

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061731.D
 Acq On : 11 Apr 2019 10:01
 Operator : VA/AP
 Sample : VD0410SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Quant Time: Apr 11 11:14:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	557029	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	941016	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	834275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	368879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	230482	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	6.92	113	342558	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.41	98	730655	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	
62) 4-Bromofluorobenzene	13.55	95	301725	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	97369	16.203	ug/l	97
3) Chloromethane	1.77	50	93367	19.226	ug/l	97
4) Vinyl Chloride	1.86	62	88079	19.410	ug/l	98
5) Bromomethane	2.16	94	17923	17.064	ug/l	91
6) Chloroethane	2.27	64	26897	18.924	ug/l	99
7) Trichlorofluoromethane	2.54	101	134538	19.636	ug/l	96
8) Diethyl Ether	2.88	74	41886	21.783	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	127446	18.920	ug/l	94
10) Methyl Iodide	3.32	142	169433	19.289	ug/l	96
11) Tert butyl alcohol	4.08	59	29956	105.863	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	111215	19.152	ug/l	97
13) Acrolein	3.04	56	17210	49.884	ug/l	100
14) Allyl chloride	3.63	41	174812	22.072	ug/l	98
15) Acrylonitrile	4.20	53	104718	107.505	ug/l	92
16) Acetone	3.23	43	104881	83.096	ug/l	95
17) Carbon Disulfide	3.39	76	340736	18.058	ug/l	99
18) Methyl Acetate	3.64	43	66861	28.156	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	244899	24.357	ug/l	97
20) Methylene Chloride	3.82	84	166068	23.187	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	131290	20.817	ug/l	97
22) Diisopropyl ether	5.12	45	379815	22.873	ug/l	96
23) Vinyl Acetate	5.06	43	987237	107.746	ug/l	99
24) 1,1-Dichloroethane	4.98	63	213652	20.996	ug/l	97
25) 2-Butanone	6.06	43	151857	104.364	ug/l	100
26) 2,2-Dichloropropane	6.02	77	150156	18.122	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	149491	22.218	ug/l	95
28) Bromochloromethane	6.44	49	81917	21.823	ug/l	100
29) Tetrahydrofuran	6.46	42	79426	113.076	ug/l	96
30) Chloroform	6.66	83	250653	23.513	ug/l	97
31) Cyclohexane	6.95	56	143990	18.113	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	201712	21.593	ug/l	97
36) 1,1-Dichloropropene	7.15	75	163896	19.901	ug/l	99
37) Ethyl Acetate	6.18	43	74386	22.175	ug/l	98
38) Carbon Tetrachloride	7.11	117	203792	21.114	ug/l	95

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 Sample : VD0410SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0410SBS02

Quant Time: Apr 11 11:14:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	170400	20.153	ug/l	97
40) Benzene	7.45	78	429223	21.603	ug/l	96
41) Methacrylonitrile	6.44	41	92466	23.613	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	152843	24.461	ug/l	97
43) Isopropyl Acetate	9.23	43	113185	23.249	ug/l #	96
44) Trichloroethene	8.53	130	161691	21.228	ug/l	98
45) 1,2-Dichloropropane	8.94	63	108265	21.973	ug/l	98
46) Dibromomethane	9.06	93	82123	23.321	ug/l	94
47) Bromodichloromethane	9.37	83	187042	24.184	ug/l	98
48) Methyl methacrylate	9.12	41	59343	21.147	ug/l	98
49) 1,4-Dioxane	9.07	88	13392	432.342	ug/l #	94
51) 4-Methyl-2-Pentanone	10.30	43	354239	123.038	ug/l	96
52) Toluene	10.50	92	271572	21.889	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	159137	23.473	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	193584	23.163	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	95476	22.817	ug/l	97
56) Ethyl methacrylate	11.04	69	106163	24.050	ug/l	99
57) 1,3-Dichloropropane	11.40	76	145997	23.825	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	247234	118.701	ug/l	98
59) 2-Hexanone	11.53	43	245832	110.020	ug/l	99
60) Dibromochloromethane	11.67	129	159575	24.138	ug/l	97
61) 1,2-Dibromoethane	11.80	107	123394	25.216	ug/l	98
64) Tetrachloroethene	11.25	164	136121	21.020	ug/l	94
65) Chlorobenzene	12.39	112	344630	20.830	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	155204	24.378	ug/l	94
67) Ethyl Benzene	12.52	91	579999	23.021	ug/l	99
68) m/p-Xylenes	12.66	106	417029	42.936	ug/l	96
69) o-Xylene	13.04	106	176606	18.836	ug/l	99
70) Styrene	13.06	104	334144	20.868	ug/l	98
71) Bromoform	13.23	173	91672	23.207	ug/l #	93
73) Isopropylbenzene	13.40	105	563559	22.929	ug/l	98
74) N-amyl acetate	13.26	43	140424	21.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	110119	21.668	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	113870	22.690	ug/l	97
77) Bromobenzene	13.66	156	149576	20.966	ug/l	88
78) n-propylbenzene	13.77	91	668503	22.737	ug/l	97
79) 2-Chlorotoluene	13.83	91	382404	22.744	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	372733	19.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	29858	19.606	ug/l	92
82) 4-Chlorotoluene	13.94	91	380766	20.667	ug/l	91
83) tert-Butylbenzene	14.19	119	500652	21.285	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	427849	21.730	ug/l	95
85) sec-Butylbenzene	14.36	105	516660	20.330	ug/l	96
86) p-Isopropyltoluene	14.48	119	499680	22.665	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	270841	22.059	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	249149	20.111	ug/l	97
89) n-Butylbenzene	14.80	91	412524	21.528	ug/l	98
90) Hexachloroethane	15.00	117	135605	22.669	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	234528	23.176	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15721	25.634	ug/l	80

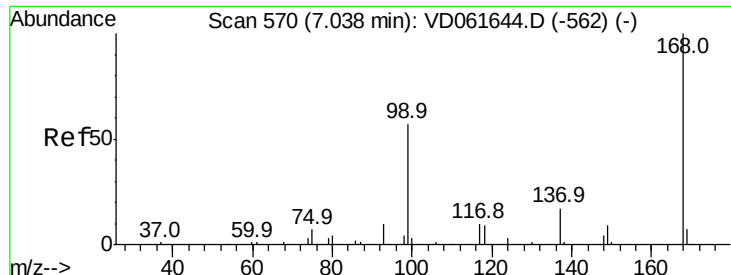
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
Data File : VD061731.D
Acq On : 11 Apr 2019 10:01
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Sample : VD0410SBSD02
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	110191	21.373	ug/l	97
94) Hexachlorobutadiene	16.04	225	77843	19.554	ug/l	98
95) Naphthalene	16.11	128	184729	22.645	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	55186	21.448	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

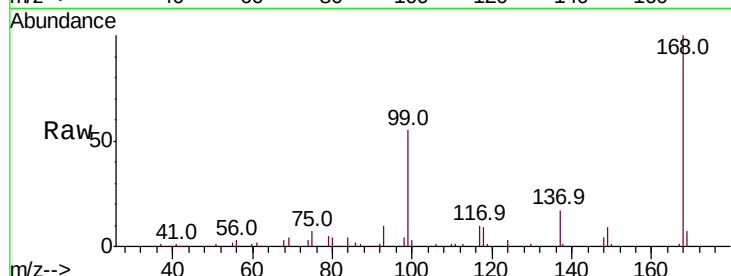
VD0410SBS02

Tot Ion:168 Resp: 557029

Ion Ratio Lower Upper

168 100

99 55.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

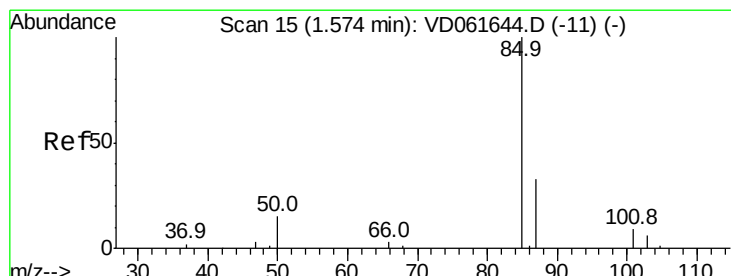
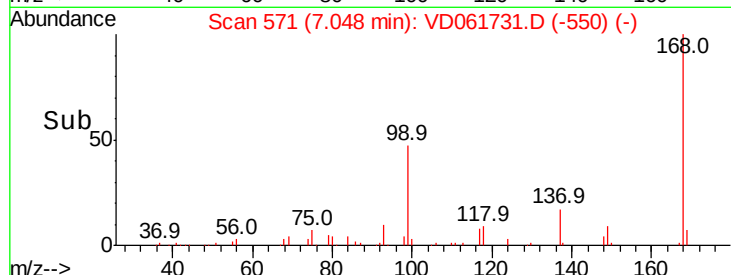
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 16.203 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061731.D

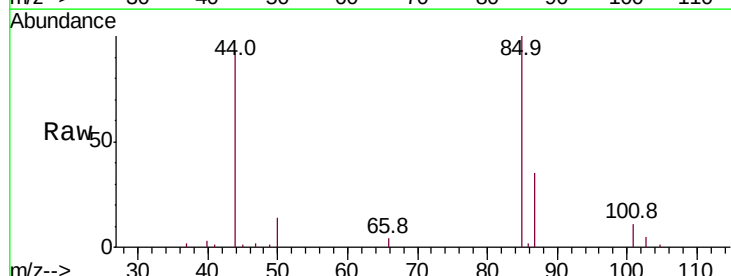
Acq: 11 Apr 2019 10:01

Tgt Ion: 85 Resp: 97369

Ion Ratio Lower Upper

85 100

87 34.8 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

40000

30000

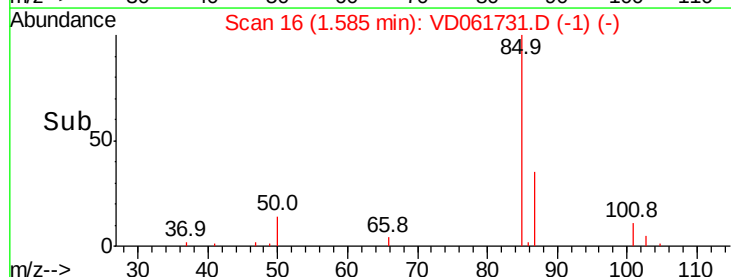
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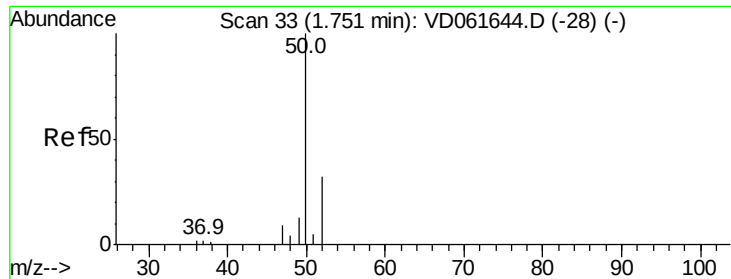
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.226 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

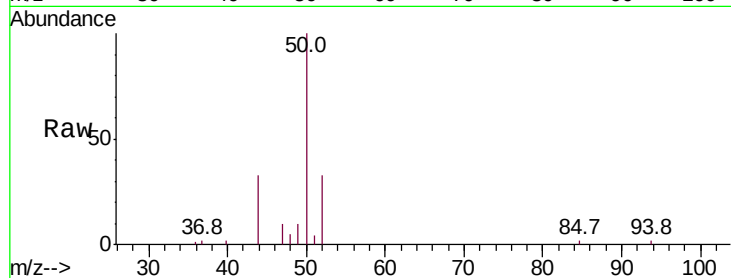
VD0410SBS02

Tot Ion: 50 Resp: 93367

Ion Ratio Lower Upper

50 100

52 32.8 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

25000

20000

15000

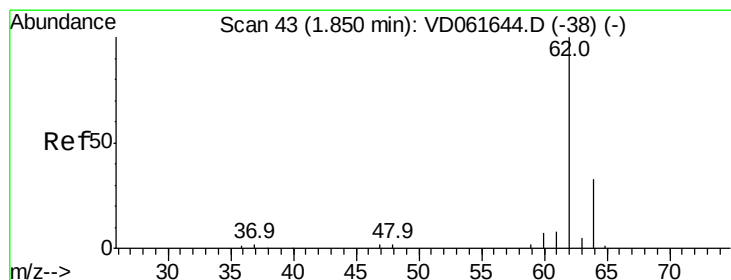
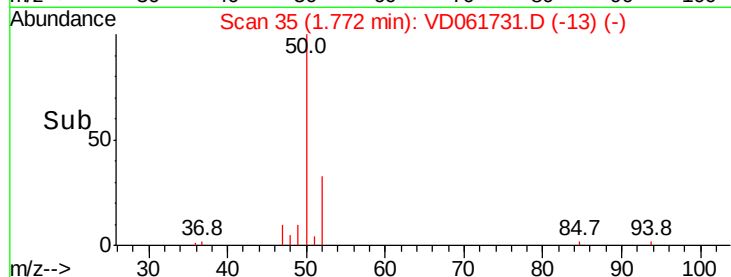
10000

5000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.410 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061731.D

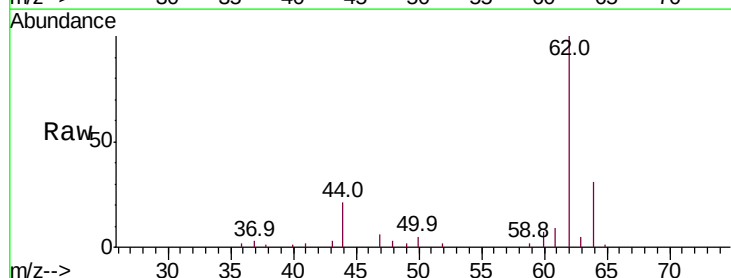
Acq: 11 Apr 2019 10:01

Tgt Ion: 62 Resp: 88079

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

40000

30000

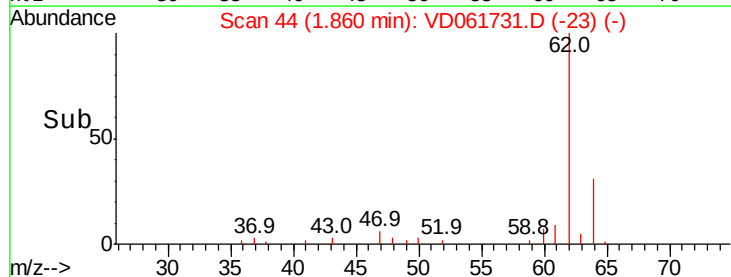
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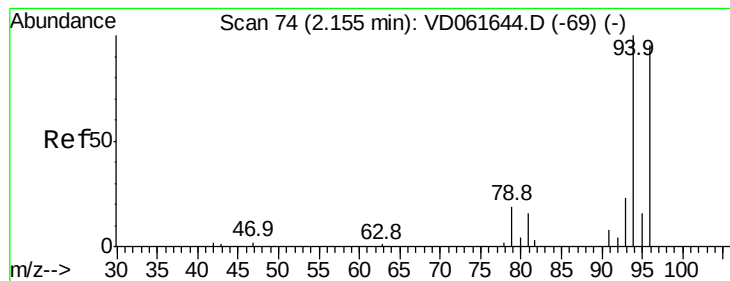
10000

0

Time-->

1.80 1.90 2.00





#5

Bromomethane

Concen: 17.064 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBSD02

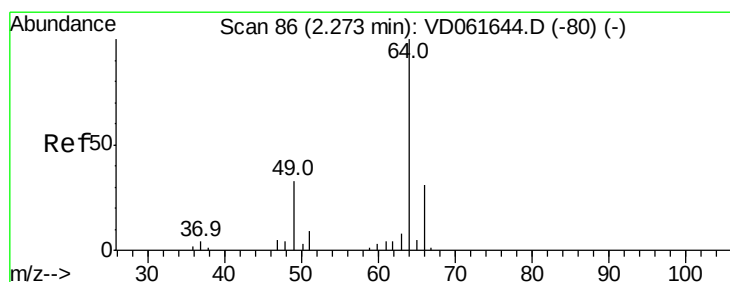
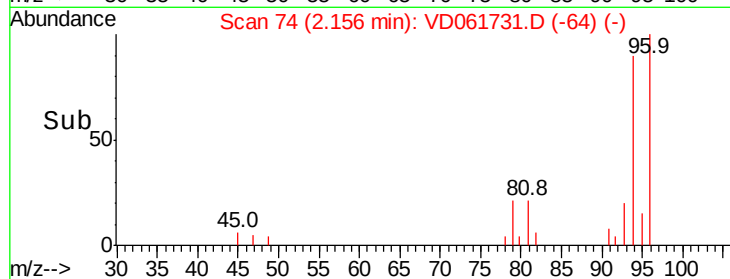
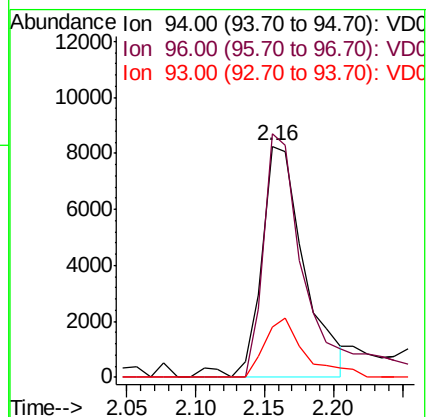
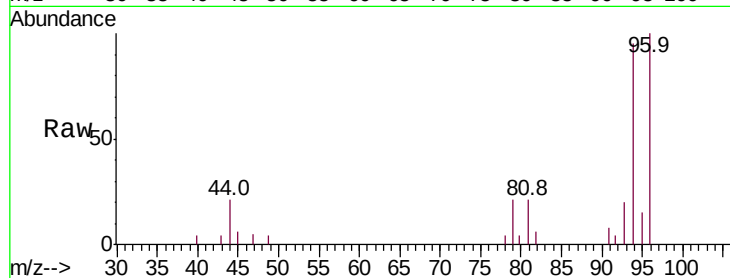
Tot Ion: 94 Resp: 17923

Ion Ratio Lower Upper

94 100

96 105.3 75.8 113.8

93 21.5 18.6 28.0



#6

Chloroethane

Concen: 18.924 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061731.D

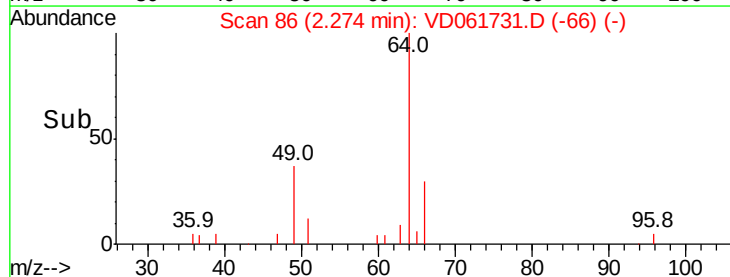
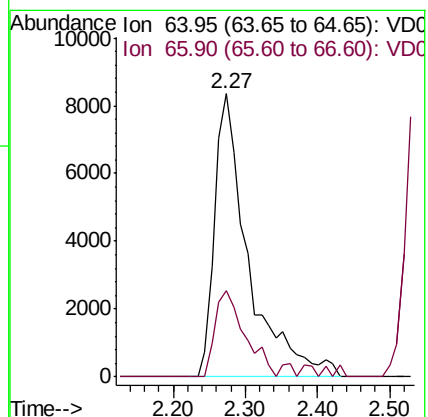
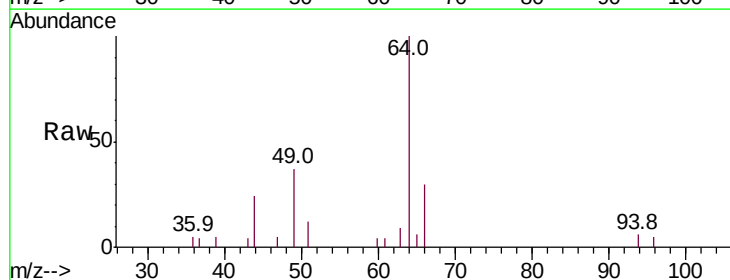
Acq: 11 Apr 2019 10:01

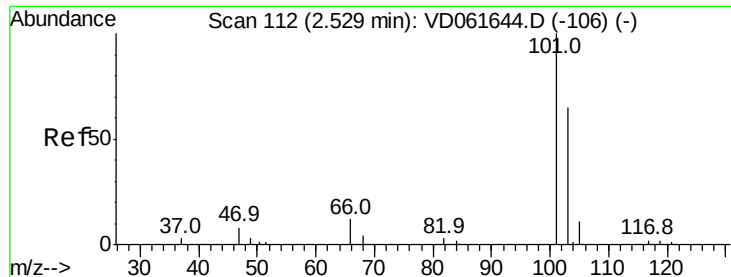
Tgt Ion: 64 Resp: 26897

Ion Ratio Lower Upper

64 100

66 30.5 24.9 37.3



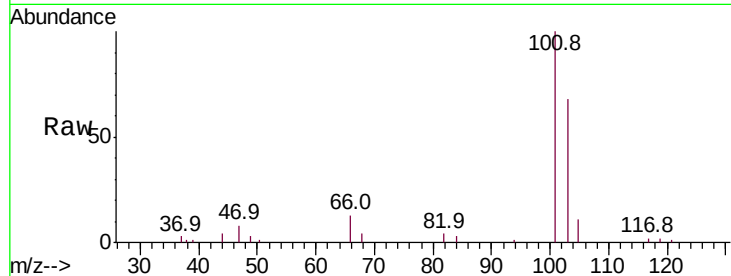


#7

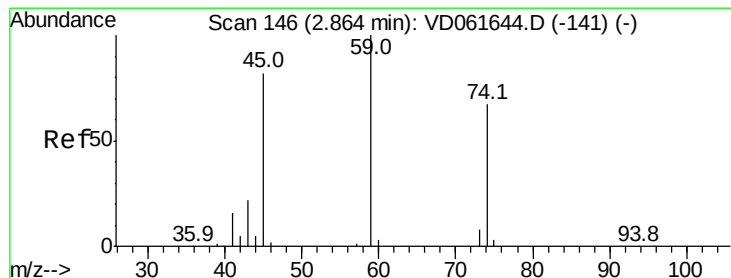
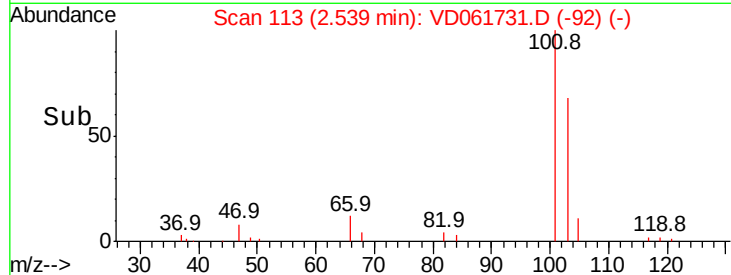
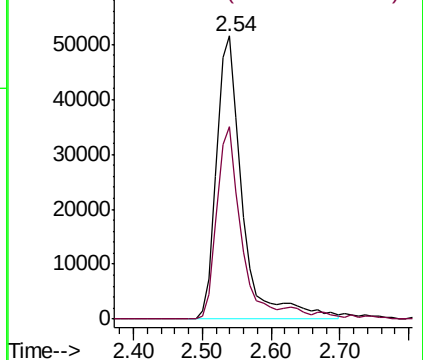
Trichlorofluoromethane
 Concen: 19.636 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD02

Tot Ion:101 Resp: 134538
 Ion Ratio Lower Upper
 101 100
 103 68.2 52.0 78.0



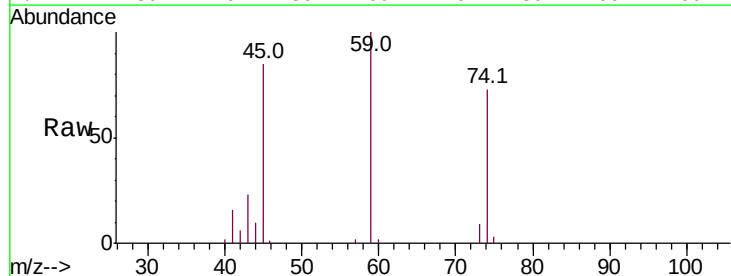
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



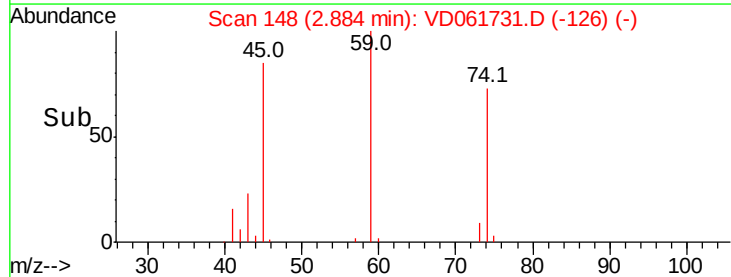
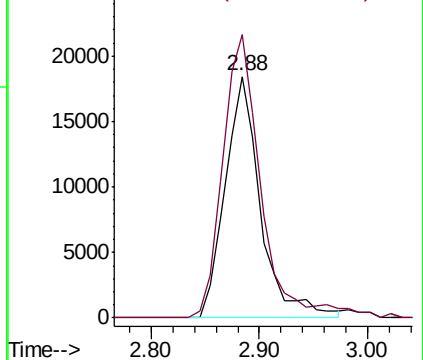
#8

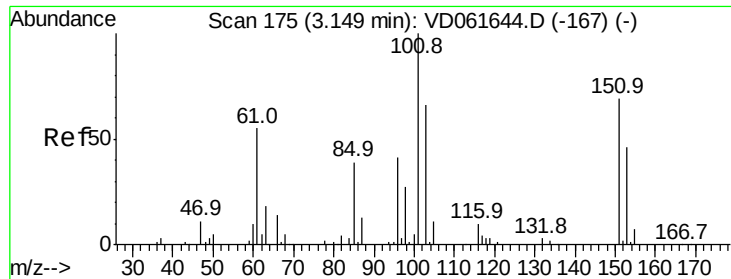
Diethyl Ether
 Concen: 21.783 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 74 Resp: 41886
 Ion Ratio Lower Upper
 74 100
 45 117.3 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.920 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

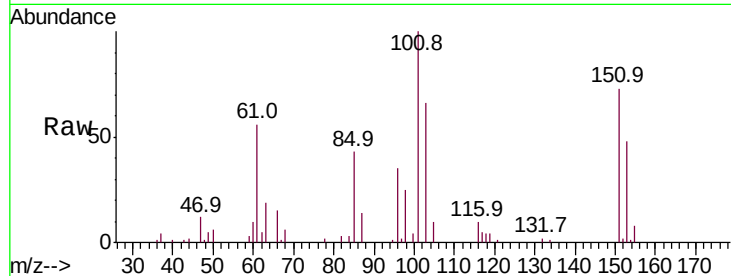
Tot Ion:101 Resp: 127446

Ion Ratio Lower Upper

101 100

85 43.3 31.0 46.6

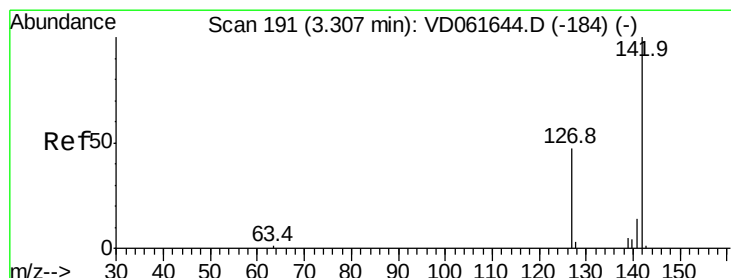
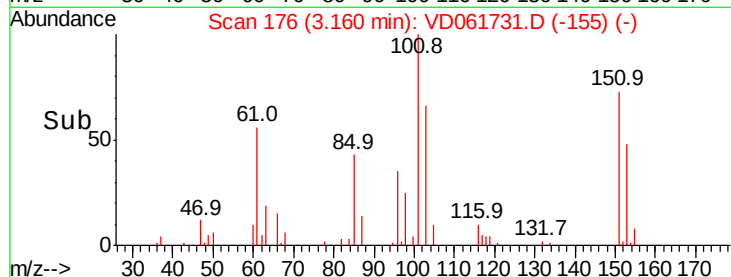
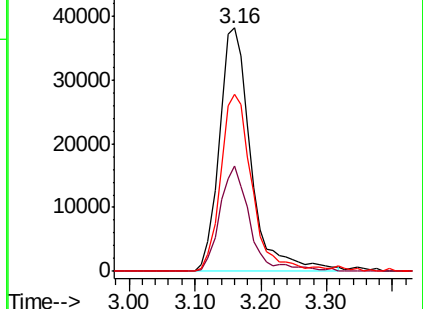
151 73.0 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.289 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

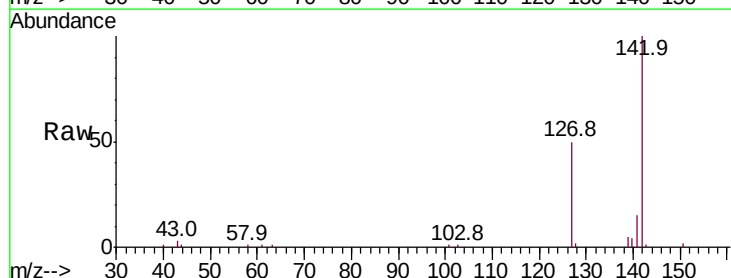
Tgt Ion:142 Resp: 169433

Ion Ratio Lower Upper

142 100

127 49.7 37.2 55.8

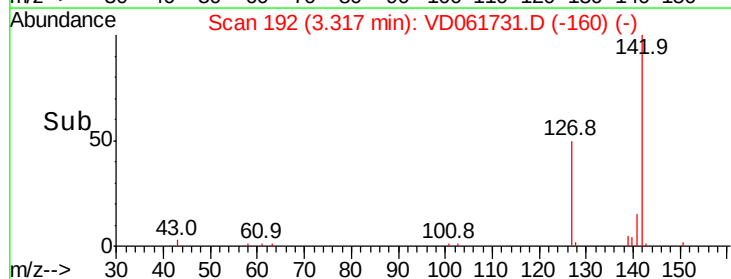
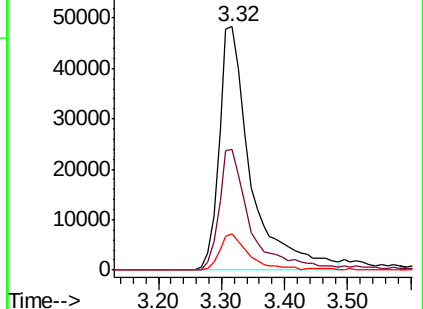
141 14.9 10.8 16.2

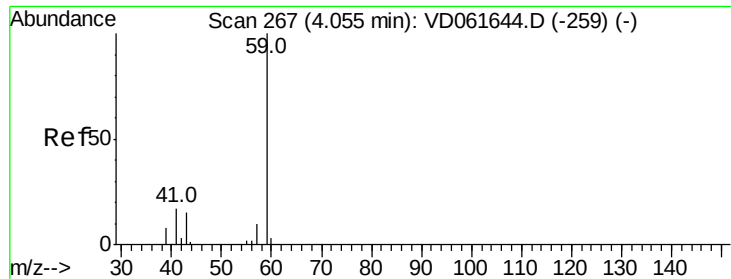


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



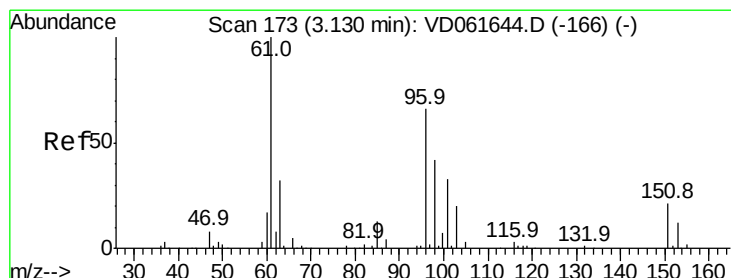
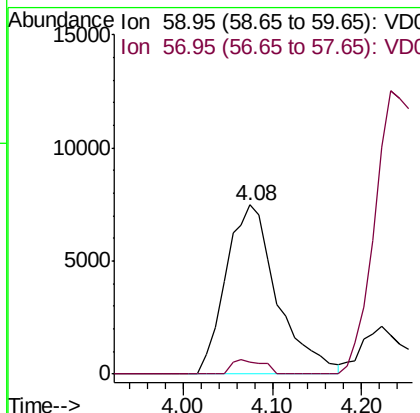
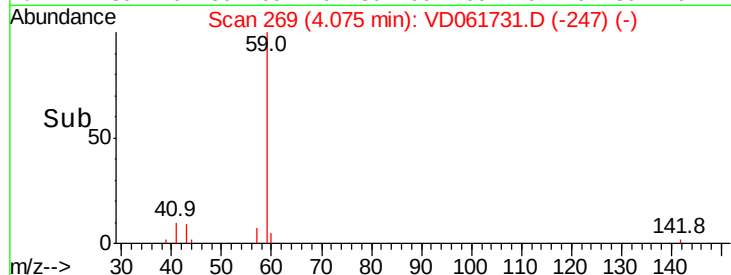
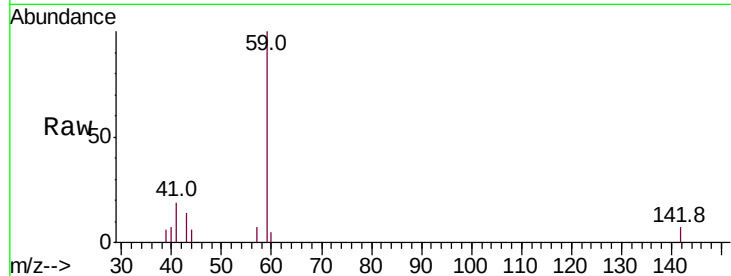


#11

Tert butyl alcohol
 Concen: 105.863 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.02 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

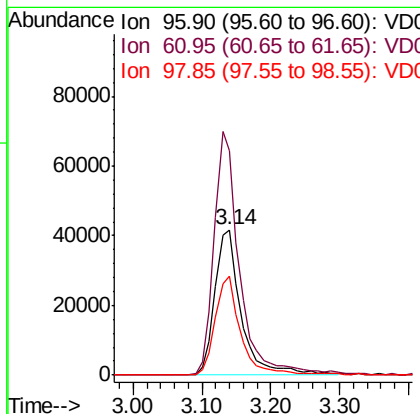
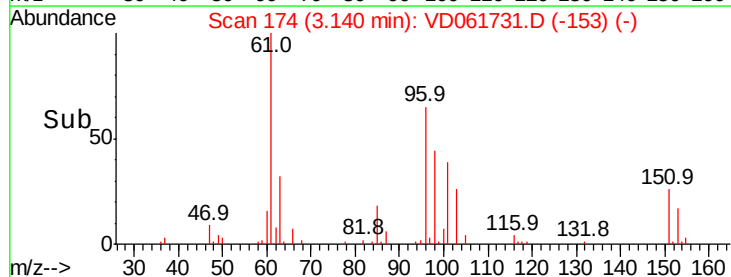
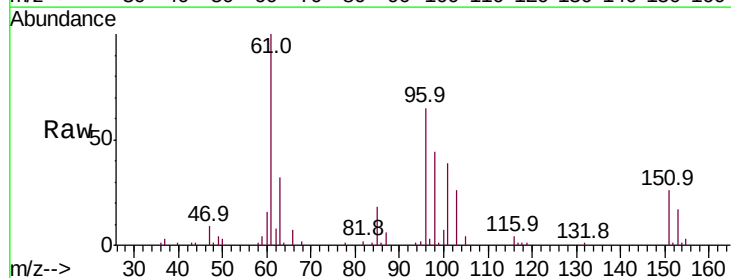
Tot Ion: 59 Resp: 29956
 Ion Ratio Lower Upper
 59 100
 57 6.7 8.4 12.6#

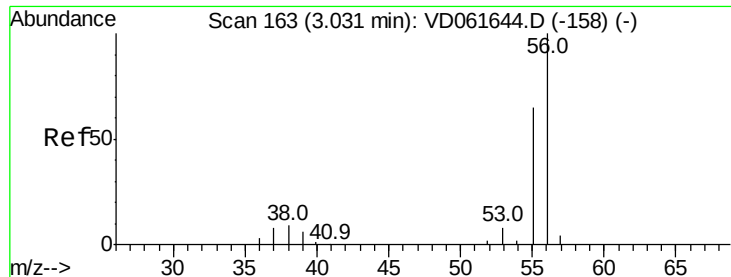


#12

1,1-Dichloroethene
 Concen: 19.152 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 96 Resp: 111215
 Ion Ratio Lower Upper
 96 100
 61 154.5 121.3 181.9
 98 67.8 50.6 76.0

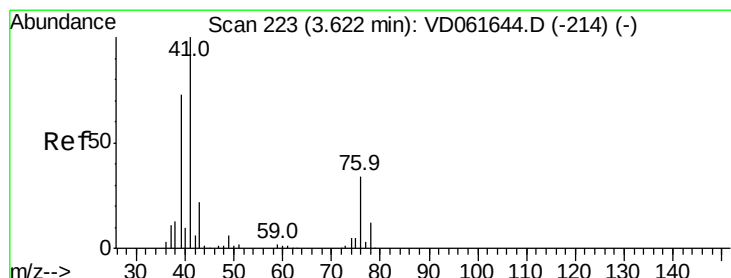
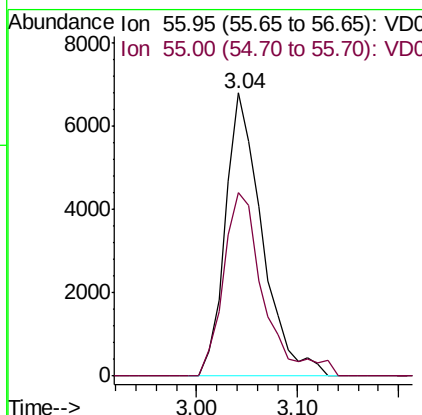
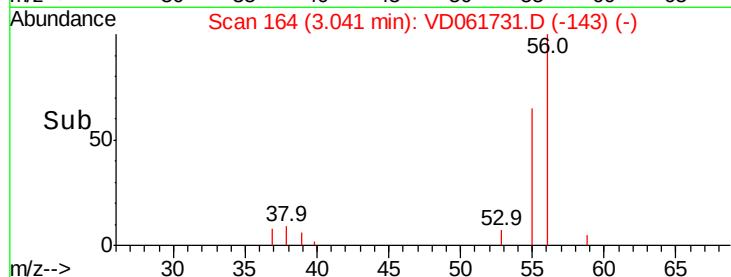
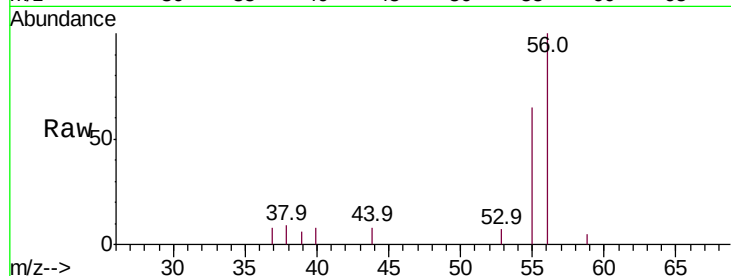




#13
 Acrolein
 Concen: 49.884 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. 0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

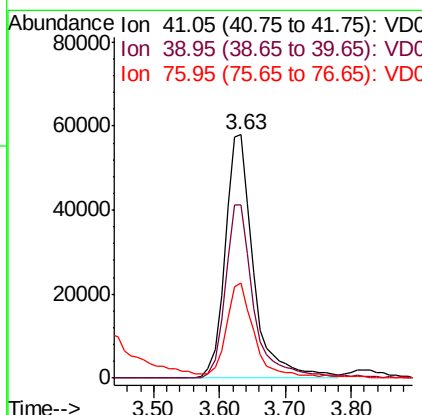
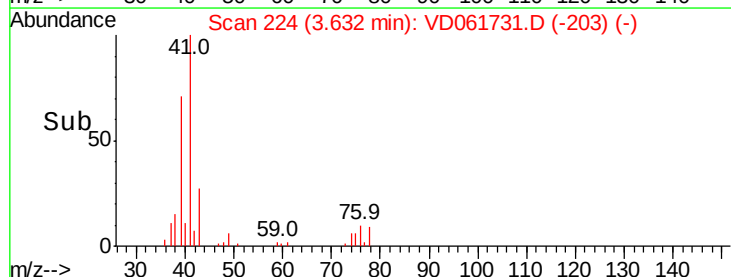
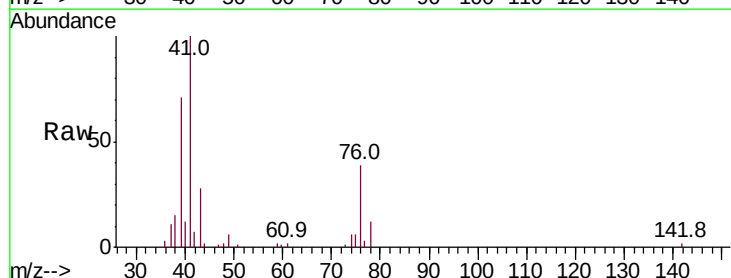
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

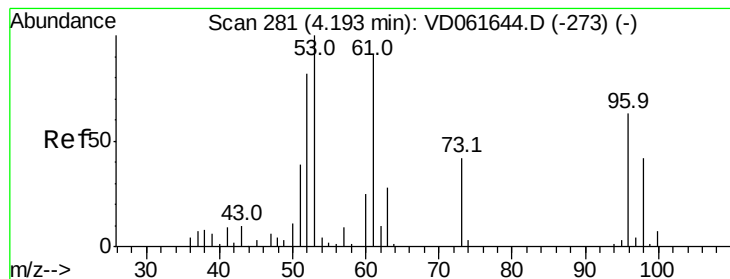
Tot Ion: 56 Resp: 17210
 Ion Ratio Lower Upper
 56 100
 55 65.0 51.8 77.6



#14
 Allyl chloride
 Concen: 22.072 ug/l
 RT: 3.63 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 41 Resp: 174812
 Ion Ratio Lower Upper
 41 100
 39 71.4 58.2 87.4
 76 38.8 29.8 44.6





#15

Acrylonitrile

Concen: 107.505 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

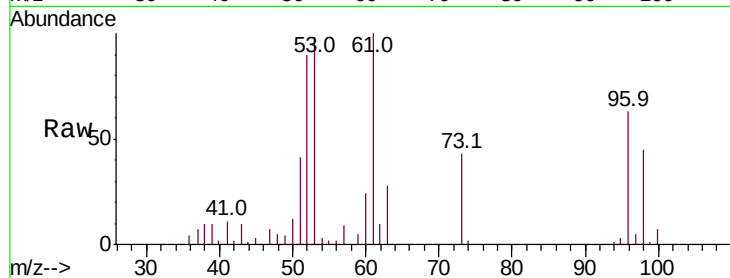
Tot Ion: 53 Resp: 104718

Ion Ratio Lower Upper

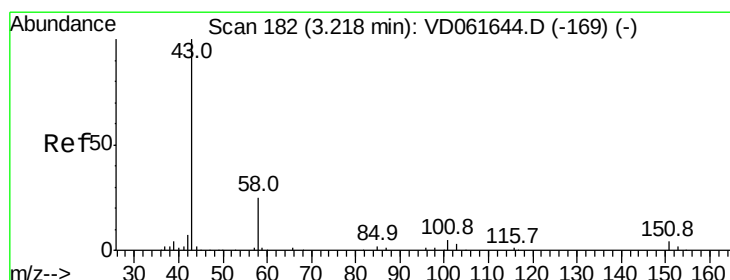
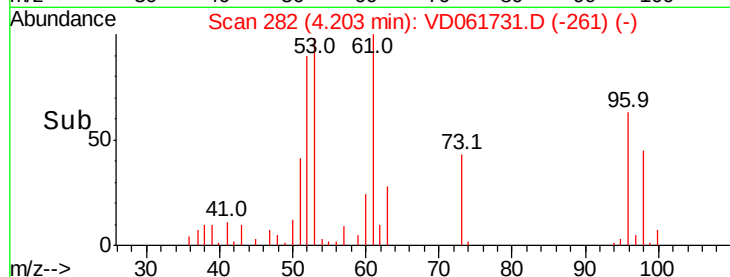
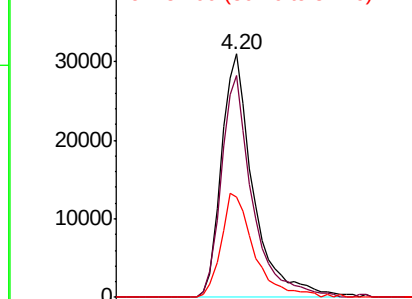
53 100

52 91.3 65.9 98.9

51 41.2 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 83.096 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061731.D

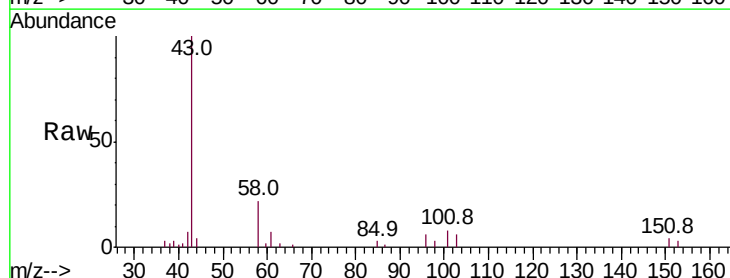
Acq: 11 Apr 2019 10:01

Tgt Ion: 43 Resp: 104881

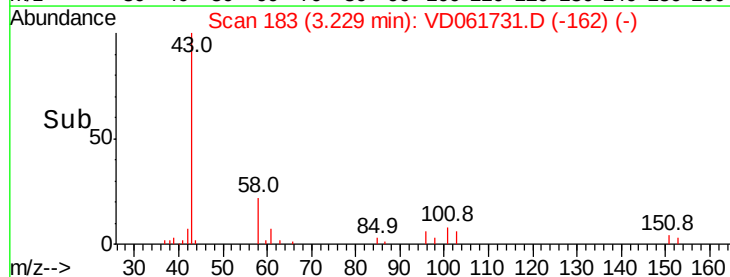
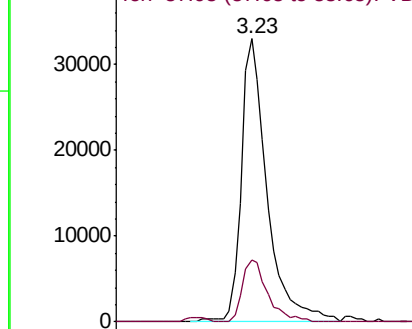
Ion Ratio Lower Upper

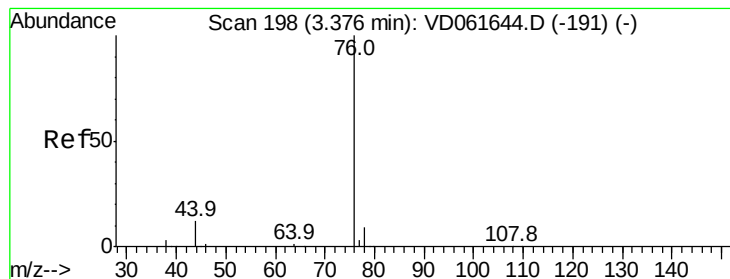
43 100

58 22.0 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.058 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

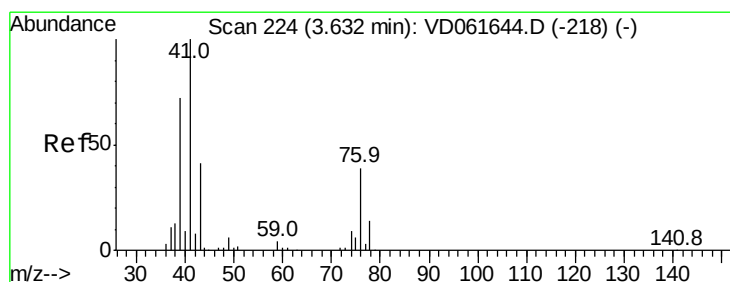
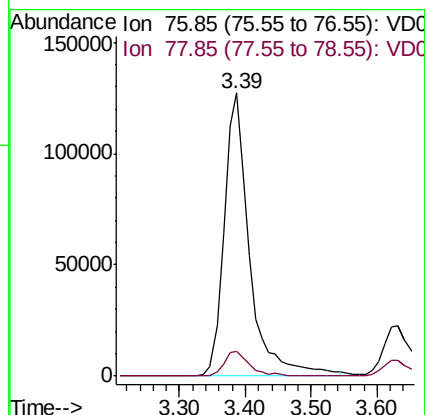
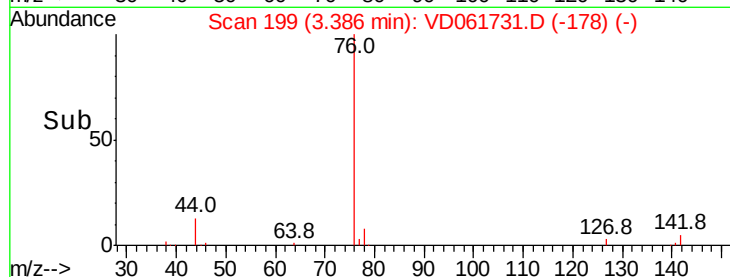
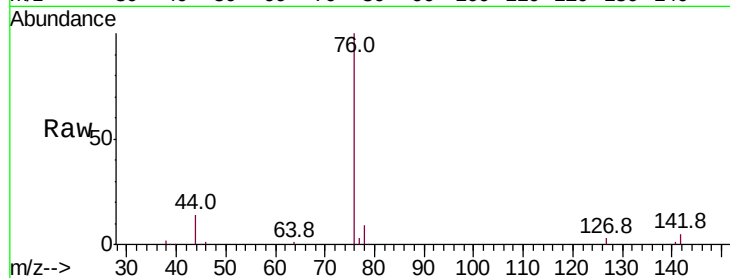
VD0410SBS02

Tot Ion: 76 Resp: 340736

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



#18

Methyl Acetate

Concen: 28.156 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061731.D

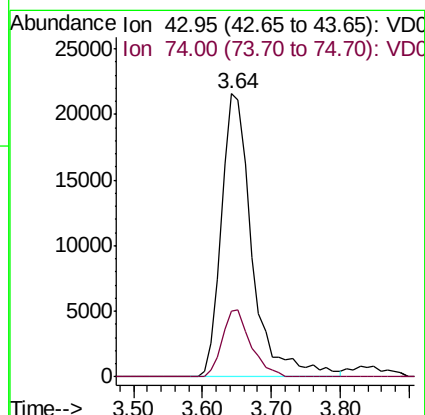
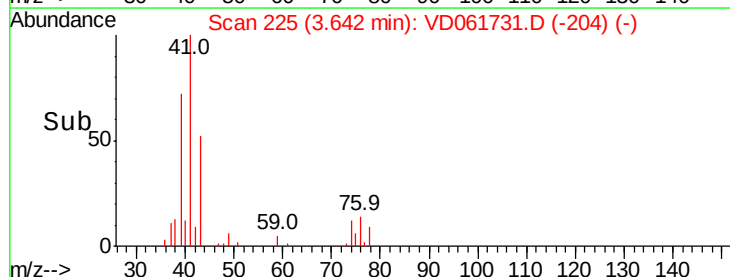
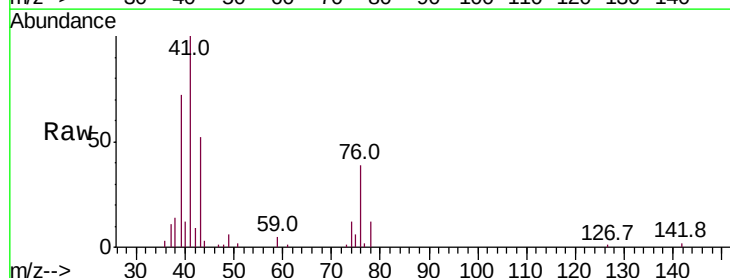
Acq: 11 Apr 2019 10:01

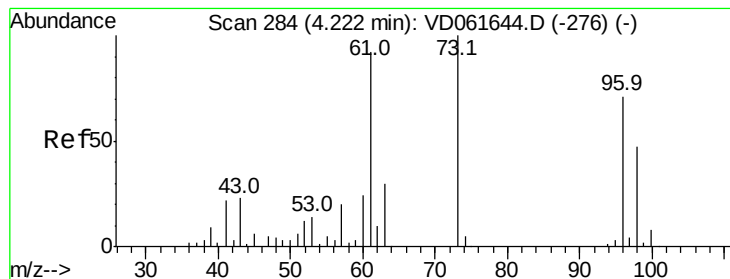
Tgt Ion: 43 Resp: 66861

Ion Ratio Lower Upper

43 100

74 23.2 18.2 27.2



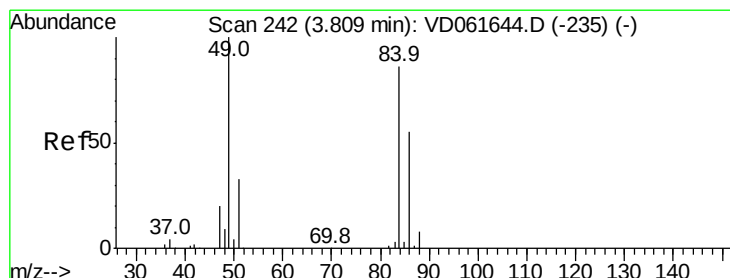
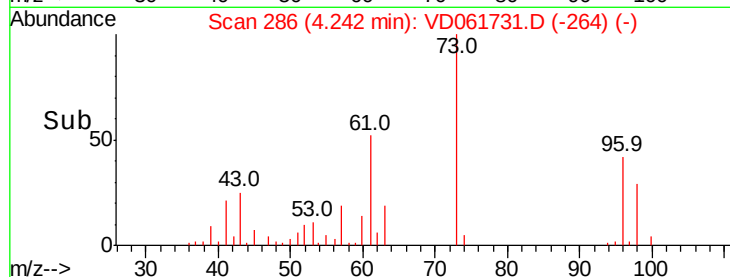
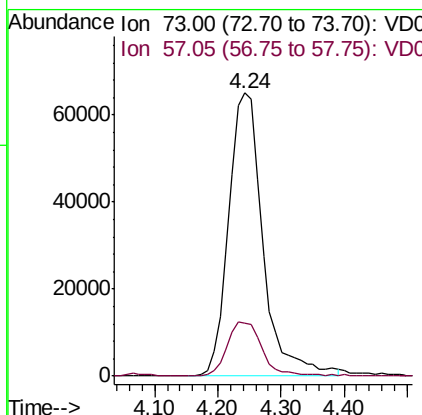
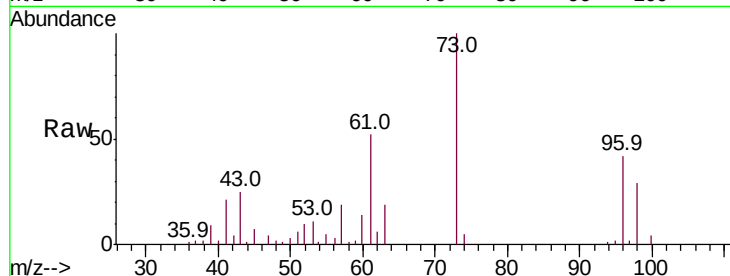


#19

Methyl tert-butyl Ether
 Concen: 24.357 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.02 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

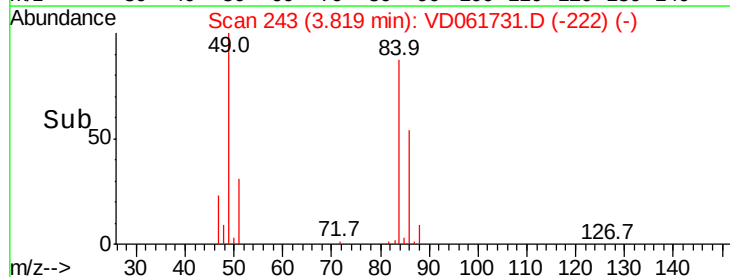
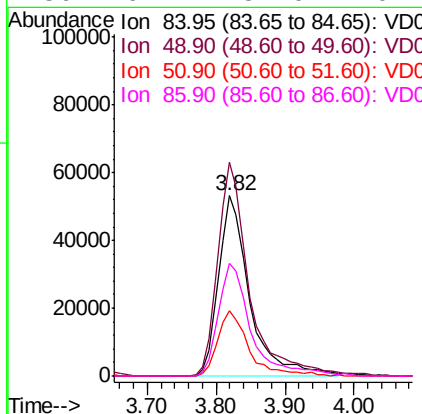
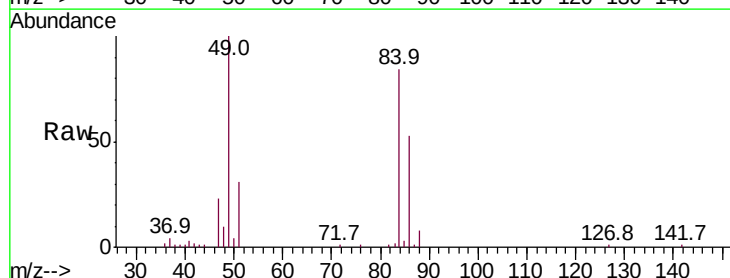
Tot Ion: 73 Resp: 244899
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.0 24.0

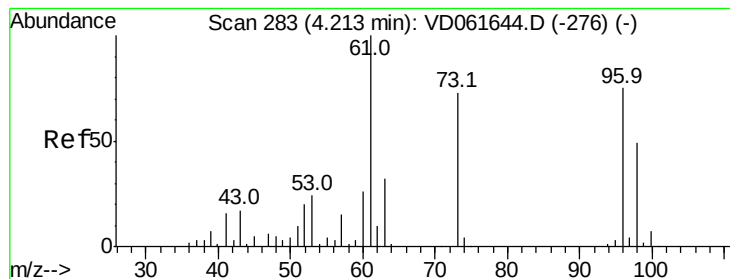


#20

Methylene Chloride
 Concen: 23.187 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 84 Resp: 166068
 Ion Ratio Lower Upper
 84 100
 49 118.6 93.0 139.4
 51 36.5 30.4 45.6
 86 62.4 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.817 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

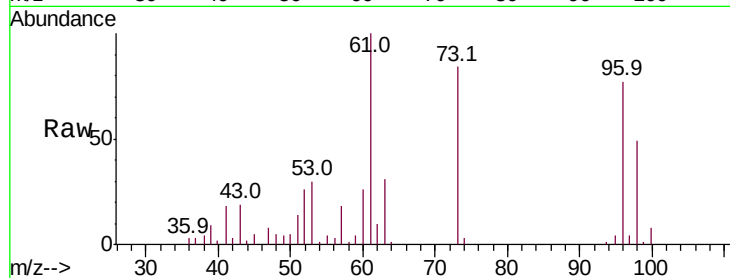
Tot Ion: 96 Resp: 131290

Ion Ratio Lower Upper

96 100

61 129.1 106.8 160.2

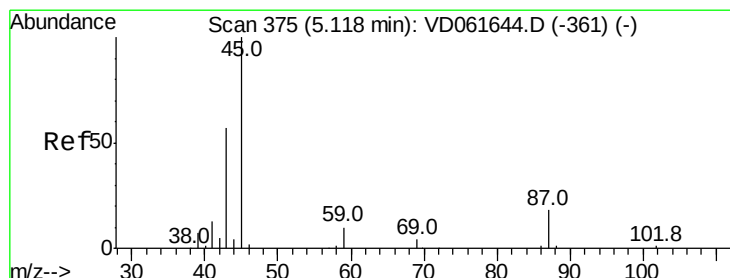
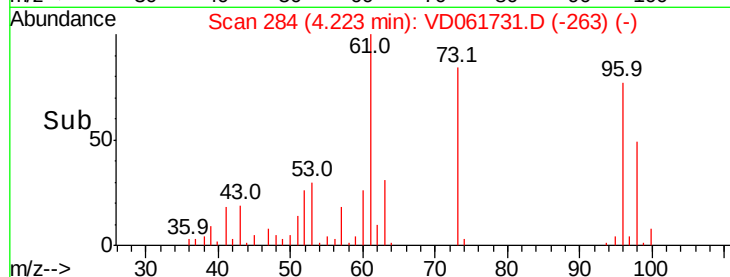
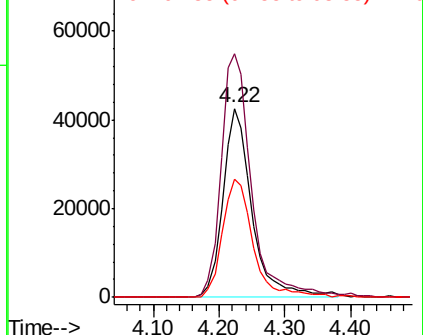
98 62.9 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.873 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Tgt Ion: 45 Resp: 379815

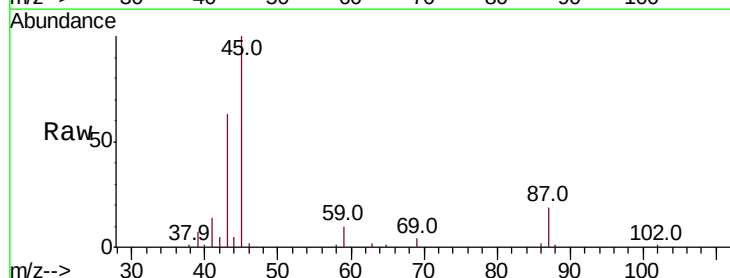
Ion Ratio Lower Upper

45 100

43 62.6 46.6 70.0

87 18.6 15.6 23.4

59 10.0 8.6 13.0

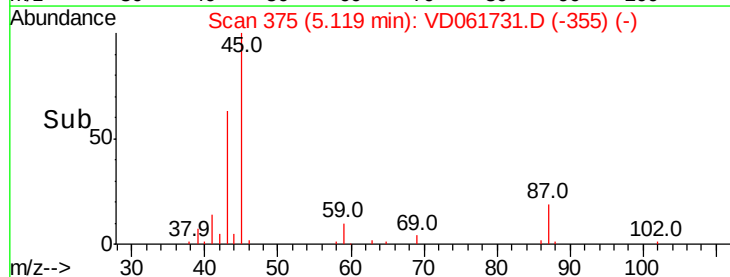
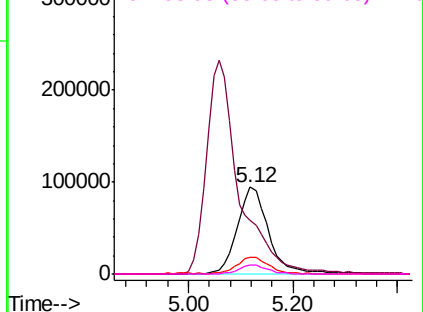


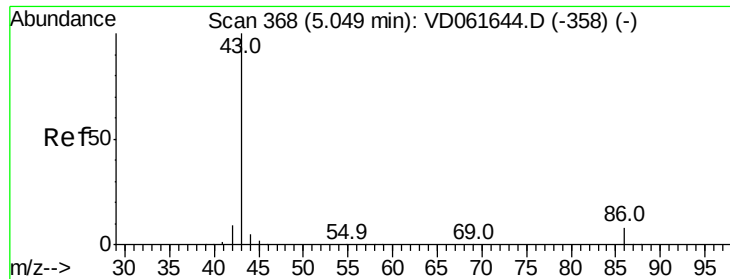
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 107.746 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

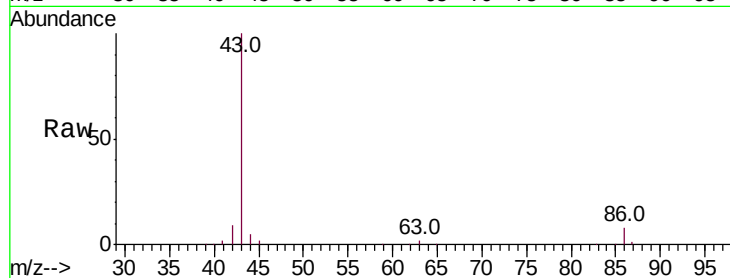
VD0410SBS02

Tot Ion: 43 Resp: 987237

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD061644.D (-358) (-)

Ion 86.00 (85.70 to 86.70): VD061644.D (-358) (-)

5.06

250000

200000

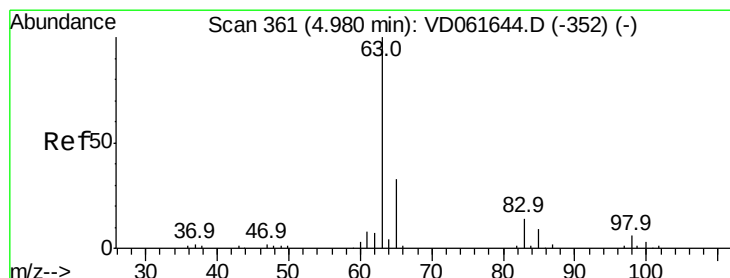
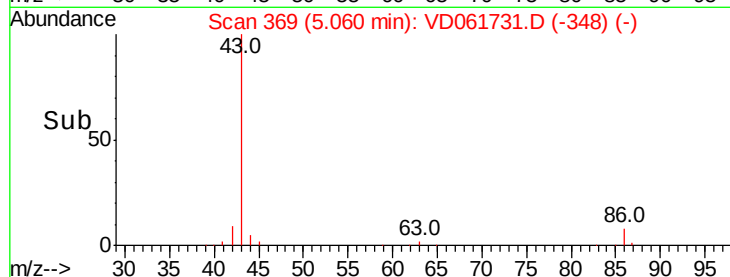
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.996 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

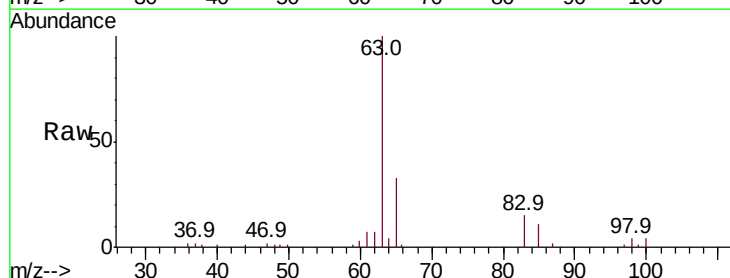
Tgt Ion: 63 Resp: 213652

Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.6

100 3.6 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VD061644.D (-352) (-)

Ion 97.95 (97.65 to 98.65): VD061644.D (-352) (-)

Ion 99.95 (99.65 to 100.65): VD061644.D (-352) (-)

4.98

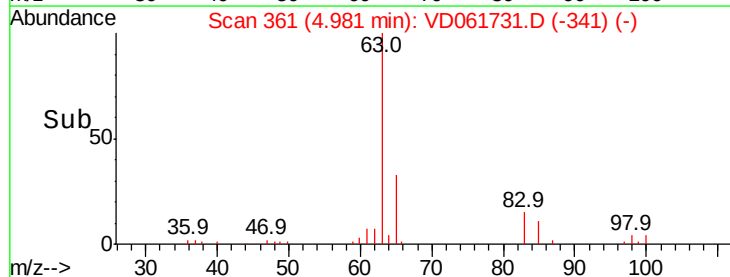
60000

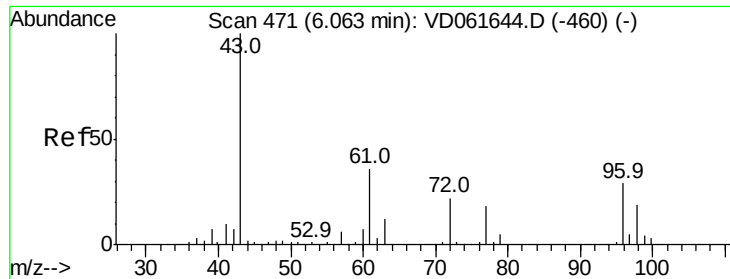
40000

20000

0

Time-->





#25

2-Butanone

Concen: 104.364 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

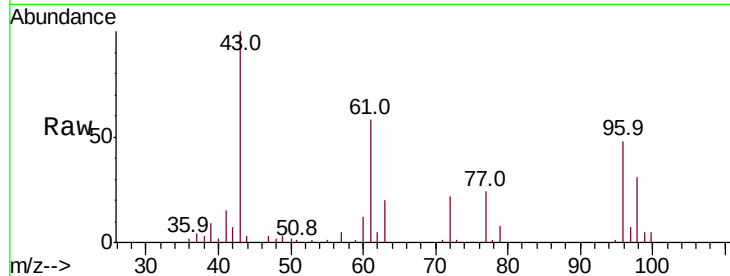
VD0410SBS02

Tot Ion: 43 Resp: 151857

Ion Ratio Lower Upper

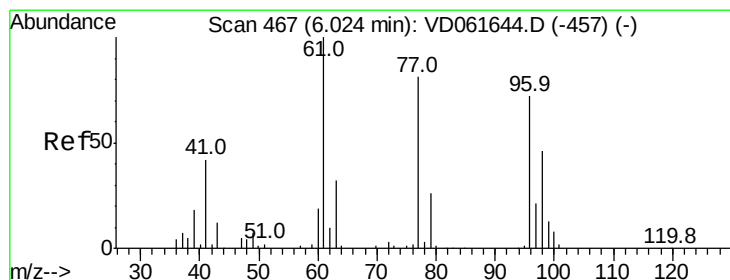
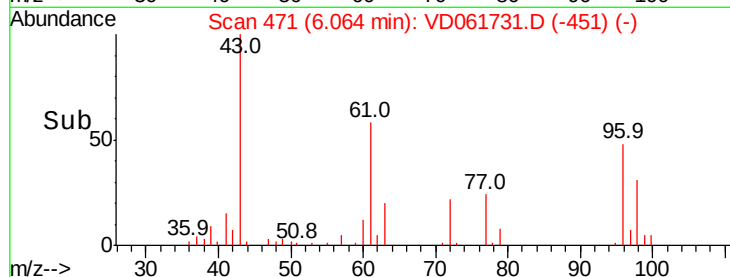
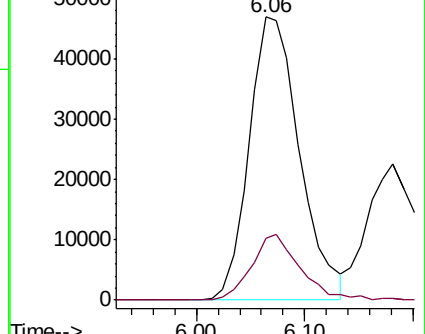
43 100

72 21.9 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.122 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061731.D

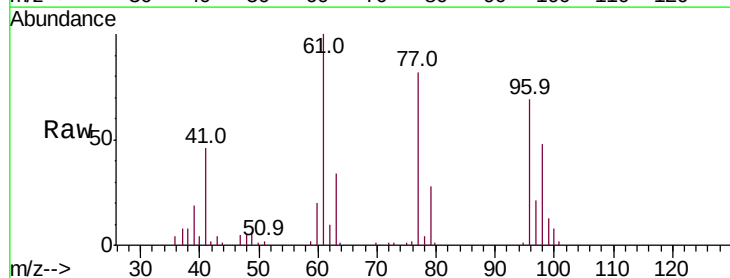
Acq: 11 Apr 2019 10:01

Tgt Ion: 77 Resp: 150156

Ion Ratio Lower Upper

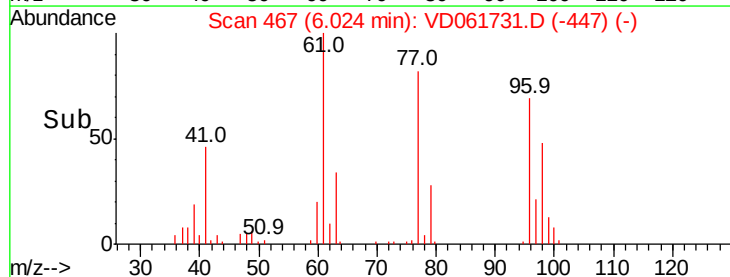
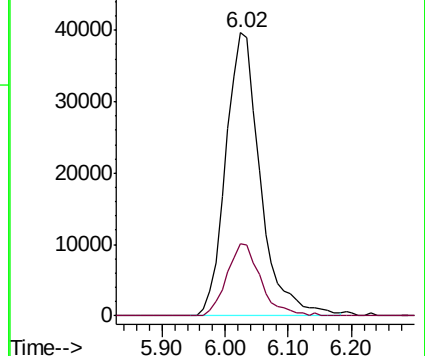
77 100

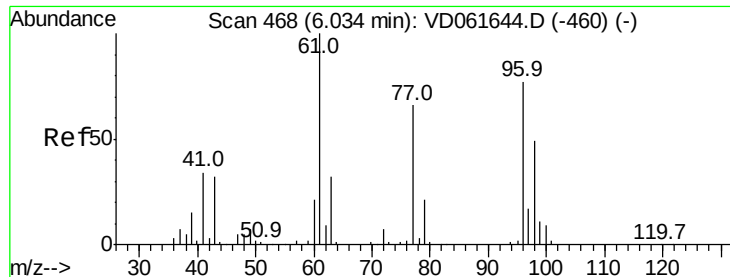
97 25.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



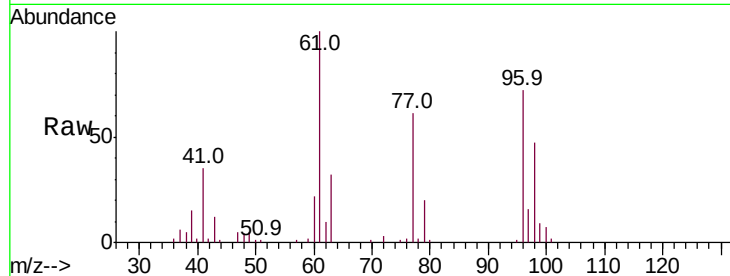


#27

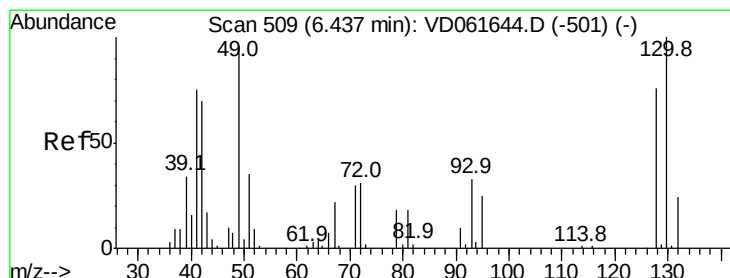
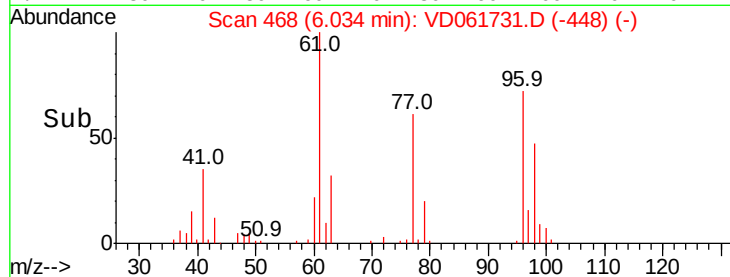
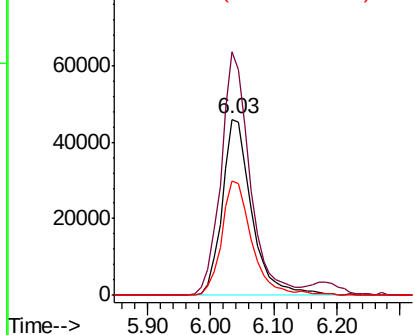
cis-1,2-Dichloroethene
 Concen: 22.218 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	259.8
98	65.2	0.0	127.6



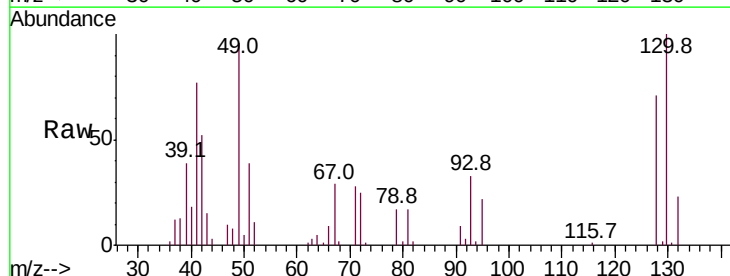
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



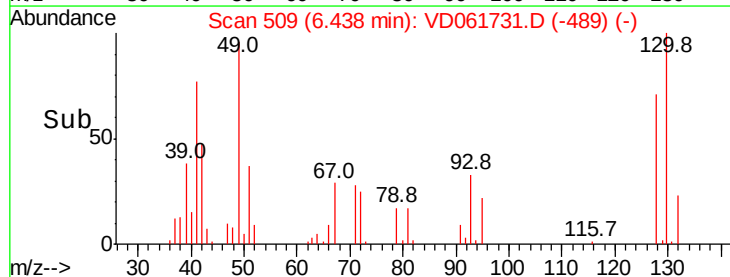
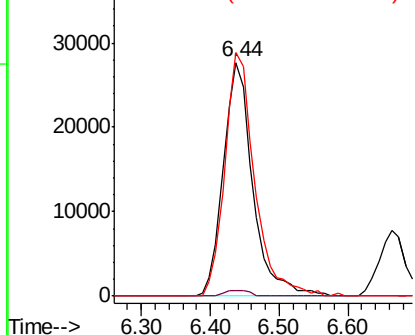
#28

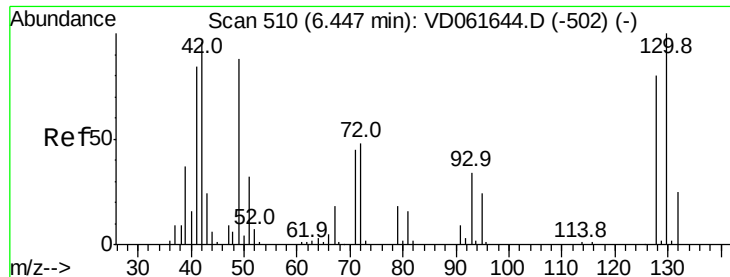
Bromochloromethane
 Concen: 21.823 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	104.1	83.3	124.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 113.076 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

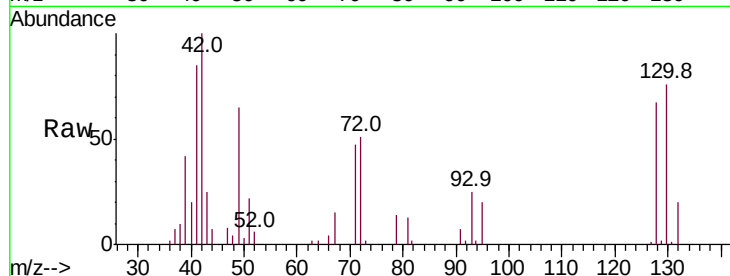
Tot Ion: 42 Resp: 79426

Ion Ratio Lower Upper

42 100

72 48.6 37.0 55.6

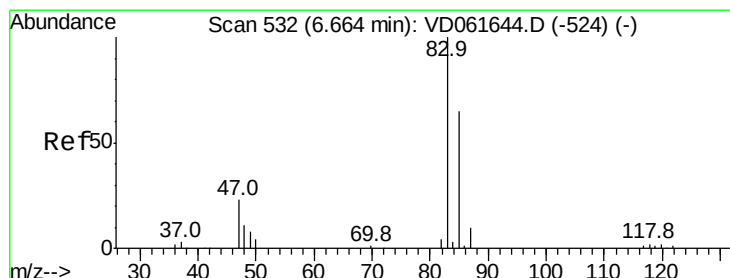
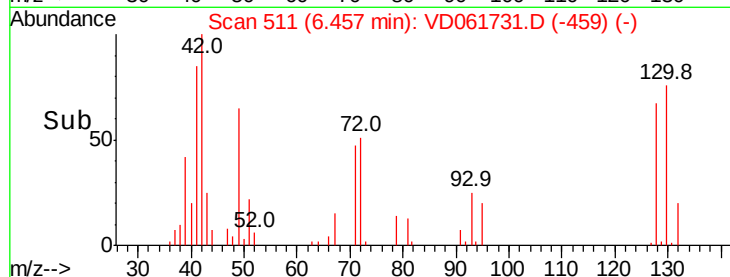
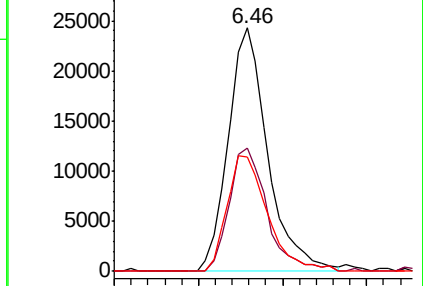
71 48.6 36.5 54.7



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 23.513 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD061731.D

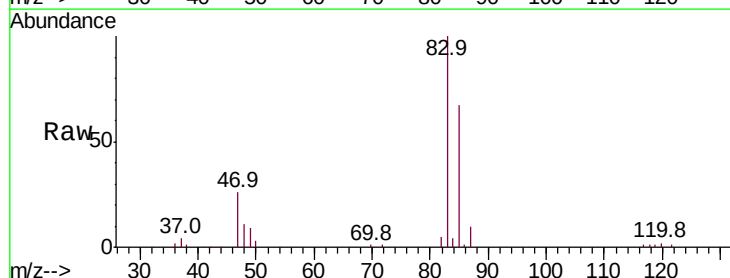
Acq: 11 Apr 2019 10:01

Tgt Ion: 83 Resp: 250653

Ion Ratio Lower Upper

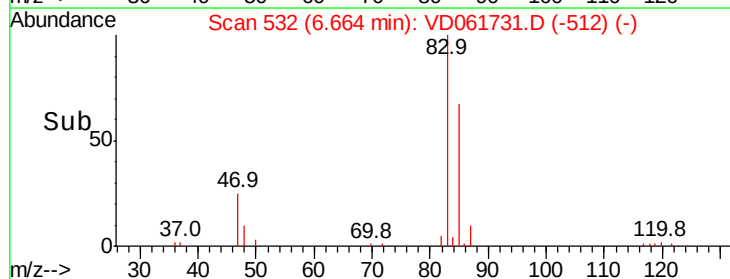
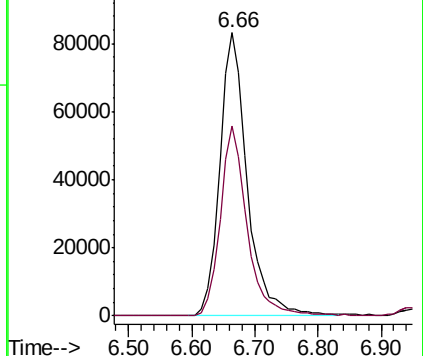
83 100

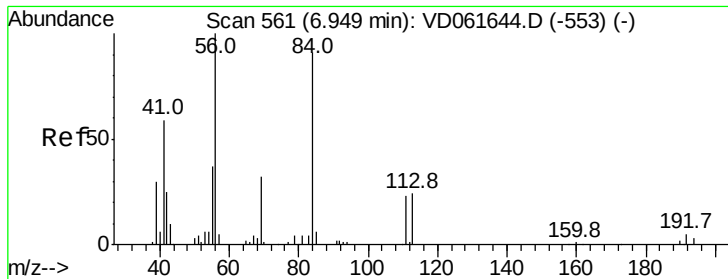
85 66.9 51.9 77.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.113 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

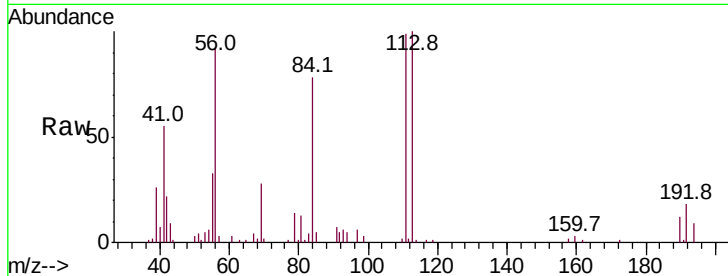
Tot Ion: 56 Resp: 143990

Ion Ratio Lower Upper

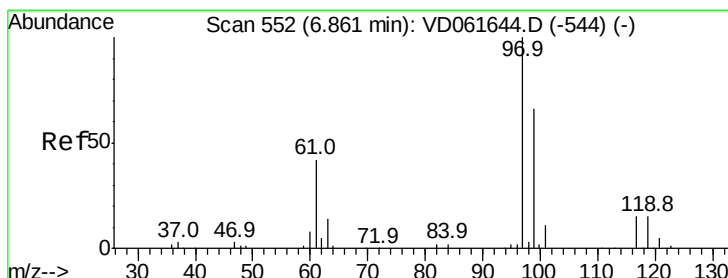
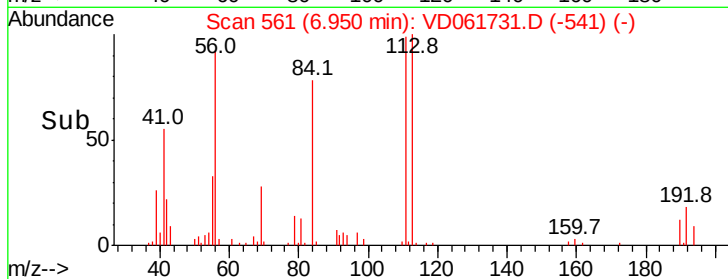
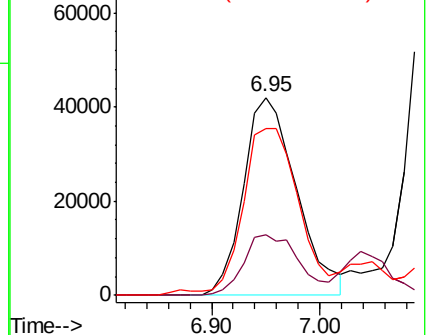
56 100

69 30.7 25.8 38.6

84 84.7 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 21.593 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

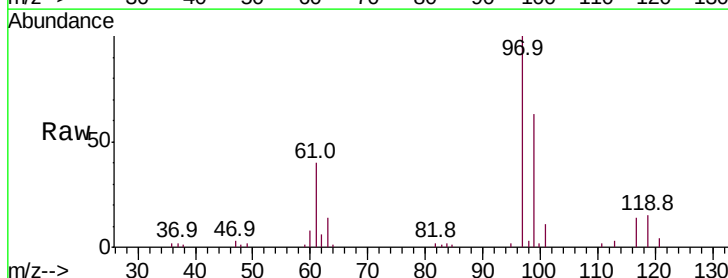
Tgt Ion: 97 Resp: 201712

Ion Ratio Lower Upper

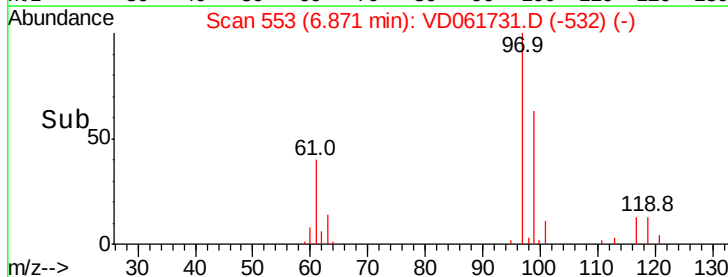
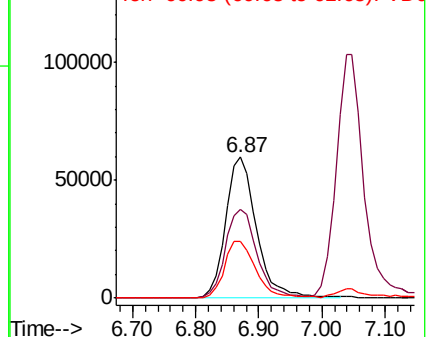
97 100

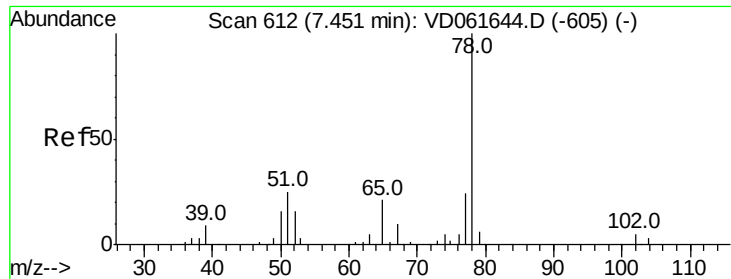
99 62.6 52.5 78.7

61 40.4 33.4 50.0



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

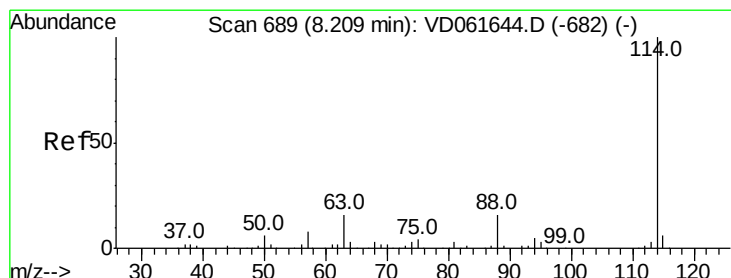
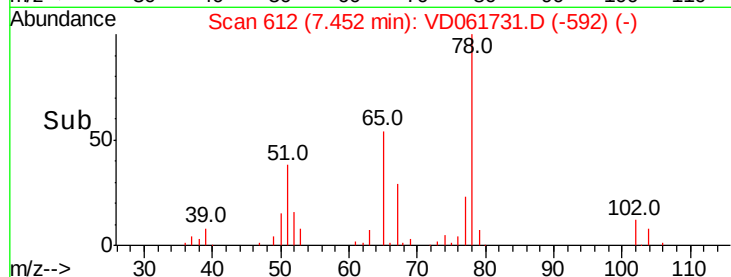
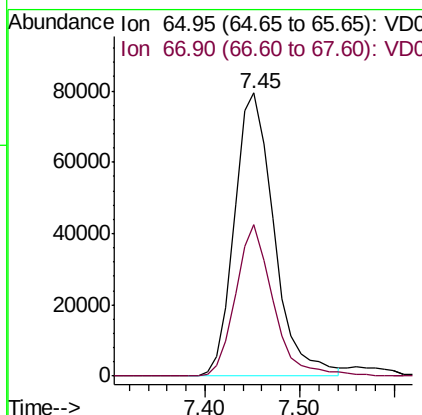
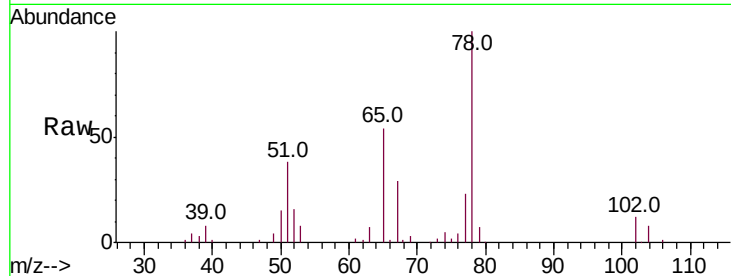




#33
 1,2-Dichloroethane-d4
 Concen: 21.593 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

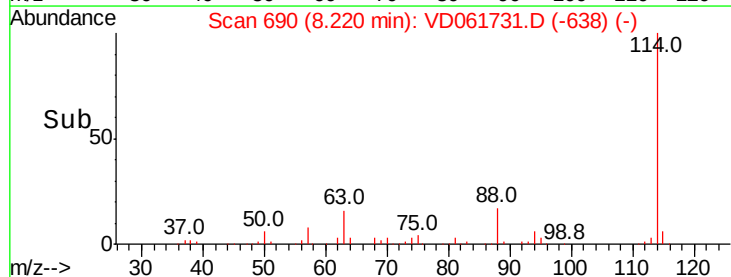
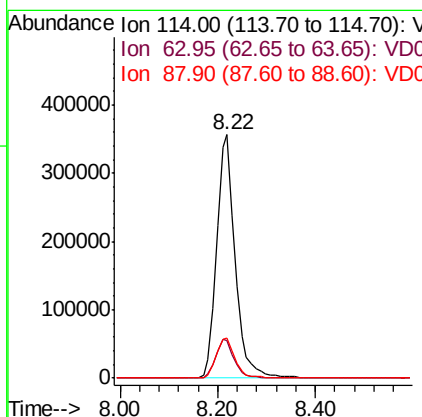
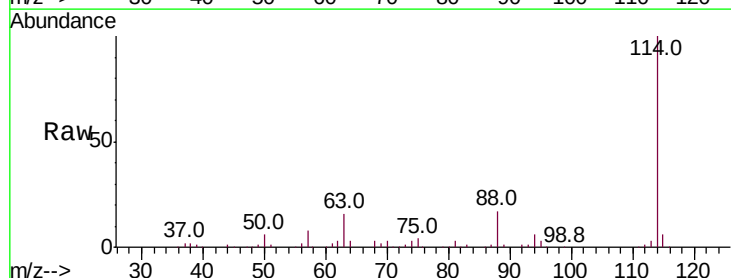
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD02

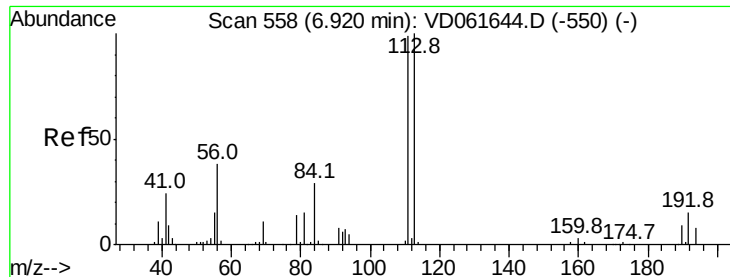
Tot Ion: 65 Resp: 230482
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 114 Resp: 941016
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.2
 88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBSD02

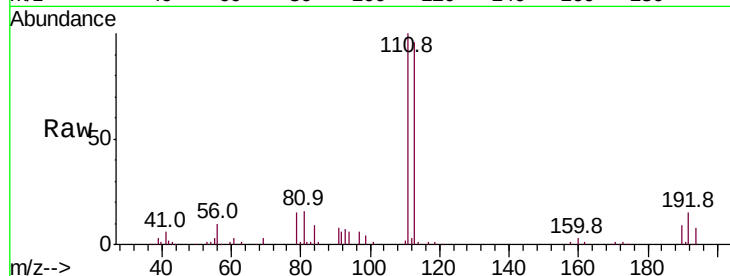
Tot Ion:113 Resp: 342558

Ion Ratio Lower Upper

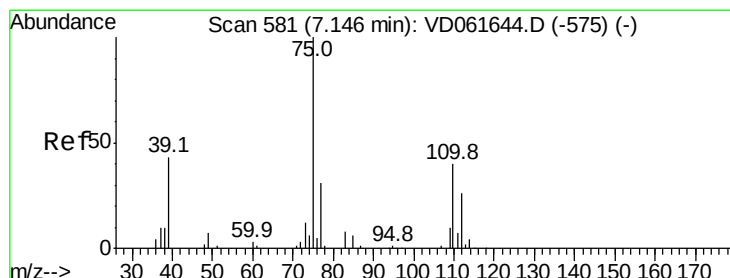
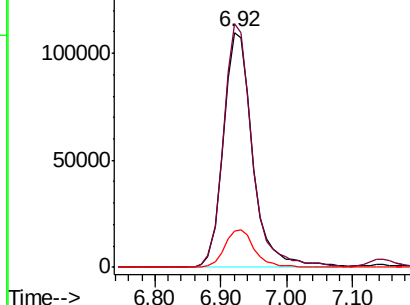
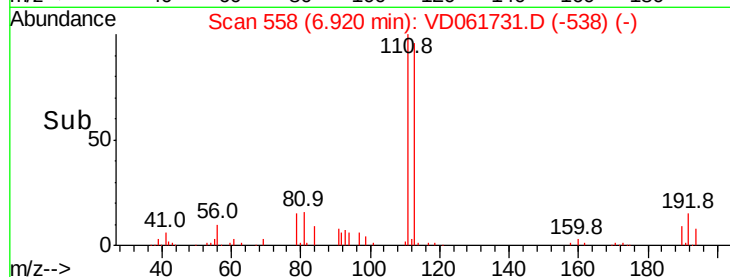
113 100

111 103.7 79.3 118.9

192 15.5 12.3 18.5



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: 19.901 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

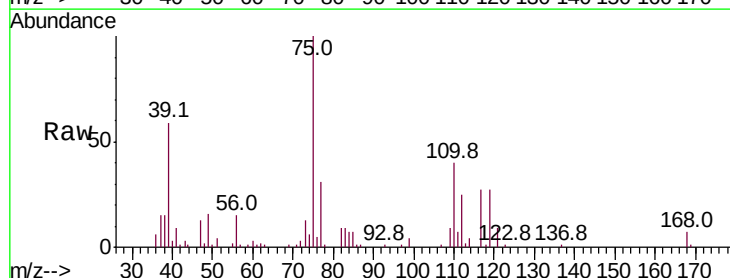
Tgt Ion: 75 Resp: 163896

Ion Ratio Lower Upper

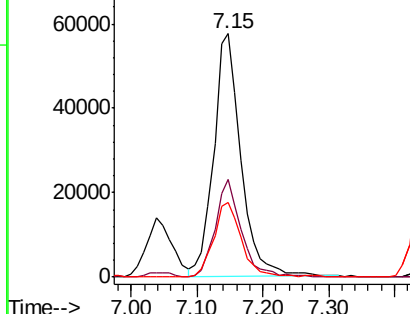
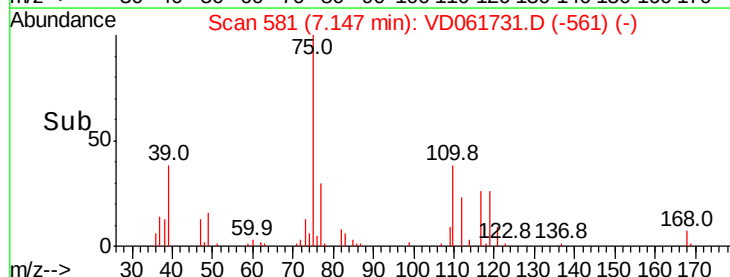
75 100

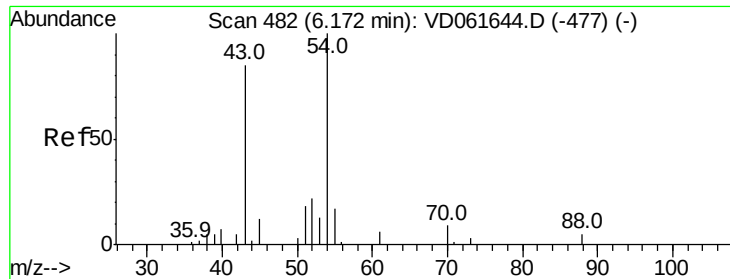
110 39.9 19.7 59.0

77 30.7 24.8 37.2



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

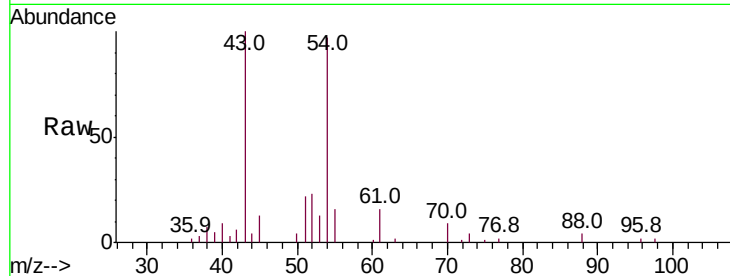




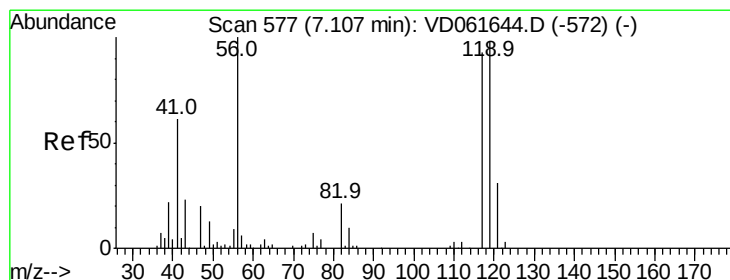
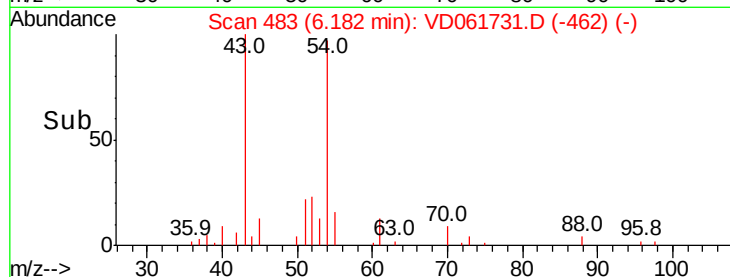
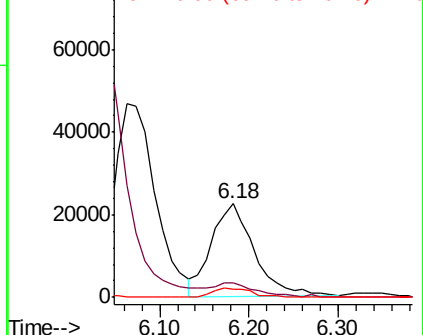
#37
Ethyl Acetate
Concen: 22.175 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD02

Tot Ion: 43 Resp: 74386
Ion Ratio Lower Upper
43 100
61 15.9 11.9 17.9
70 9.3 6.9 10.3

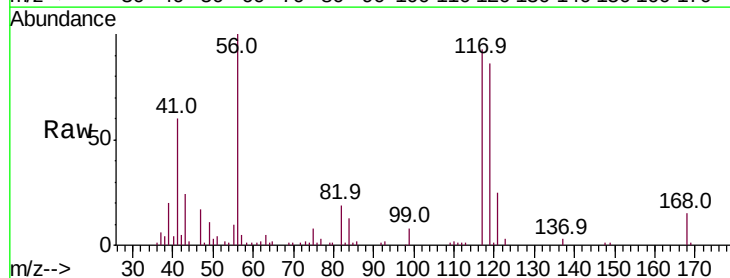


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

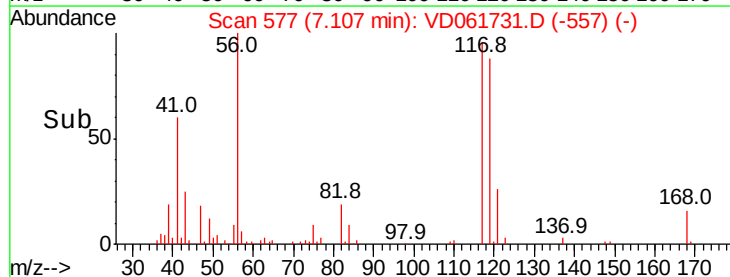
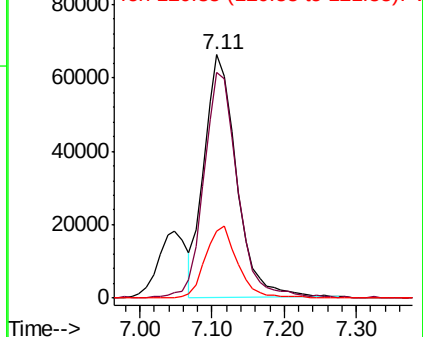


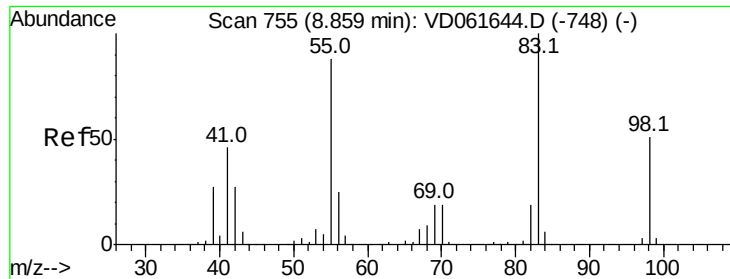
#38
Carbon Tetrachloride
Concen: 21.114 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion: 117 Resp: 203792
Ion Ratio Lower Upper
117 100
119 92.6 77.9 116.9
121 27.4 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

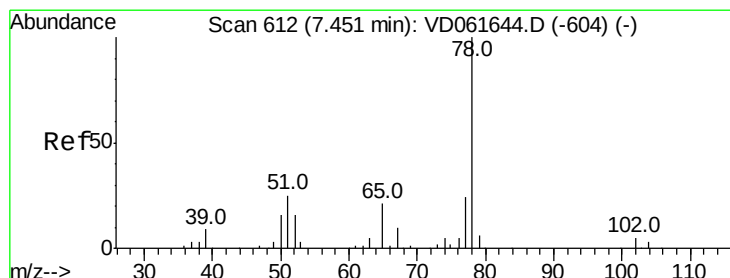
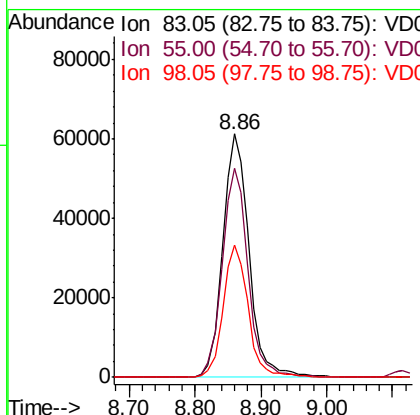
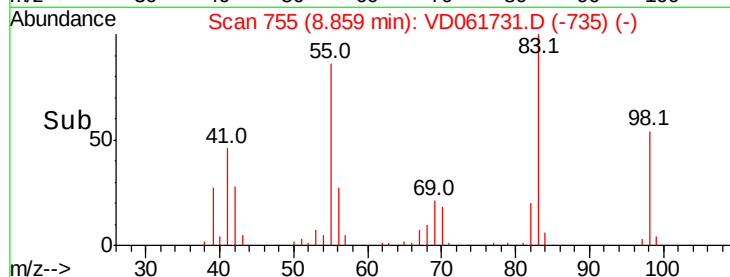
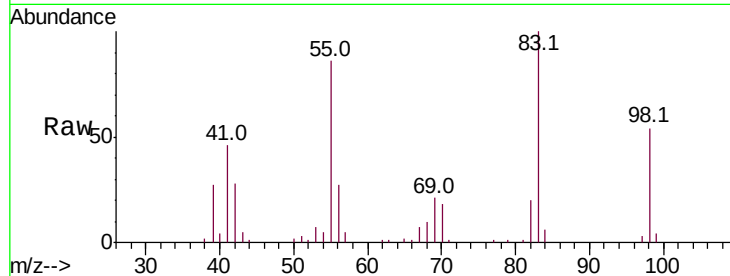




#39
Methylvlcyclohexane
Concen: 20.153 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

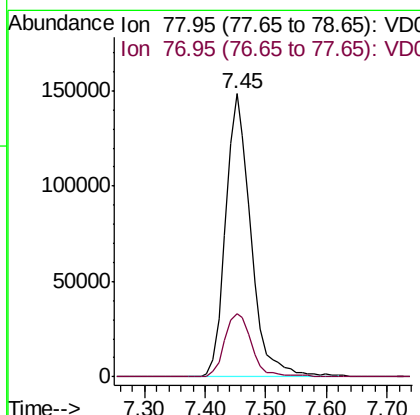
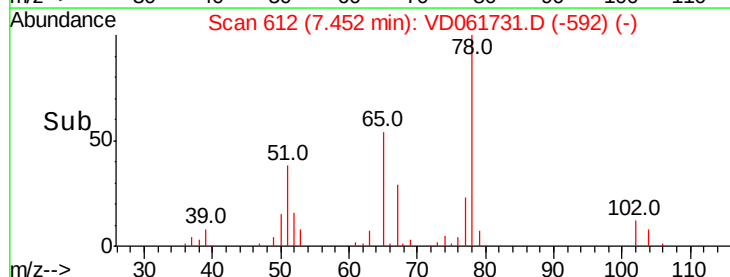
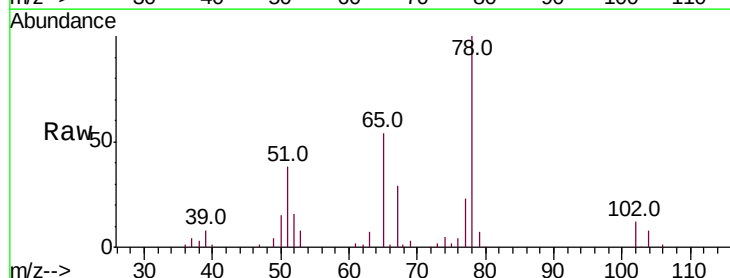
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS02

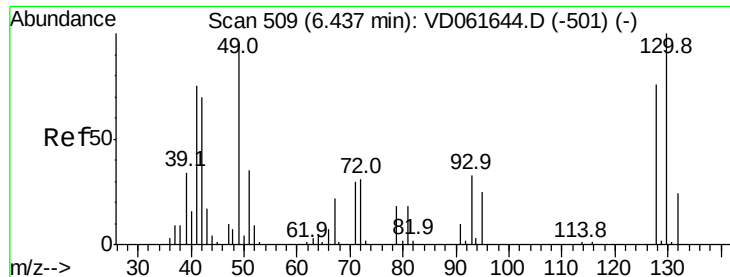
Tot Ion: 83 Resp: 170400
Ion Ratio Lower Upper
83 100
55 86.0 70.3 105.5
98 54.2 41.0 61.6



#40
Benzene
Concen: 21.603 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion: 78 Resp: 429223
Ion Ratio Lower Upper
78 100
77 22.5 19.5 29.3





#41

Methacrylonitrile

Concen: 23.613 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

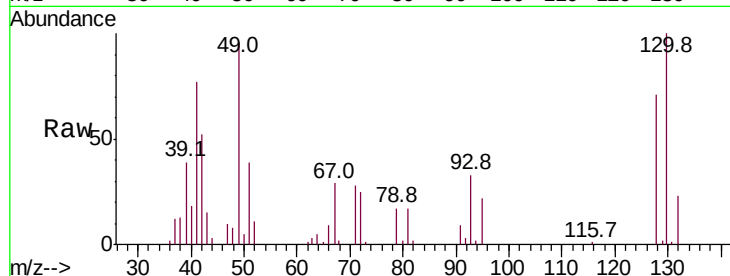
ClientSampleId :

VD0410SBS02

Tot Ion: 41 Resp: 92466

Ion Ratio Lower Upper

41	100		
39	51.0	36.2	54.2
67	37.9	23.2	34.8
52	14.4	10.0	15.0

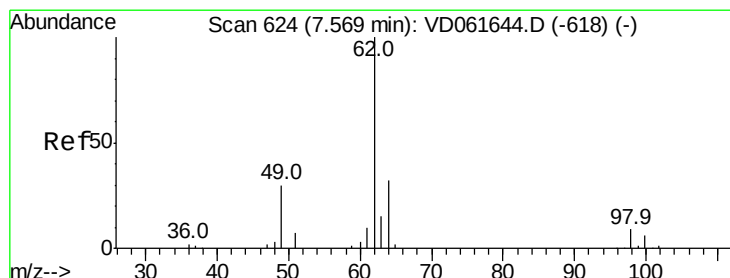
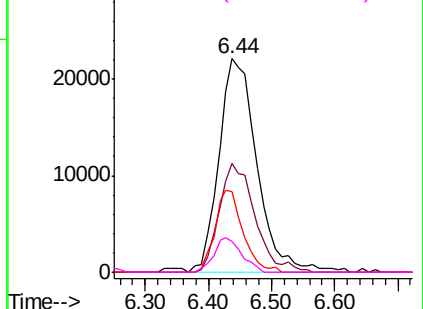
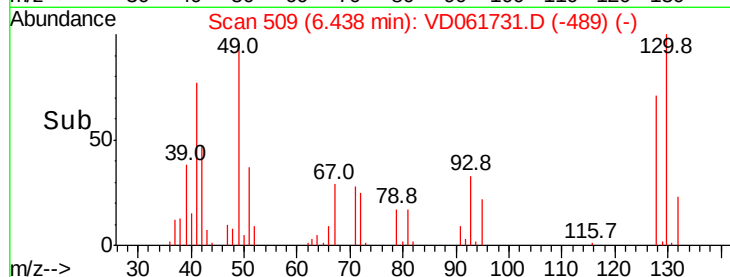


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.461 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

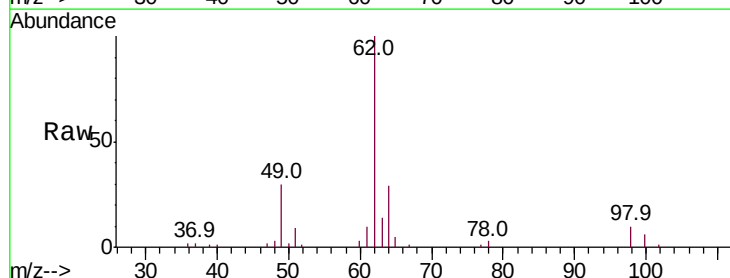
Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Tgt Ion: 62 Resp: 152843

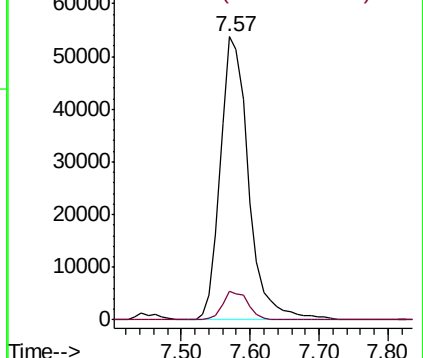
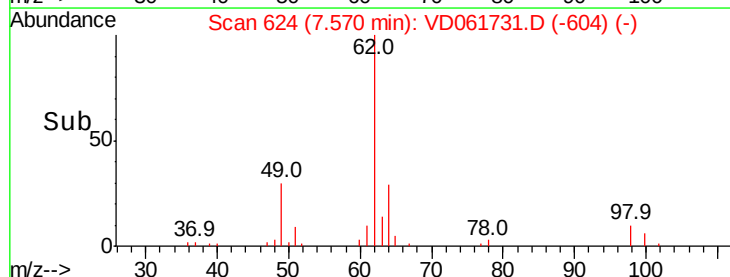
Ion Ratio Lower Upper

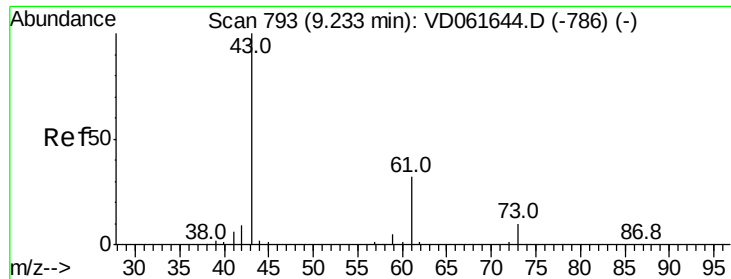
62	100		
98	10.1	0.0	17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.249 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

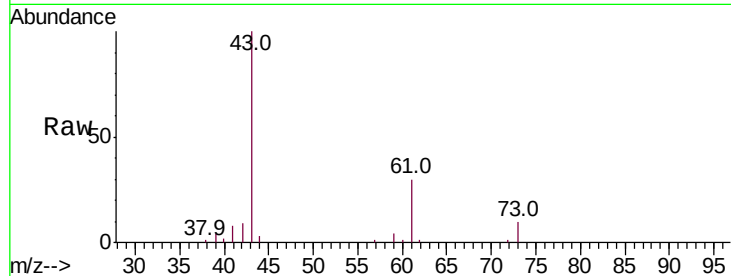
Tot Ion: 43 Resp: 113185

Ion Ratio Lower Upper

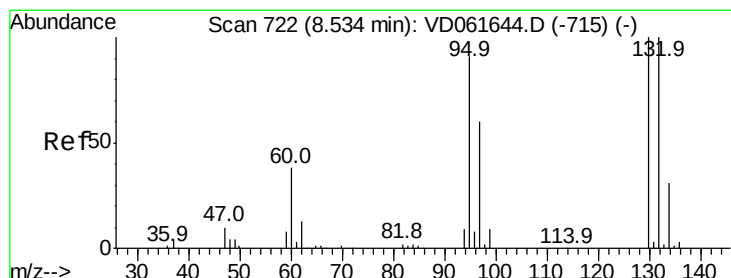
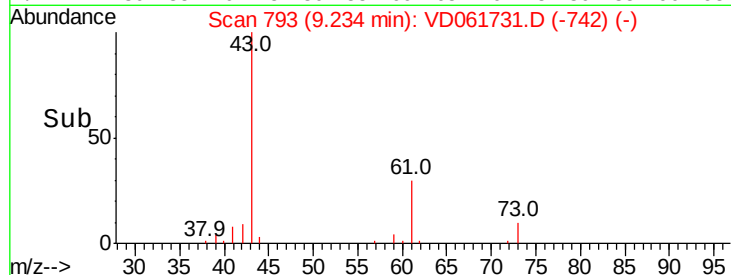
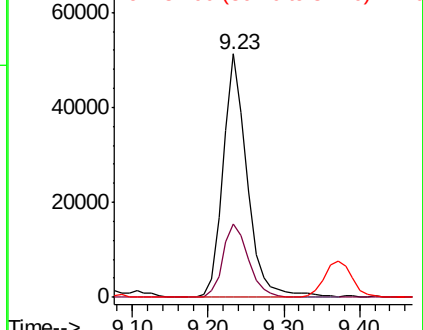
43 100

61 30.3 25.9 38.9

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 21.228 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD061731.D

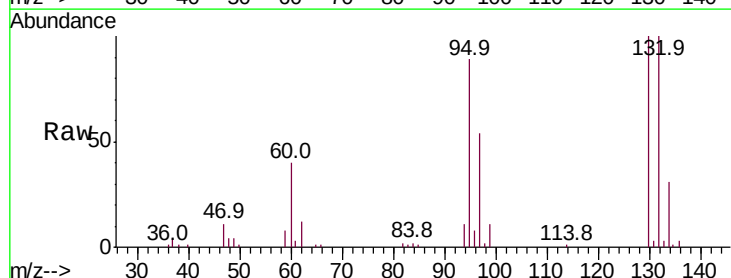
Acq: 11 Apr 2019 10:01

Tgt Ion:130 Resp: 161691

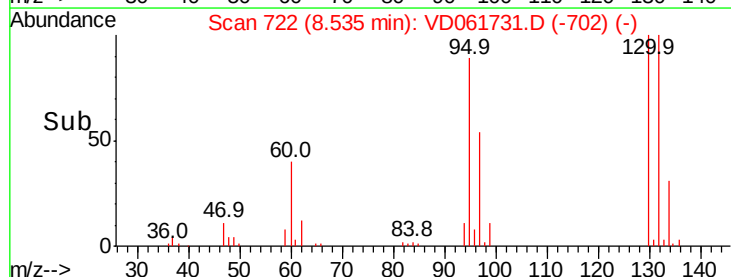
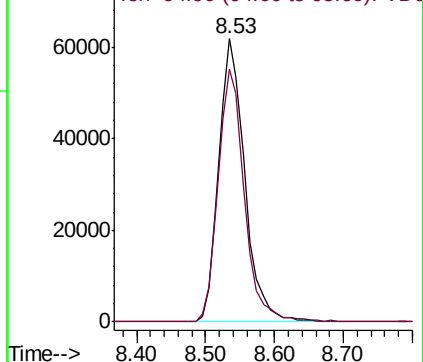
Ion Ratio Lower Upper

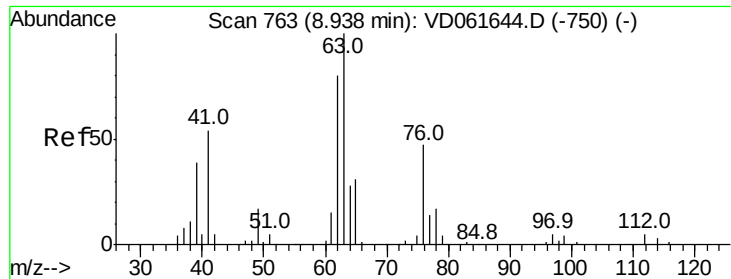
130 100

95 89.1 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 21.973 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

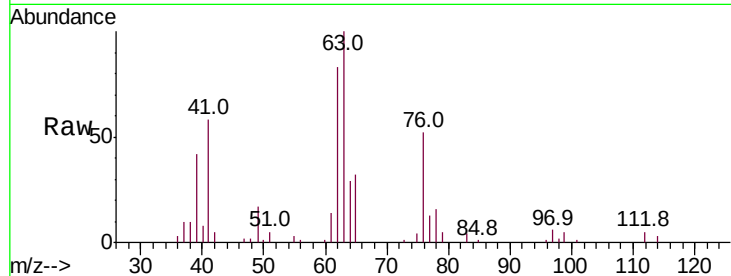
VD0410SBSD02

Tot Ion: 63 Resp: 108265

Ion Ratio Lower Upper

63 100

65 31.8 24.5 36.7

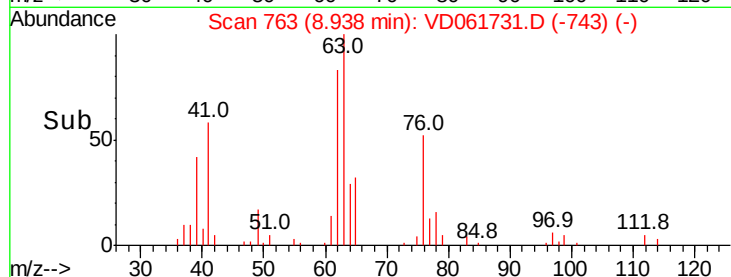


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

Time-->



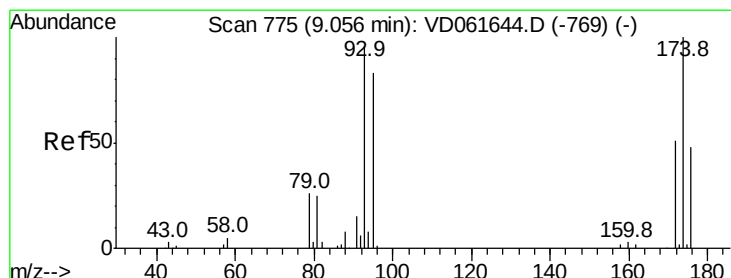
Abundance

Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

Time-->



#46

Dibromomethane

Concen: 23.321 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

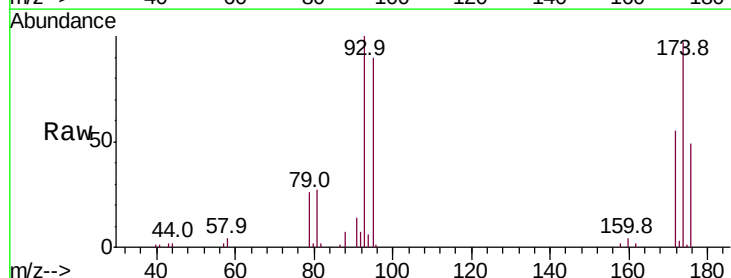
Tgt Ion: 93 Resp: 82123

Ion Ratio Lower Upper

93 100

95 90.3 68.6 103.0

174 97.3 83.0 124.4



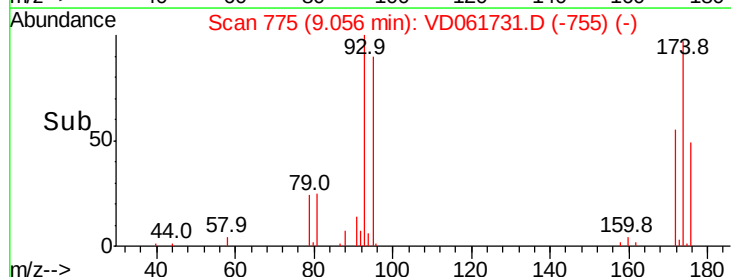
Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

9.06

Time-->



Abundance

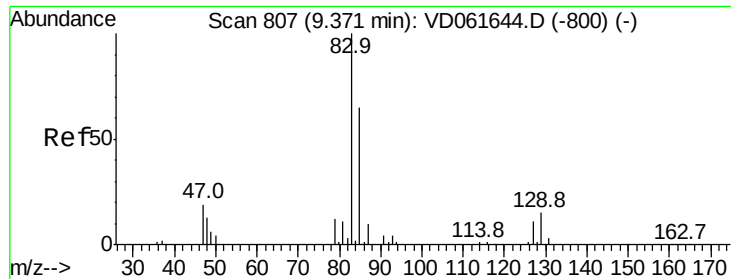
Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

9.06

Time-->



#47

Bromodichloromethane

Concen: 24.184 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

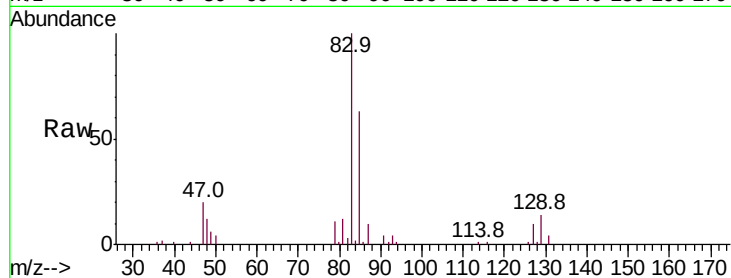
Tot Ion: 83 Resp: 187042

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6

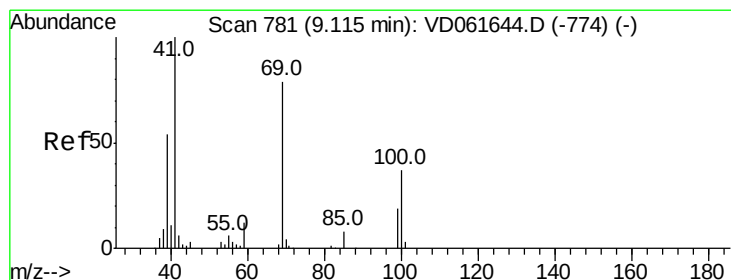
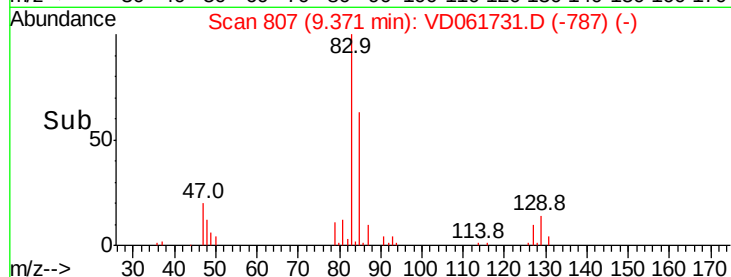
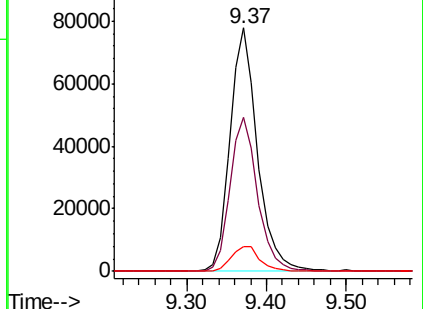
127 10.2 9.0 13.6



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: 21.147 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

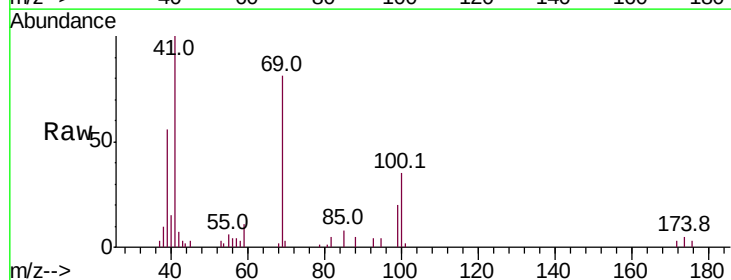
Tgt Ion: 41 Resp: 59343

Ion Ratio Lower Upper

41 100

69 81.0 63.1 94.7

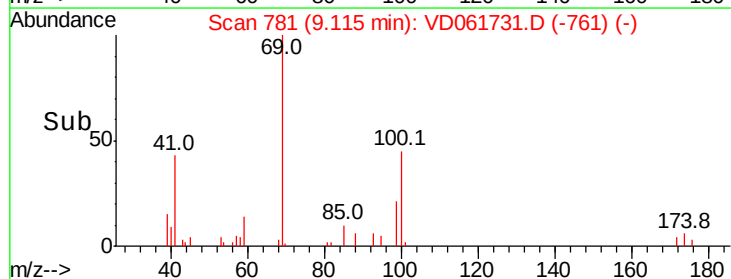
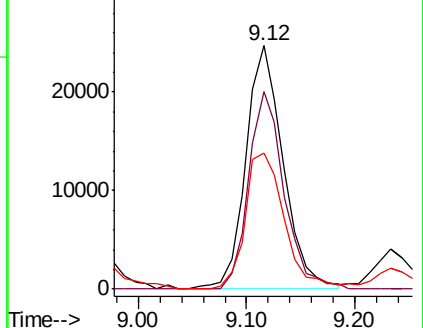
39 56.1 43.8 65.8

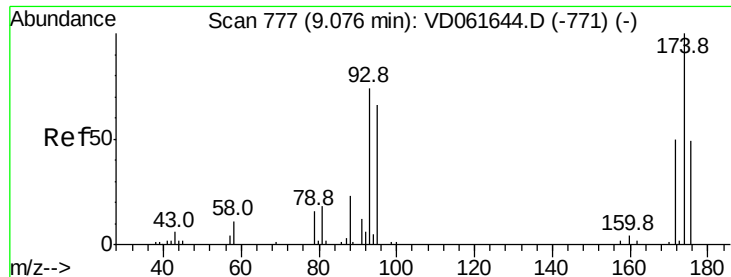


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

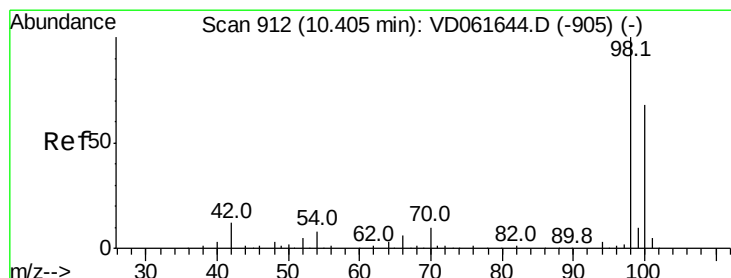
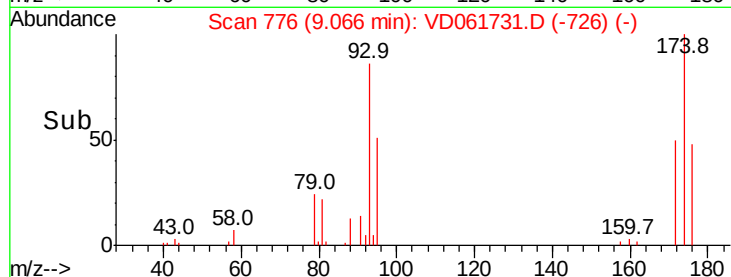
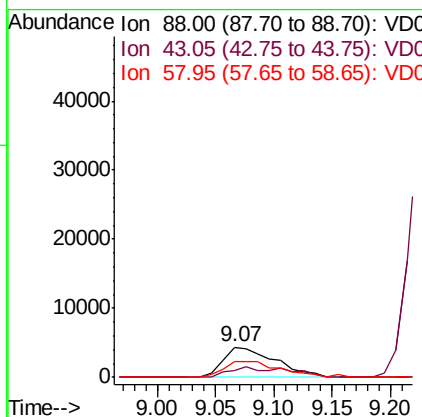
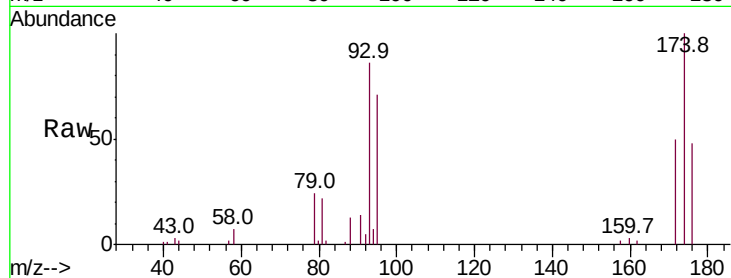




#49
1,4-Dioxane
Concen: 432.342 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

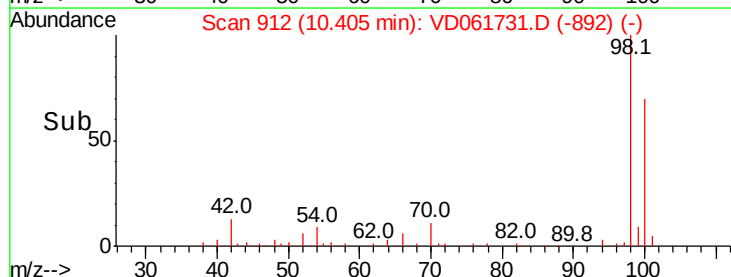
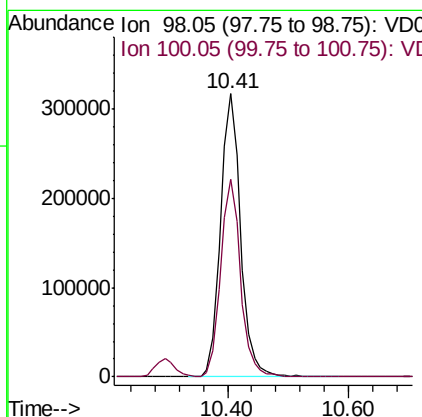
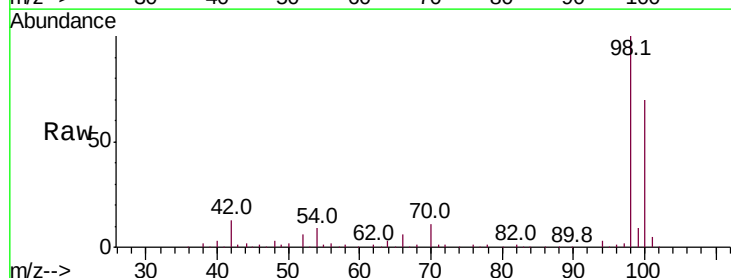
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD02

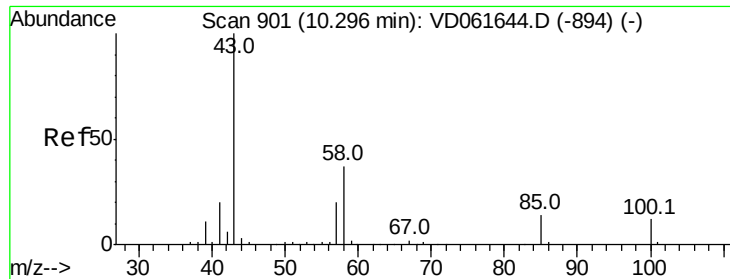
Tot Ion: 88 Resp: 13392
Ion Ratio Lower Upper
88 100
43 21.4 21.8 32.8#
58 52.2 40.2 60.2



#50
Toluene-d8
Concen: 432.342 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion: 98 Resp: 730655
Ion Ratio Lower Upper
98 100
100 69.7 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 123.038 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

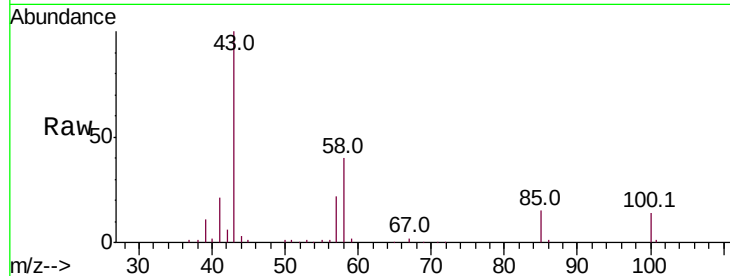
VD0410SBSD02

Tot Ion: 43 Resp: 354239

Ion Ratio Lower Upper

43 100

58 40.0 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

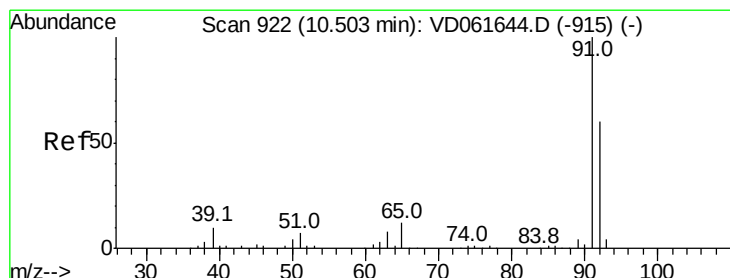
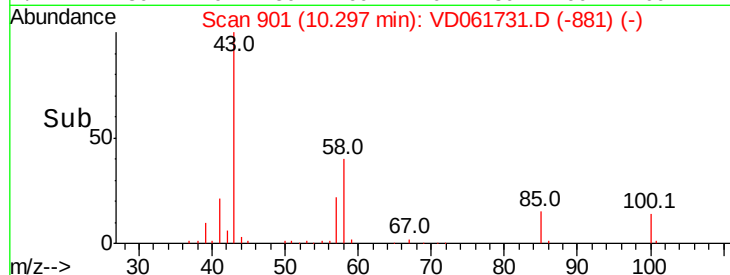
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.889 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061731.D

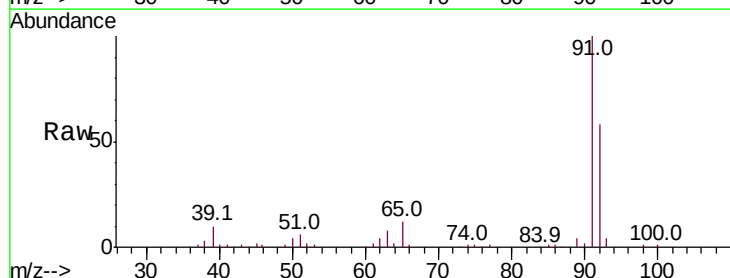
Acq: 11 Apr 2019 10:01

Tgt Ion: 92 Resp: 271572

Ion Ratio Lower Upper

92 100

91 172.9 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

200000

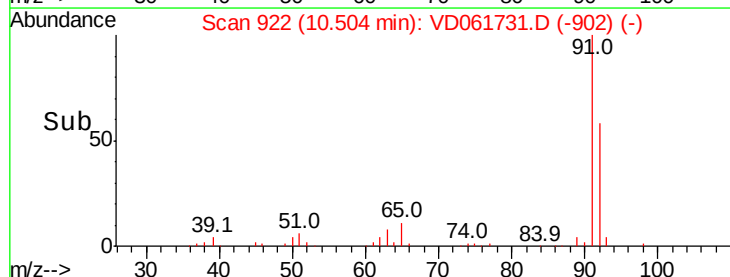
150000

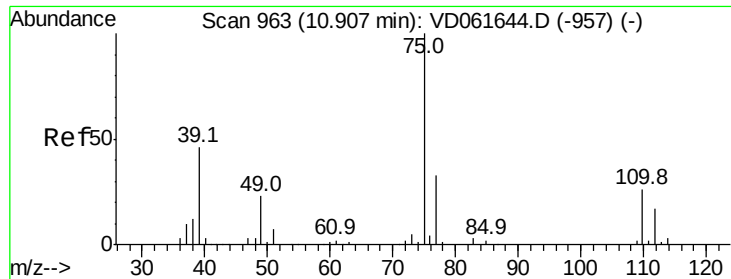
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.473 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

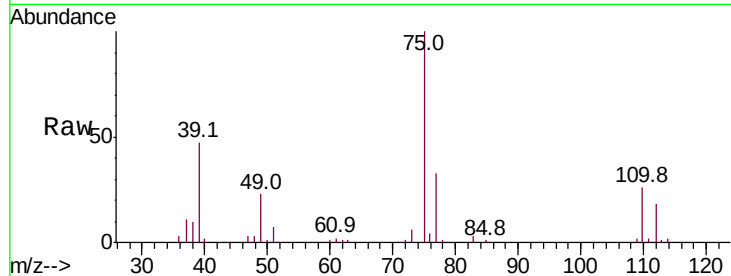
VD0410SBS02

Tot Ion: 75 Resp: 159137

Ion Ratio Lower Upper

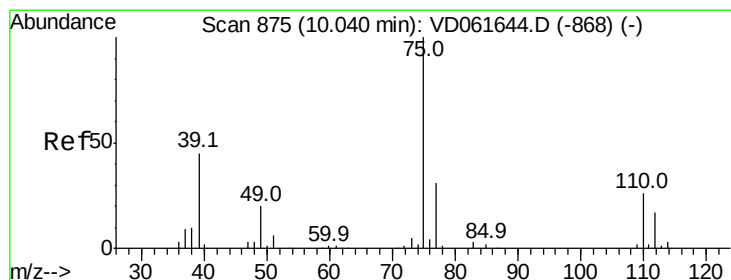
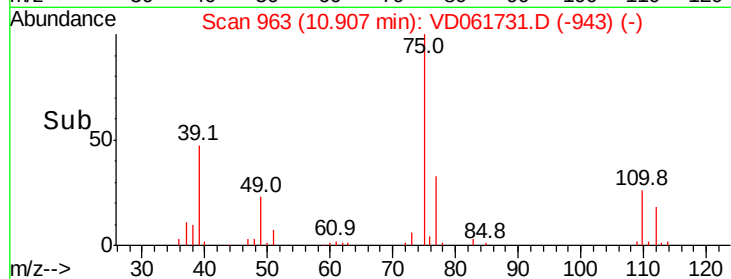
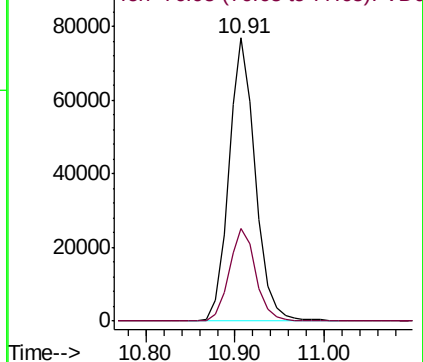
75 100

77 32.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.163 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

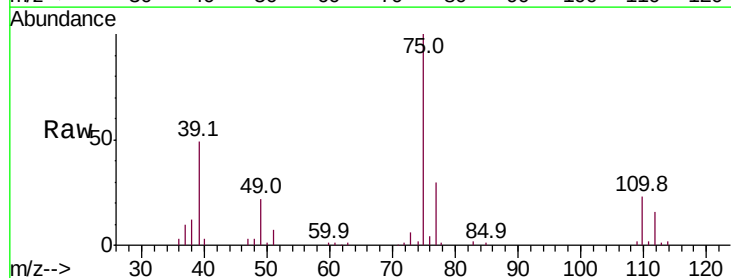
Tgt Ion: 75 Resp: 193584

Ion Ratio Lower Upper

75 100

77 29.6 24.6 37.0

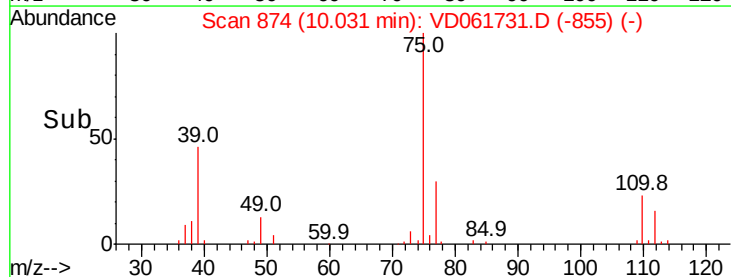
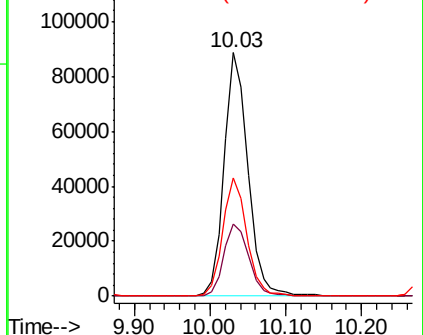
39 48.5 36.2 54.2

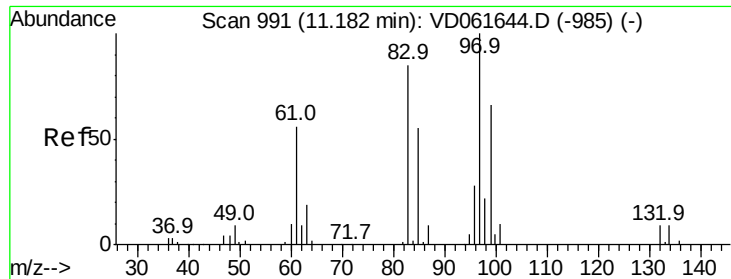


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

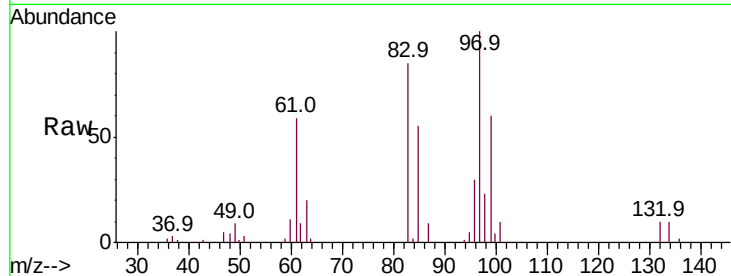




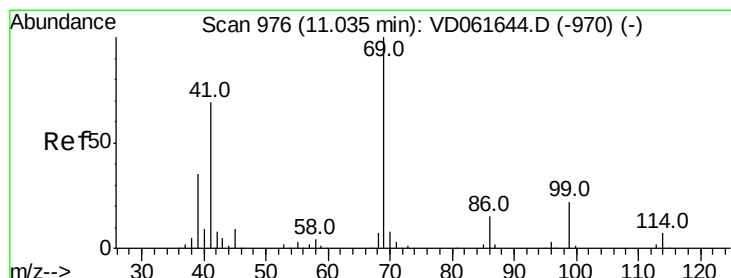
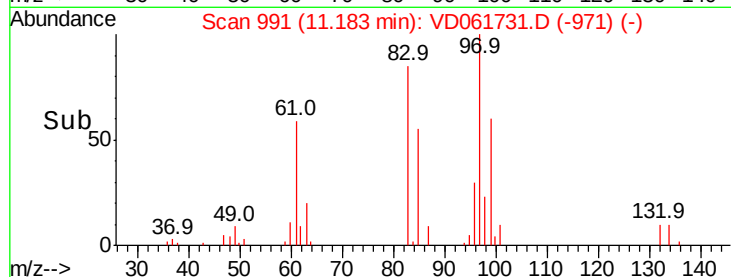
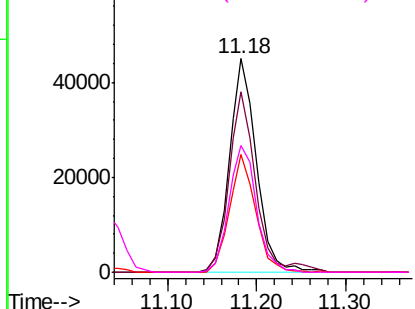
#55
 1,1,2-Trichloroethane
 Concen: 22.817 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Tot Ion: 97 Resp: 95476
 Ion Ratio Lower Upper
 97 100
 83 84.5 67.8 101.6
 85 55.0 43.8 65.8
 99 59.5 52.8 79.2

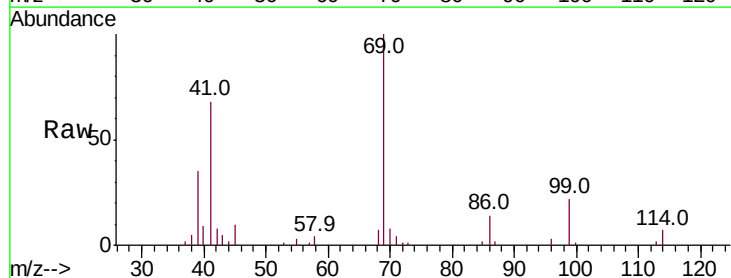


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

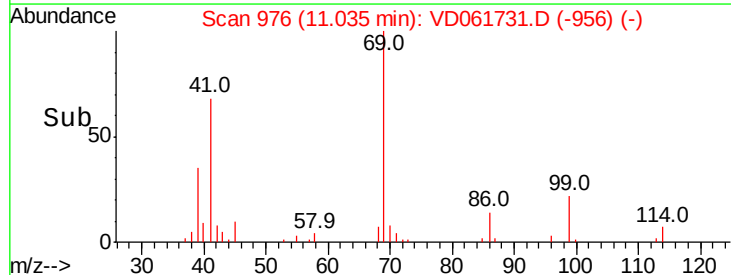
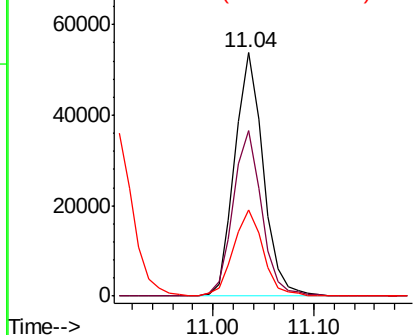


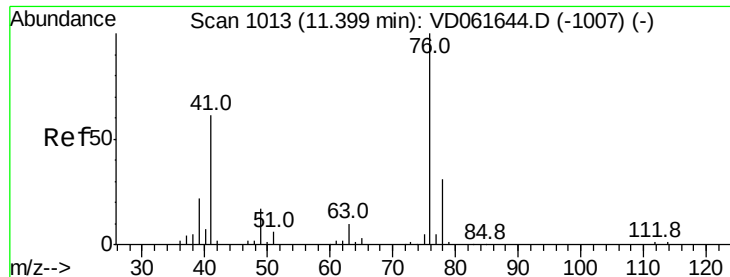
#56
 Ethyl methacrylate
 Concen: 24.050 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 69 Resp: 106163
 Ion Ratio Lower Upper
 69 100
 41 67.8 55.2 82.8
 39 35.2 28.6 43.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.825 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

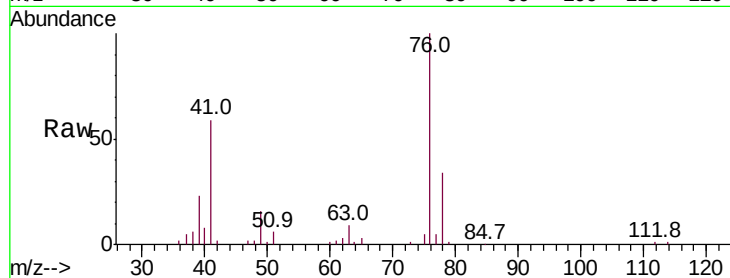
VD0410SBS02

Tot Ion: 76 Resp: 145997

Ion Ratio Lower Upper

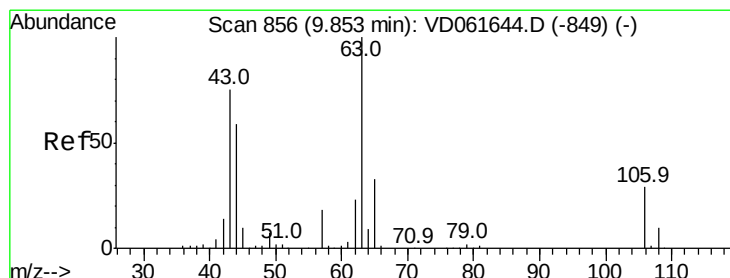
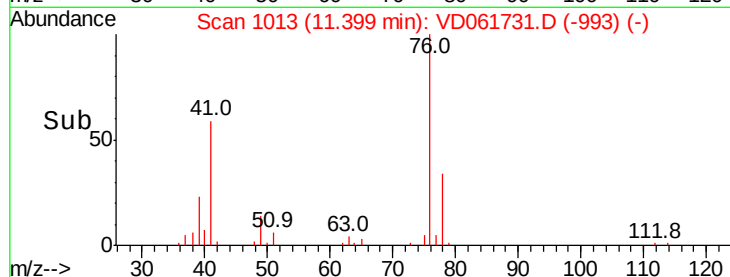
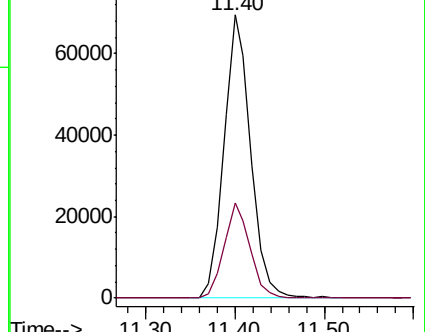
76 100

78 33.8 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 118.701 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD061731.D

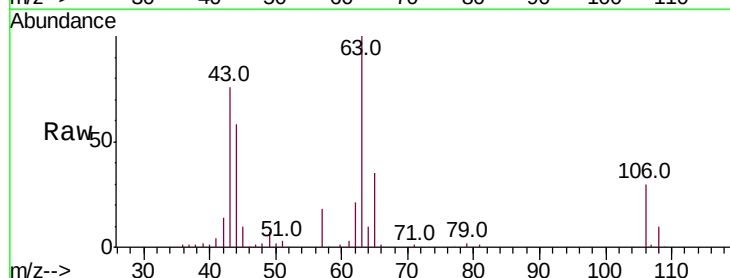
Acq: 11 Apr 2019 10:01

Tgt Ion: 63 Resp: 247234

Ion Ratio Lower Upper

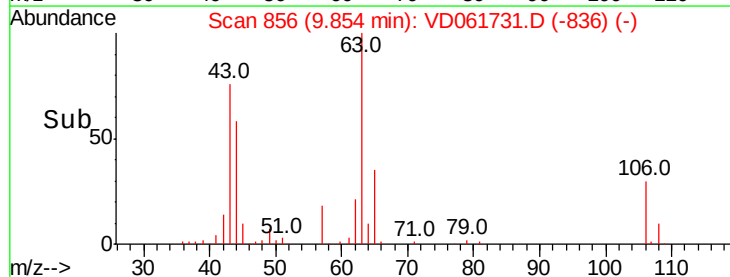
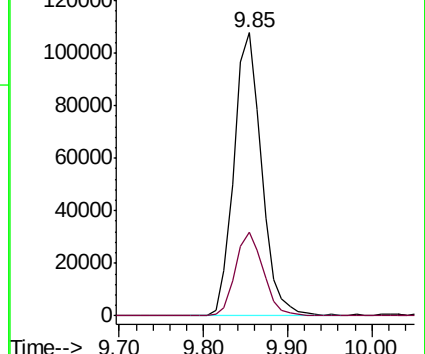
63 100

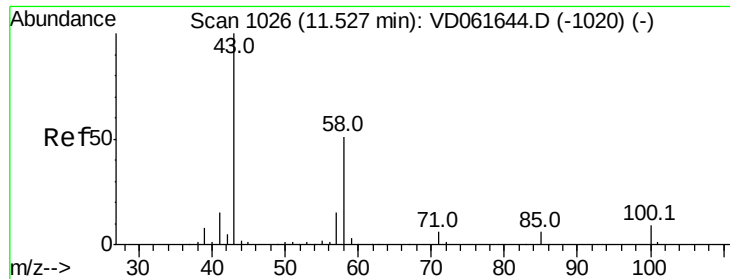
106 29.7 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

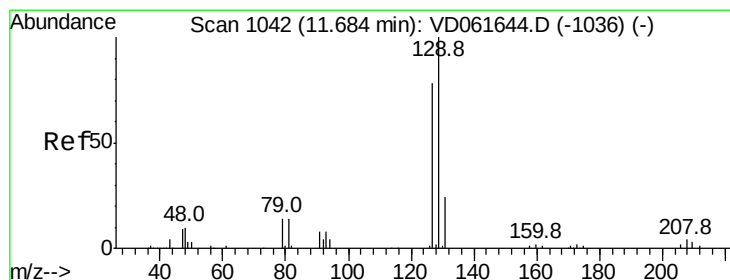
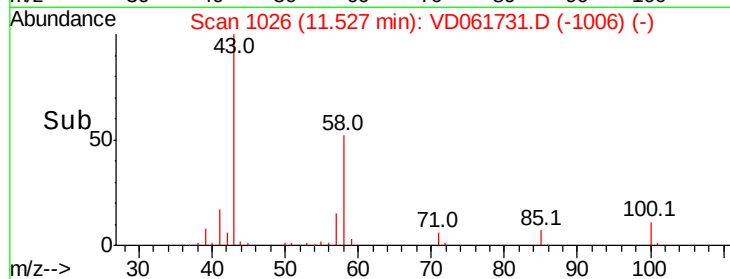
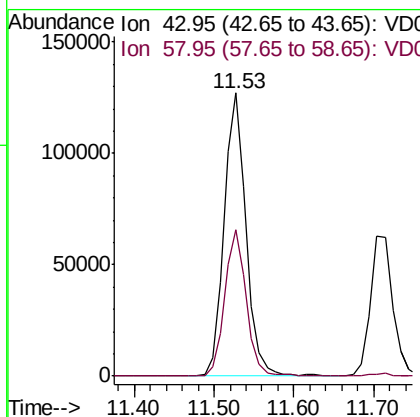
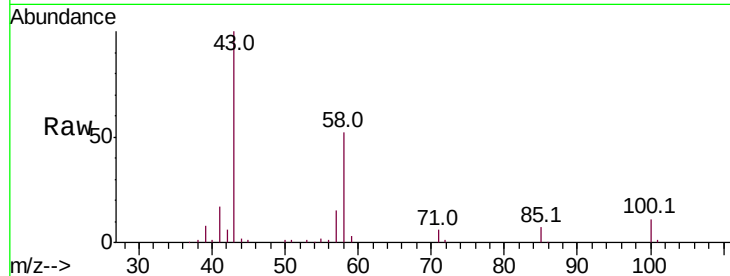




#59
2-Hexanone
Concen: 110.020 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

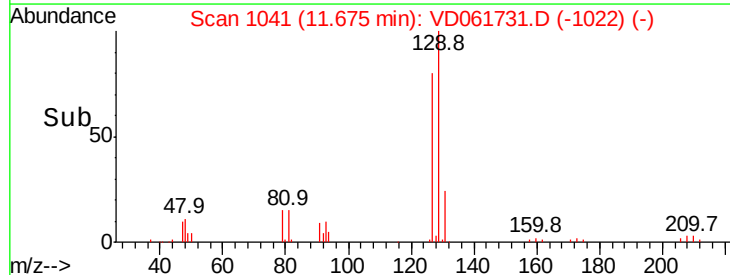
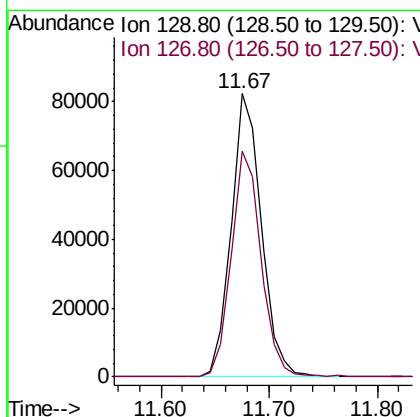
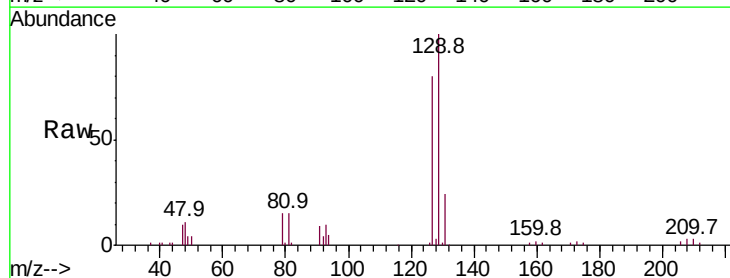
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD02

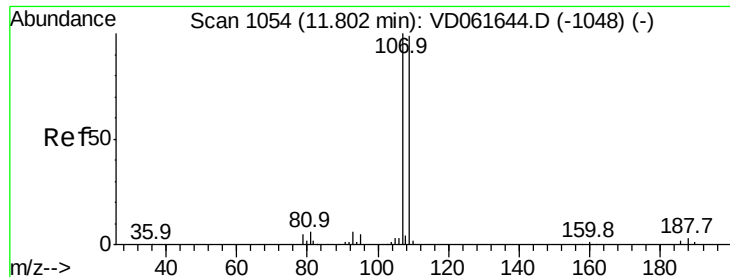
Tot Ion: 43 Resp: 245832
Ion Ratio Lower Upper
43 100
58 51.9 25.6 76.8



#60
Dibromochloromethane
Concen: 24.138 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion: 129 Resp: 159575
Ion Ratio Lower Upper
129 100
127 79.9 38.8 116.4

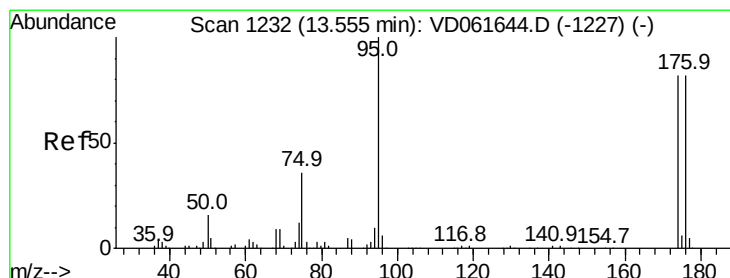
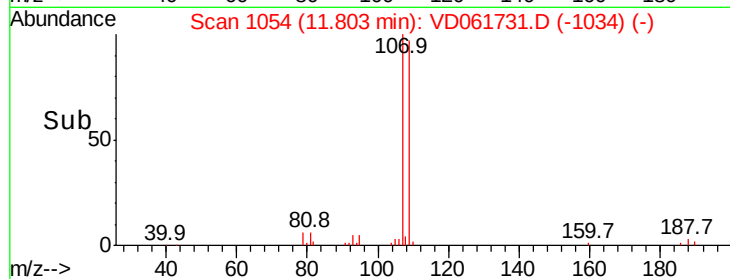
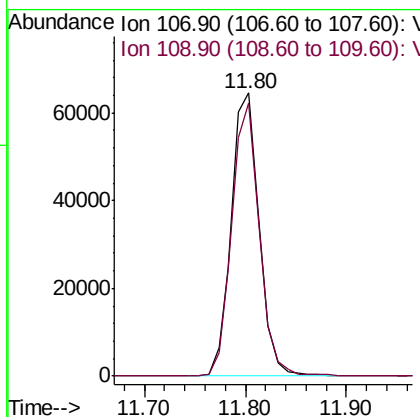
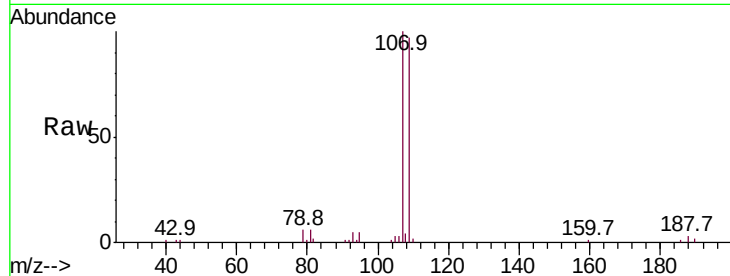




#61
 1,2-Dibromoethane
 Concen: 25.216 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

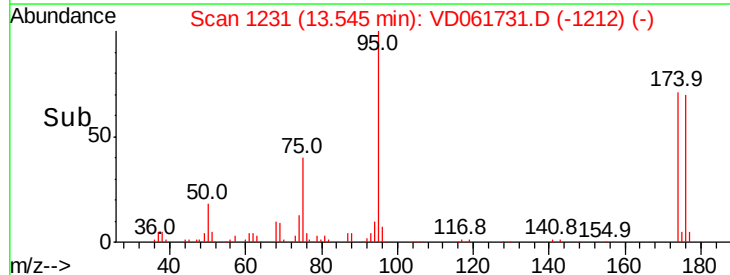
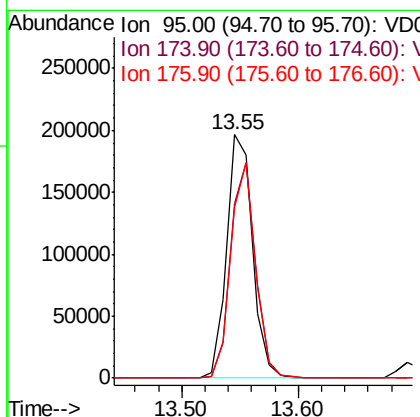
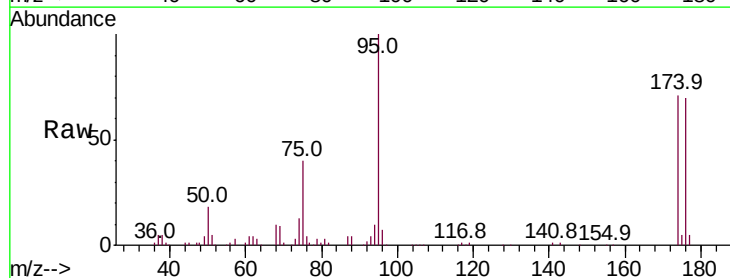
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

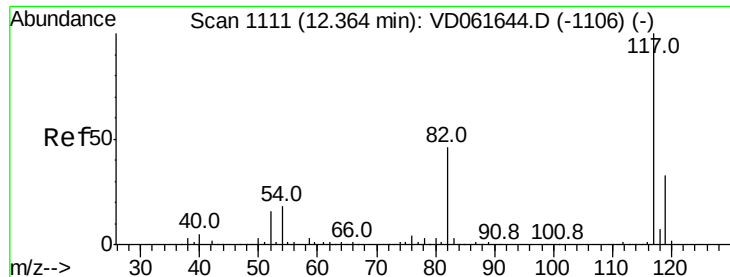
Tot Ion:107 Resp: 123394
 Ion Ratio Lower Upper
 107 100
 109 96.7 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 25.216 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 95 Resp: 301725
 Ion Ratio Lower Upper
 95 100
 174 71.5 0.0 164.6
 176 70.2 0.0 165.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBSD02

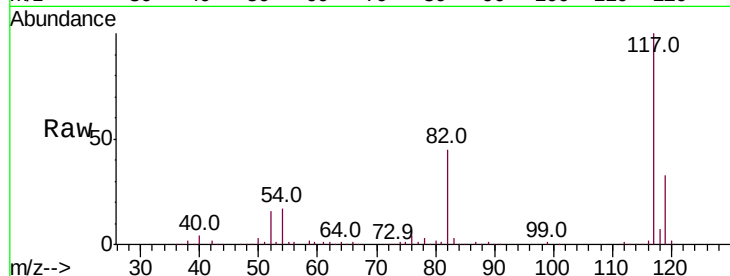
Tot Ion:117 Resp: 834275

Ion Ratio Lower Upper

117 100

82 44.8 36.8 55.2

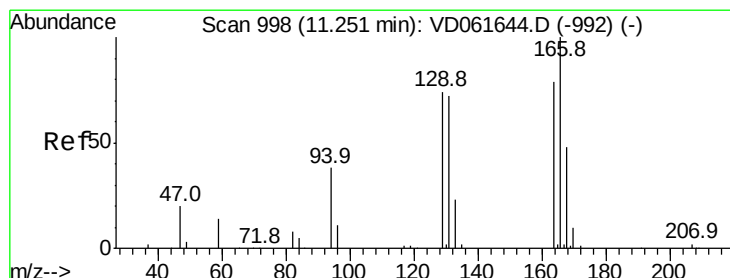
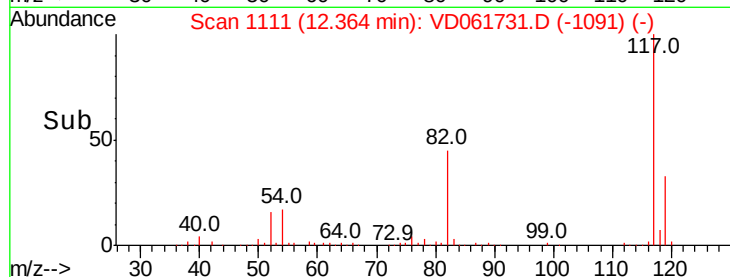
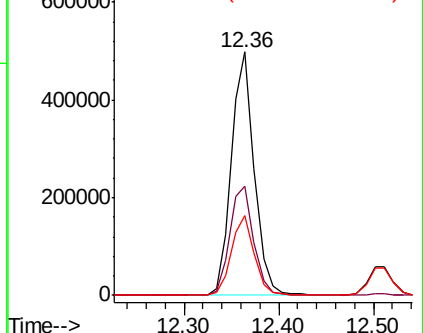
119 32.7 26.1 39.1



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 21.020 ug/l

RT: 11.25 min Scan# 998

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Tgt Ion:164 Resp: 136121

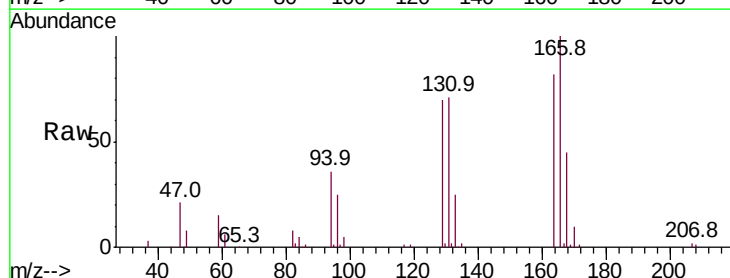
Ion Ratio Lower Upper

164 100

166 121.9 101.8 152.8

129 85.6 75.4 113.0

131 87.1 73.6 110.4

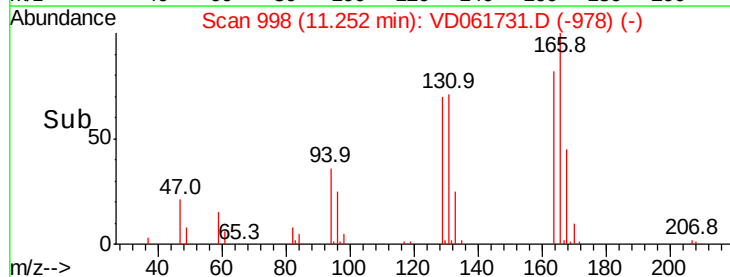
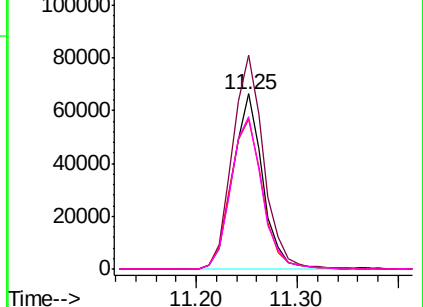


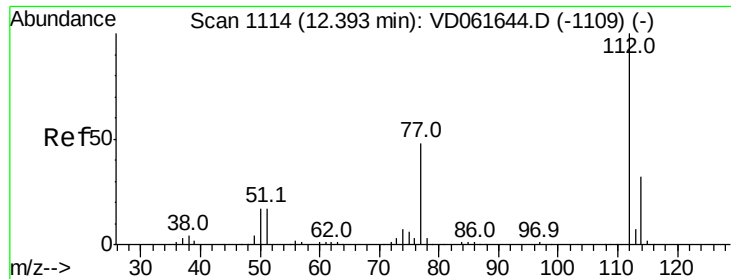
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

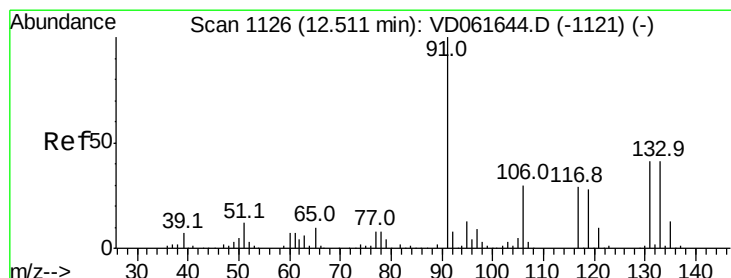
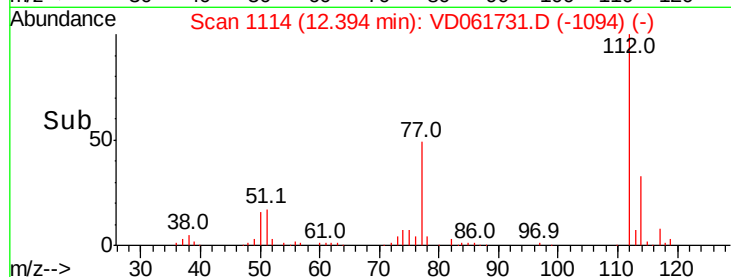
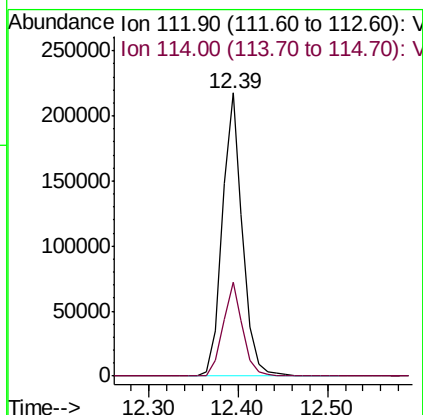
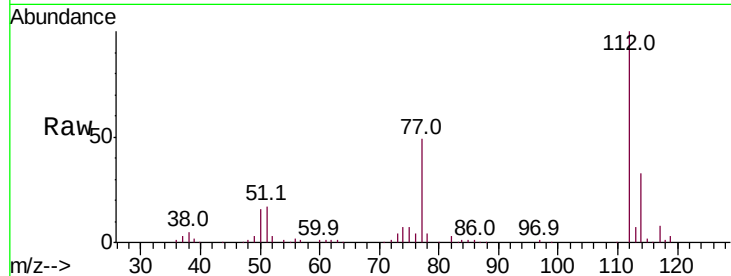




#65
Chlorobenzene
Concen: 20.830 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

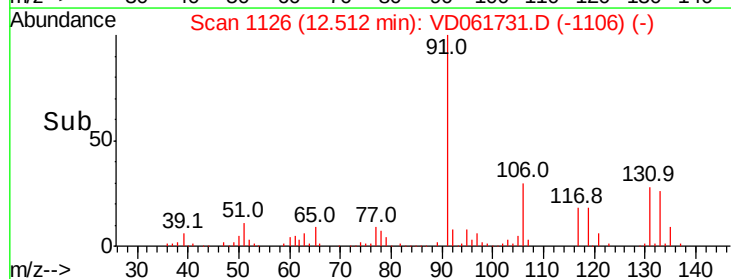
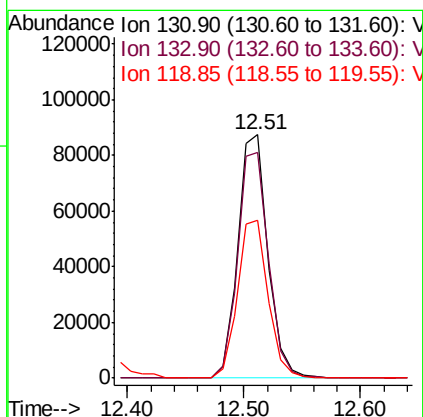
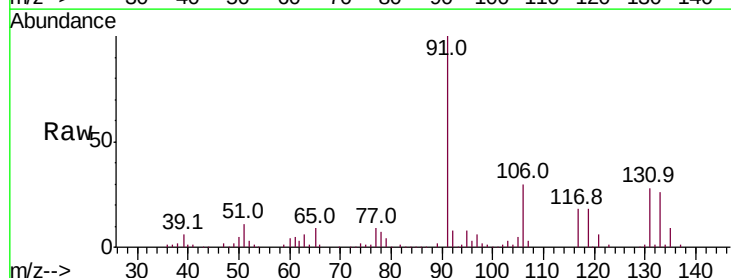
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD02

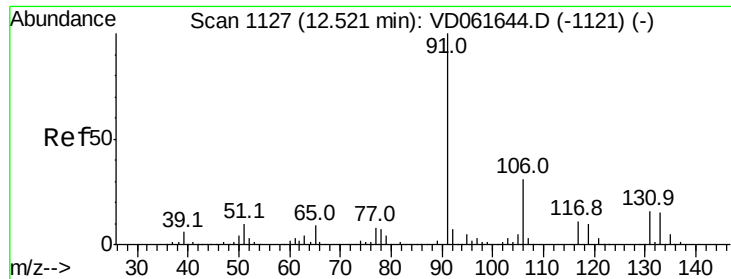
Tot Ion:112 Resp: 344630
Ion Ratio Lower Upper
112 100
114 33.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 24.378 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion:131 Resp: 155204
Ion Ratio Lower Upper
131 100
133 93.0 49.5 148.3
119 65.0 34.7 104.1

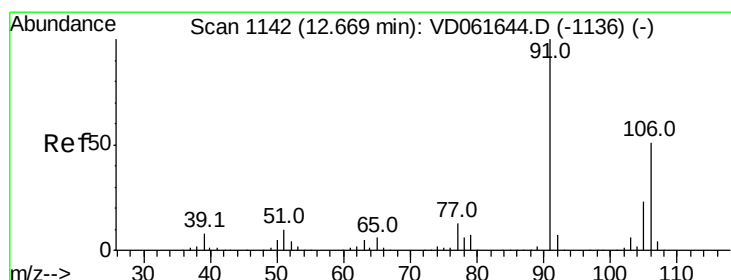
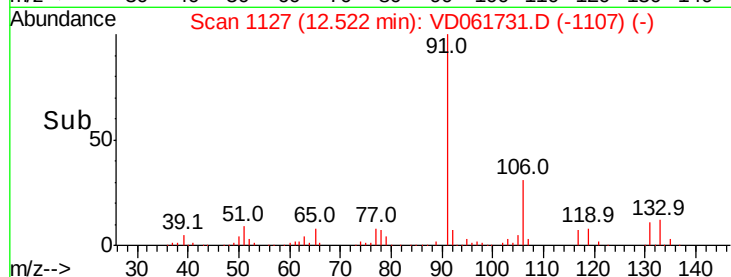
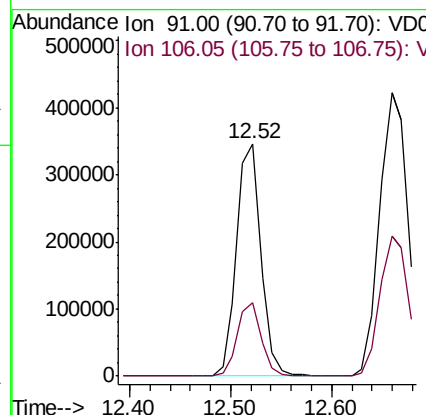
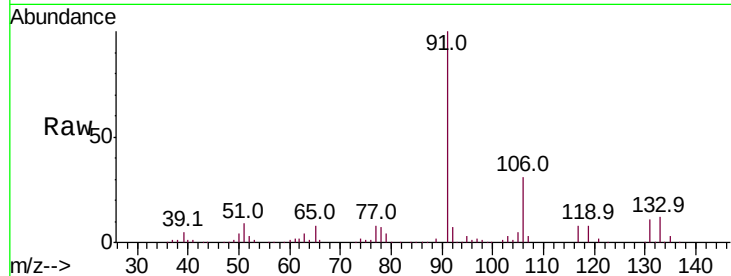




#67
Ethyl Benzene
Concen: 23.021 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

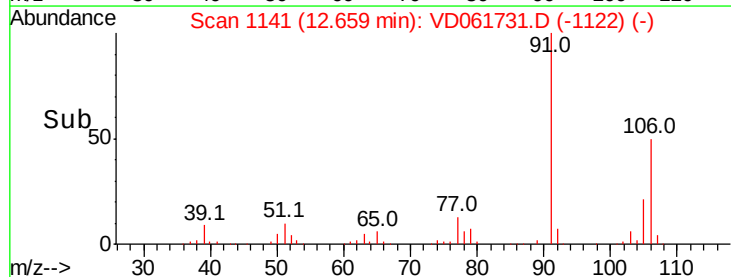
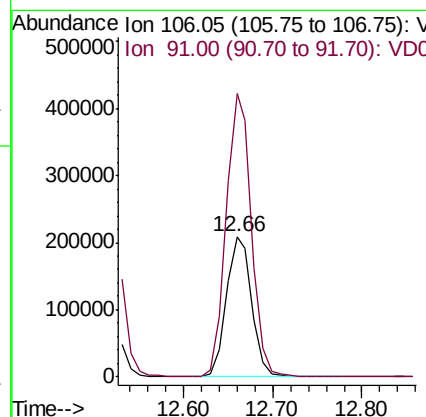
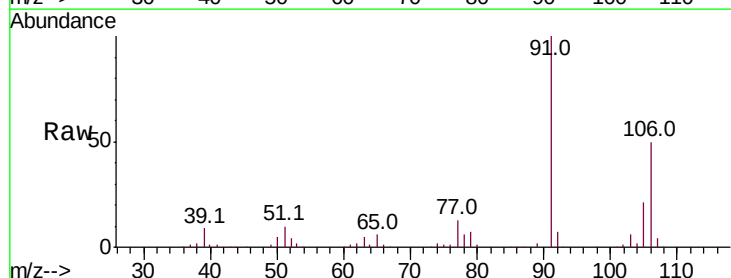
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD02

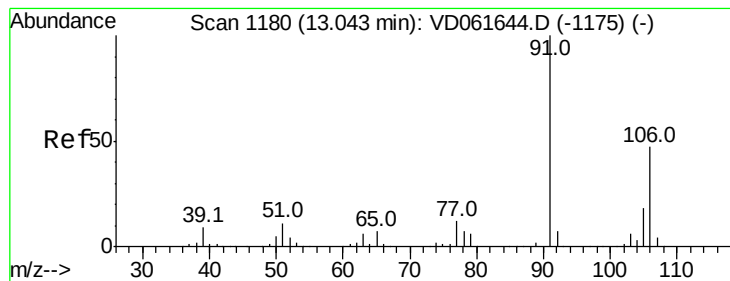
Tot Ion: 91 Resp: 579999
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 42.936 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion:106 Resp: 417029
Ion Ratio Lower Upper
106 100
91 201.3 156.7 235.1





#69

o-Xylene

Concen: 18.836 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

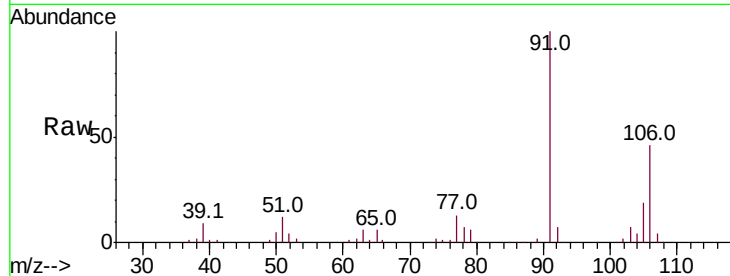
VD0410SBS02

Tot Ion:106 Resp: 176606

Ion Ratio Lower Upper

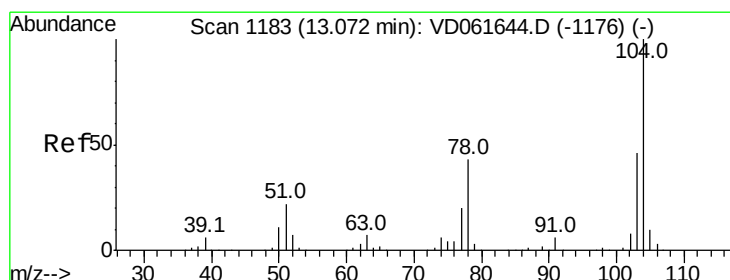
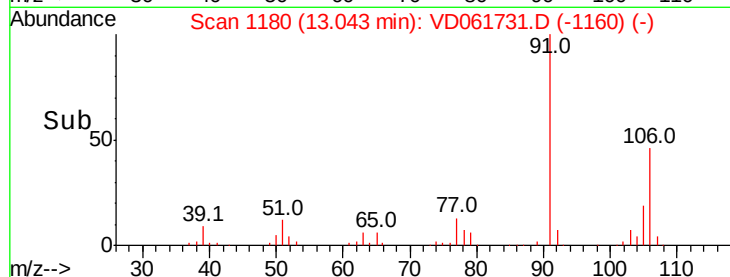
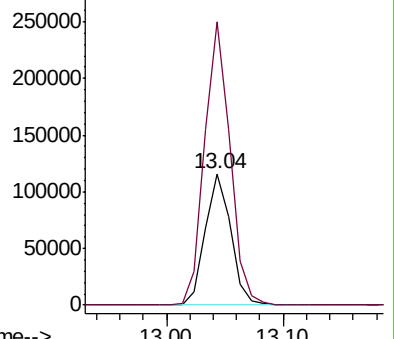
106 100

91 215.8 107.3 321.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 20.868 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

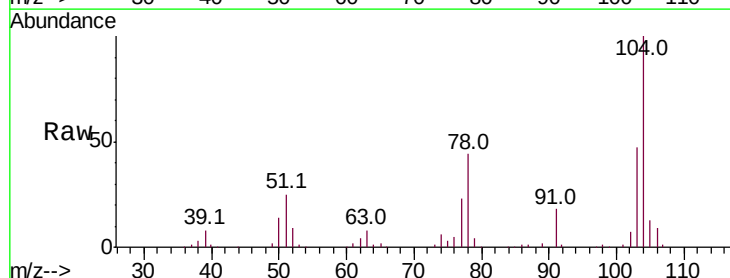
Tgt Ion:104 Resp: 334144

Ion Ratio Lower Upper

104 100

78 44.5 34.2 51.4

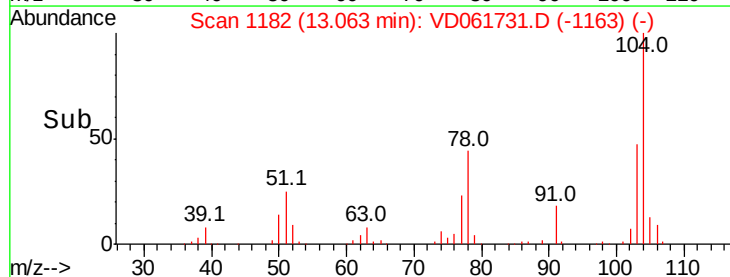
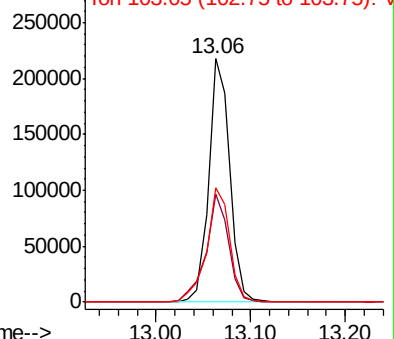
103 47.2 37.2 55.8

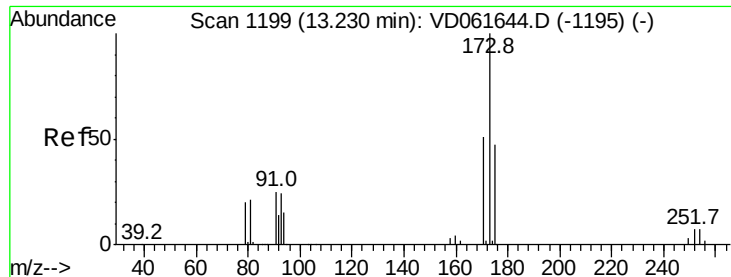


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 23.207 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

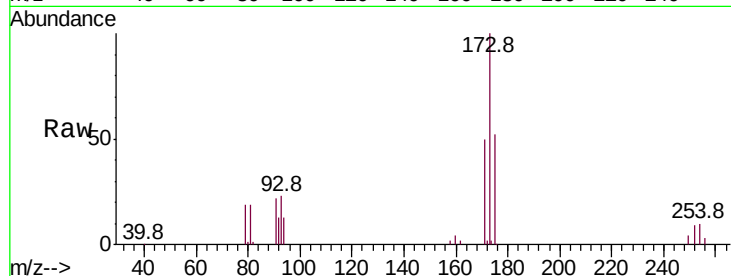
Tot Ion:173 Resp: 91672

Ion Ratio Lower Upper

173 100

175 52.2 23.7 71.1

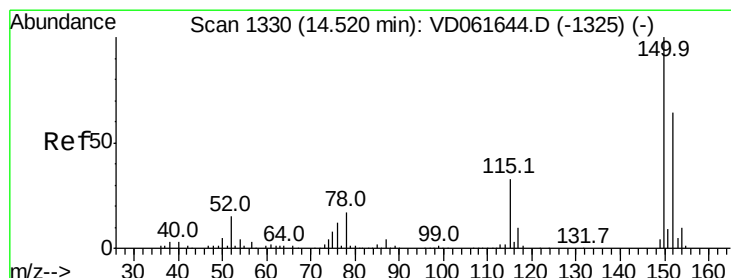
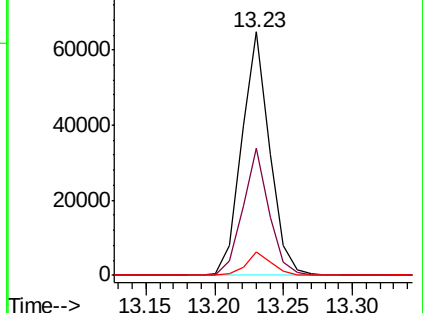
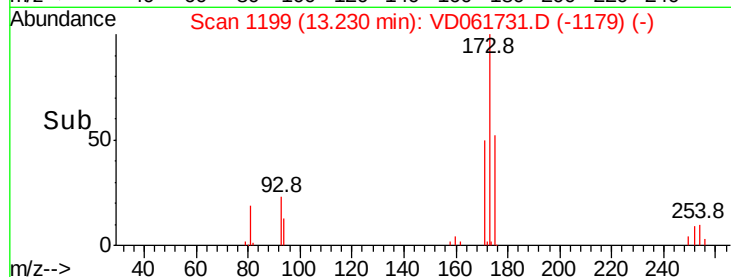
254 9.6 5.8 8.6#



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

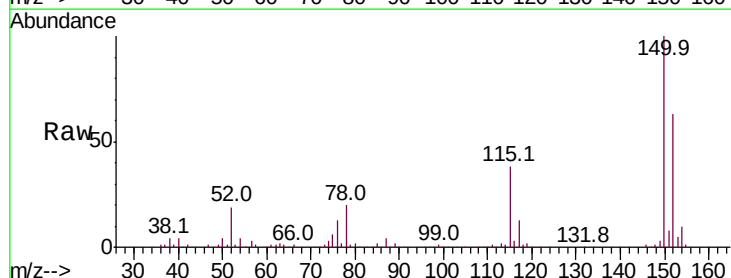
Tgt Ion:152 Resp: 368879

Ion Ratio Lower Upper

152 100

115 59.2 26.4 79.2

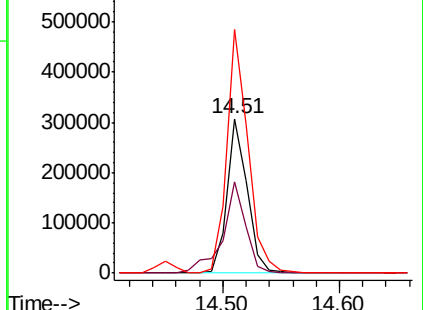
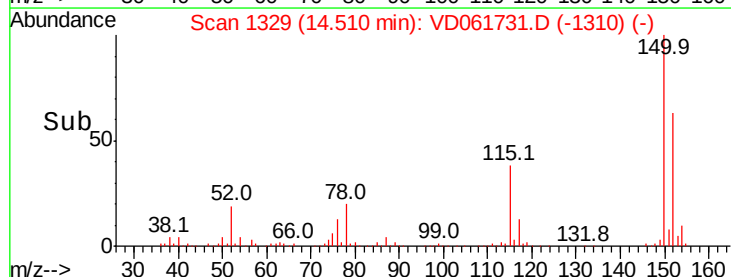
150 157.5 0.0 320.6

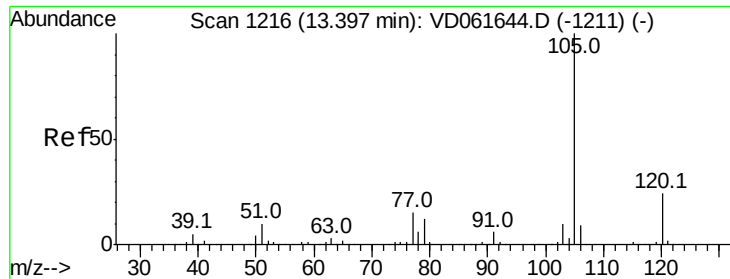


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

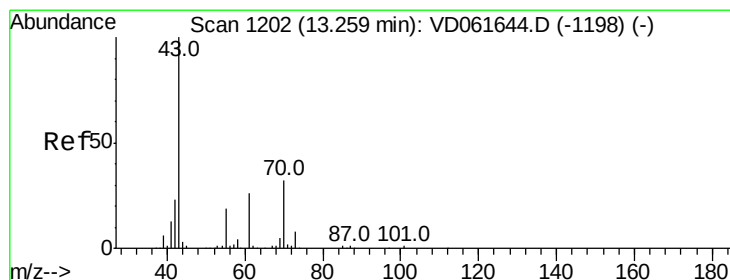
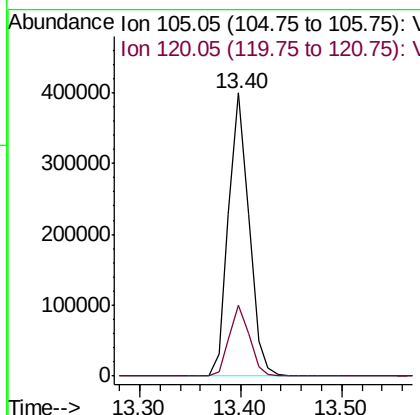
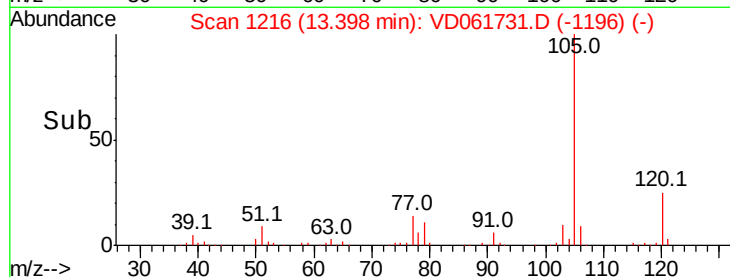
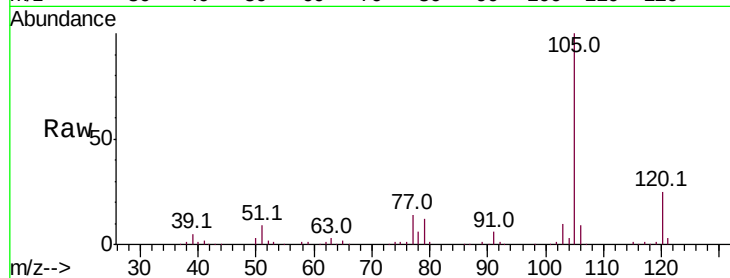




#73
Isopropylbenzene
Concen: 22.929 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

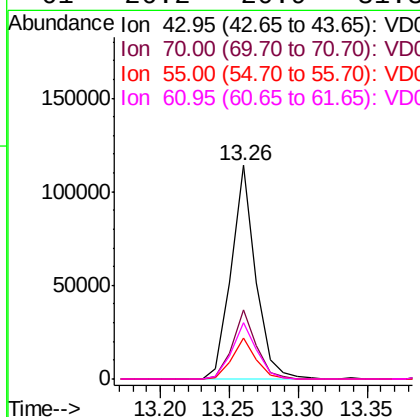
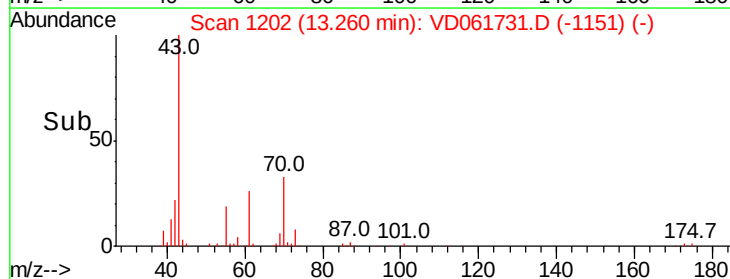
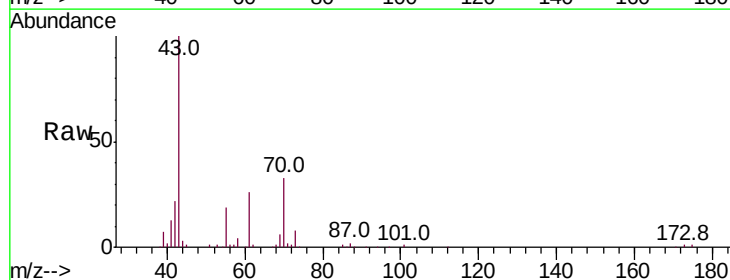
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD02

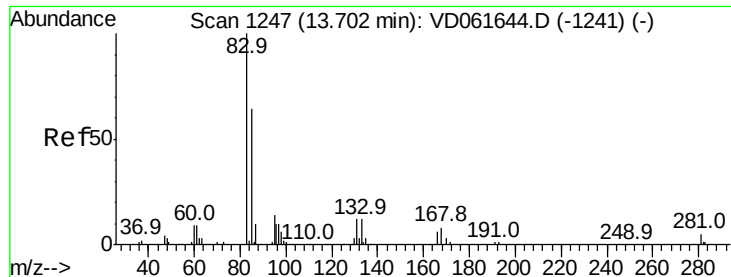
Tot Ion:105 Resp: 563559
Ion Ratio Lower Upper
105 100
120 25.2 12.2 36.4



#74
N-ethyl acetate
Concen: 21.027 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion: 43 Resp: 140424
Ion Ratio Lower Upper
43 100
70 32.6 25.4 38.2
55 19.1 15.0 22.4
61 26.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.668 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

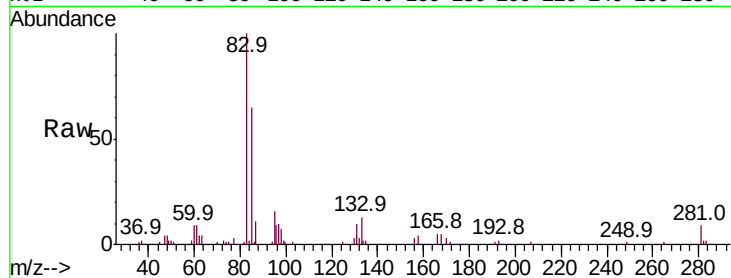
Tot Ion: 83 Resp: 110119

Ion Ratio Lower Upper

83 100

131 10.2 5.9 17.6

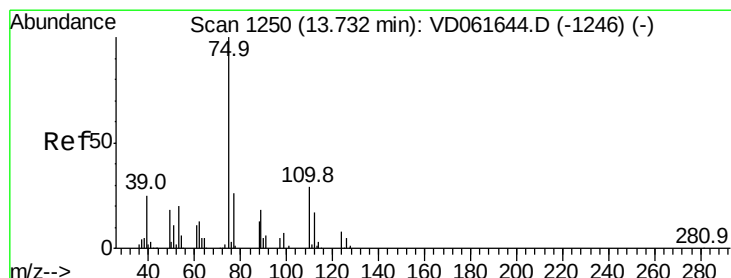
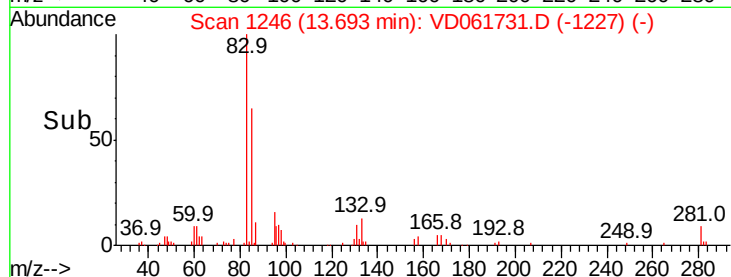
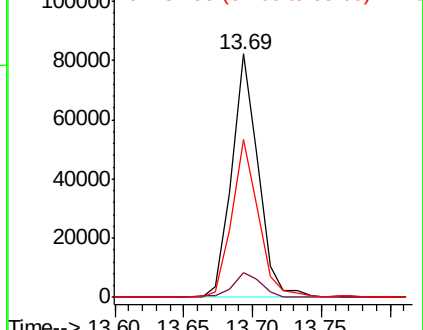
85 64.7 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.690 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061731.D

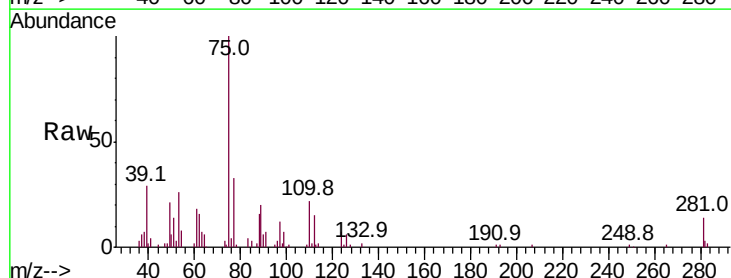
Acq: 11 Apr 2019 10:01

Tgt Ion: 75 Resp: 113870

Ion Ratio Lower Upper

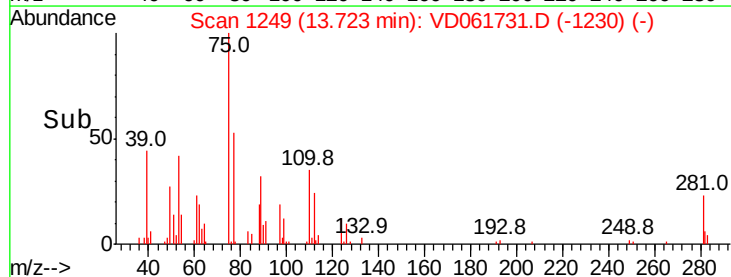
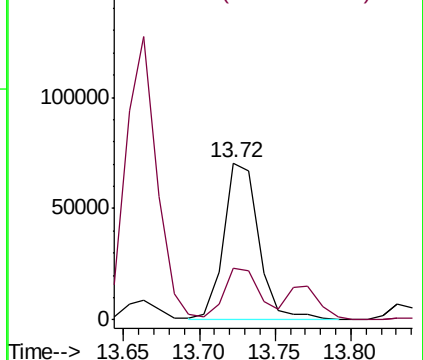
75 100

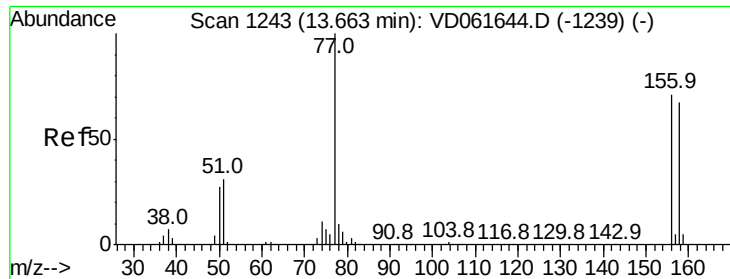
77 33.1 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.966 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

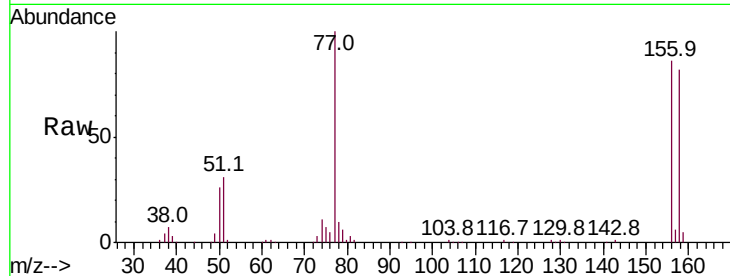
Tot Ion:156 Resp: 149576

Ion Ratio Lower Upper

156 100

77 116.4 70.3 210.8

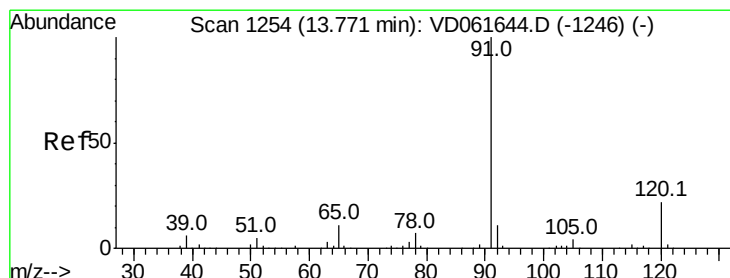
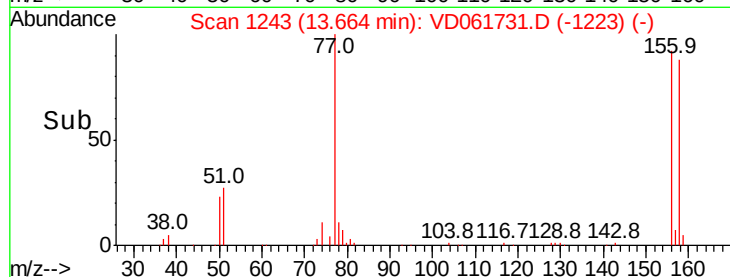
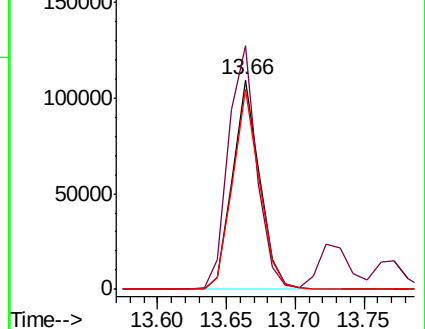
158 95.8 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.737 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061731.D

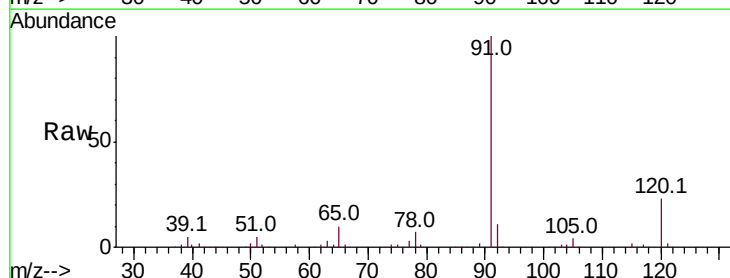
Acq: 11 Apr 2019 10:01

Tgt Ion: 91 Resp: 668503

Ion Ratio Lower Upper

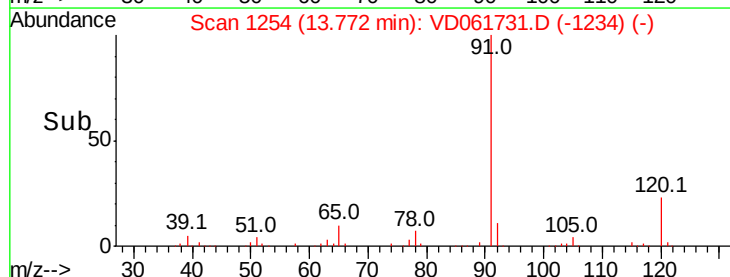
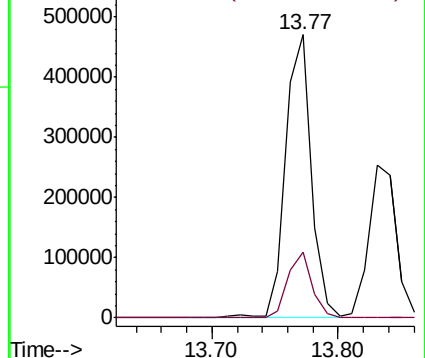
91 100

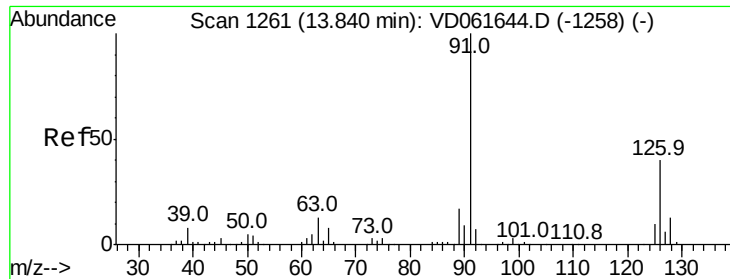
120 23.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.744 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

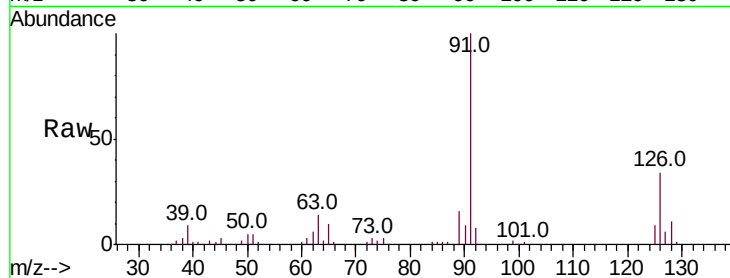
VD0410SBSD02

Tot Ion: 91 Resp: 382404

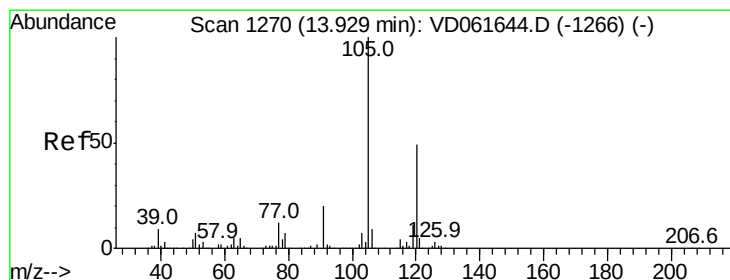
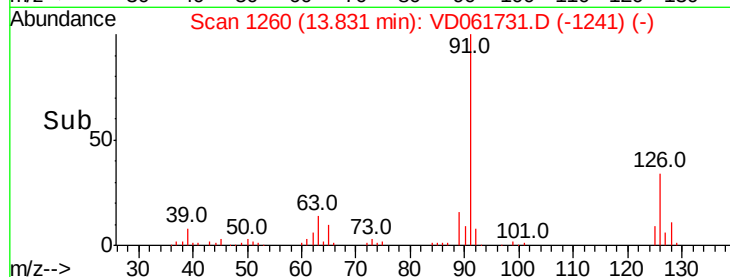
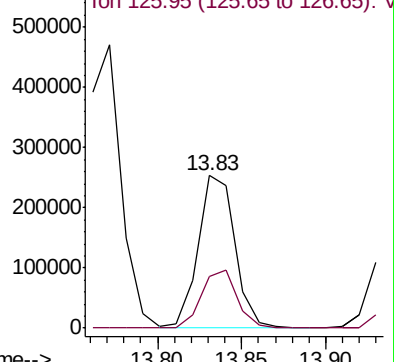
Ion Ratio Lower Upper

91 100

126 34.0 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.106 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061731.D

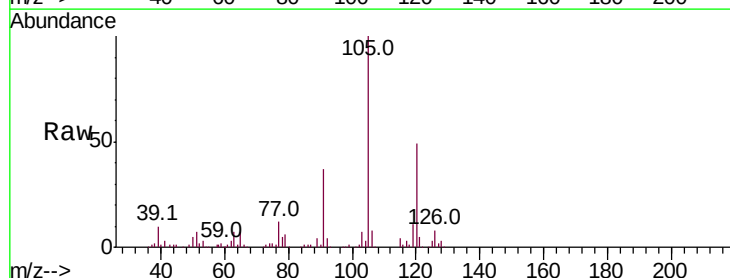
Acq: 11 Apr 2019 10:01

Tgt Ion:105 Resp: 372733

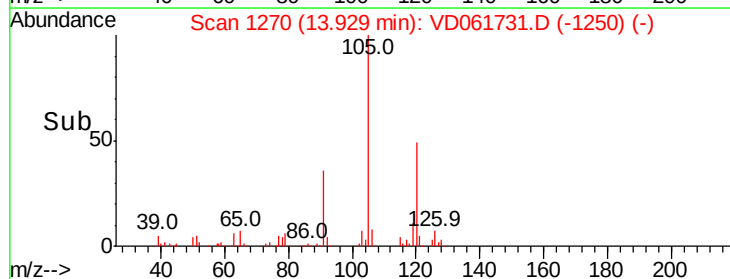
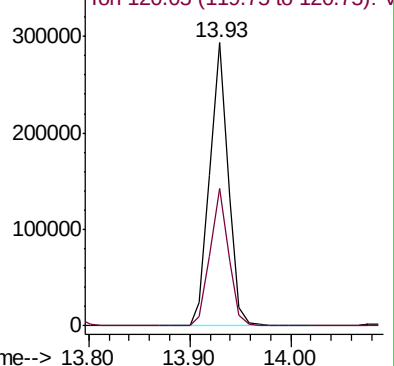
Ion Ratio Lower Upper

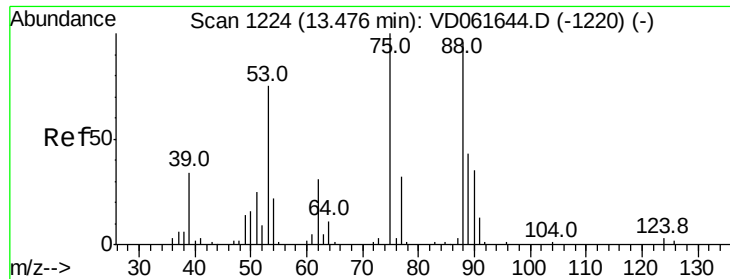
105 100

120 48.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.606 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS02

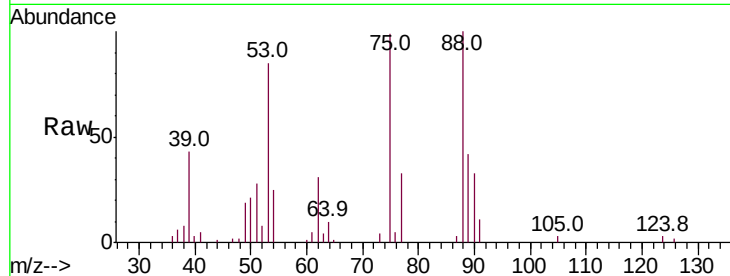
Tot Ion: 75 Resp: 29858

Ion Ratio Lower Upper

75 100

53 85.5 60.2 90.2

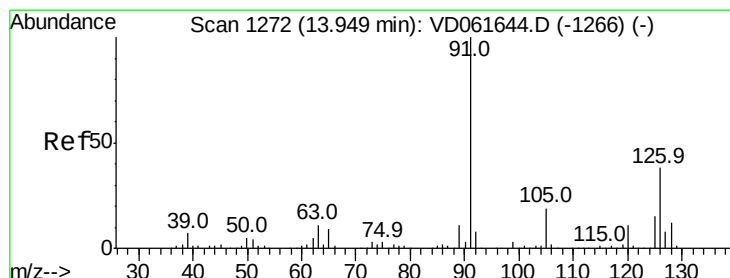
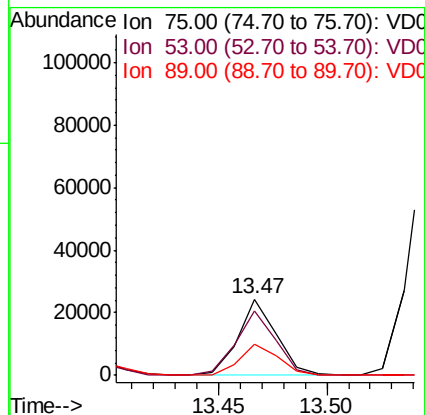
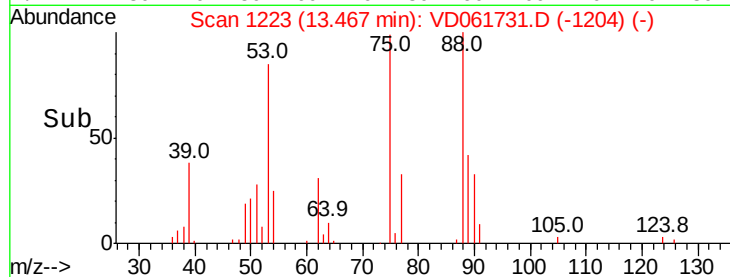
89 41.8 34.2 51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.667 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061731.D

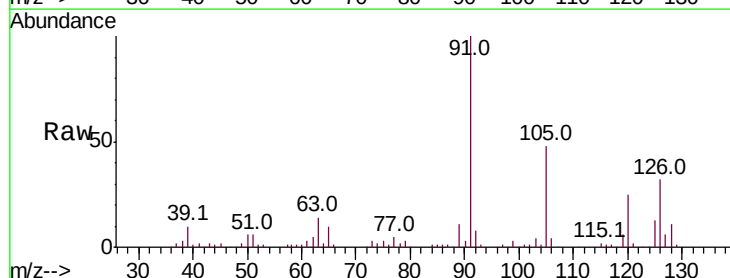
Acq: 11 Apr 2019 10:01

Tgt Ion: 91 Resp: 380766

Ion Ratio Lower Upper

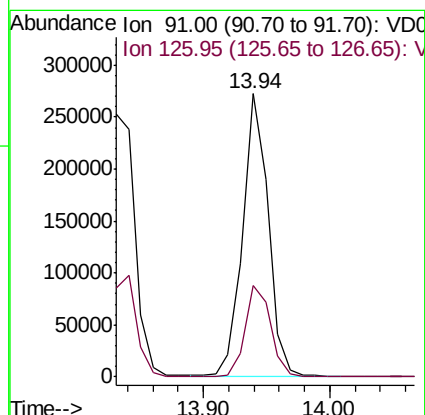
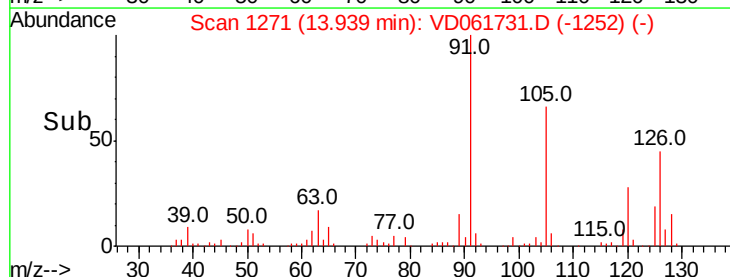
91 100

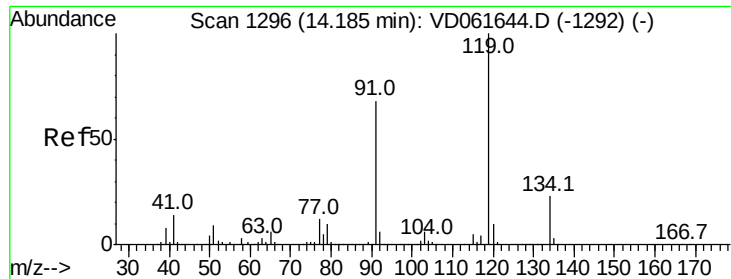
126 32.4 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

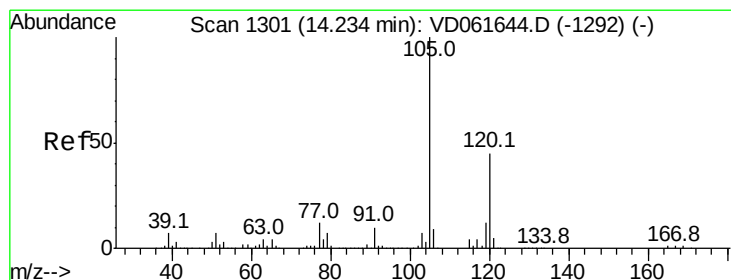
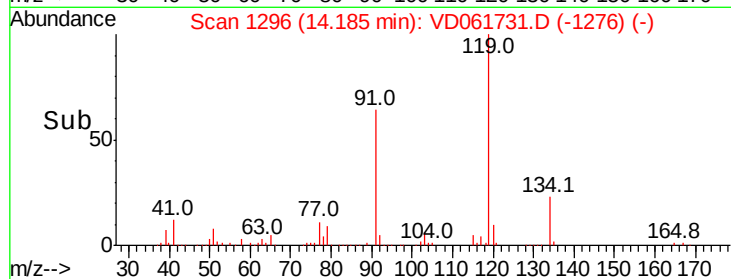
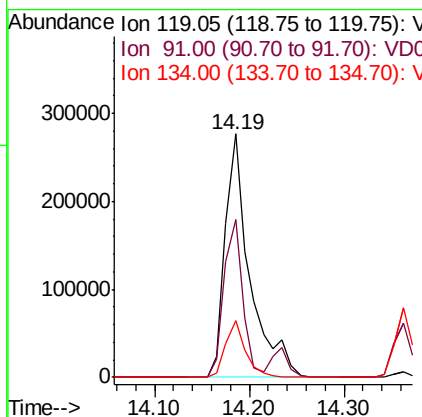
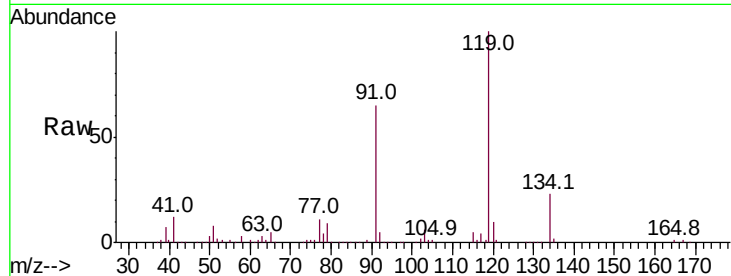




#83
 tert-Butylbenzene
 Concen: 21.285 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

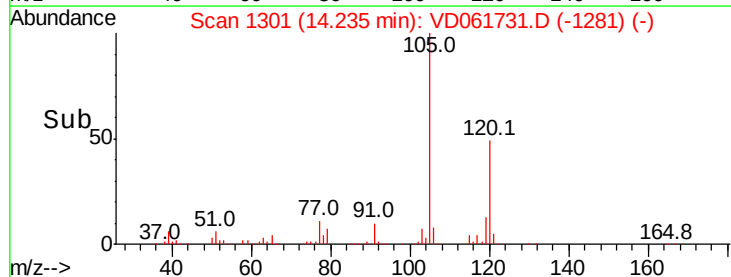
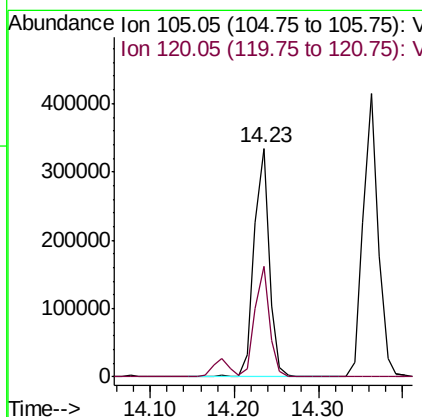
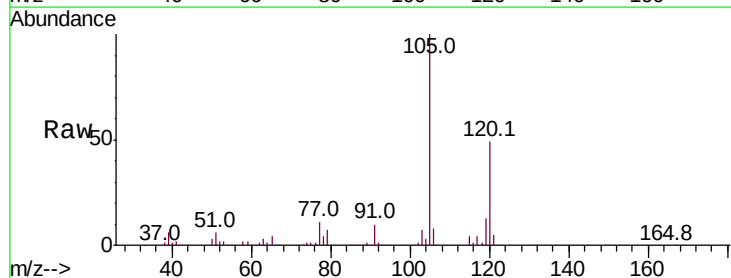
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0410SBS02

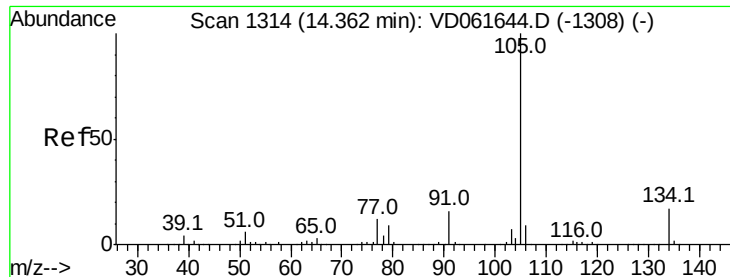
Tot Ion:119 Resp: 500652
 Ion Ratio Lower Upper
 119 100
 91 65.0 33.9 101.6
 134 23.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.730 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion:105 Resp: 427849
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.6 67.8





#85

sec-Butylbenzene

Concen: 20.330 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleId :

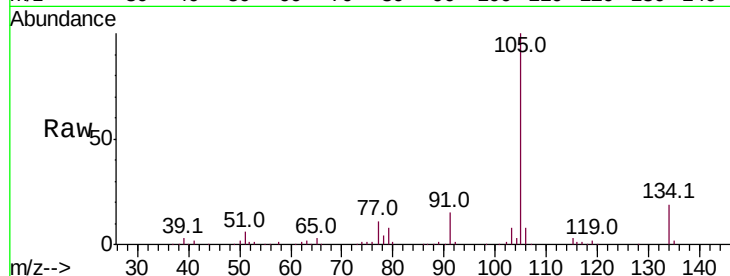
VD0410SBS02

Tot Ion:105 Resp: 516660

Ion Ratio Lower Upper

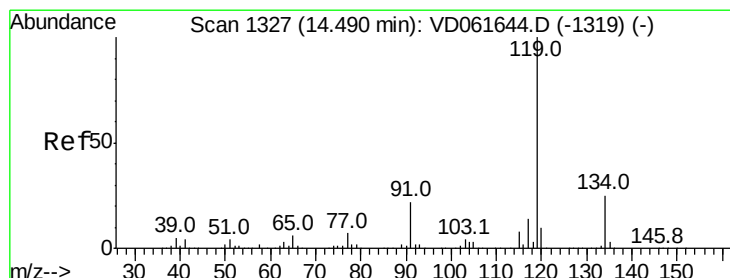
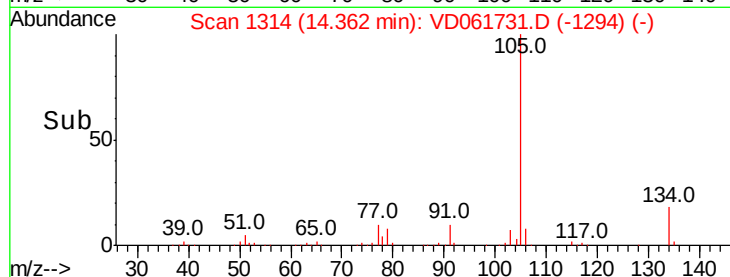
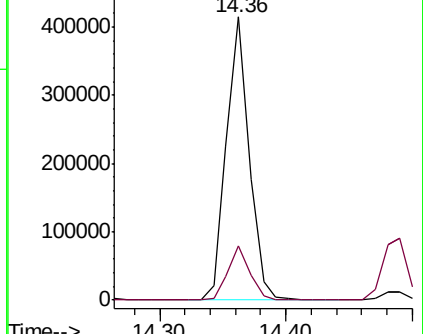
105 100

134 19.0 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.665 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

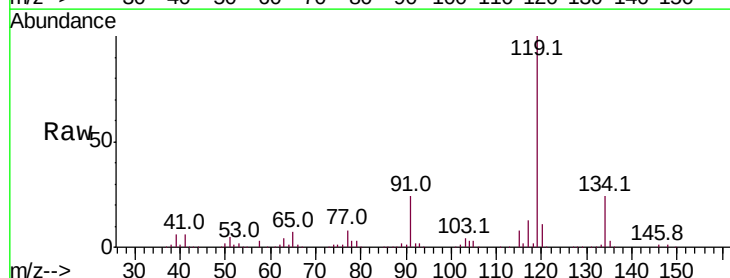
Tgt Ion:119 Resp: 499680

Ion Ratio Lower Upper

119 100

134 23.7 12.5 37.5

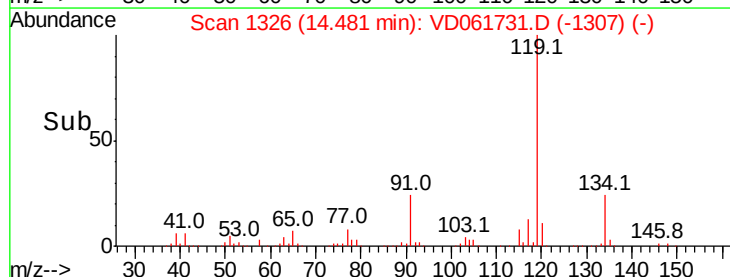
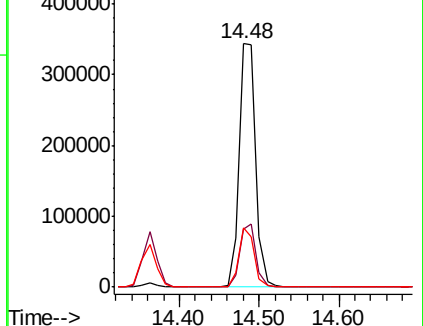
91 24.5 11.0 33.0

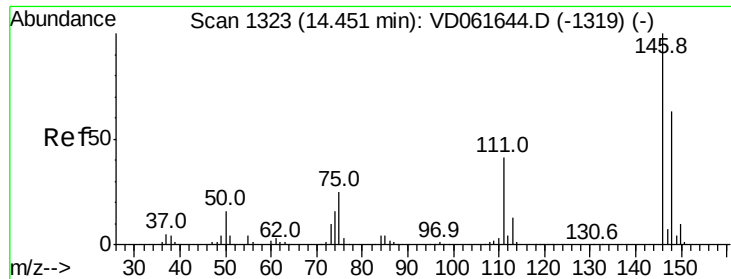


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

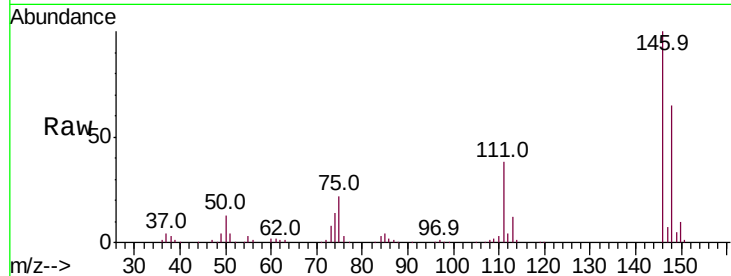




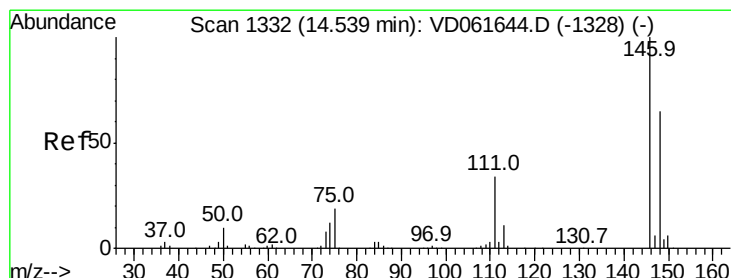
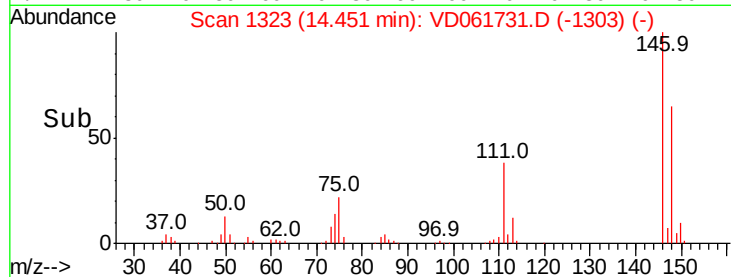
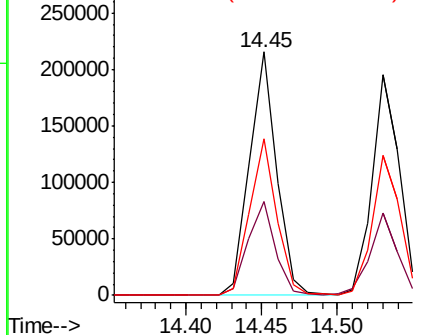
#87
 1,3-Dichlorobenzene
 Concen: 22.059 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Tot Ion:146 Resp: 270841
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.3 61.0
 148 64.5 31.7 95.1

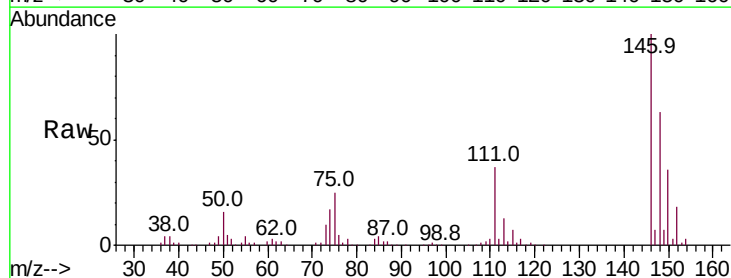


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

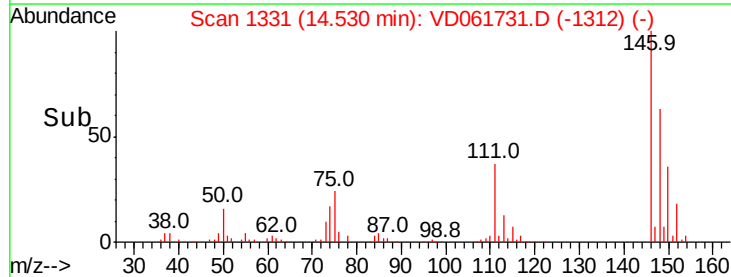
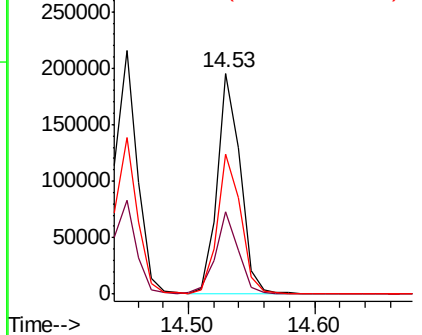


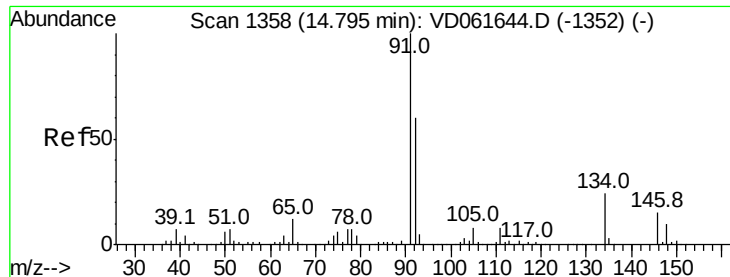
#88
 1,4-Dichlorobenzene
 Concen: 20.111 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion:146 Resp: 249149
 Ion Ratio Lower Upper
 146 100
 111 37.3 17.1 51.2
 148 63.2 32.6 97.7



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





#89

n-Butylbenzene

Concen: 21.528 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061731.D

Acq: 11 Apr 2019 10:01

Instrument :

MSVOA_D

ClientSampleID :

VD0410SBS02

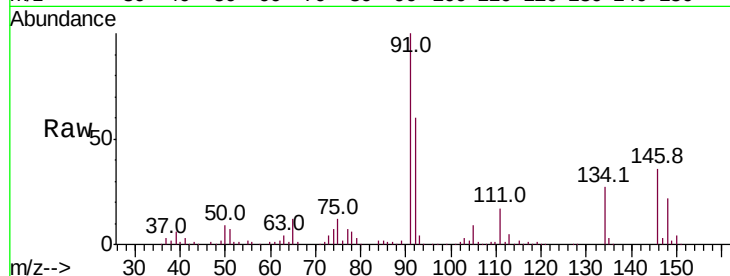
Tot Ion: 91 Resp: 412524

Ion Ratio Lower Upper

91 100

92 60.1 29.8 89.4

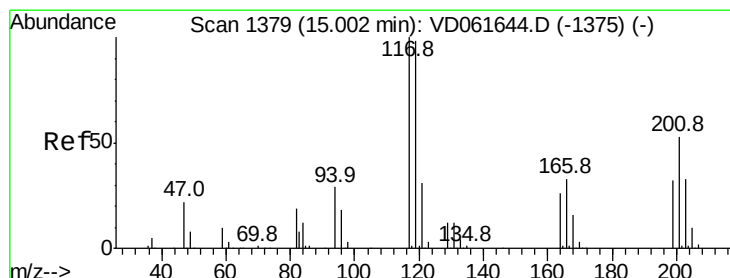
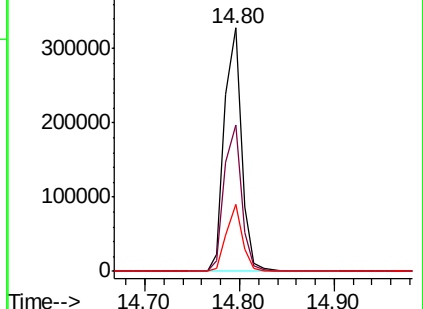
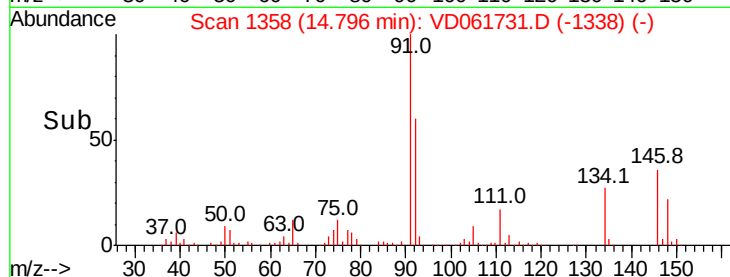
134 27.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 22.669 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061731.D

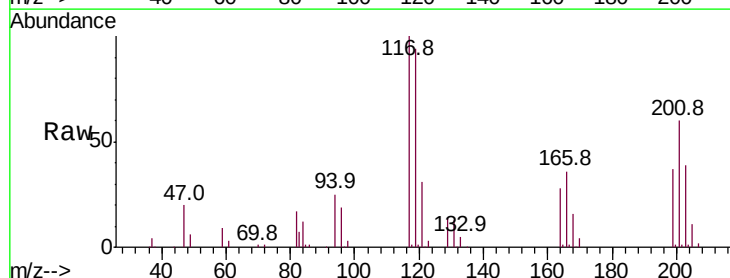
Acq: 11 Apr 2019 10:01

Tgt Ion: 117 Resp: 135605

Ion Ratio Lower Upper

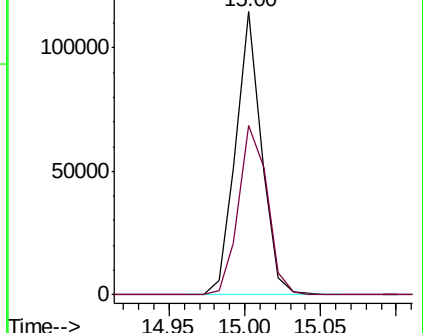
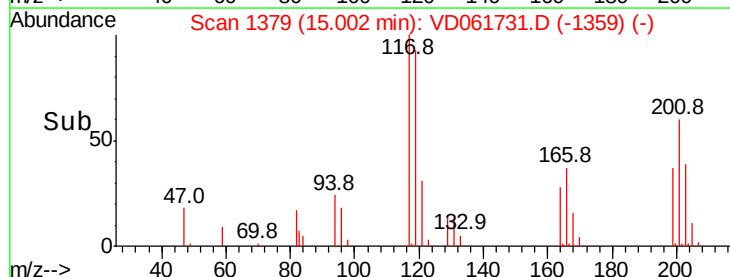
117 100

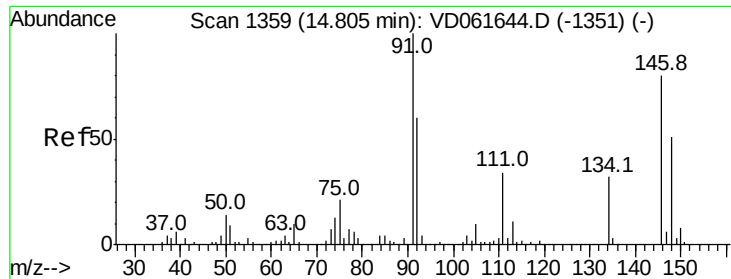
201 59.7 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

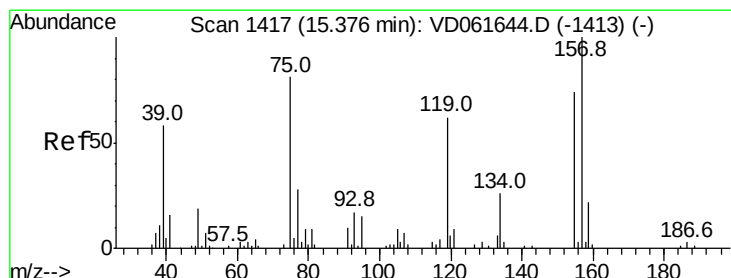
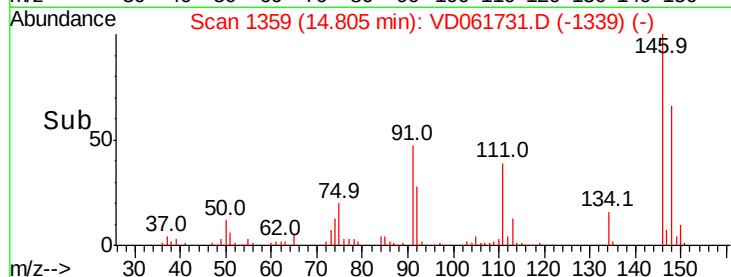
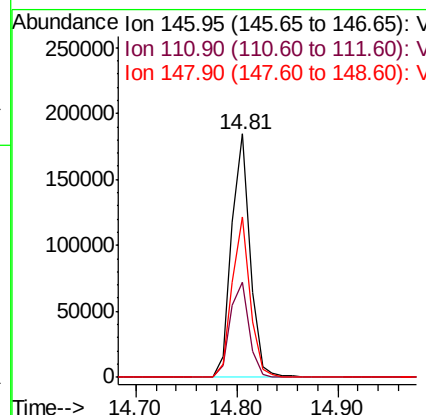
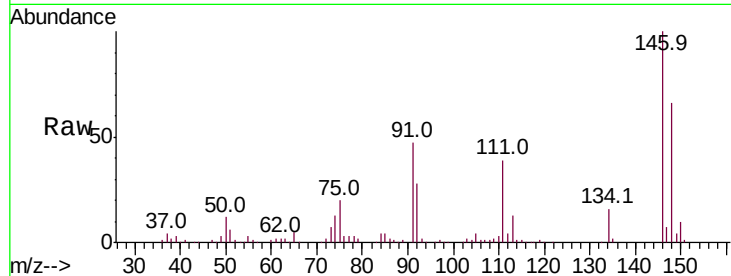




#91
 1,2-Dichlorobenzene
 Concen: 23.176 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

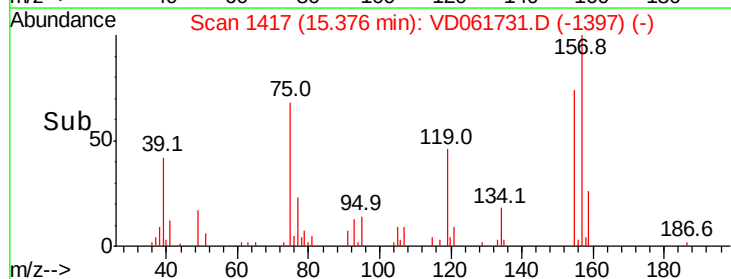
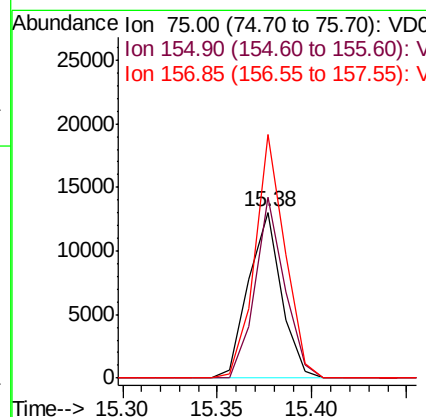
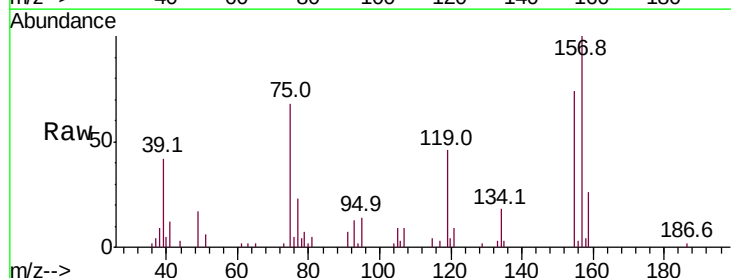
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD02

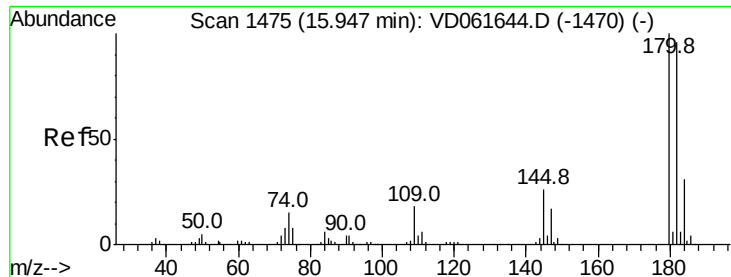
Tot Ion:146 Resp: 234528
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.1 63.3
 148 66.0 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.634 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion: 75 Resp: 15721
 Ion Ratio Lower Upper
 75 100
 155 109.2 45.6 136.7
 157 146.9 61.4 184.2

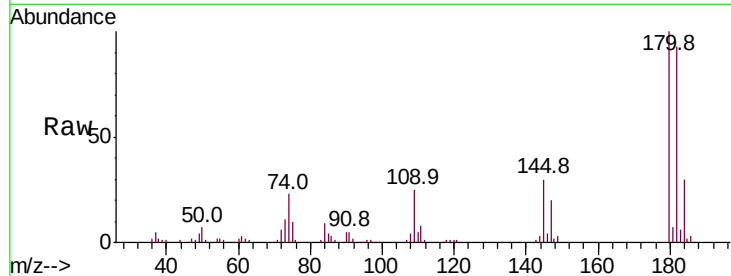




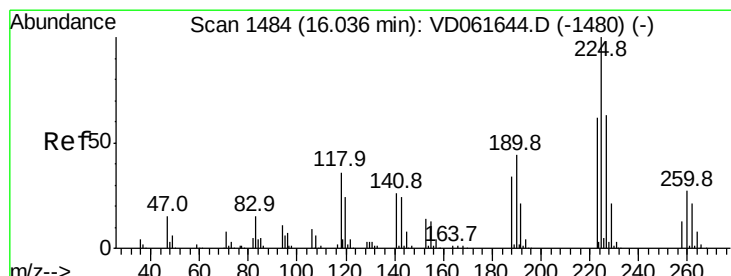
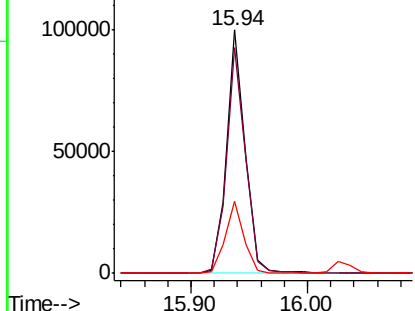
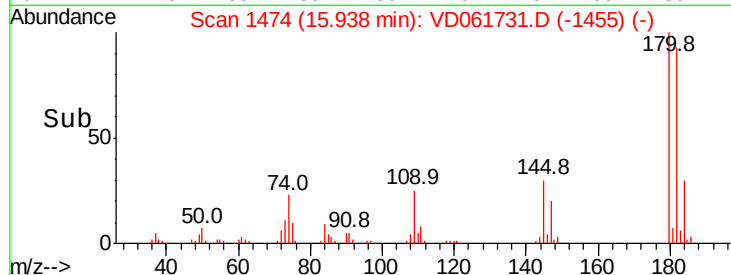
#93
 1,2,4-Trichlorobenzene
 Concen: 21.373 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.8	143.3
145	29.6	13.3	39.8

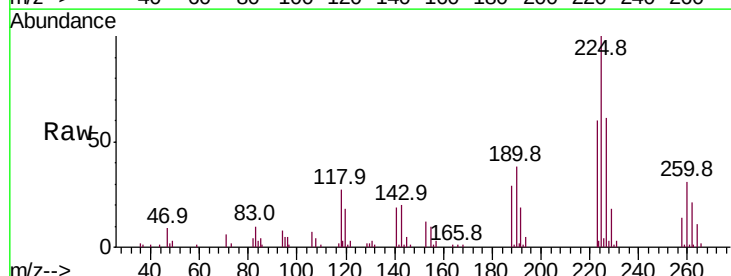


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

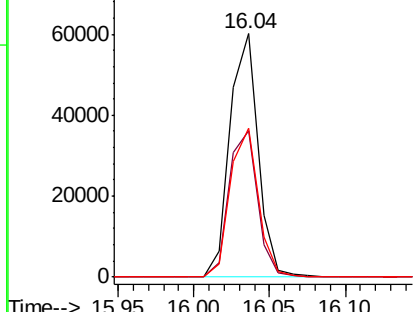
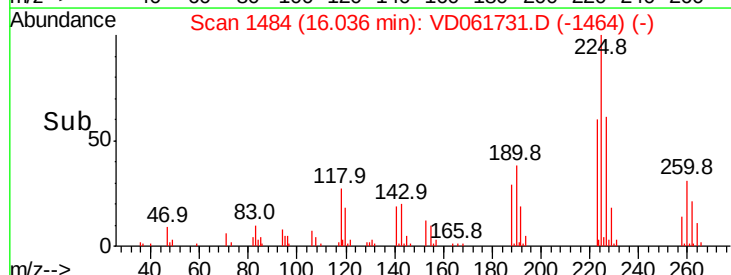


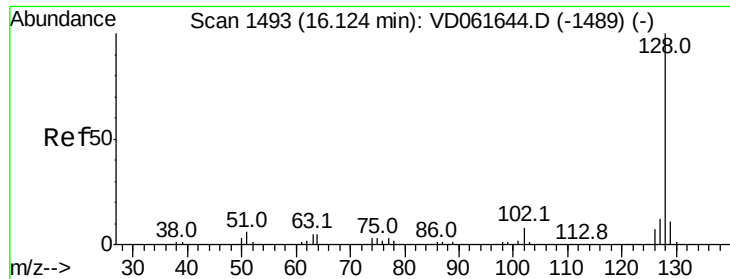
#94
 Hexachlorobutadiene
 Concen: 19.554 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061731.D
 Acq: 11 Apr 2019 10:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	30.8	92.3
227	61.0	31.5	94.5



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

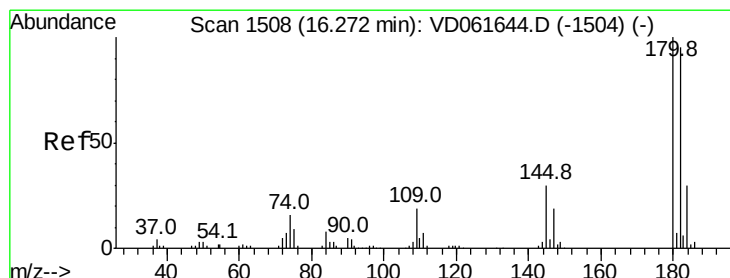
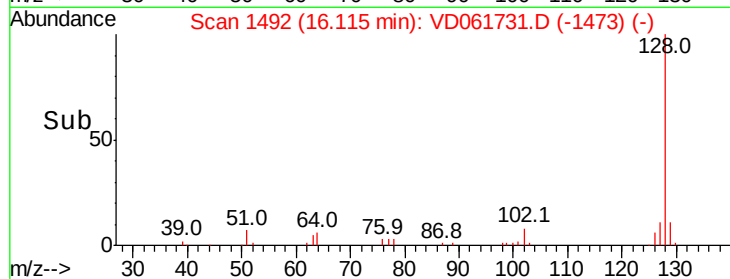
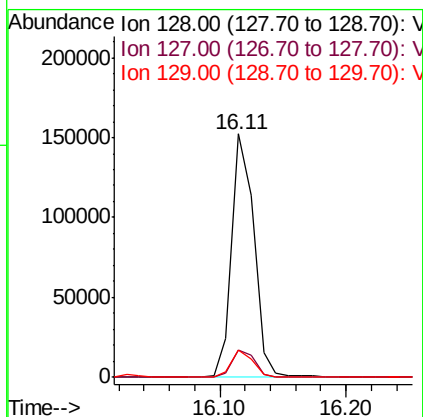
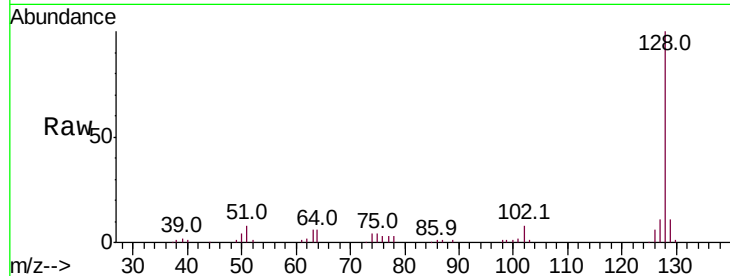




#95
Naphthalene
Concen: 22.645 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD02

Tot Ion:128 Resp: 184729
Ion Ratio Lower Upper
128 100
127 11.3 9.4 14.2
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.448 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061731.D
Acq: 11 Apr 2019 10:01

Tgt Ion:180 Resp: 55186
Ion Ratio Lower Upper
180 100
182 102.5 47.3 142.0
145 33.6 15.1 45.3

