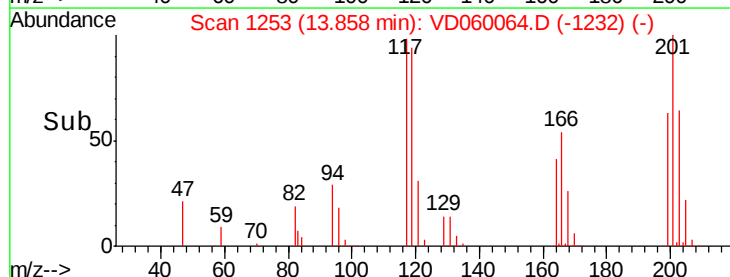
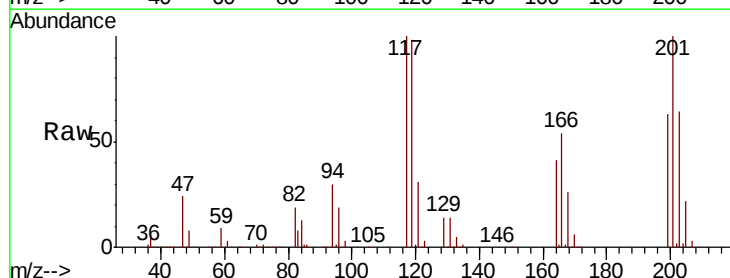
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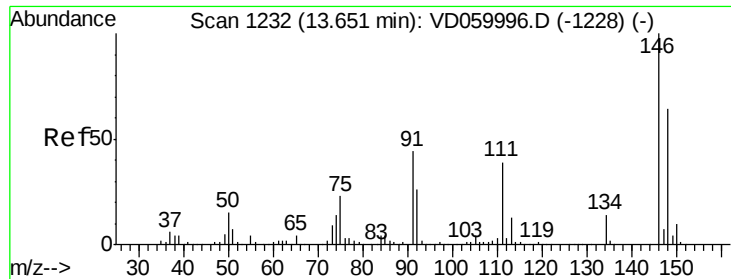
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#90
Hexachloroethane
Concen: 54.631 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060064.D
Acq: 21 Sep 2018 11:21

Tgt Ion: 117 Resp: 767996
Ion Ratio Lower Upper
117 100
201 100.0 42.1 126.4





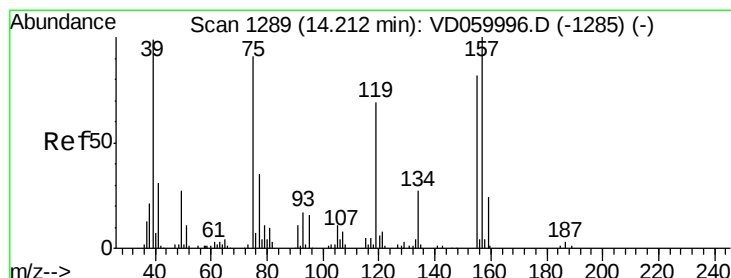
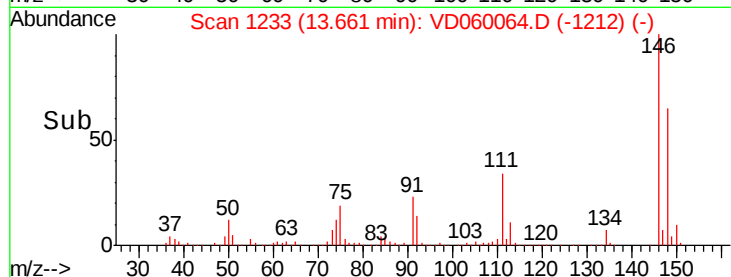
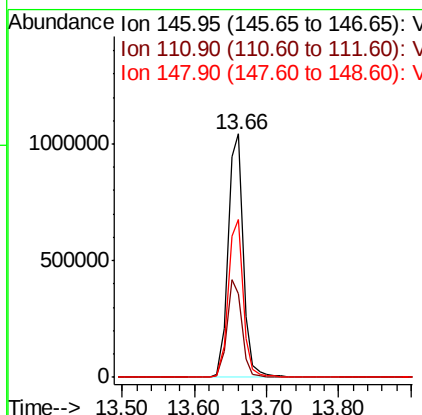
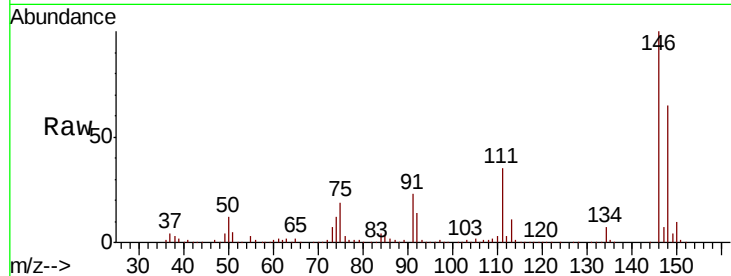
#91
 1,2-Dichlorobenzene
 Concen: 58.219 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1524449
 Ion Ratio Lower Upper
 146 100
 111 34.5 19.6 58.7
 148 64.7 31.9 95.7

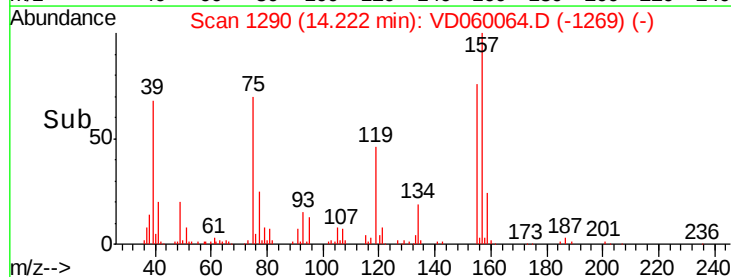
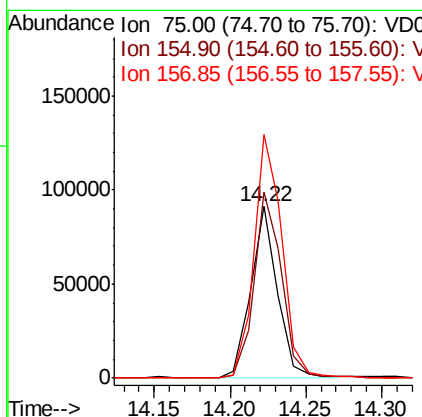
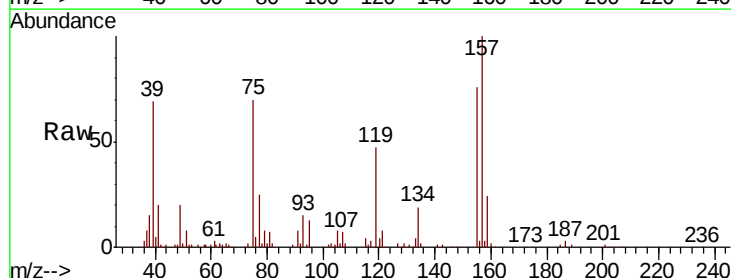
Manual Integrations
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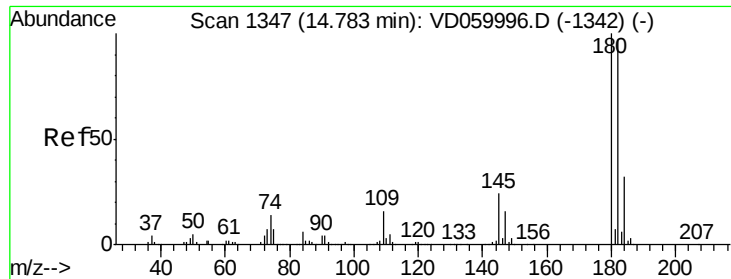
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.722 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion: 75 Resp: 109879
 Ion Ratio Lower Upper
 75 100
 155 108.2 44.7 134.1
 157 141.9 54.7 164.1





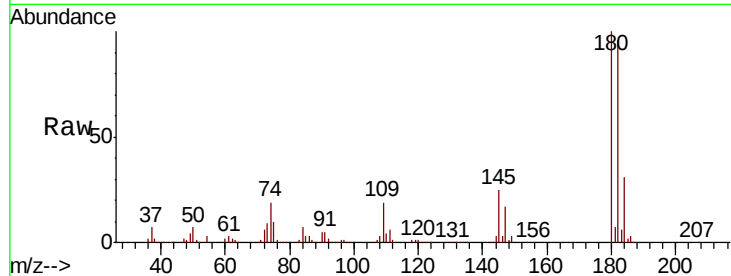
#93
 1,2,4-Trichlorobenzene
 Concen: 54.307 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

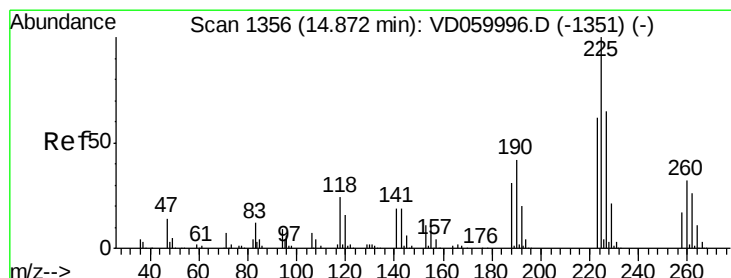
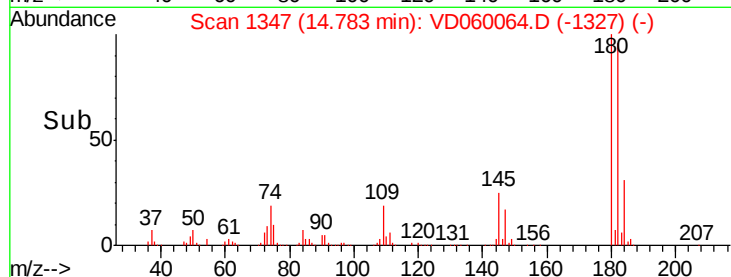
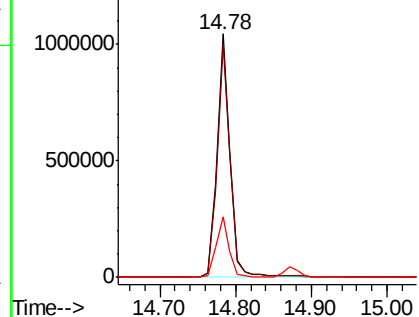
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.5	145.6
145	24.9	11.9	35.7

Manual Integrations
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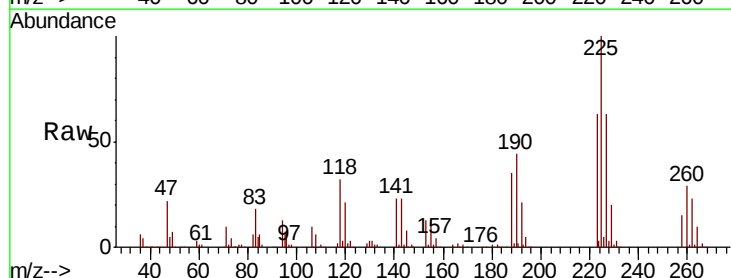


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

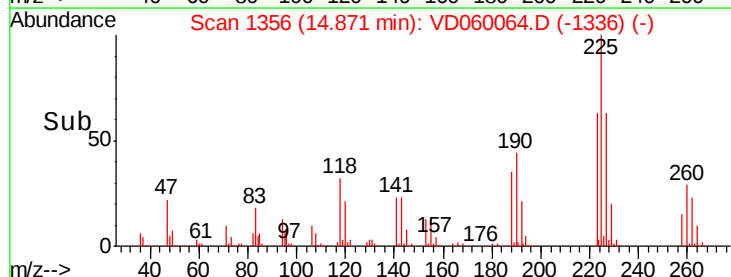
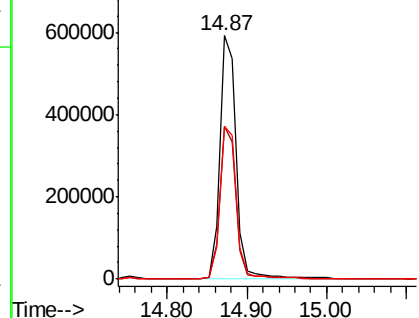


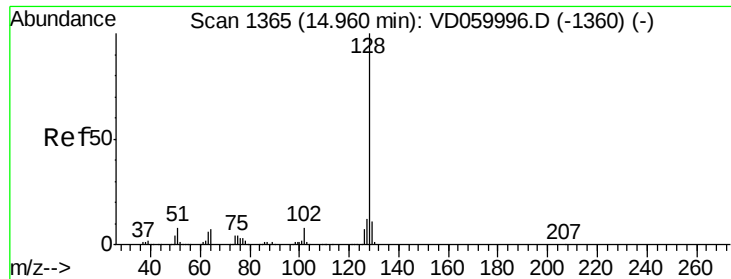
#94
 Hexachlorobutadiene
 Concen: 54.921 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060064.D
 Acq: 21 Sep 2018 11:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.2	93.6
227	62.8	32.3	96.8



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





#95

Naphthalene

Concen: 52.721 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Instrument :

MSVOA_D

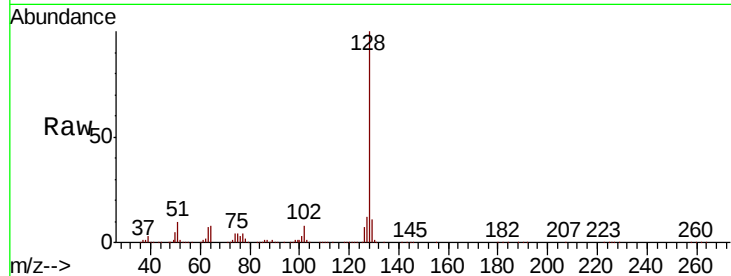
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1935007
Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.7	14.5
129	11.2	8.9	13.3

Manual Integrations
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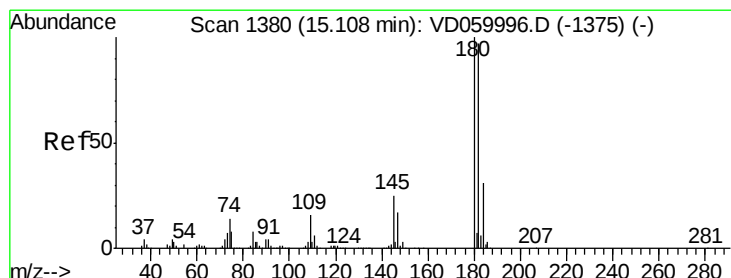
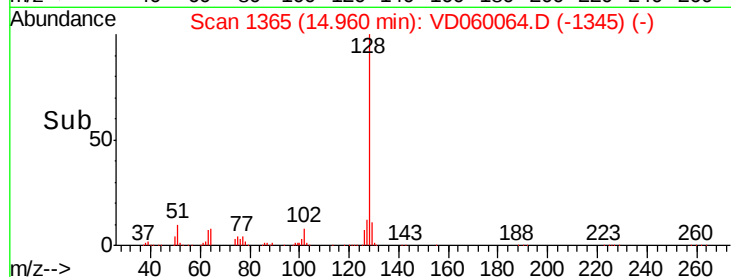
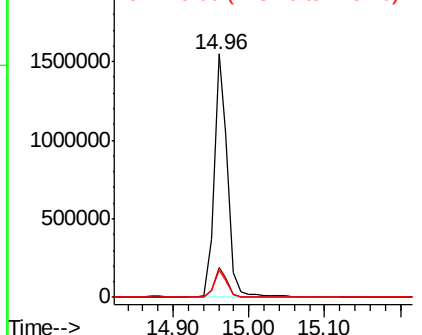


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.268 ug/l

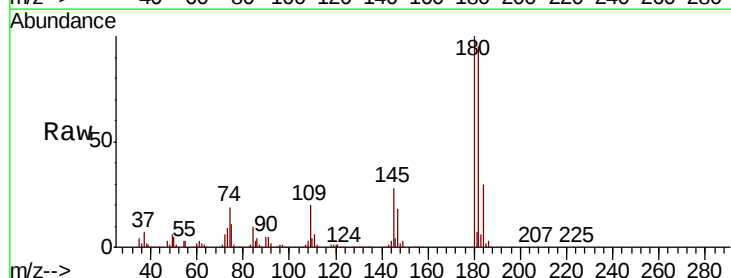
RT: 15.11 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060064.D

Acq: 21 Sep 2018 11:21

Tgt Ion:	180	Resp:	1073720
Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.6	145.9
145	28.1	12.7	38.1



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

