

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061641.D
 Acq On : 6 Apr 2019 13:58
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 07:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	719961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1225385	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	923900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	432156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	441569	83.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.54%	
35) Dibromofluoromethane	6.91	113	688102	82.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.52%	
50) Toluene-d8	10.41	98	1498444	73.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.70%	
62) 4-Bromofluorobenzene	13.55	95	611667	77.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	776961	102.848	ug/l	99
3) Chloromethane	1.75	50	570495	93.587	ug/l	96
4) Vinyl Chloride	1.84	62	596574	101.880	ug/l	100
5) Bromomethane	2.14	94	102193	77.882	ug/l	96
6) Chloroethane	2.25	64	156101	84.845	ug/l	97
7) Trichlorofluoromethane	2.51	101	818386	94.961	ug/l	98
8) Diethyl Ether	2.87	74	253137	101.416	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	819430	95.508	ug/l	97
10) Methyl Iodide	3.30	142	1351445	122.383	ug/l	99
11) Tert butyl alcohol	4.06	59	193163	527.183	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	706300	94.921	ug/l	94
13) Acrolein	3.03	56	223853	508.618	ug/l	99
14) Allyl chloride	3.61	41	1063482	102.892	ug/l	98
15) Acrylonitrile	4.18	53	604524	500.709	ug/l	97
16) Acetone	3.21	43	873189	551.682	ug/l	98
17) Carbon Disulfide	3.37	76	2404452	99.386	ug/l	99
18) Methyl Acetate	3.63	43	294077	95.592	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	1270962	99.680	ug/l	99
20) Methylene Chloride	3.80	84	787008	87.036	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	763941	95.205	ug/l	99
22) Diisopropyl ether	5.10	45	2027906	95.663	ug/l	97
23) Vinyl Acetate	5.04	43	5757990	491.396	ug/l	100
24) 1,1-Dichloroethane	4.97	63	1328514	101.693	ug/l	100
25) 2-Butanone	6.06	43	980807	530.240	ug/l	99
26) 2,2-Dichloropropane	6.01	77	998597	94.084	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	791280	92.532	ug/l	93
28) Bromochloromethane	6.43	49	499870	107.143	ug/l	99
29) Tetrahydrofuran	6.44	42	468672	529.060	ug/l	99
30) Chloroform	6.66	83	1362346	100.203	ug/l	97
31) Cyclohexane	6.94	56	1022187	102.043	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	1180843	98.883	ug/l	99
36) 1,1-Dichloropropene	7.14	75	989581	90.324	ug/l	99
37) Ethyl Acetate	6.17	43	414671	91.174	ug/l	97
38) Carbon Tetrachloride	7.10	117	1213095	95.855	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	1105632	96.804	ug/l	98
40) Benzene	7.45	78	2485898	93.778	ug/l	99
41) Methacrylonitrile	6.43	41	528776	103.156	ug/l	99
42) 1,2-Dichloroethane	7.57	62	835955	99.775	ug/l	98
43) Isopropyl Acetate	9.23	43	655427	100.280	ug/l #	98
44) Trichloroethene	8.53	130	1018657	100.874	ug/l	98
45) 1,2-Dichloropropane	8.93	63	646389	99.545	ug/l	98
46) Dibromomethane	9.05	93	463397	100.681	ug/l	95
47) Bromodichloromethane	9.37	83	1013768	98.535	ug/l	100
48) Methyl methacrylate	9.11	41	379602	105.038	ug/l	99
49) 1,4-Dioxane	9.07	88	89468	2236.633	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	1848341	480.270	ug/l	95
52) Toluene	10.51	92	1550542	94.426	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	907118	99.836	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	1066663	95.297	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	529479	97.797	ug/l	97
56) Ethyl methacrylate	11.04	69	596509	101.402	ug/l	99
57) 1,3-Dichloropropane	11.40	76	777529	95.117	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	1206498	452.700	ug/l	100
59) 2-Hexanone	11.53	43	1416061	487.555	ug/l	94
60) Dibromochloromethane	11.68	129	827960	96.075	ug/l	99
61) 1,2-Dibromoethane	11.80	107	617692	96.681	ug/l	98
64) Tetrachloroethene	11.26	164	737350	104.588	ug/l	97
65) Chlorobenzene	12.40	112	1699367	93.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	650947	89.870	ug/l	98
67) Ethyl Benzene	12.53	91	2382346	82.108	ug/l	99
68) m/p-Xylenes	12.66	106	1904433	177.700	ug/l	98
69) o-Xylene	13.05	106	957337	92.365	ug/l	94
70) Styrene	13.07	104	1637178	92.240	ug/l	97
71) Bromoform	13.23	173	486078	112.452	ug/l #	98
73) Isopropylbenzene	13.40	105	2714741	93.336	ug/l	96
74) N-amyl acetate	13.26	43	842715	107.201	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	582855	100.215	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	592964	102.251	ug/l	98
77) Bromobenzene	13.67	156	809856	95.038	ug/l	85
78) n-propylbenzene	13.78	91	3143017	91.864	ug/l	94
79) 2-Chlorotoluene	13.83	91	1694654	86.621	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	2000365	87.631	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	178605	99.511	ug/l	96
82) 4-Chlorotoluene	13.94	91	1746708	81.710	ug/l	95
83) tert-Butylbenzene	14.19	119	2462827	90.180	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	2076346	88.516	ug/l	97
85) sec-Butylbenzene	14.37	105	2736970	93.830	ug/l	96
86) p-Isopropyltoluene	14.48	119	2361829	87.767	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1411393	97.255	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1334842	92.861	ug/l	97
89) n-Butylbenzene	14.80	91	1929727	83.529	ug/l	97
90) Hexachloroethane	15.01	117	669534	96.388	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	1027560	86.345	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	82747	113.716	ug/l	63

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 07:00:37 2019
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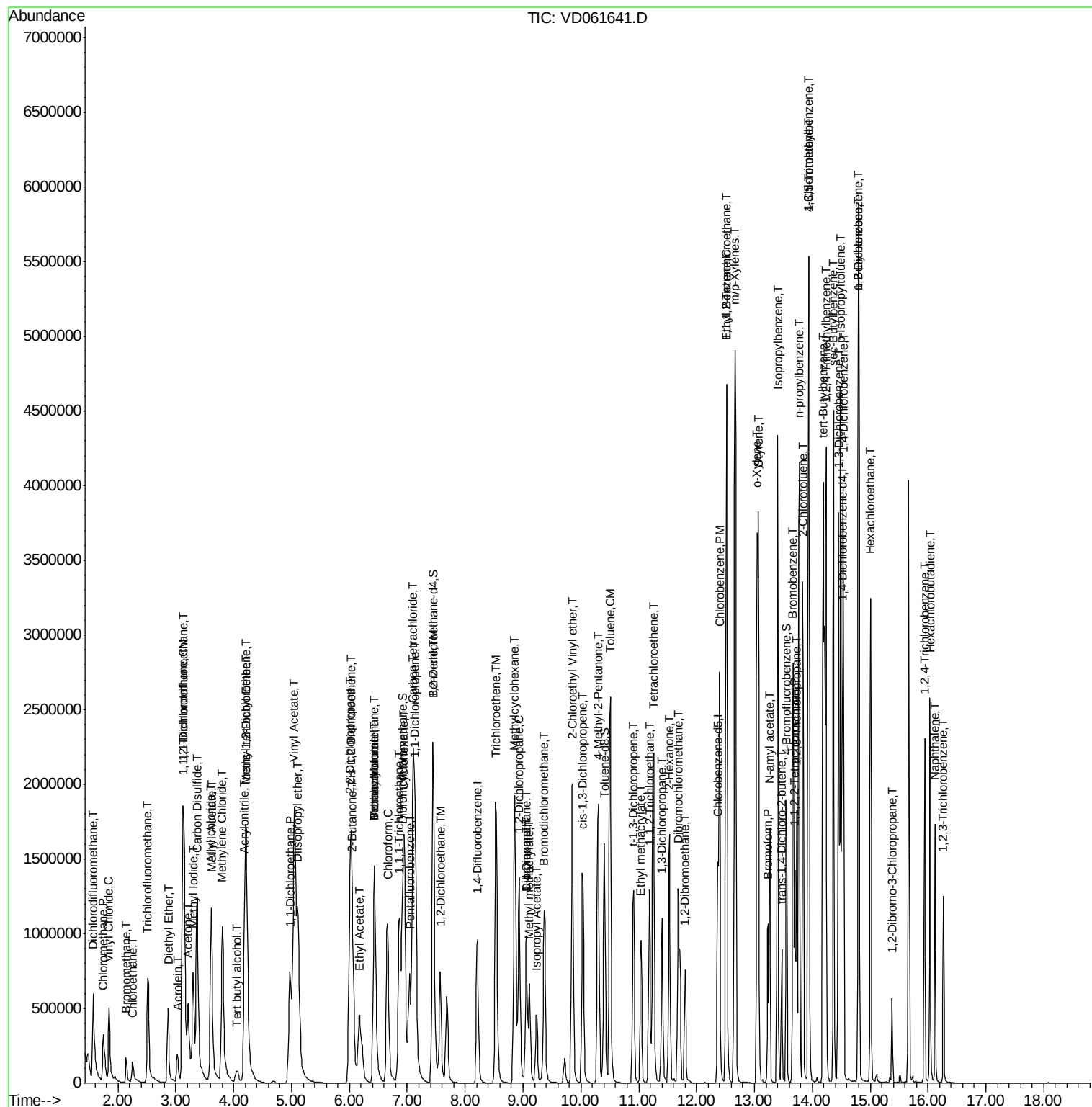
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	578455	96.080	ug/l	95
94) Hexachlorobutadiene	16.04	225	449489	97.027	ug/l	100
95) Naphthalene	16.12	128	1033349	108.830	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	292460	98.108	ug/l	99

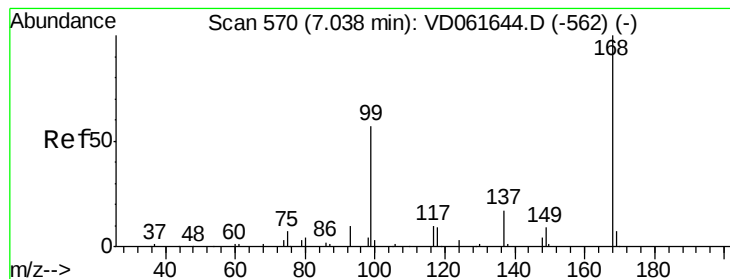
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040619\
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Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Apr 08 07:07:25 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

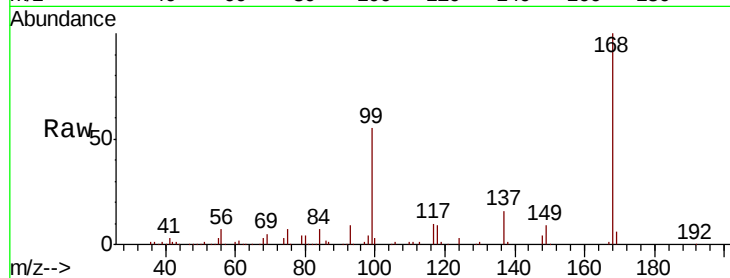
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 719961

Ion Ratio Lower Upper

168 100

99 54.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

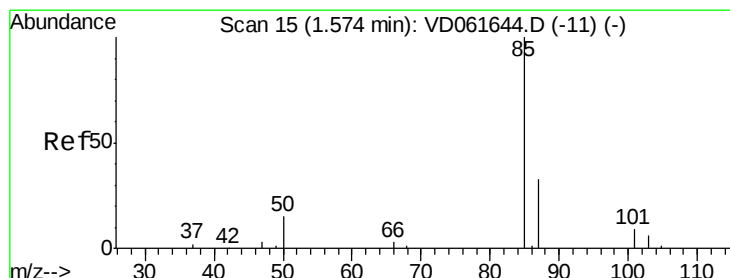
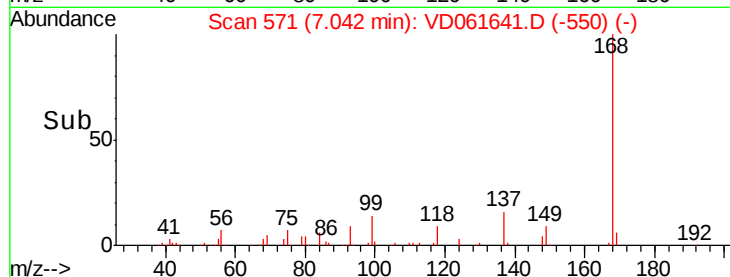
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 102.848 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061641.D

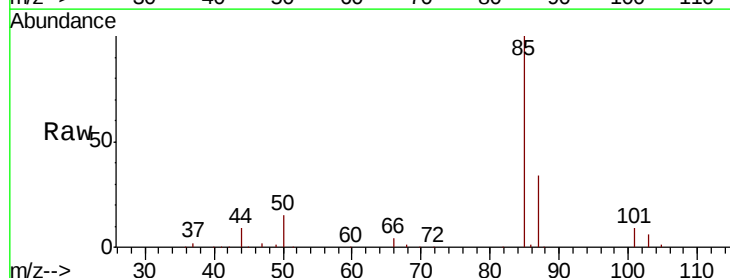
Acq: 6 Apr 2019 13:58

Tgt Ion: 85 Resp: 776961

Ion Ratio Lower Upper

85 100

87 33.7 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

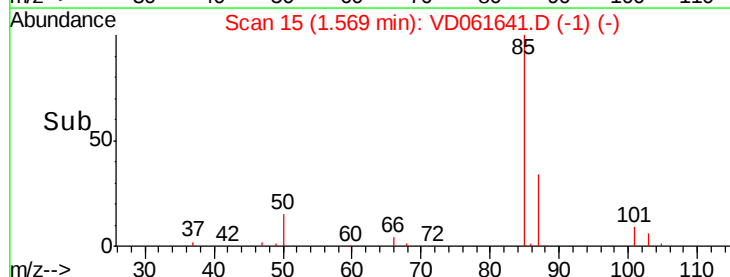
200000

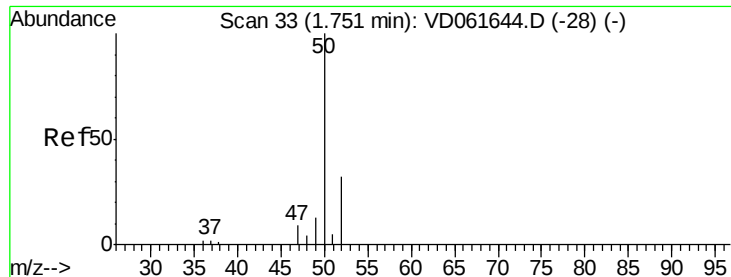
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 93.587 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

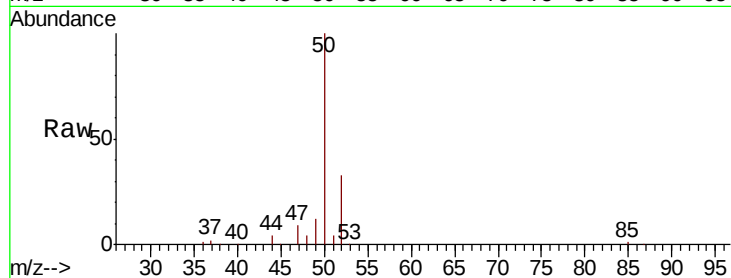
ClientSampleId :

Tot Ion: 50 Resp: 570495

Ion Ratio Lower Upper

50 100

52 33.5 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

200000

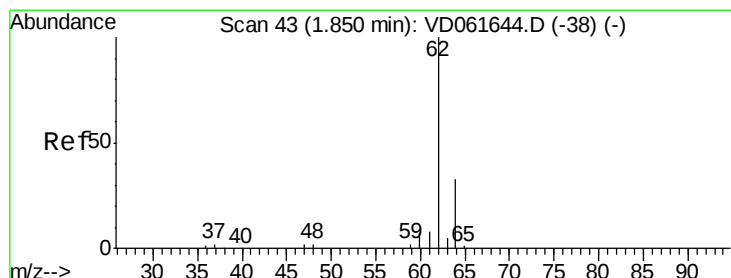
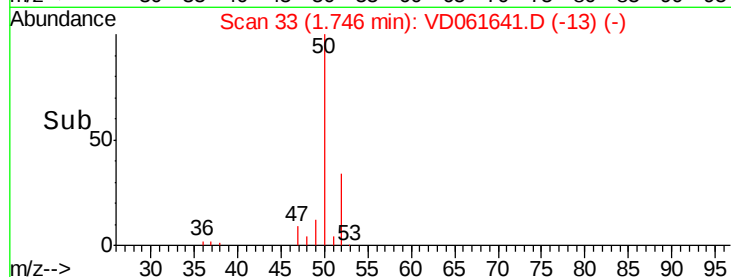
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 101.880 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061641.D

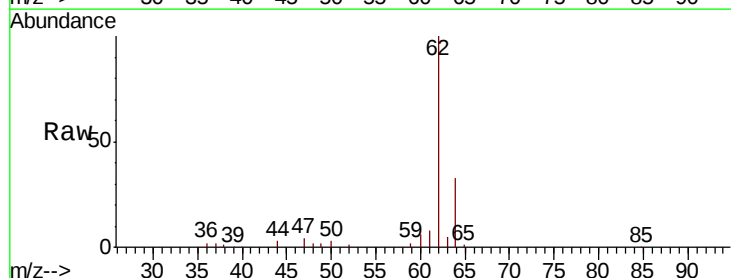
Acq: 6 Apr 2019 13:58

Tgt Ion: 62 Resp: 596574

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

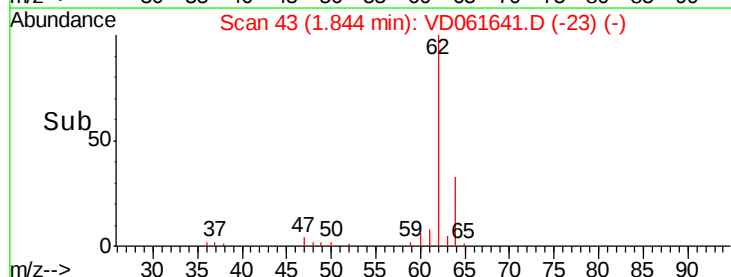
300000

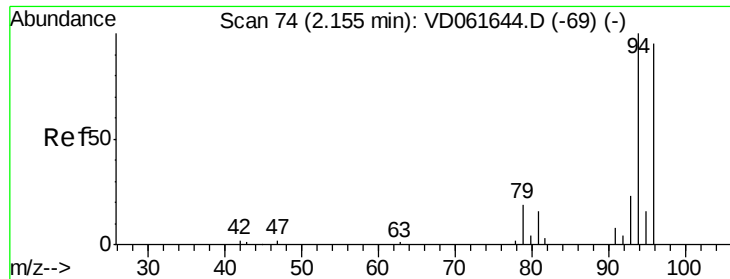
200000

100000

0

Time-->





#5

Bromomethane

Concen: 77.882 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

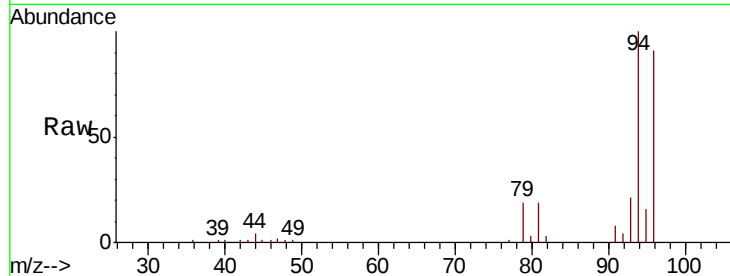
Tot Ion: 94 Resp: 102193

Ion Ratio Lower Upper

94 100

96 91.3 75.8 113.8

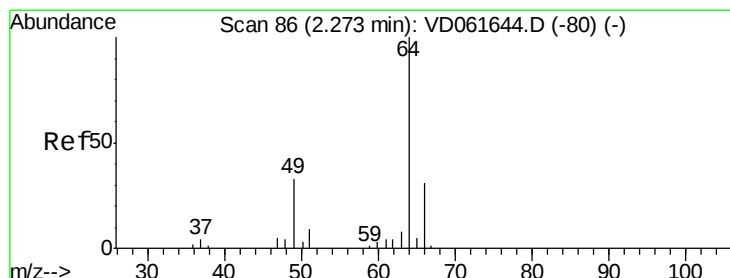
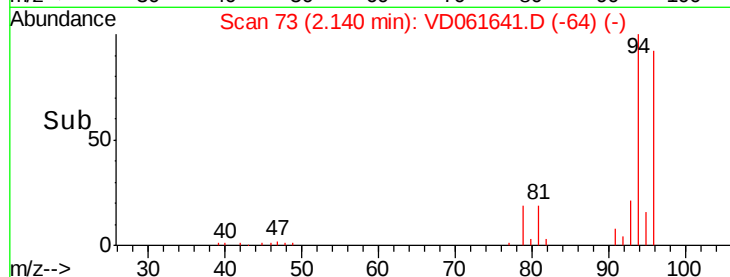
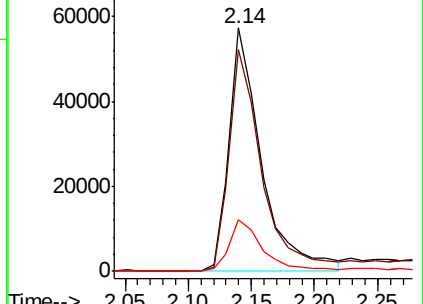
93 21.0 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 84.845 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD061641.D

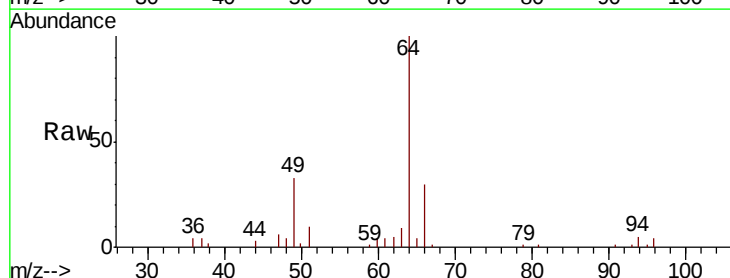
Acq: 6 Apr 2019 13:58

Tgt Ion: 64 Resp: 156101

Ion Ratio Lower Upper

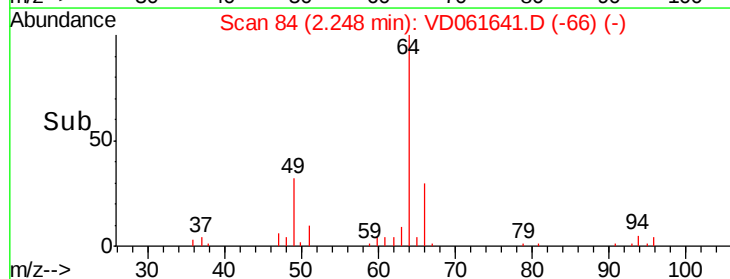
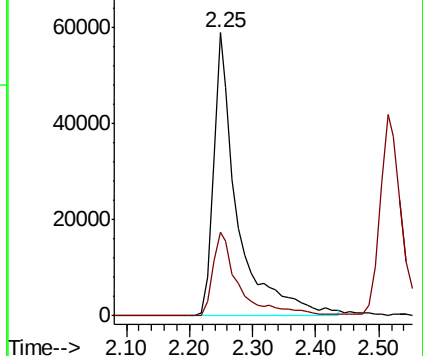
64 100

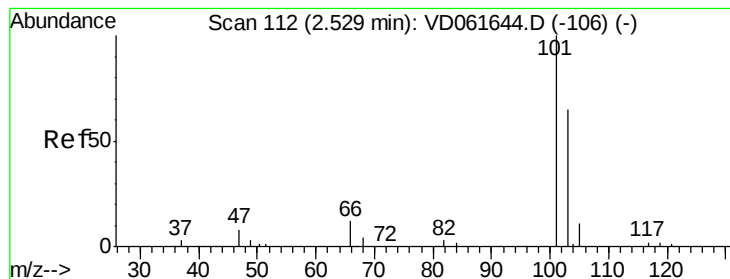
66 29.6 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



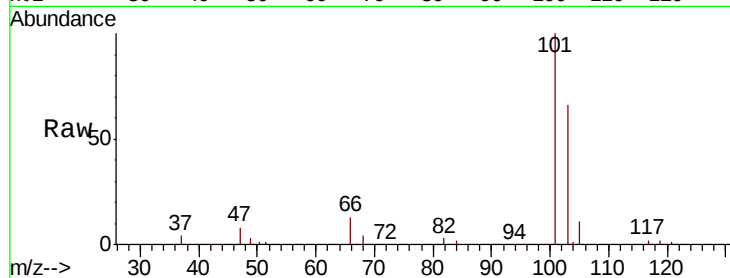


#7

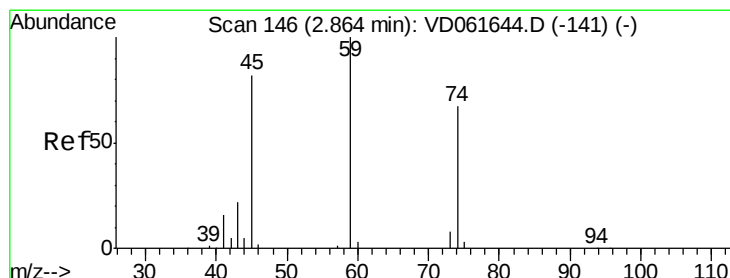
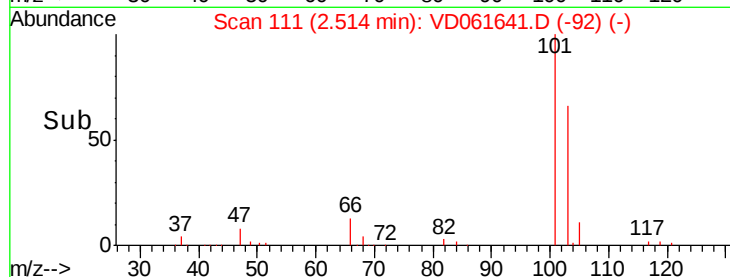
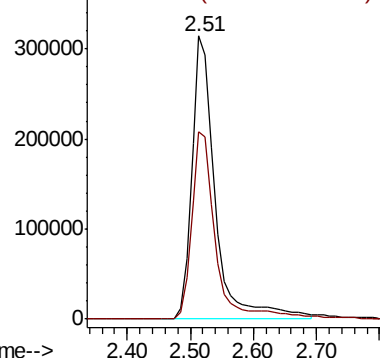
Trichlorofluoromethane
 Concen: 94.961 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Instrument :
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Tot Ion:101 Resp: 818386
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.0 78.0



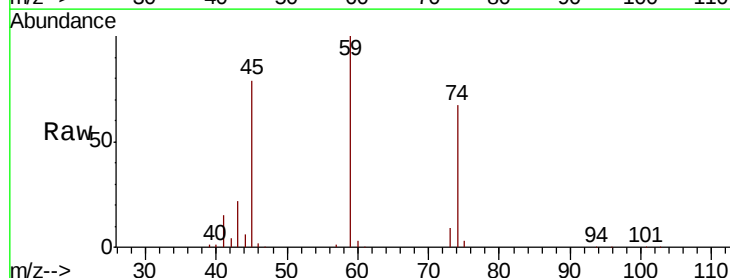
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



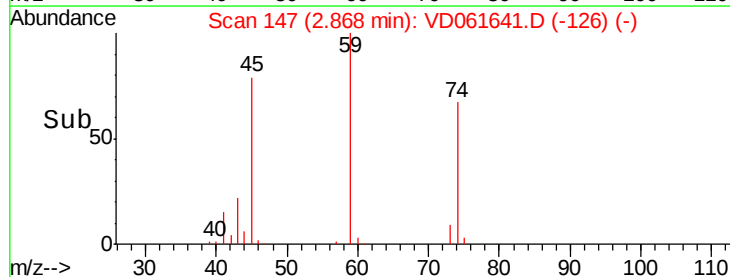
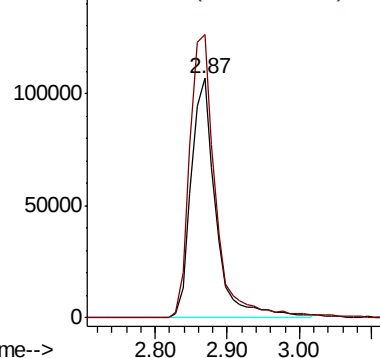
#8

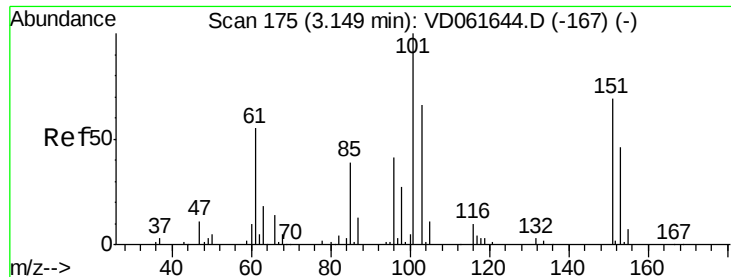
Diethyl Ether
 Concen: 101.416 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061641.D
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Tgt Ion: 74 Resp: 253137
 Ion Ratio Lower Upper
 74 100
 45 118.3 61.0 183.0



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: 95.508 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

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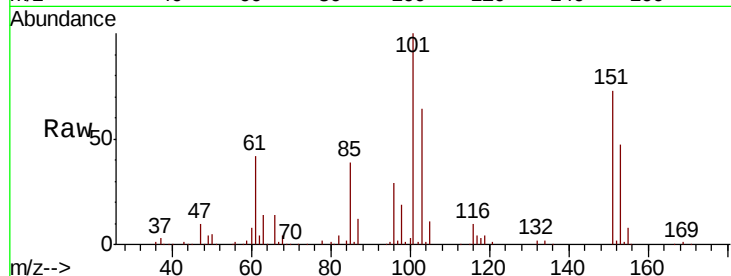
Tot Ion:101 Resp: 819430

Ion Ratio Lower Upper

101 100

85 39.2 31.0 46.6

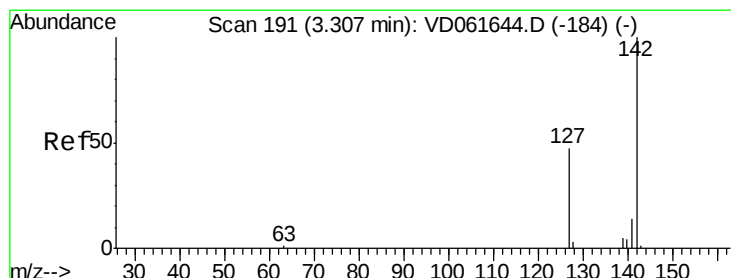
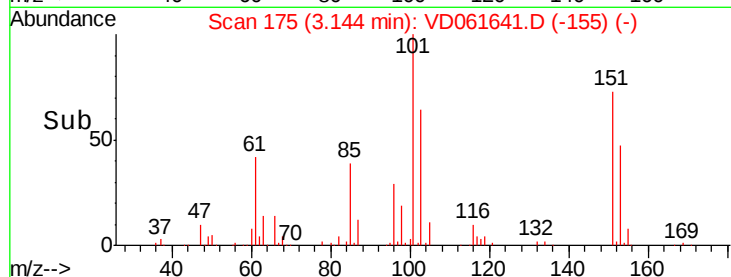
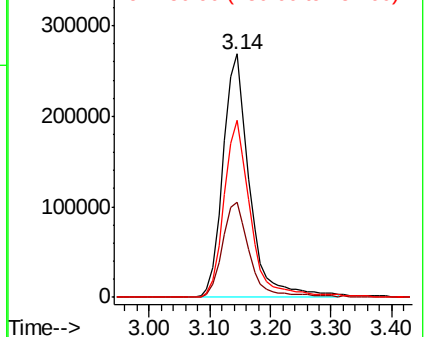
151 72.8 55.3 82.9



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: 122.383 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

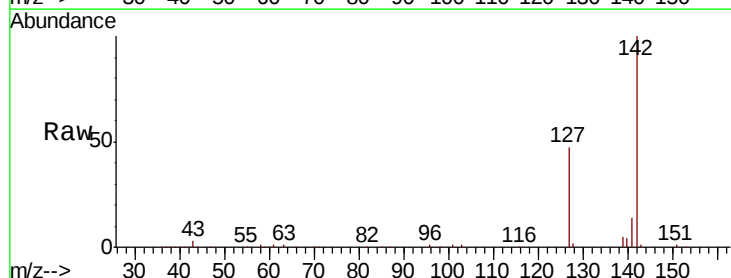
Tgt Ion:142 Resp: 1351445

Ion Ratio Lower Upper

142 100

127 47.4 37.2 55.8

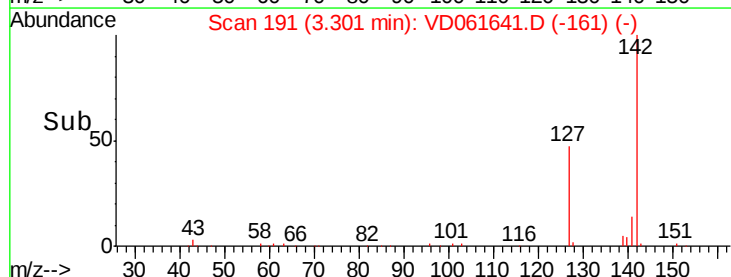
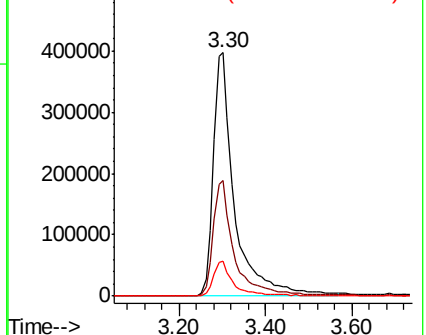
141 14.2 10.8 16.2

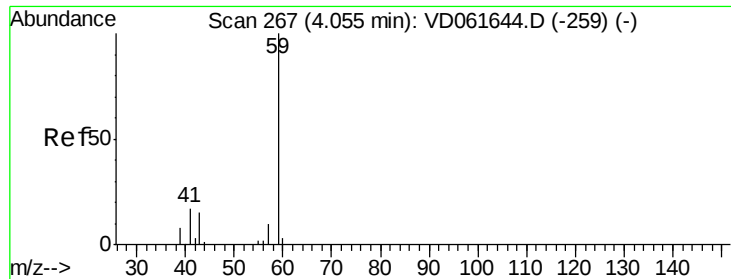


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

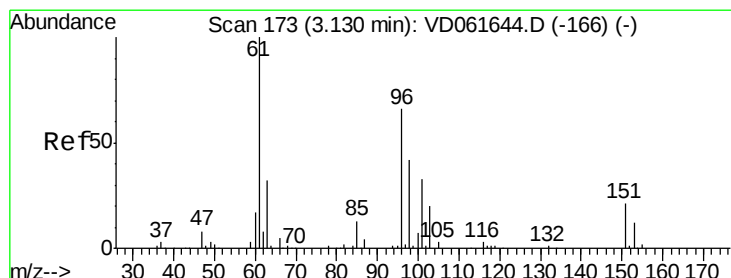
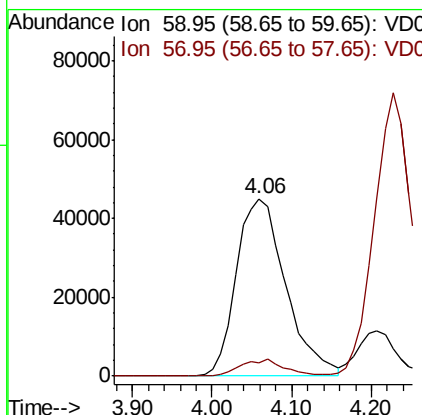
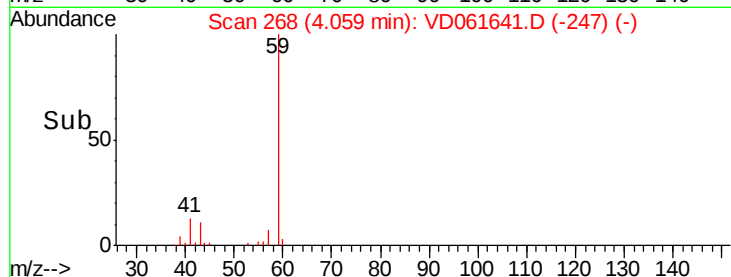
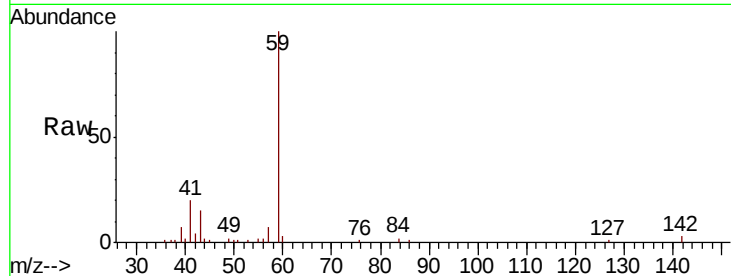




#11
Tert butyl alcohol
Concen: 527.183 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

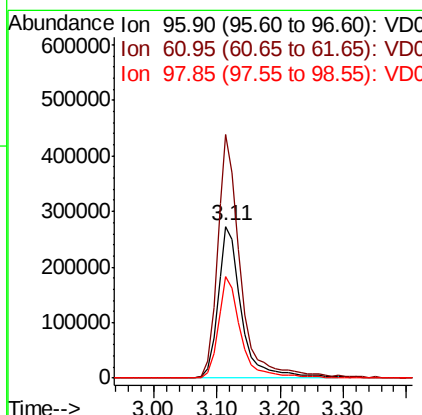
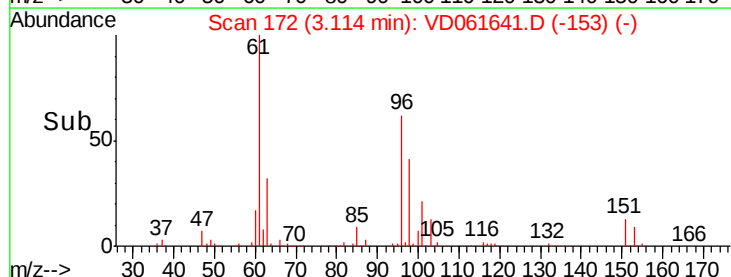
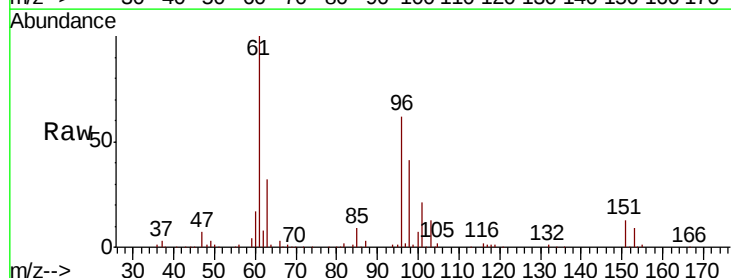
Instrument :
MSVOA_D
ClientSampleId :

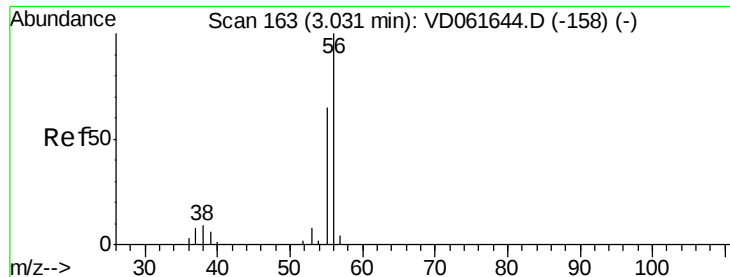
Tot Ion: 59 Resp: 193163
Ion Ratio Lower Upper
59 100
57 7.3 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 94.921 ug/l
RT: 3.11 min Scan# 172
Delta R.T. -0.02 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 96 Resp: 706300
Ion Ratio Lower Upper
96 100
61 160.2 121.3 181.9
98 66.5 50.6 76.0

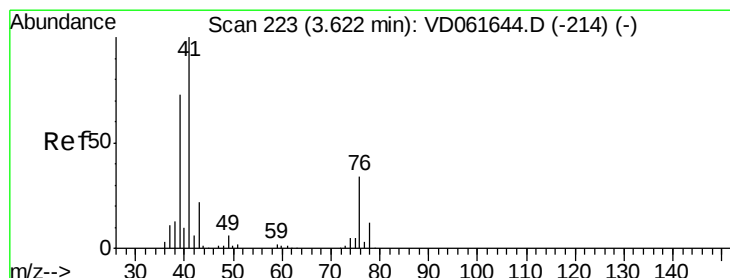
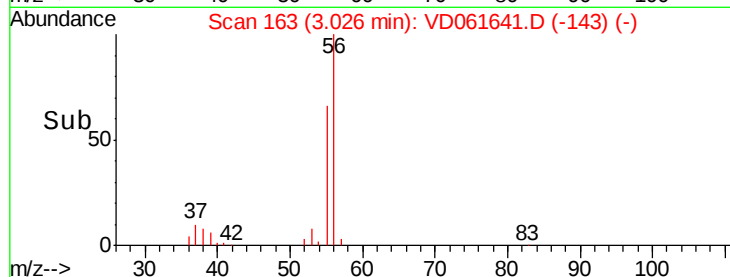
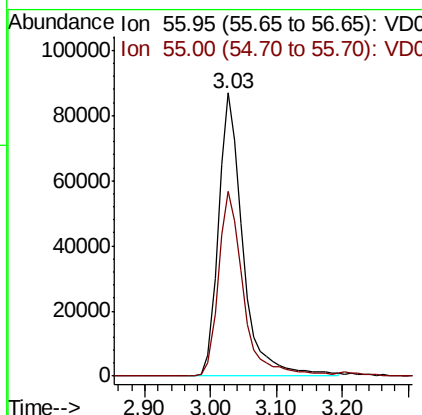
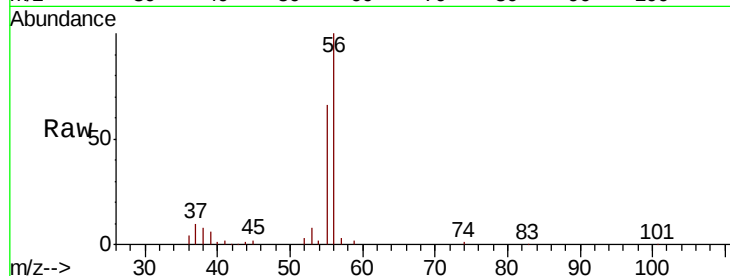




#13
Acrolein
Concen: 508.618 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

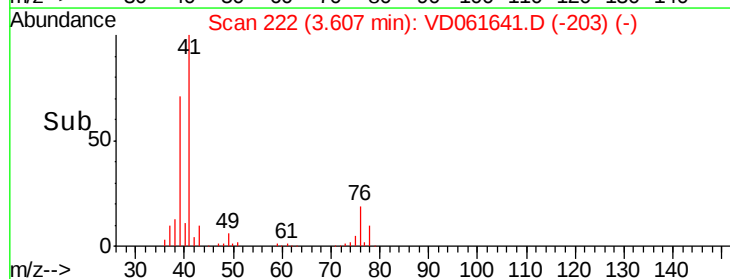
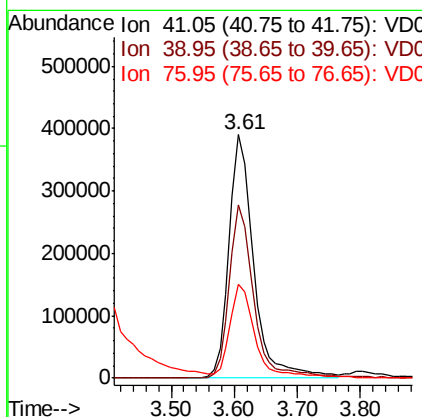
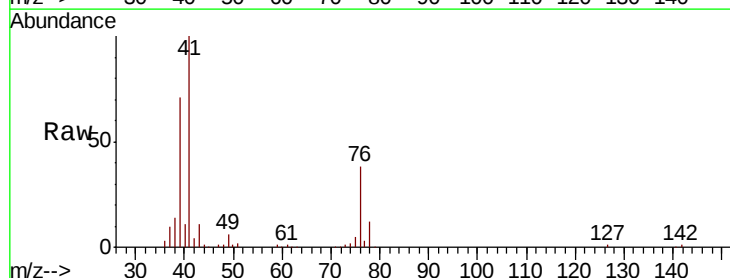
Instrument :
MSVOA_D
ClientSampleId :

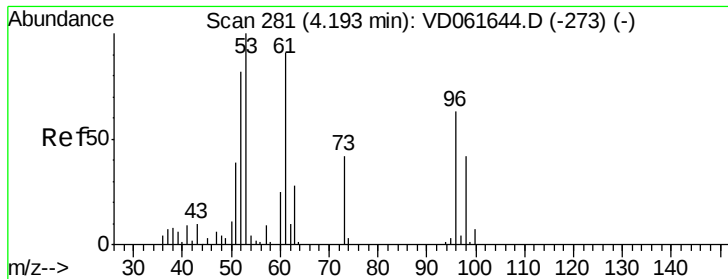
Tot Ion: 56 Resp: 223853
Ion Ratio Lower Upper
56 100
55 65.5 51.8 77.6



#14
Allyl chloride
Concen: 102.892 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 41 Resp: 1063482
Ion Ratio Lower Upper
41 100
39 71.1 58.2 87.4
76 38.5 29.8 44.6





#15

Acrylonitrile

Concen: 500.709 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampled :

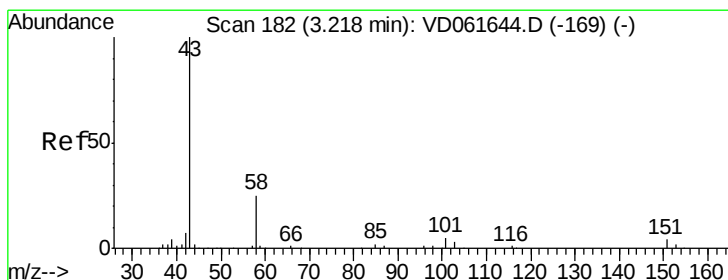
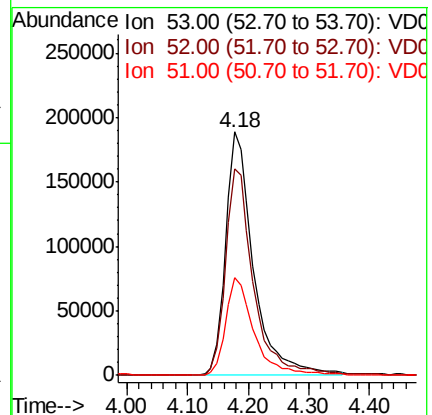
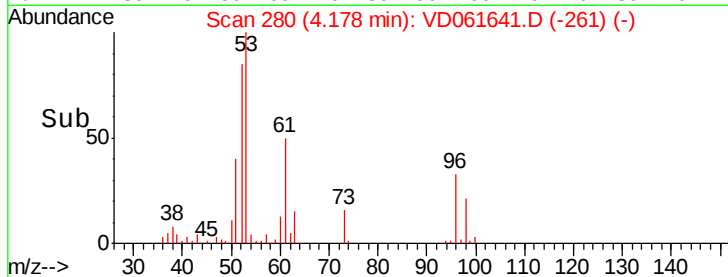
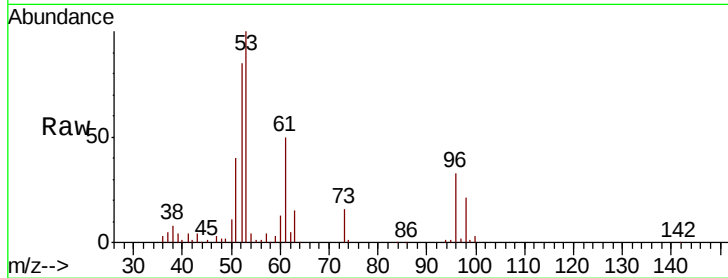
Tot Ion: 53 Resp: 604524

Ion Ratio Lower Upper

53 100

52 85.0 65.9 98.9

51 40.4 31.4 47.2



#16

Acetone

Concen: 551.682 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061641.D

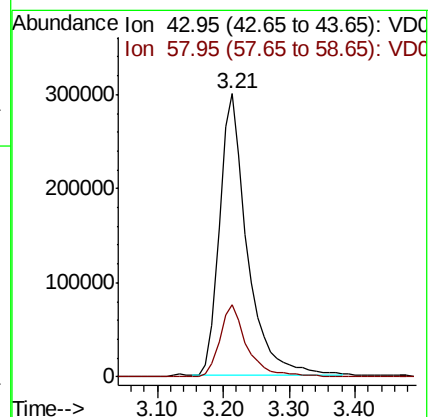
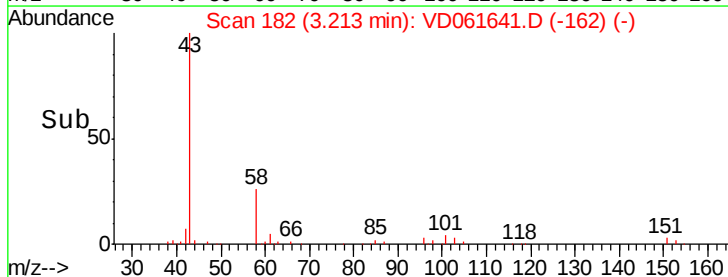
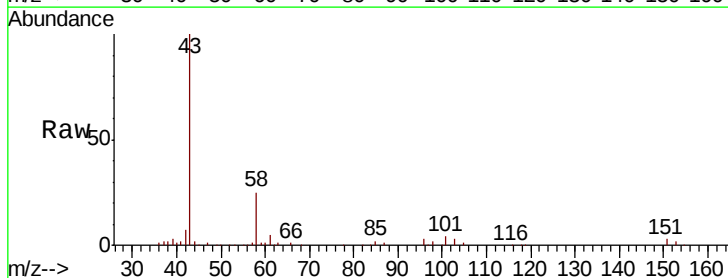
Acq: 6 Apr 2019 13:58

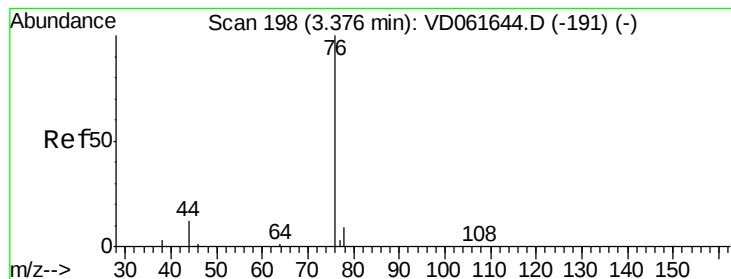
Tgt Ion: 43 Resp: 873189

Ion Ratio Lower Upper

43 100

58 25.4 19.7 29.5





#17

Carbon Disulfide

Concen: 99.386 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

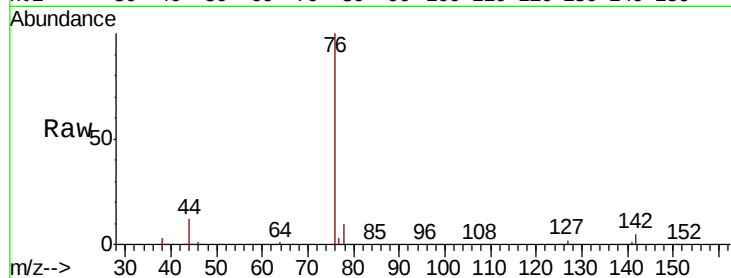
ClientSampled :

Tot Ion: 76 Resp: 2404452

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

800000

600000

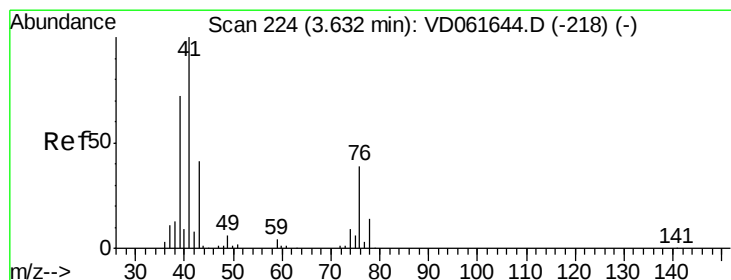
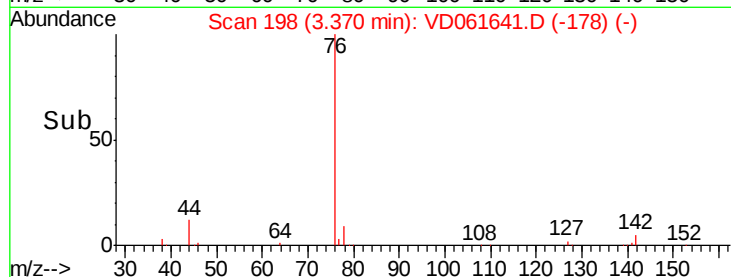
400000

200000

0

Time-->

3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 95.592 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061641.D

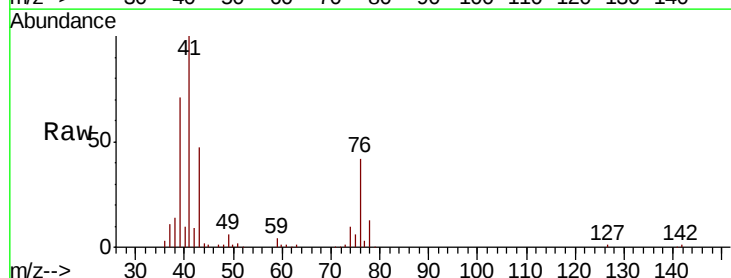
Acq: 6 Apr 2019 13:58

Tgt Ion: 43 Resp: 294077

Ion Ratio Lower Upper

43 100

74 20.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

120000

100000

80000

60000

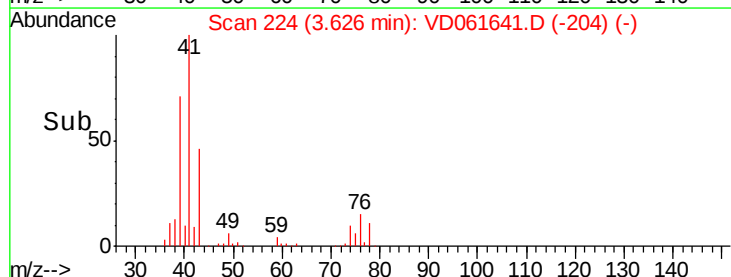
40000

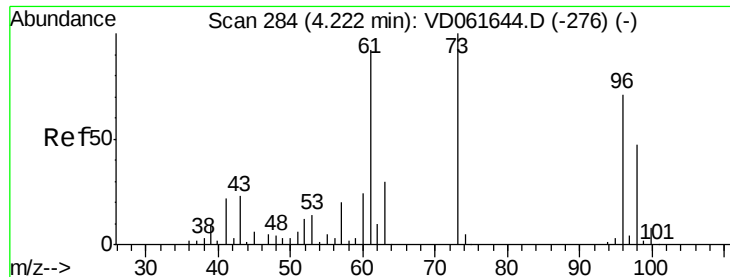
20000

0

Time-->

3.50 3.60 3.70 3.80

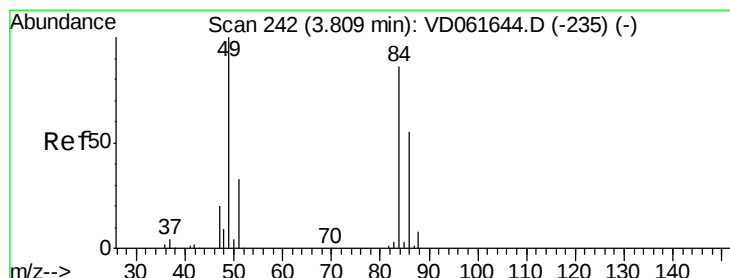
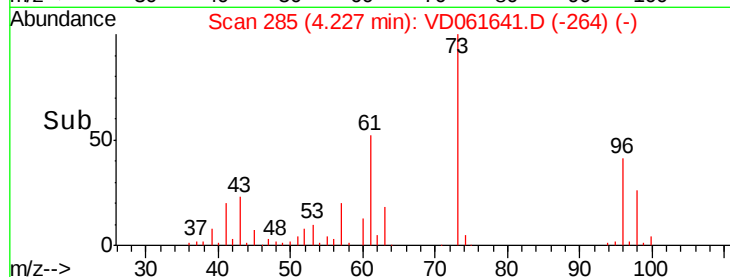
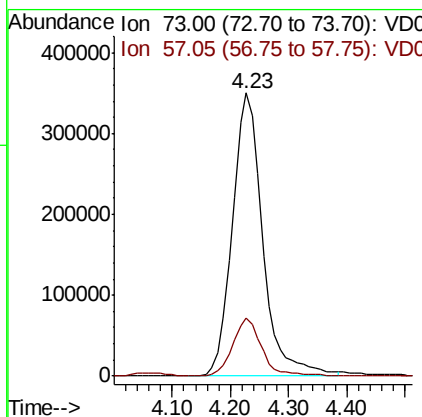
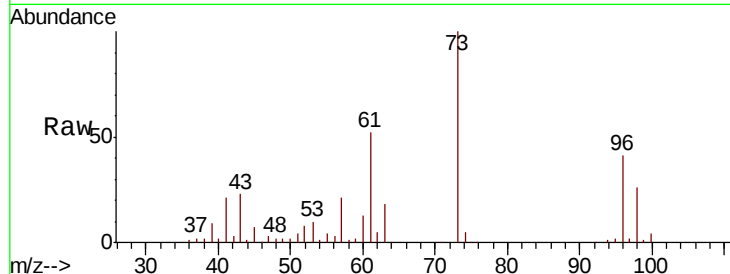




#19
Methvl tert-butvl Ether
Concen: 99.680 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

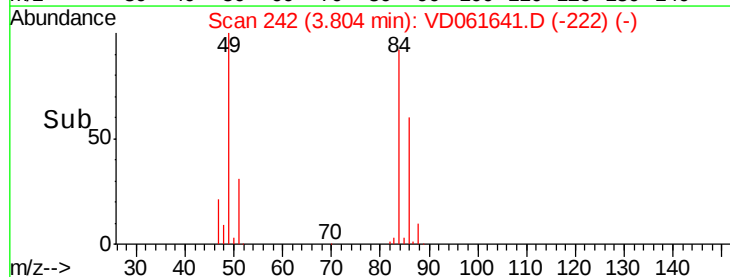
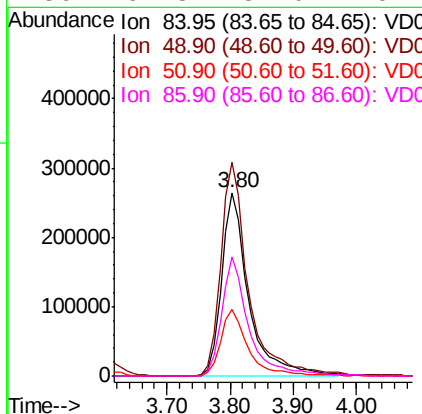
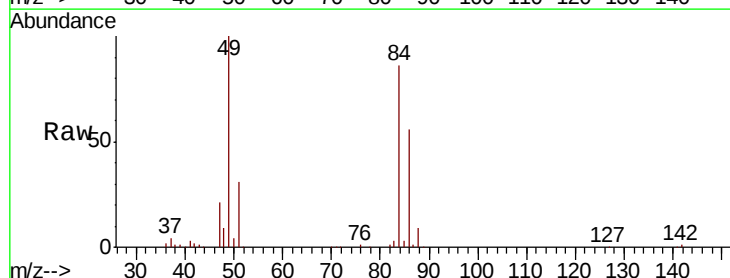
Instrument :
MSVOA_D
ClientSampleId :

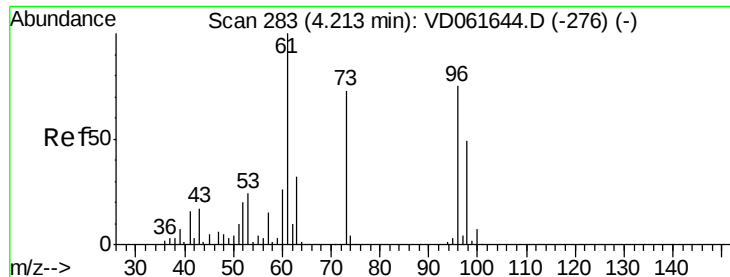
Tot Ion: 73 Resp: 1270962
Ion Ratio Lower Upper
73 100
57 20.5 16.0 24.0



#20
Methylene Chloride
Concen: 87.036 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 84 Resp: 787008
Ion Ratio Lower Upper
84 100
49 116.5 93.0 139.4
51 36.0 30.4 45.6
86 64.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 95.205 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :

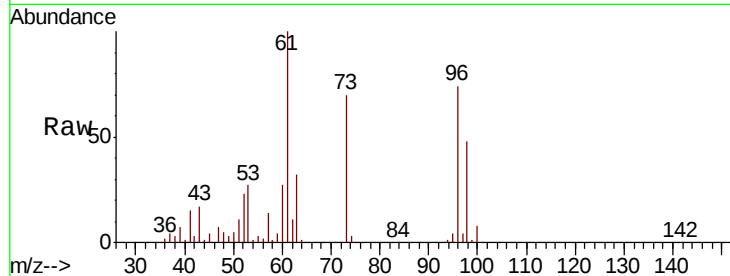
Tot Ion: 96 Resp: 763941

Ion Ratio Lower Upper

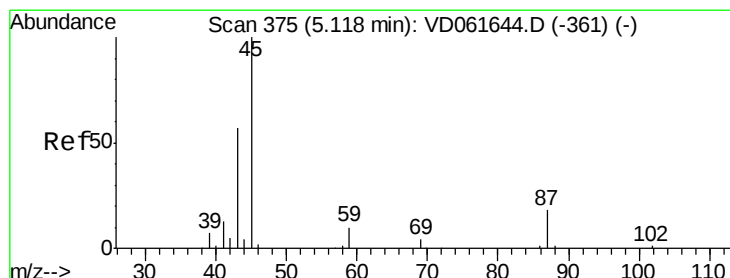
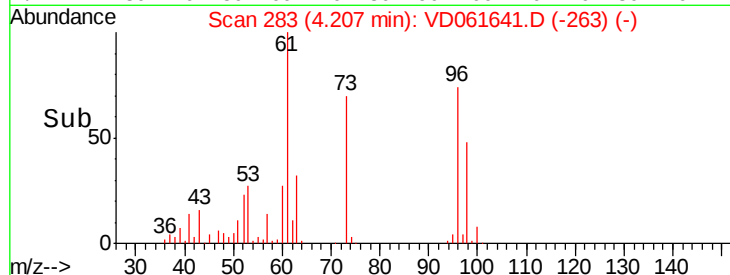
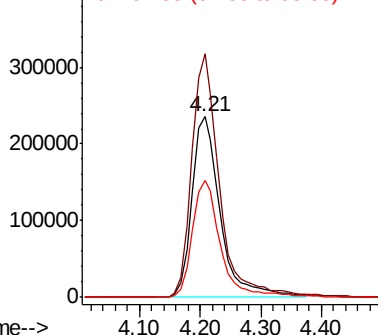
96 100

61 134.8 106.8 160.2

98 64.4 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: 95.663 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Tgt Ion: 45 Resp: 2027906

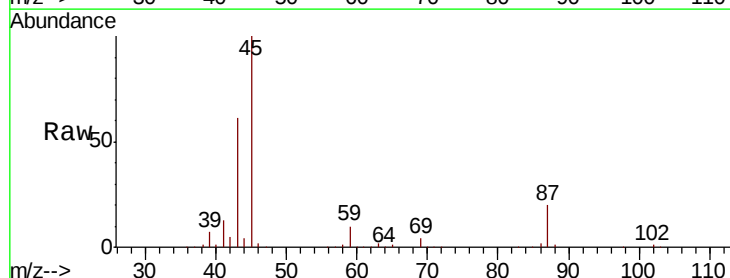
Ion Ratio Lower Upper

45 100

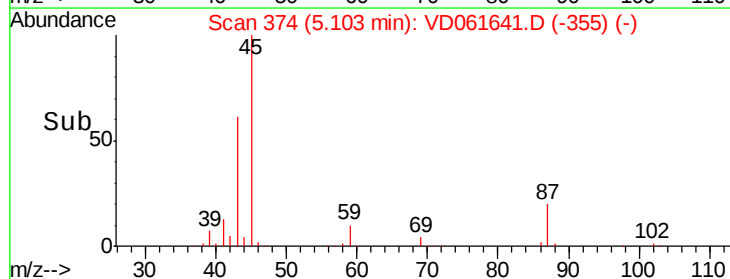
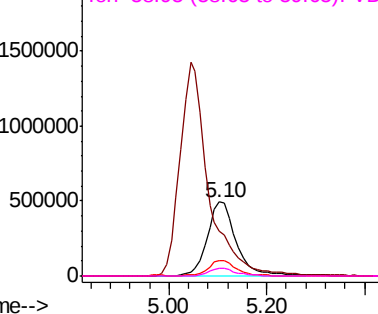
43 61.3 46.6 70.0

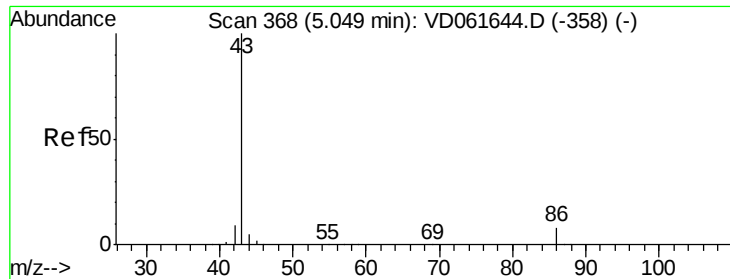
87 19.9 15.6 23.4

59 9.7 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: 491.396 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

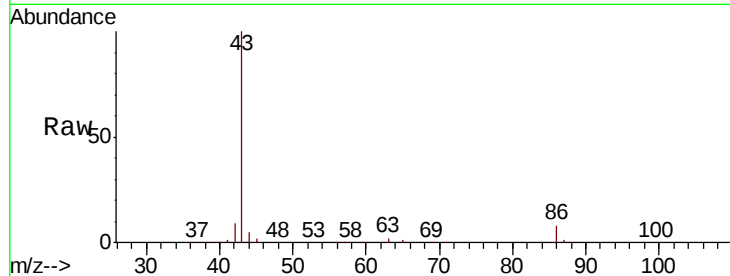
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 5757990

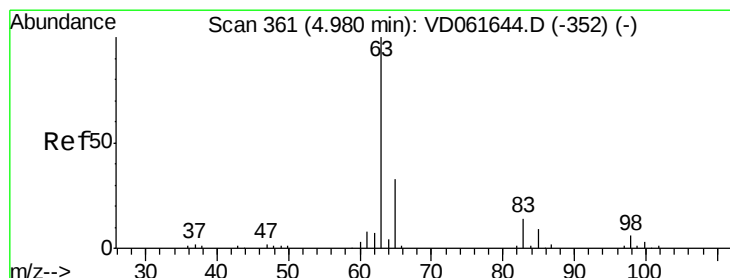
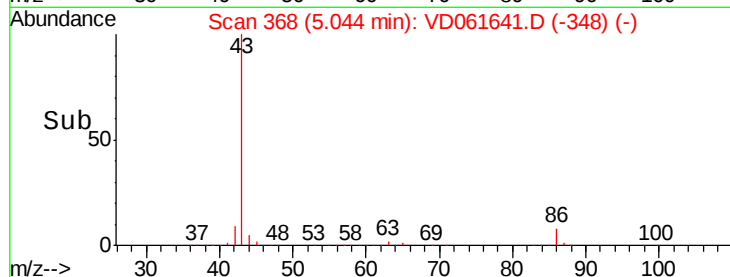
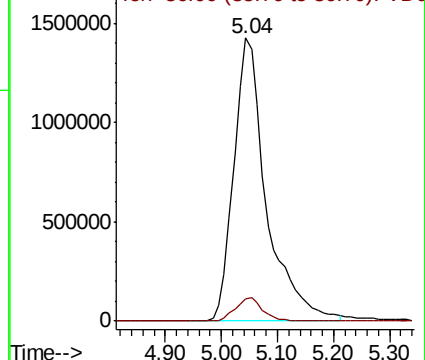
Ion Ratio Lower Upper

43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 101.693 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

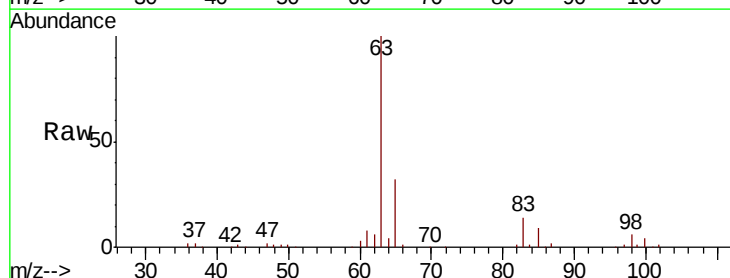
Tgt Ion: 63 Resp: 1328514

Ion Ratio Lower Upper

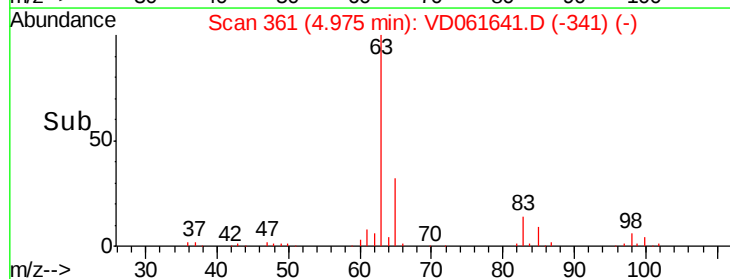
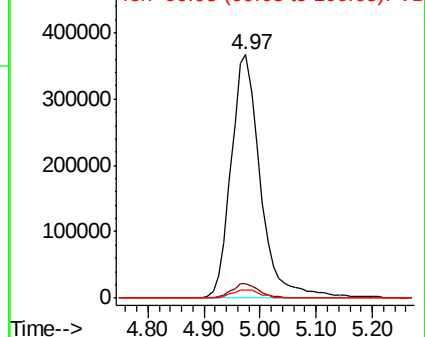
63 100

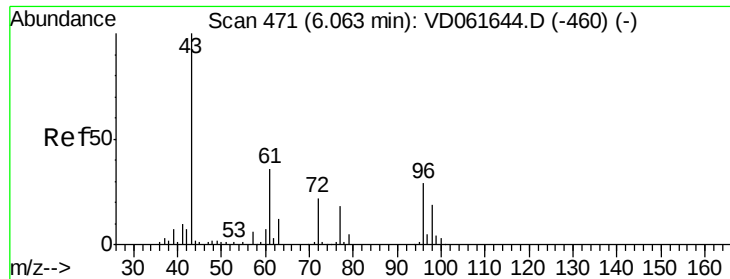
98 5.9 2.9 8.6

100 3.5 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC

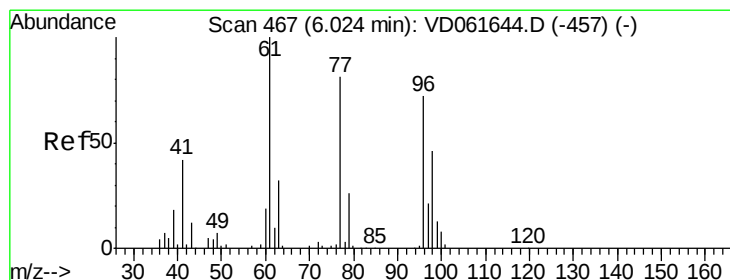
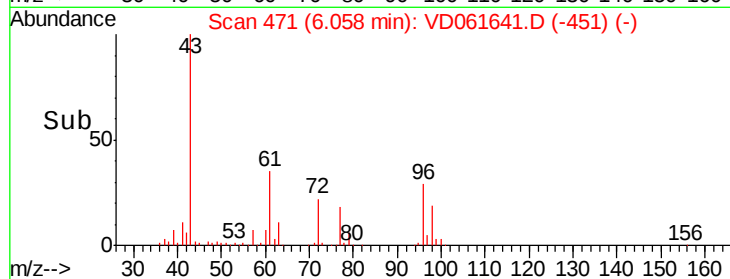
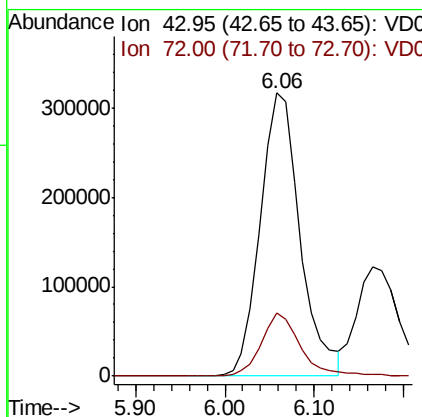
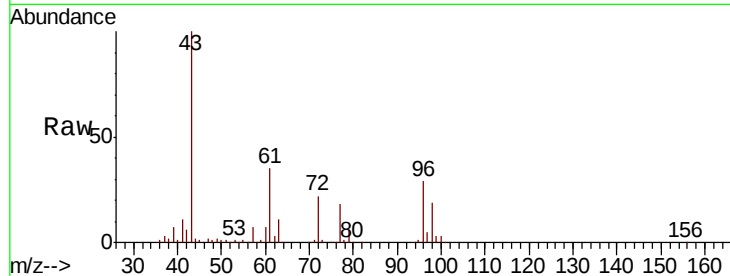




#25
 2-Butanone
 Concen: 530.240 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

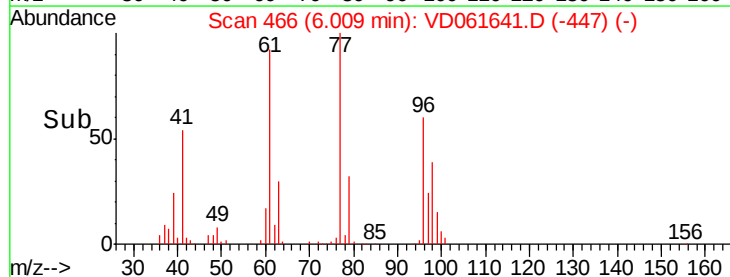
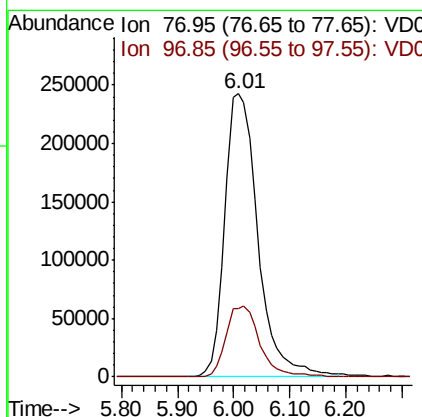
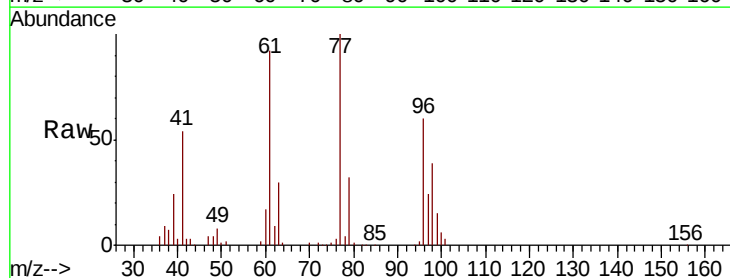
Instrument :
 MSVOA_D
 ClientSampleId :

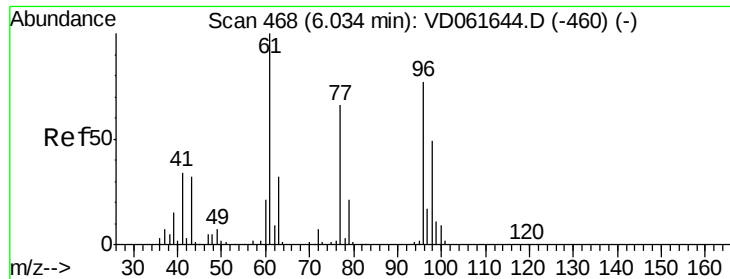
Tot Ion: 43 Resp: 980807
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.4 26.2



#26
 2,2-Dichloropropane
 Concen: 94.084 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion: 77 Resp: 998597
 Ion Ratio Lower Upper
 77 100
 97 24.1 12.7 38.0



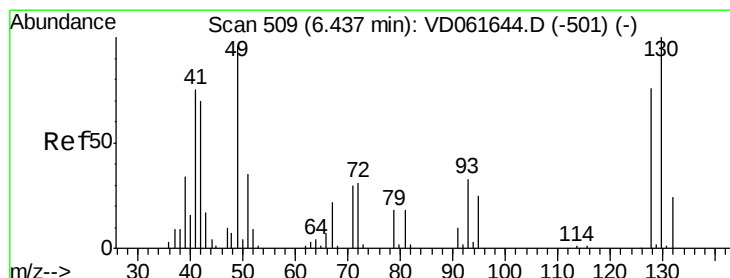
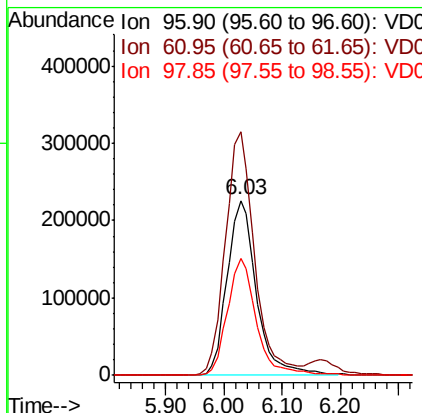
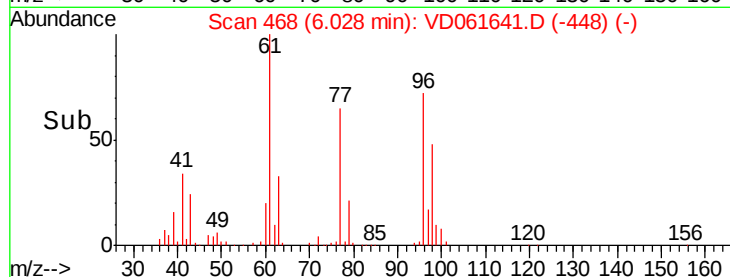
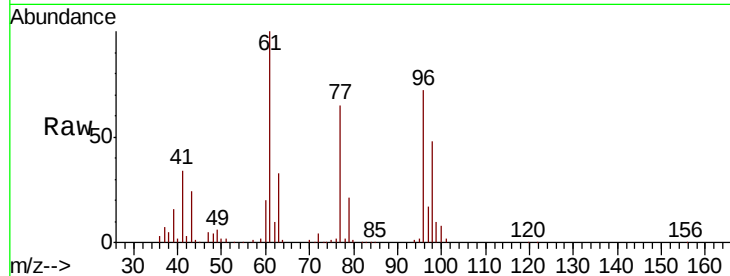


#27

cis-1,2-Dichloroethene
 Concen: 92.532 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampled :

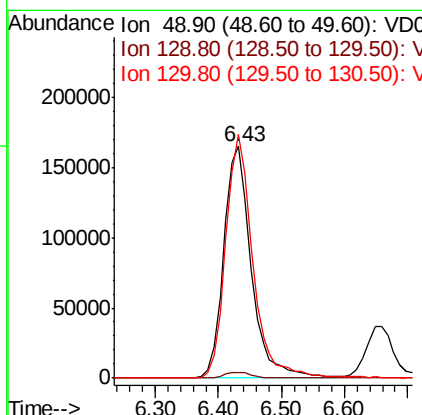
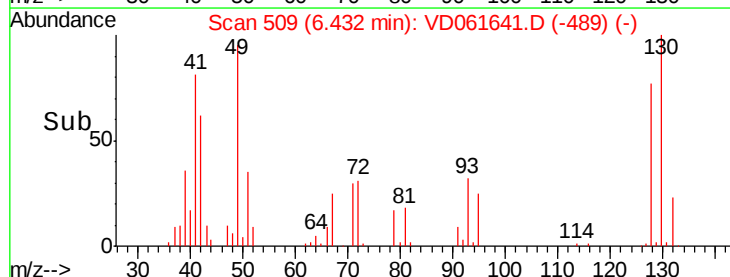
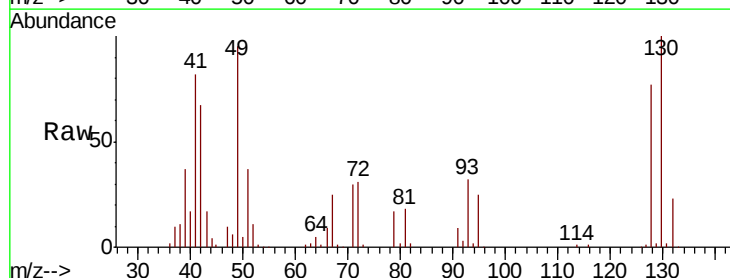
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	259.8
98	67.3	0.0	127.6

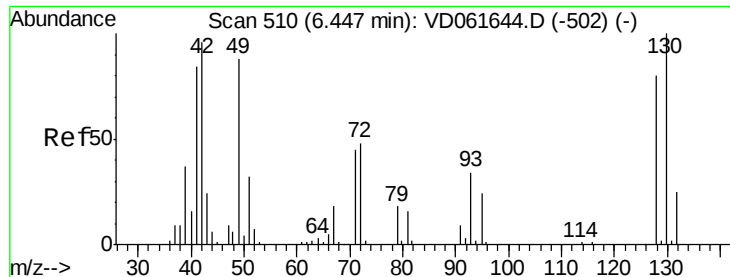


#28

Bromochloromethane
 Concen: 107.143 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	105.1	83.3	124.9

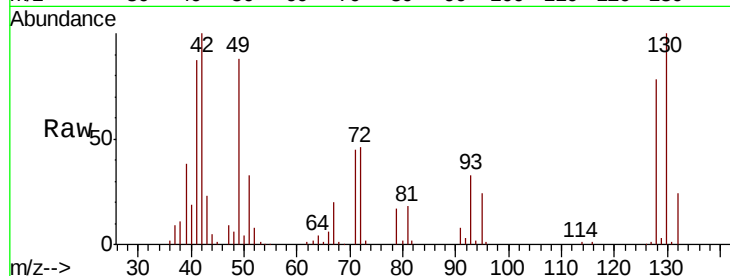




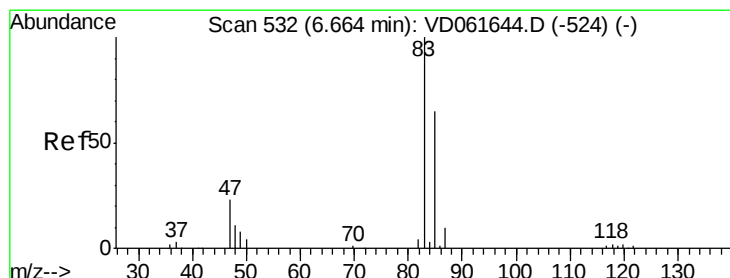
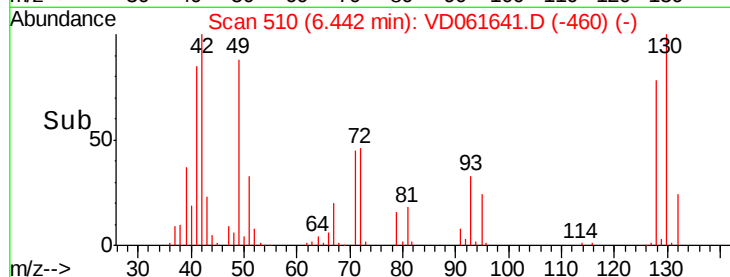
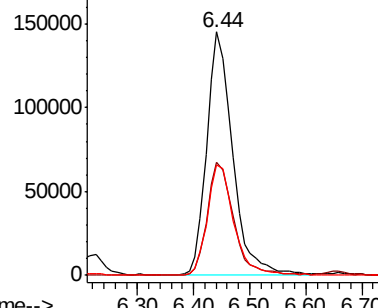
#29
Tetrahydrofuran
Concen: 529.060 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 468672
Ion Ratio Lower Upper
42 100
72 47.0 37.0 55.6
71 46.4 36.5 54.7

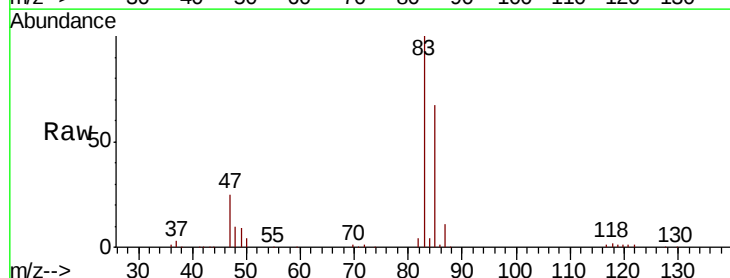


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

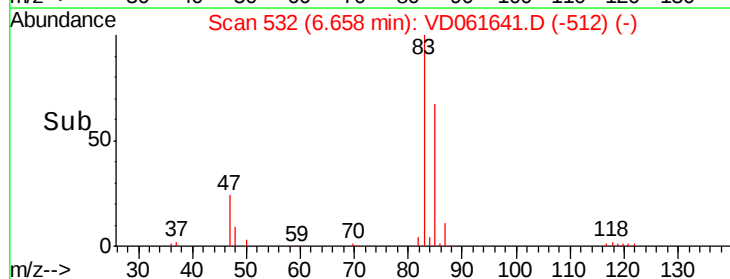
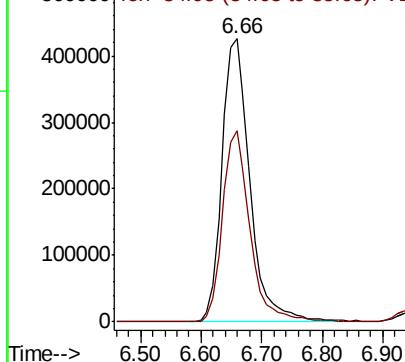


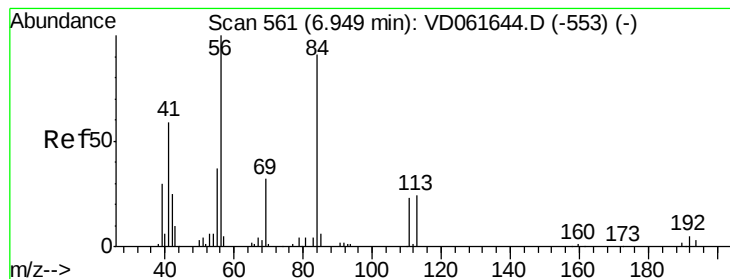
#30
Chloroform
Concen: 100.203 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 83 Resp: 1362346
Ion Ratio Lower Upper
83 100
85 67.5 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: 102.043 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.01 min

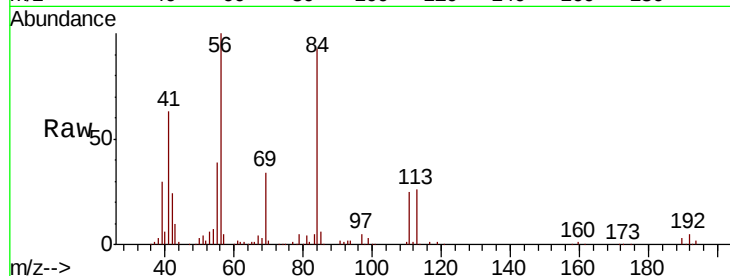
Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

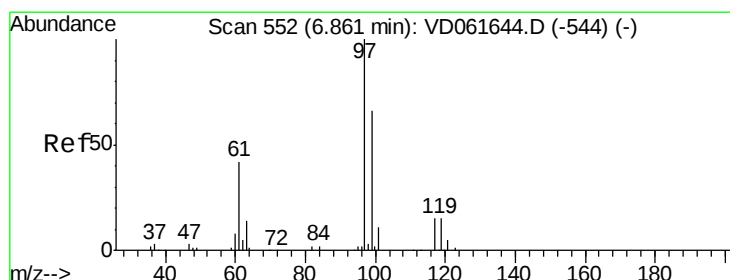
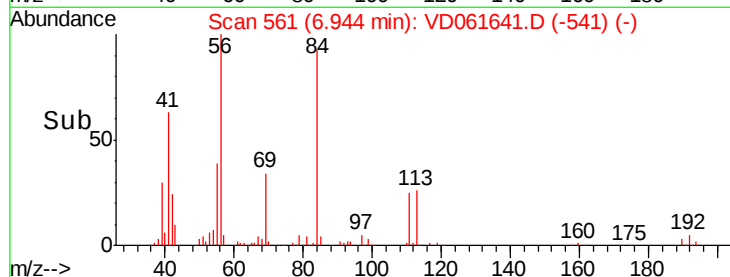
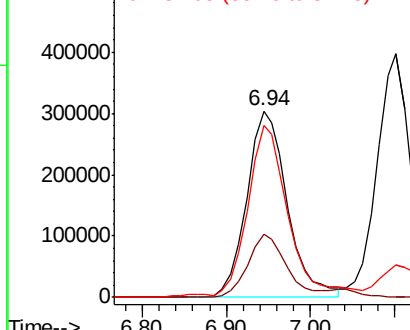
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 1022187

Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.8	38.6
84	92.5	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: 98.883 ug/l

RT: 6.87 min Scan# 553

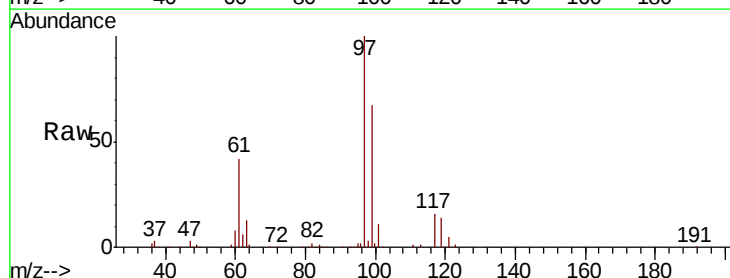
Delta R.T. 0.00 min

Lab File: VD061641.D

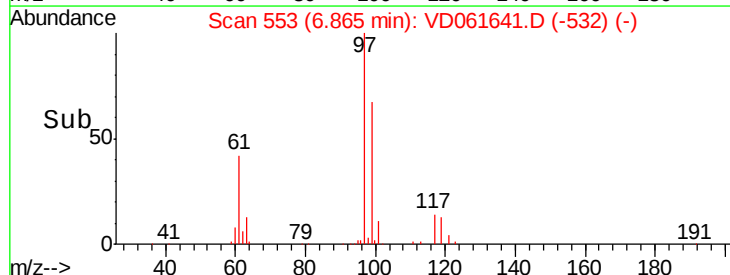
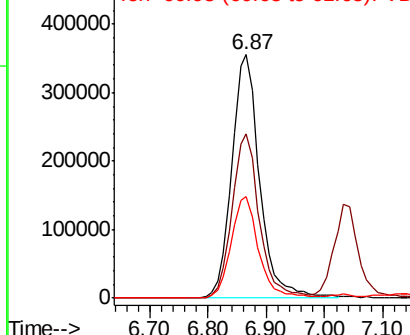
Acq: 6 Apr 2019 13:58

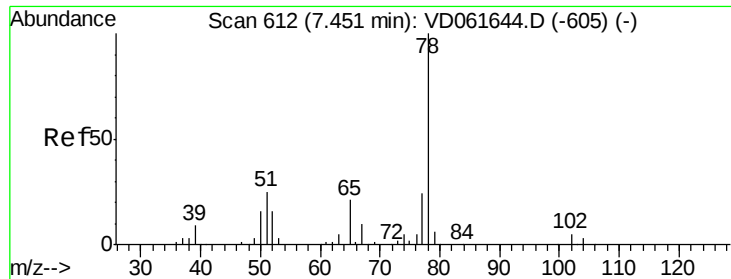
Tgt Ion: 97 Resp: 1180843

Ion	Ratio	Lower	Upper
97	100		
99	67.3	52.5	78.7
61	41.8	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: 98.883 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

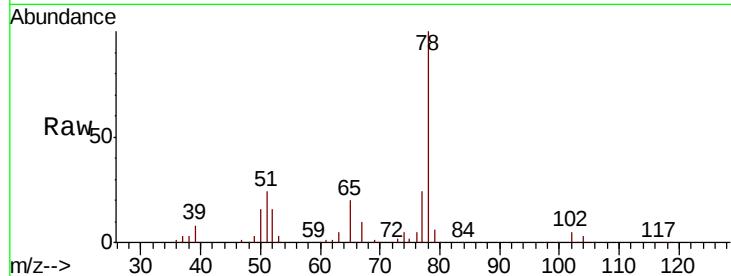
ClientSampleId :

Tot Ion: 65 Resp: 441569

Ion Ratio Lower Upper

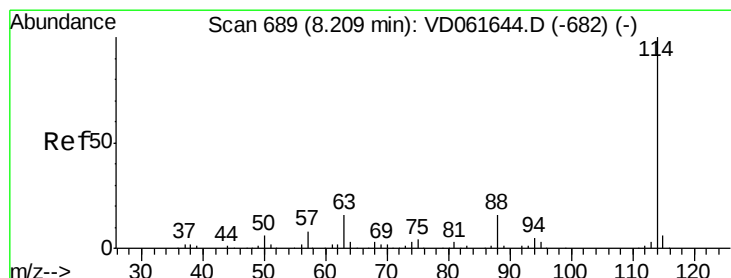
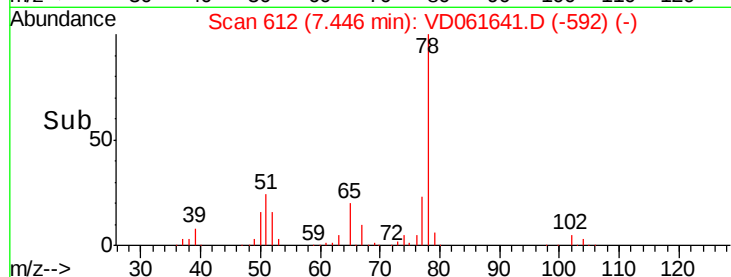
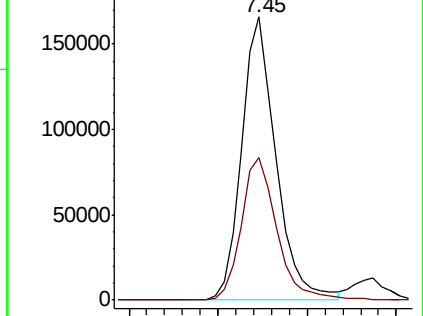
65 100

67 50.5 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

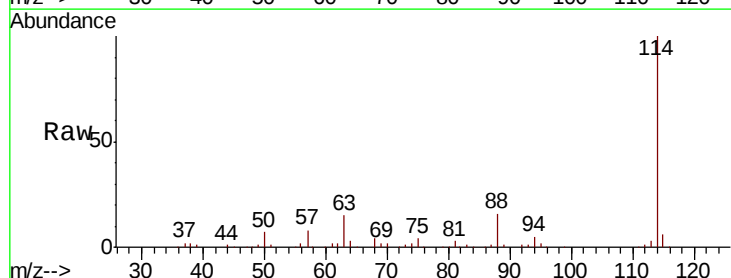
Tgt Ion: 114 Resp: 1225385

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.2

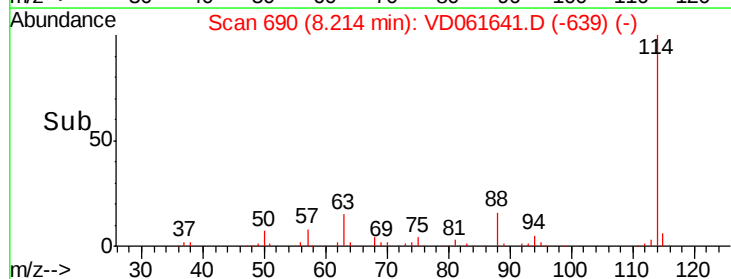
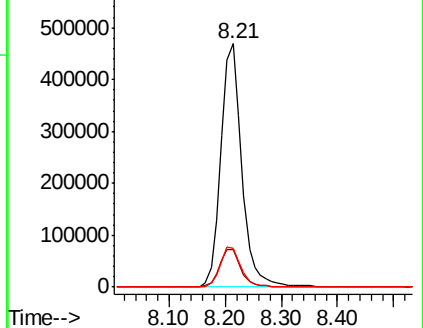
88 16.0 0.0 31.8

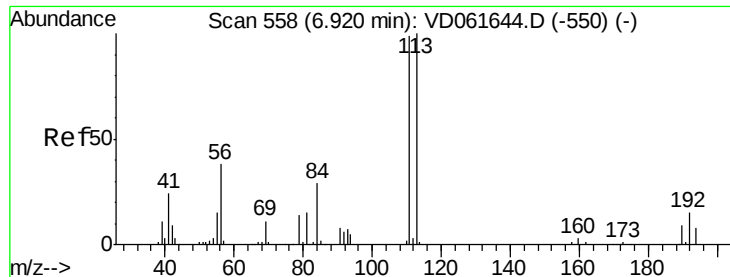


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

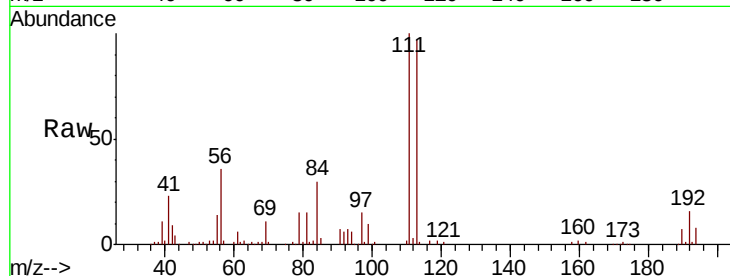
Tot Ion:113 Resp: 688102

Ion Ratio Lower Upper

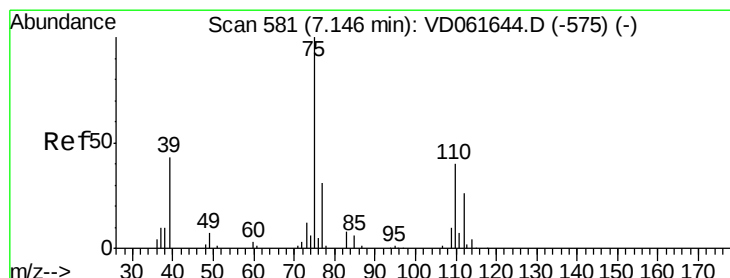
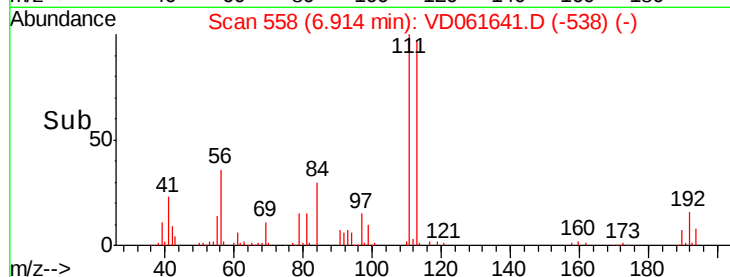
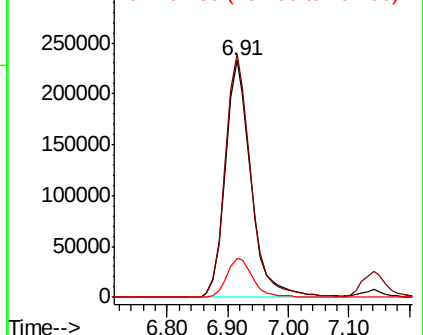
113 100

111 102.8 79.3 118.9

192 16.4 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: 90.324 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

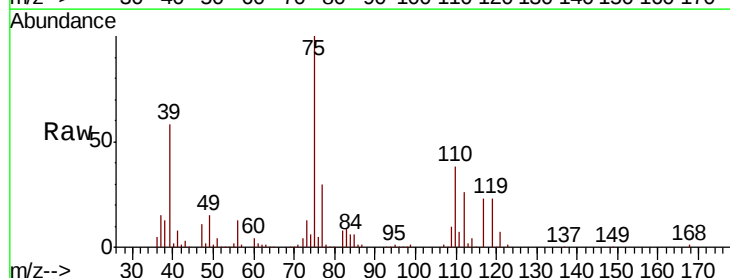
Tgt Ion: 75 Resp: 989581

Ion Ratio Lower Upper

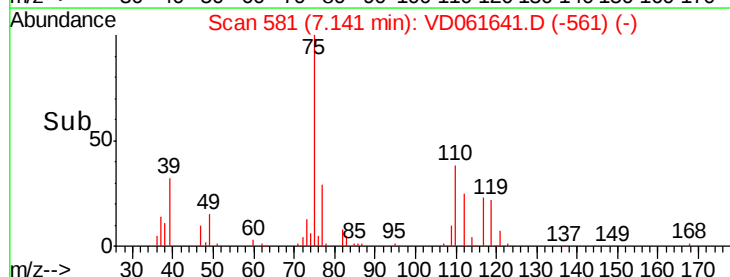
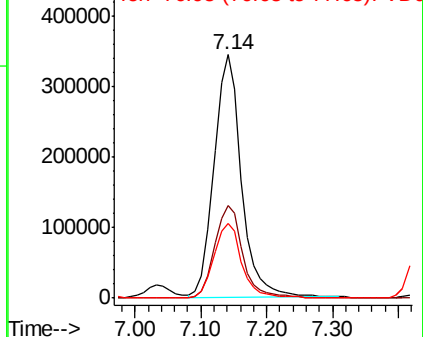
75 100

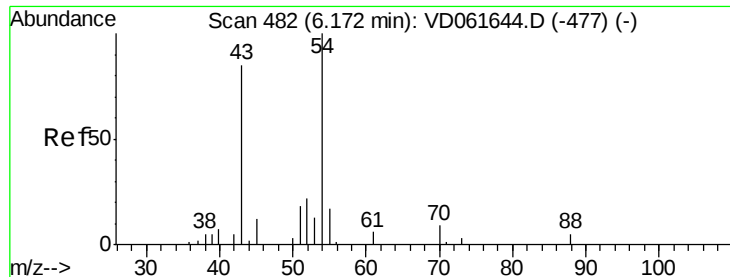
110 38.2 19.7 59.0

77 30.4 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

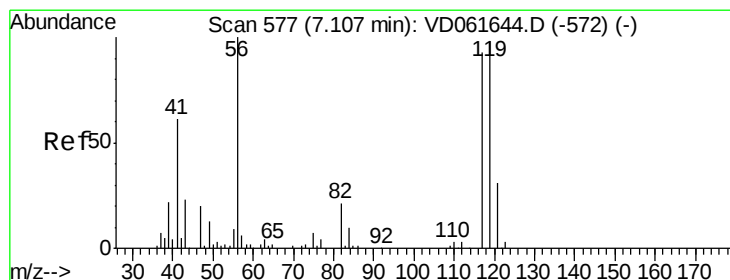
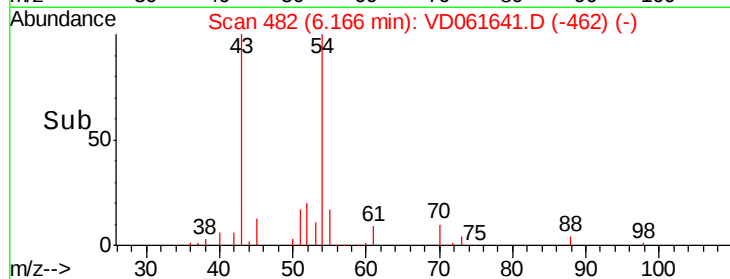
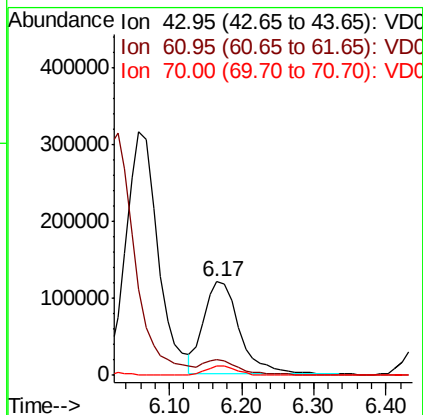
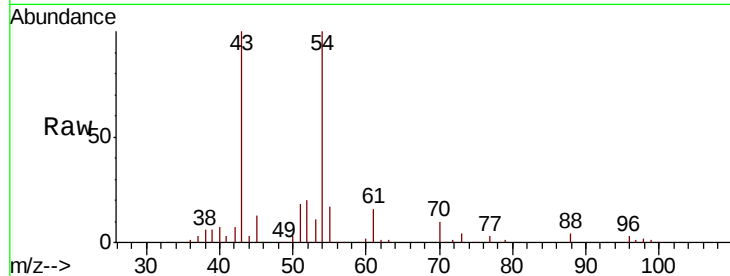




#37
Ethyl Acetate
Concen: 91.174 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

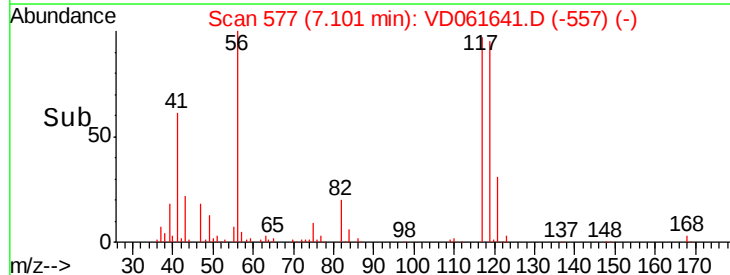
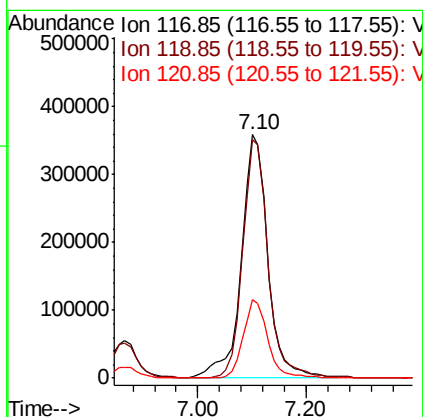
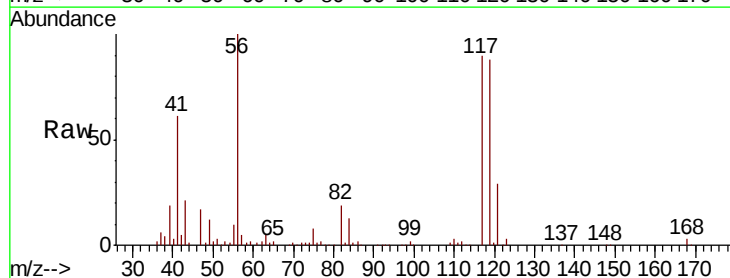
Instrument :
MSVOA_D
ClientSampled :

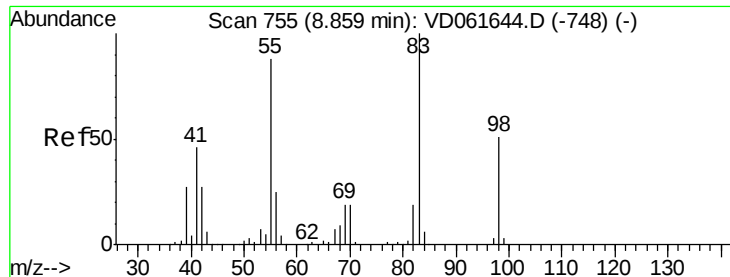
Tot Ion: 43 Resp: 414671
Ion Ratio Lower Upper
43 100
61 16.2 11.9 17.9
70 9.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 95.855 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 117 Resp: 1213095
Ion Ratio Lower Upper
117 100
119 97.7 77.9 116.9
121 32.3 24.7 37.1

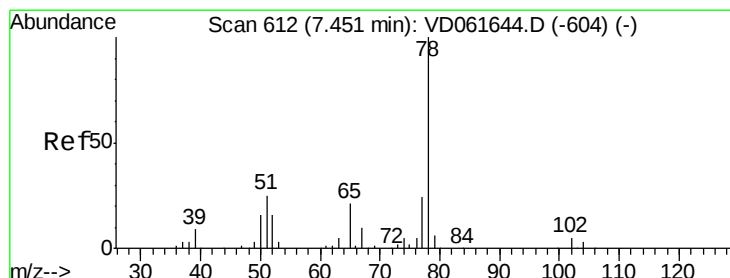
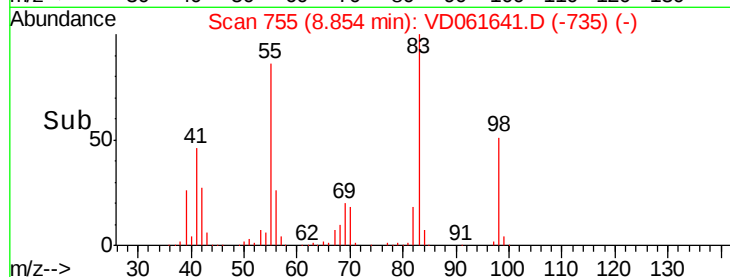
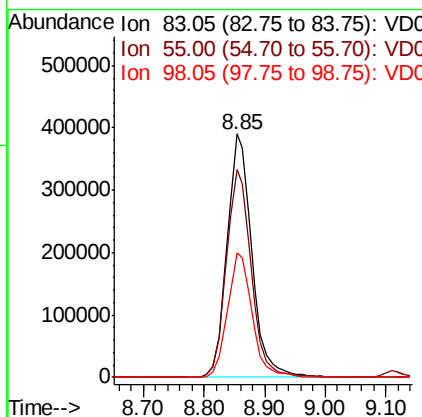
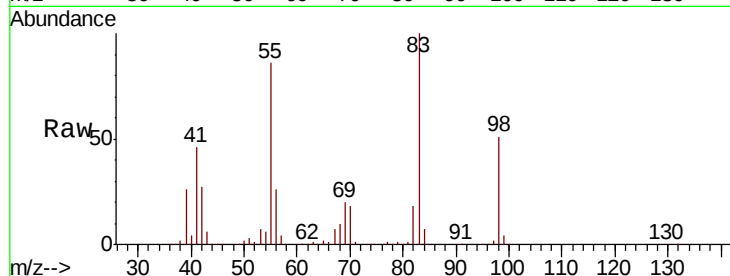




#39
Methvlcvclohexane
Concen: 96.804 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

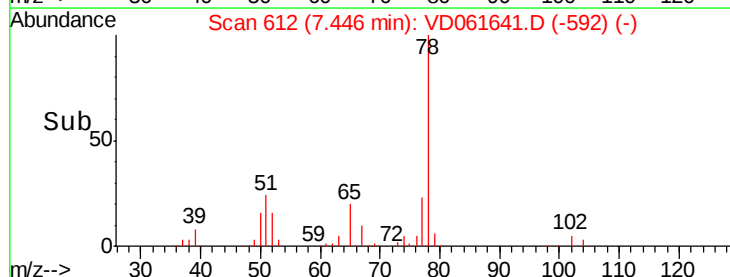
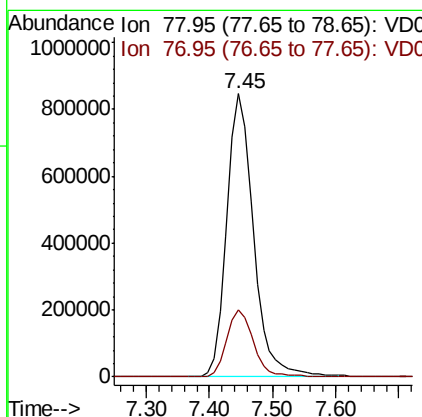
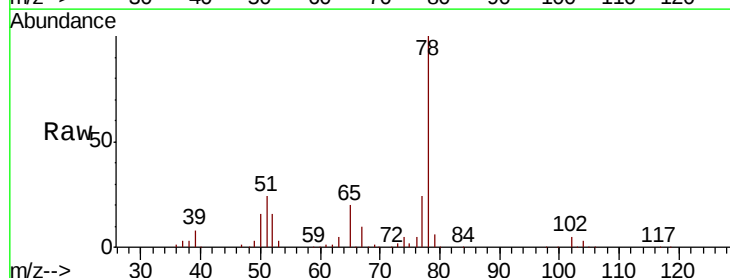
Instrument :
MSVOA_D
ClientSampleId :

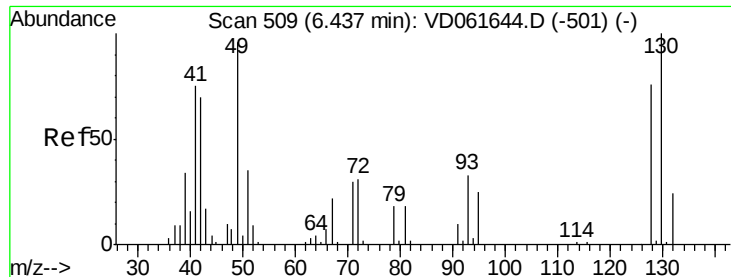
Tot Ion: 83 Resp: 1105632
Ion Ratio Lower Upper
83 100
55 85.5 70.3 105.5
98 51.0 41.0 61.6



#40
Benzene
Concen: 93.778 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 78 Resp: 2485898
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3

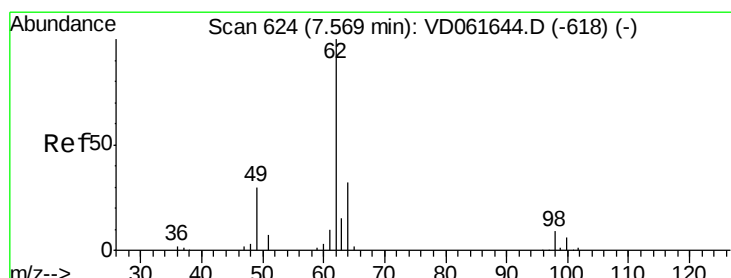
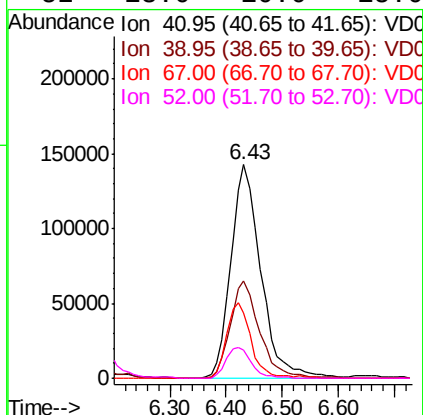
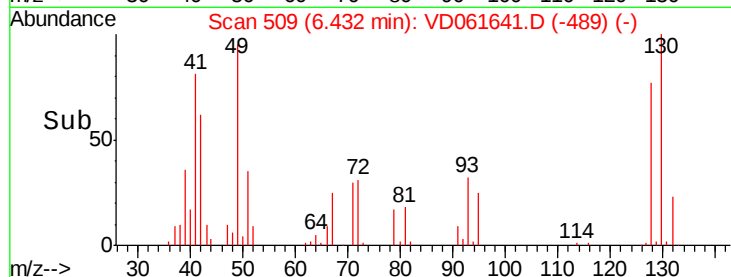
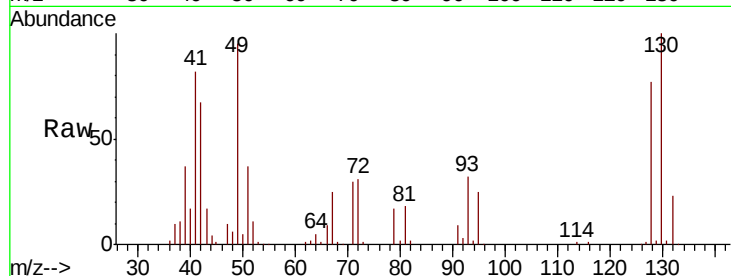




#41
Methacrylonitrile
Concen: 103.156 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

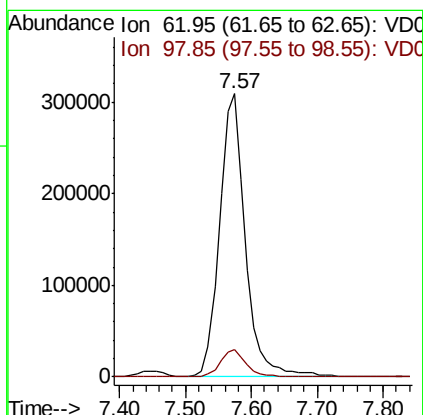
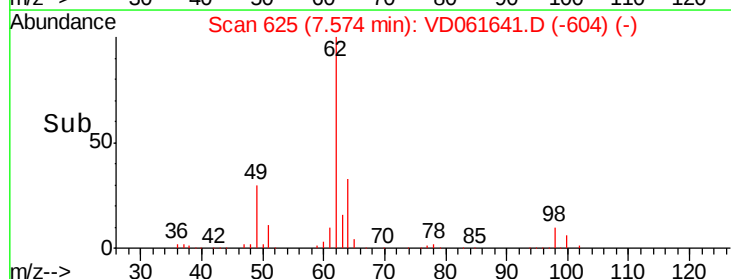
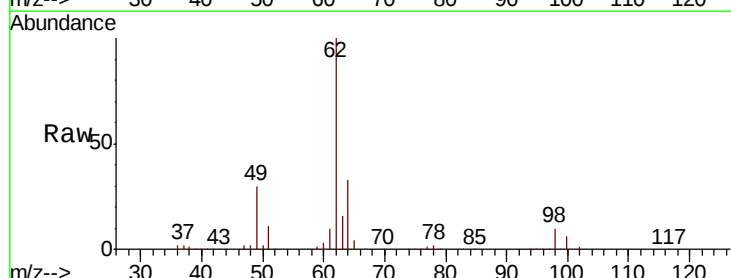
Instrument :
MSVOA_D
ClientSampleId :

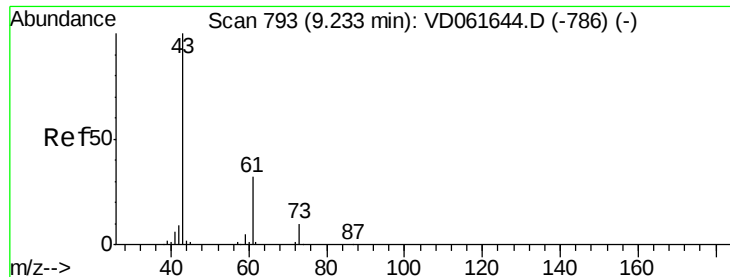
Tot Ion: 41 Resp: 528776
Ion Ratio Lower Upper
41 100
39 45.3 36.2 54.2
67 30.9 23.2 34.8
52 13.0 10.0 15.0



#42
1,2-Dichloroethane
Concen: 99.775 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion: 62 Resp: 835955
Ion Ratio Lower Upper
62 100
98 9.7 0.0 17.8



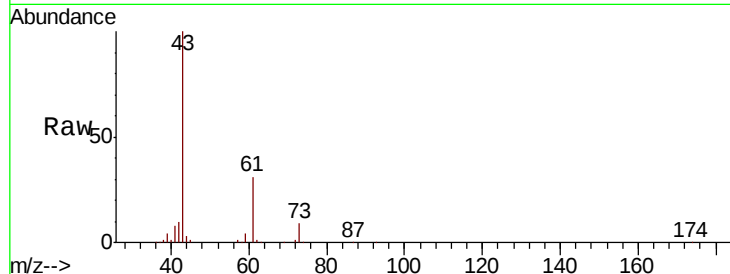


#43

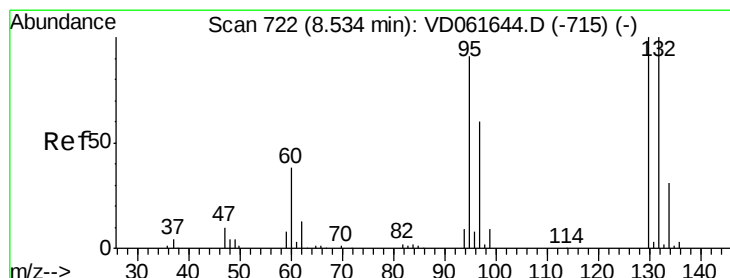
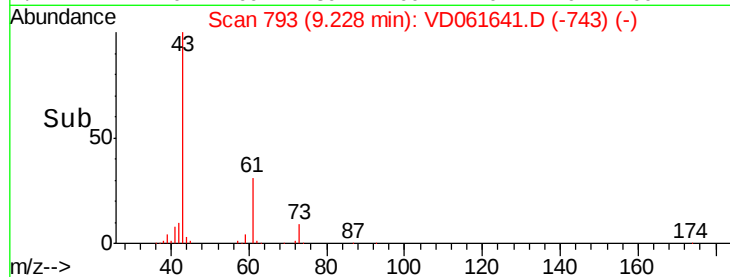
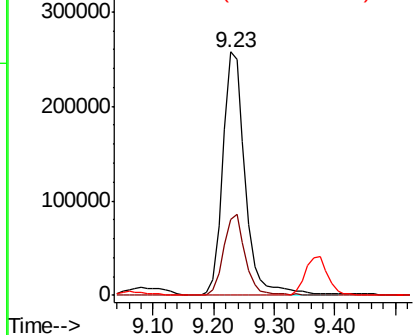
Isopropyl Acetate
 Concen: 100.280 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 655427
 Ion Ratio Lower Upper
 43 100
 61 31.1 25.9 38.9
 87 0.2 0.2 0.4#



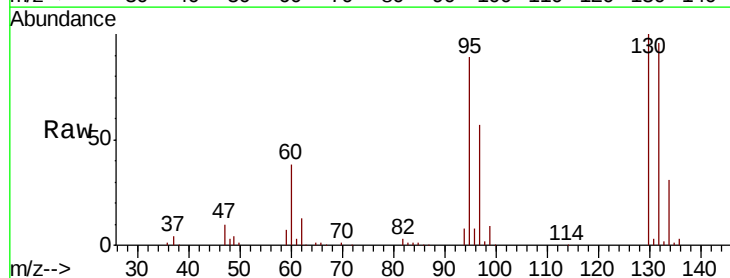
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



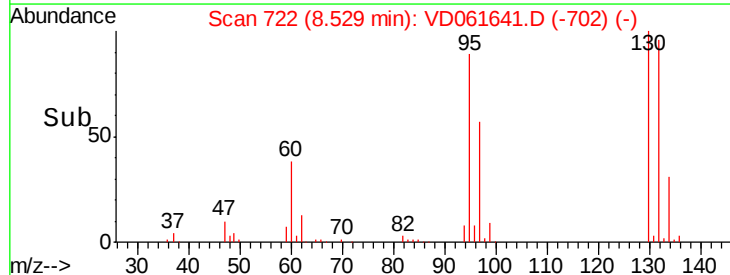
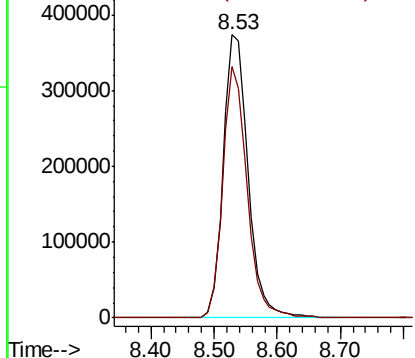
#44

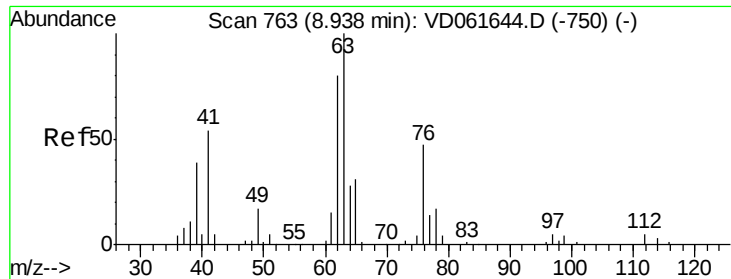
Trichloroethene
 Concen: 100.874 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion:130 Resp: 1018657
 Ion Ratio Lower Upper
 130 100
 95 89.0 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 99.545 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

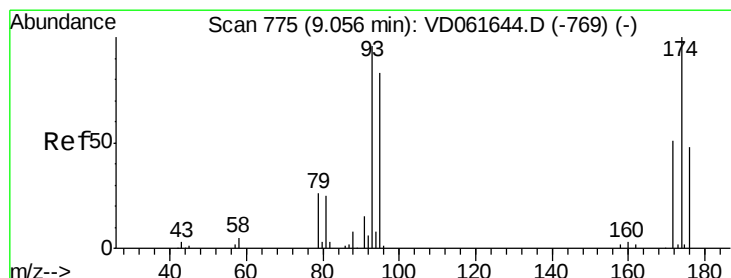
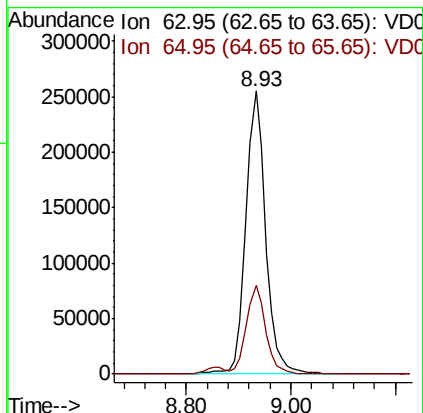
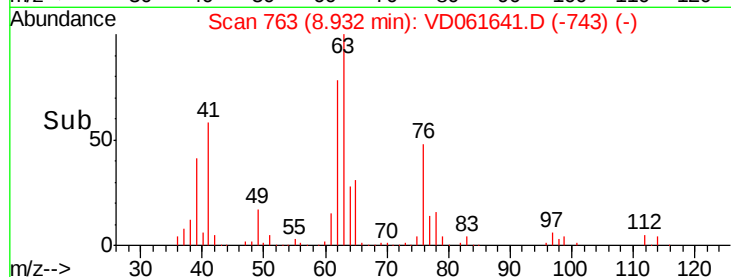
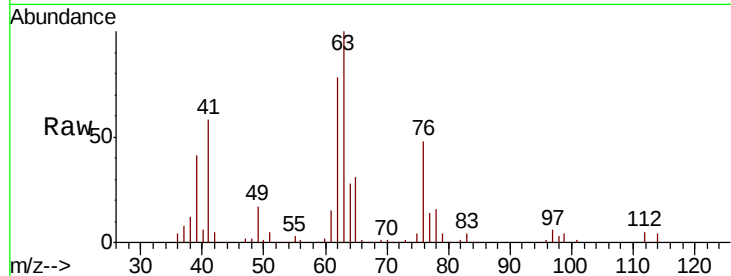
ClientSampled :

Tot Ion: 63 Resp: 646389

Ion Ratio Lower Upper

63 100

65 31.4 24.5 36.7



#46

Dibromomethane

Concen: 100.681 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

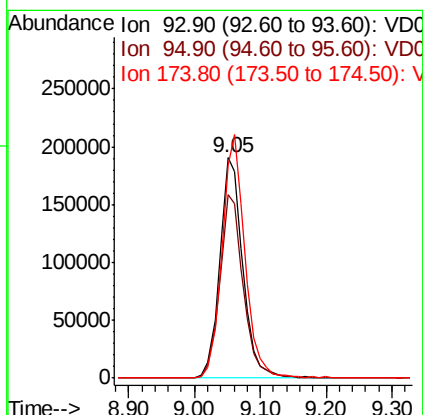
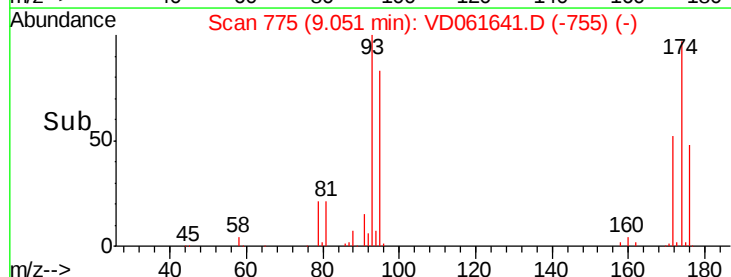
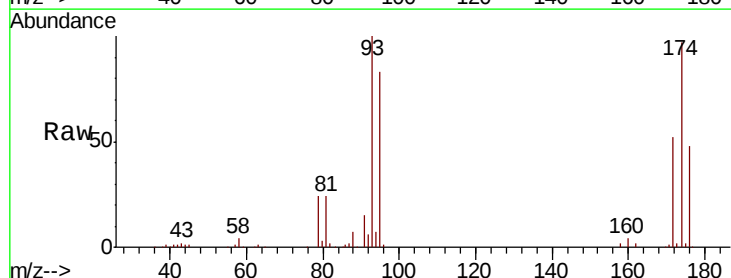
Tgt Ion: 93 Resp: 463397

Ion Ratio Lower Upper

93 100

95 83.1 68.6 103.0

174 96.8 83.0 124.4





#47

Bromodichloromethane

Concen: 98.535 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampled :

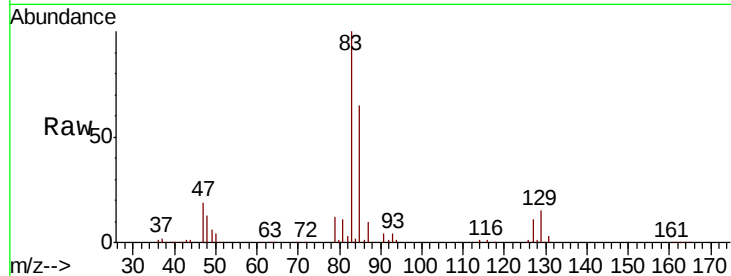
Tot Ion: 83 Resp: 1013768

Ion Ratio Lower Upper

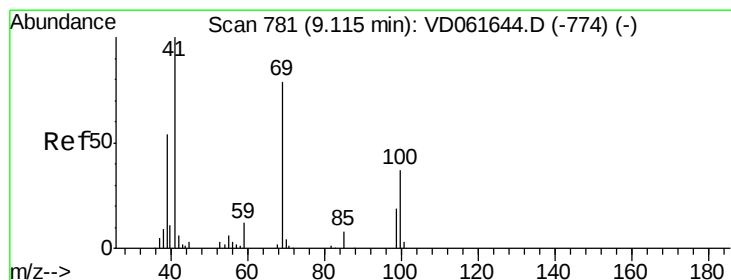
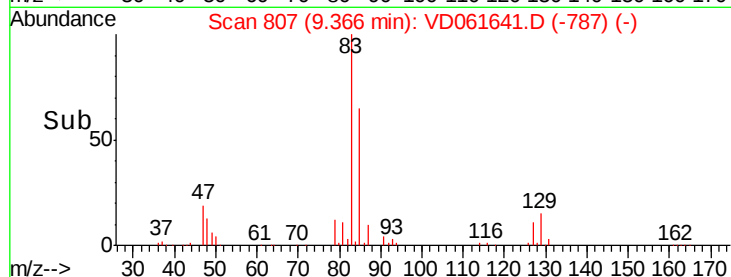
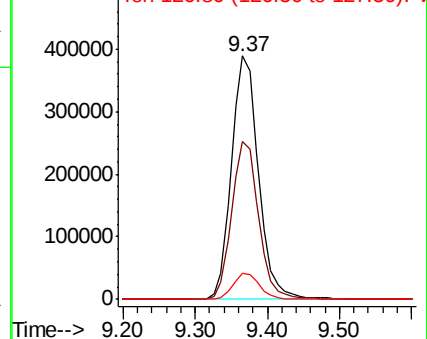
83 100

85 64.8 51.8 77.6

127 10.8 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: 105.038 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

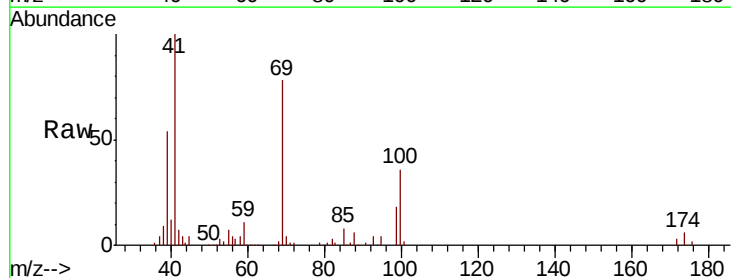
Tgt Ion: 41 Resp: 379602

Ion Ratio Lower Upper

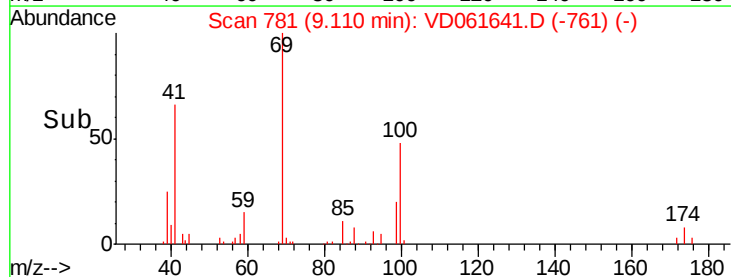
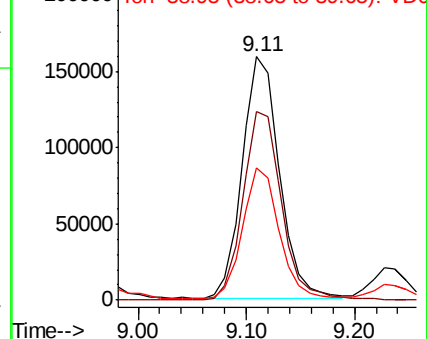
41 100

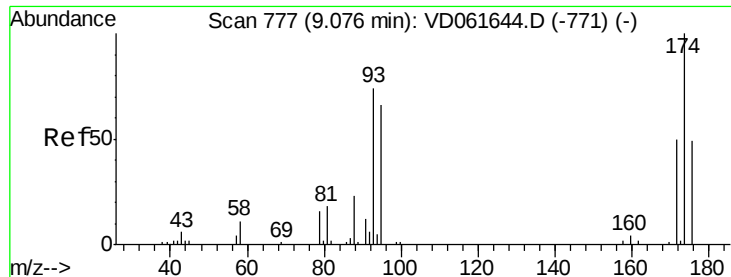
69 77.5 63.1 94.7

39 54.5 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

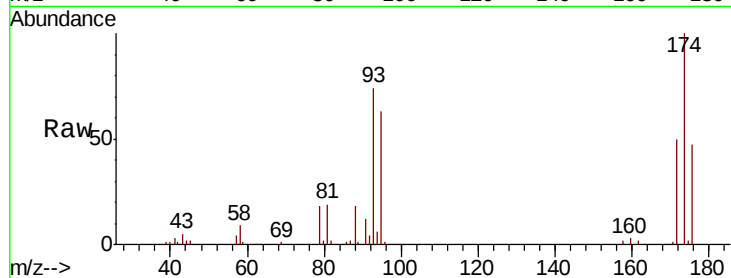




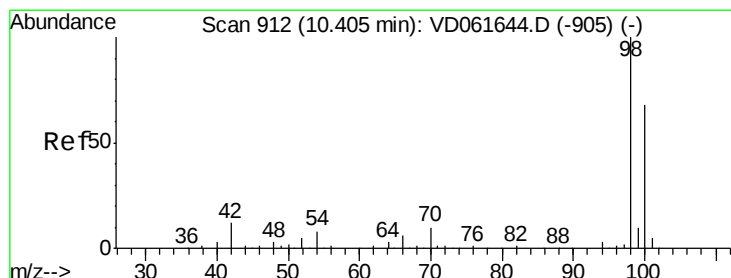
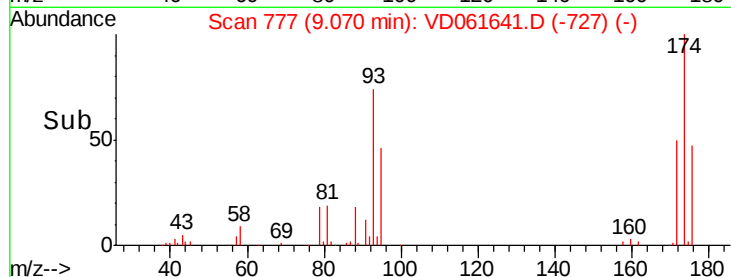
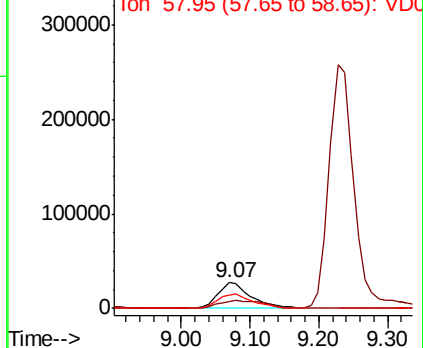
#49
1,4-Dioxane
Concen: 2236.633 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	88	Resp	89468
Ion Ratio	Lower	Upper	
88	100		
43	27.6	21.8	32.8
58	52.2	40.2	60.2

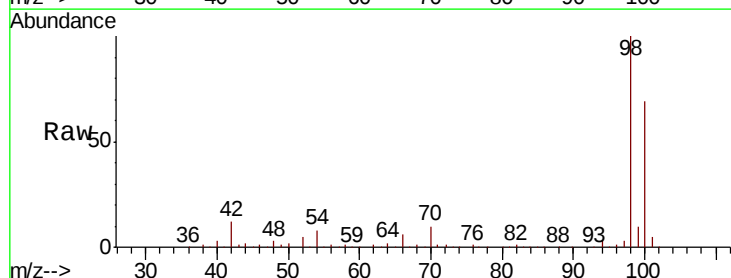


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

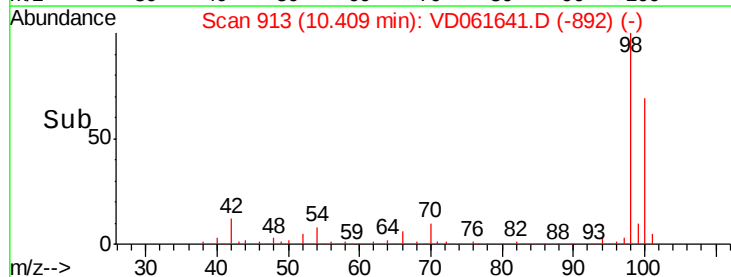
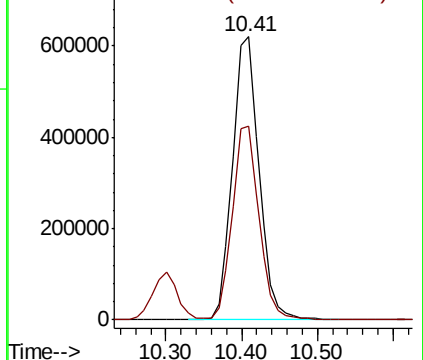


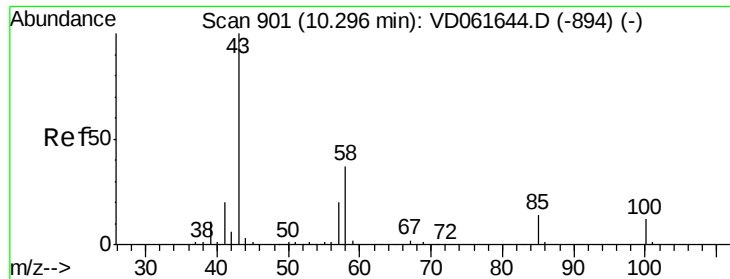
#50
Toluene-d8
Concen: 2236.633 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion	98	Resp	1498444
Ion Ratio	Lower	Upper	
98	100		
100	68.6	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 480.270 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

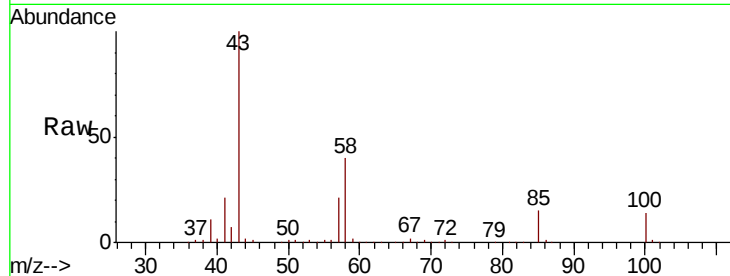
ClientSampleId :

Tot Ion: 43 Resp: 1848341

Ion Ratio Lower Upper

43 100

58 40.2 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

800000

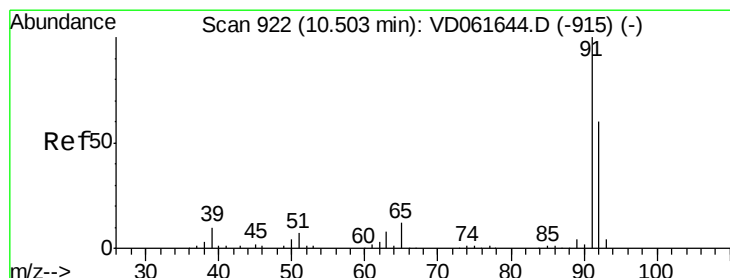
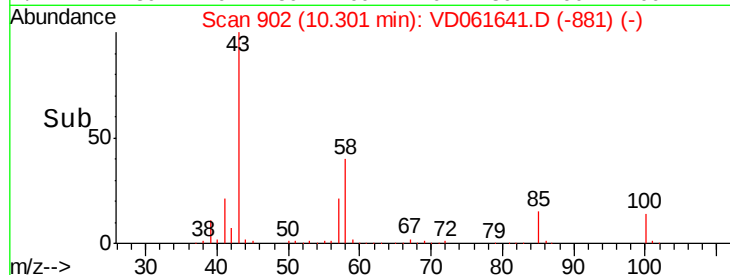
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 94.426 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061641.D

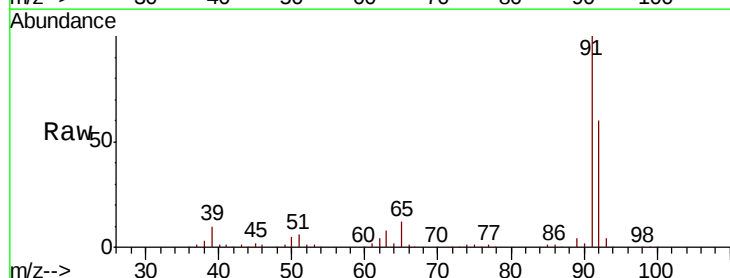
Acq: 6 Apr 2019 13:58

Tgt Ion: 92 Resp: 1550542

Ion Ratio Lower Upper

92 100

91 165.9 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1200000

1000000

800000

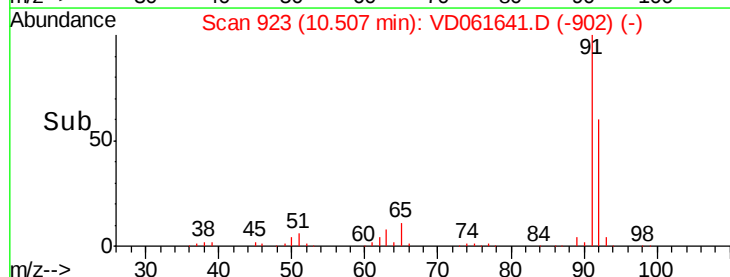
600000

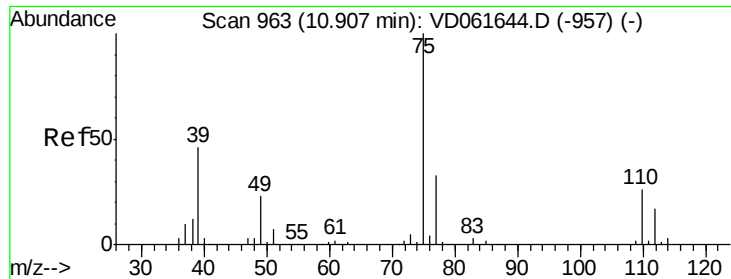
400000

200000

0

Time-->

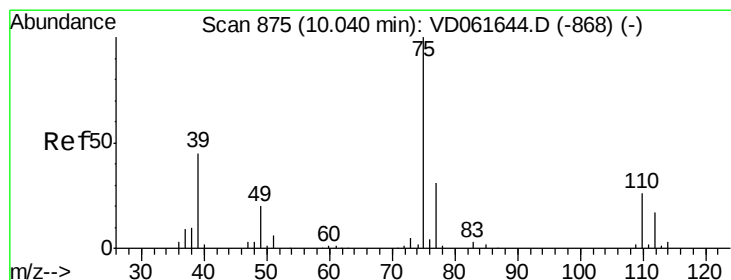
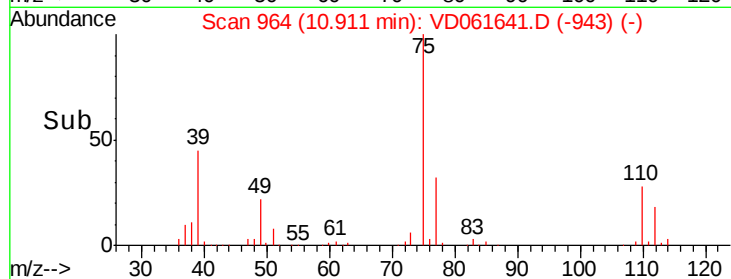
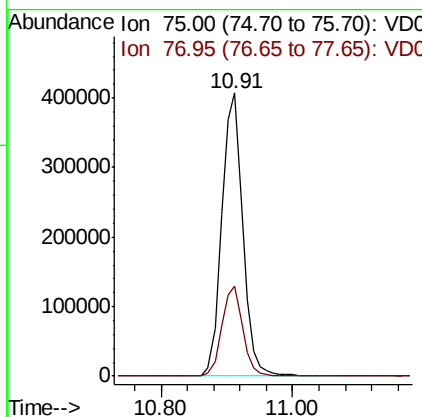
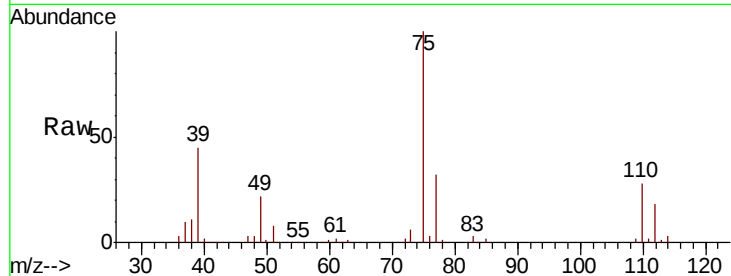




#53
 t-1,3-Dichloropropene
 Concen: 99.836 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

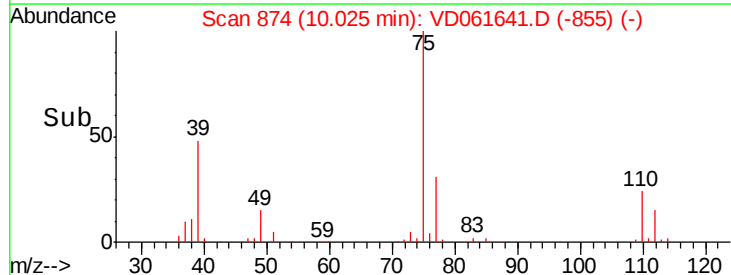
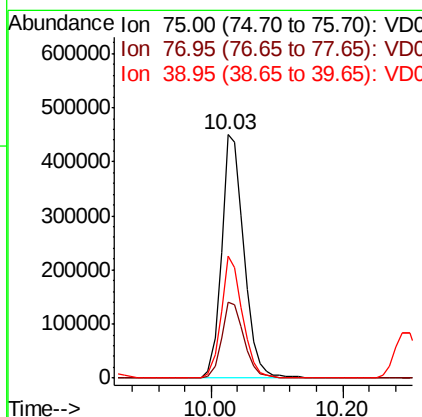
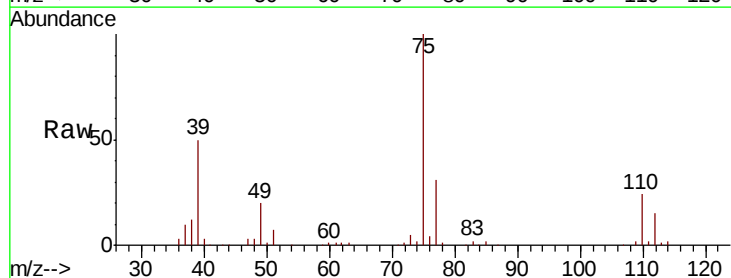
Instrument :
 MSVOA_D
 ClientSampleId :

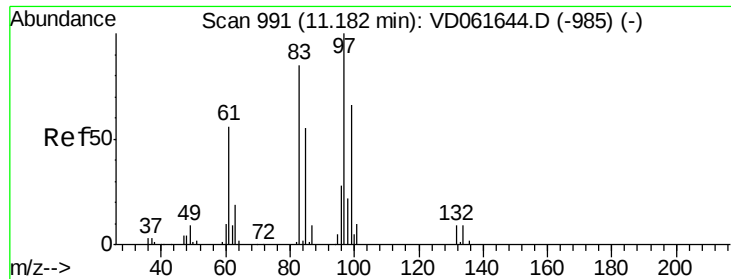
Tot Ion: 75 Resp: 907118
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 95.297 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion: 75 Resp: 1066663
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.6 37.0
 39 50.0 36.2 54.2

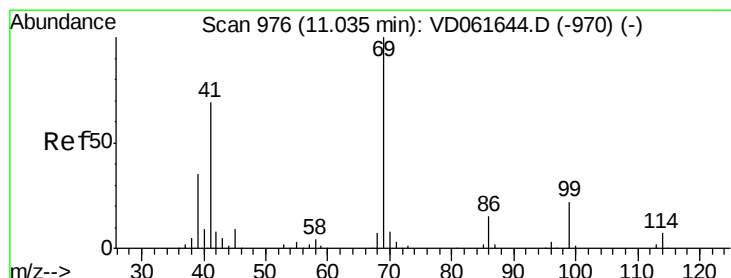
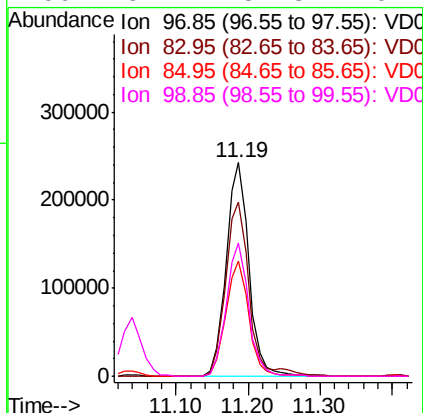
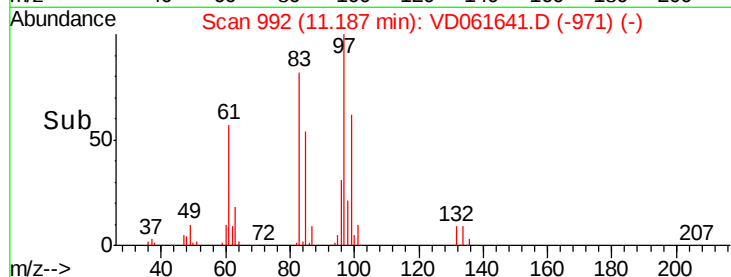
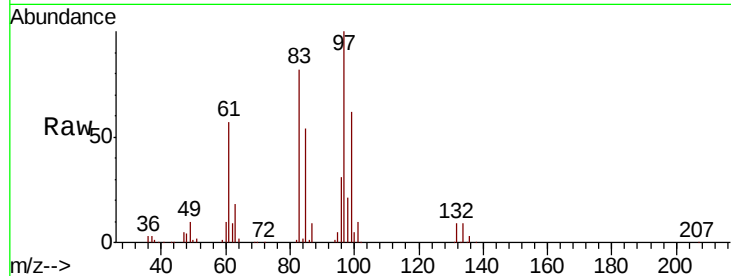




#55
 1,1,2-Trichloroethane
 Concen: 97.797 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

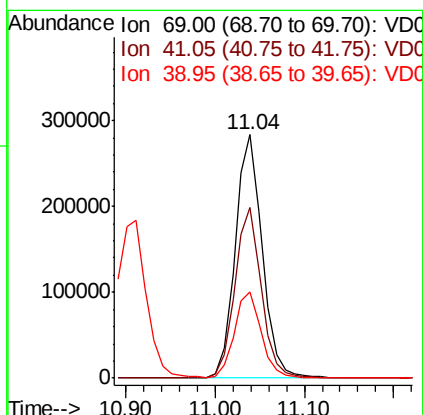
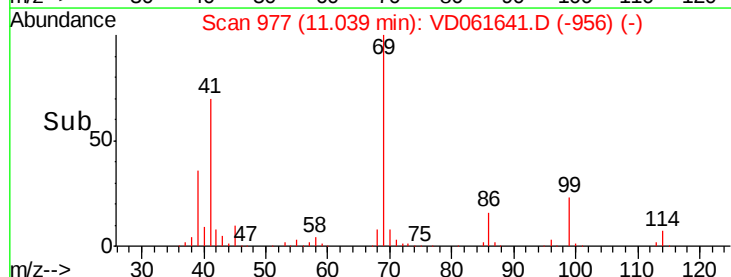
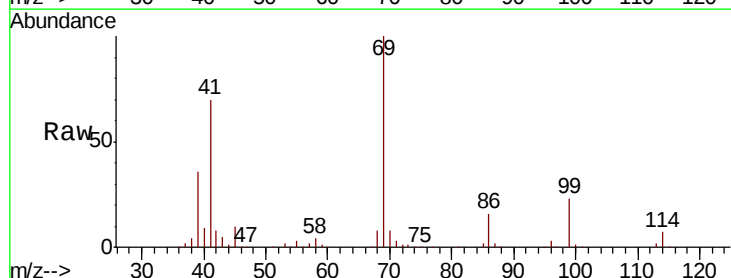
Instrument :
 MSVOA_D
 ClientSampleId :

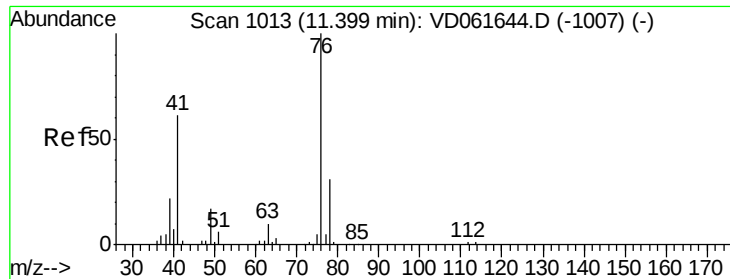
Tot Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.8	101.6
85	54.0	43.8	65.8
99	62.1	52.8	79.2



#56
 Ethyl methacrylate
 Concen: 101.402 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.2	82.8
39	35.6	28.6	43.0





#57

1,3-Dichloropropane

Concen: 95.117 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

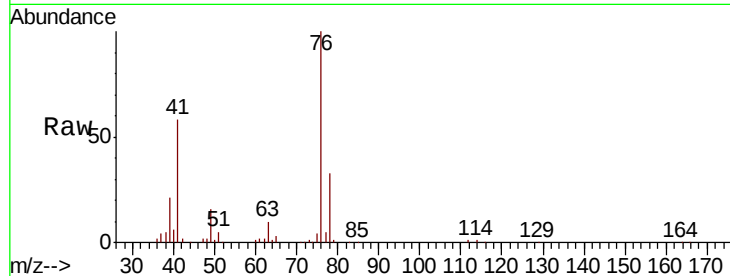
ClientSampleId :

Tot Ion: 76 Resp: 777529

Ion Ratio Lower Upper

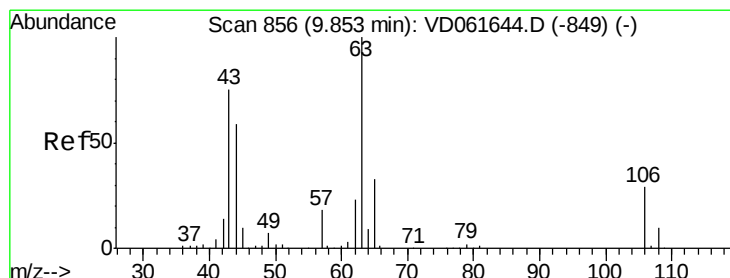
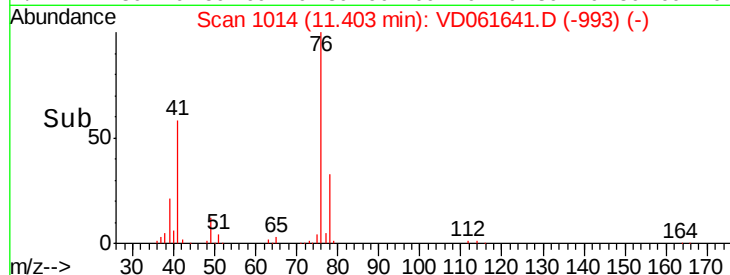
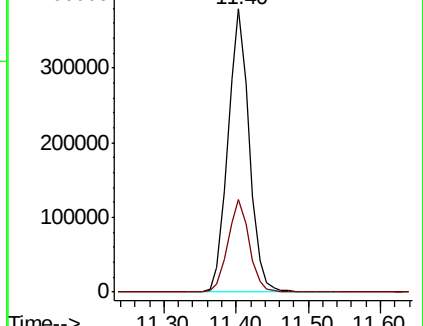
76 100

78 32.9 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: 452.700 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061641.D

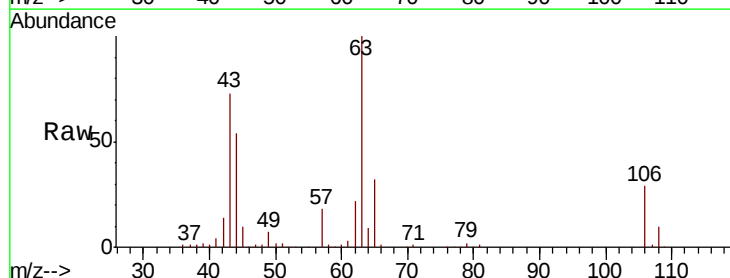
Acq: 6 Apr 2019 13:58

Tgt Ion: 63 Resp: 1206498

Ion Ratio Lower Upper

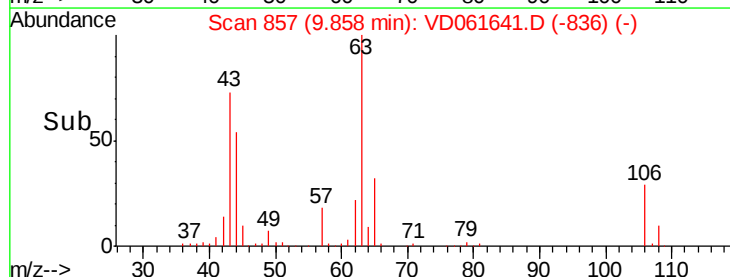
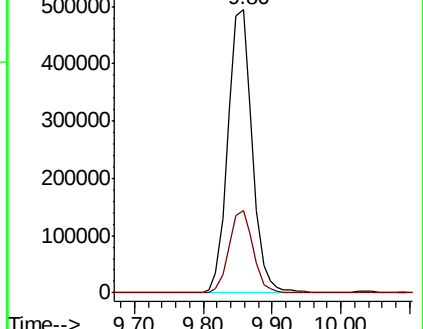
63 100

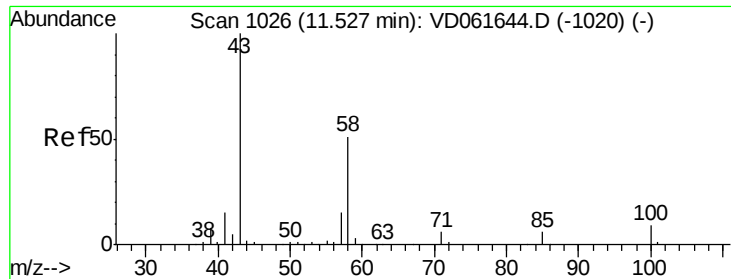
106 29.0 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

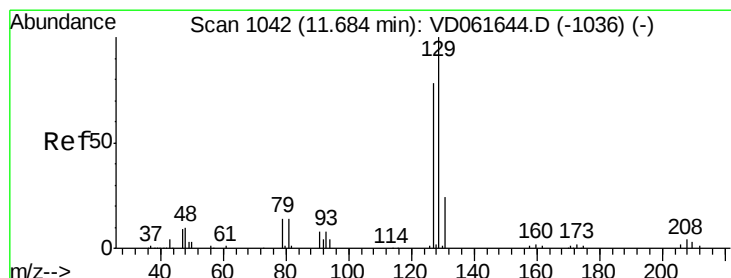
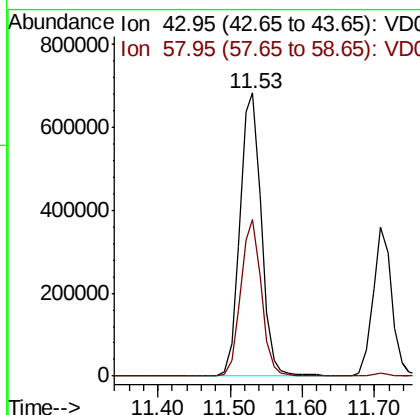
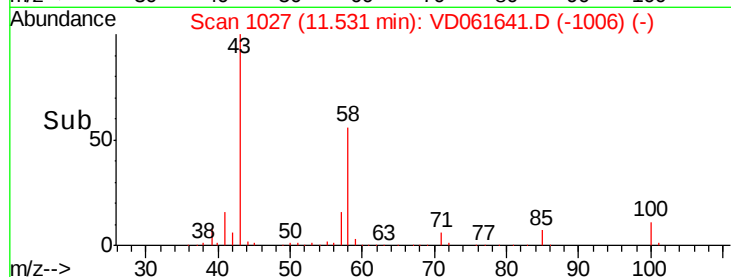
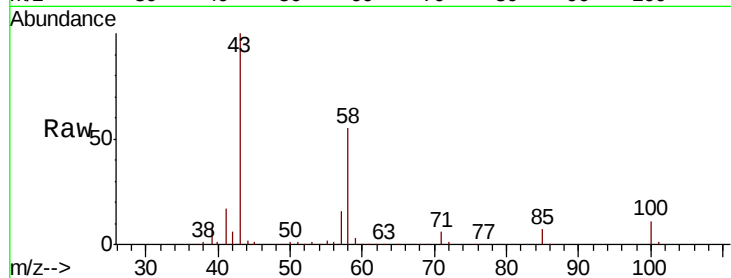




#59
2-Hexanone
Concen: 487.555 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

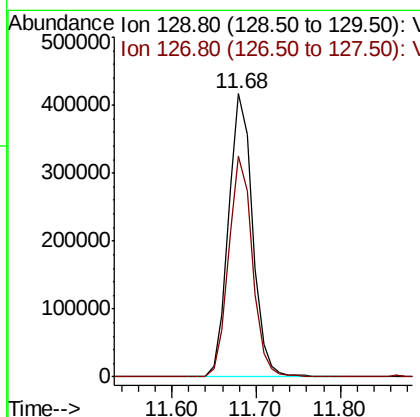
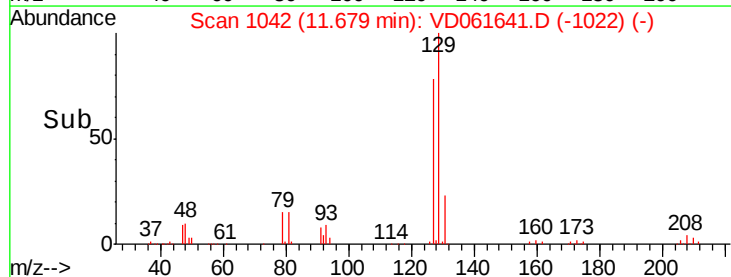
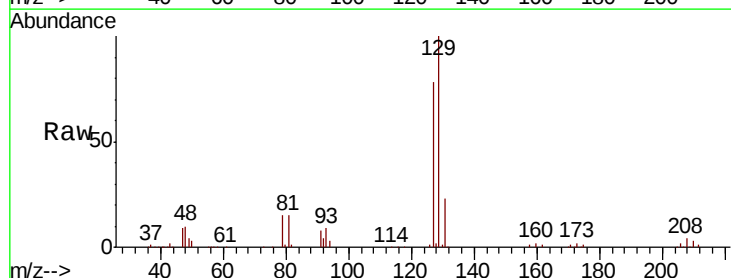
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1416061
Ion Ratio Lower Upper
43 100
58 55.5 25.6 76.8



#60
Dibromochloromethane
Concen: 96.075 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:129 Resp: 827960
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.4

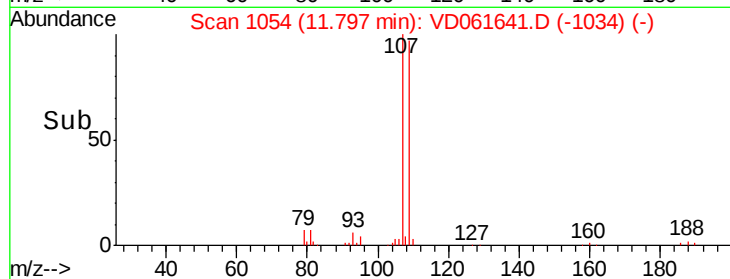
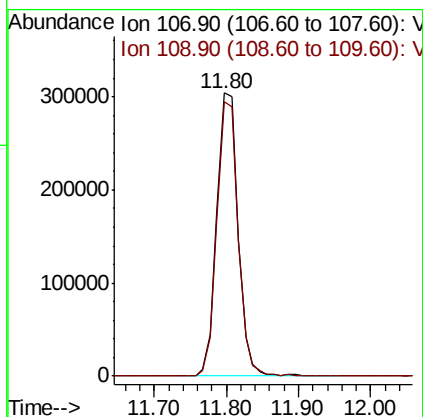
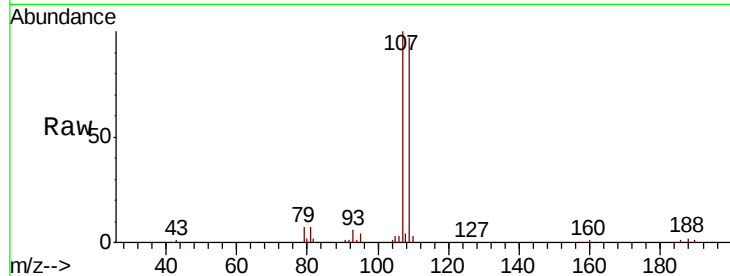




#61
 1,2-Dibromoethane
 Concen: 96.681 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

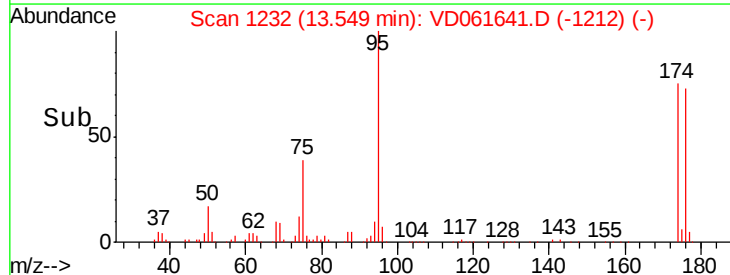
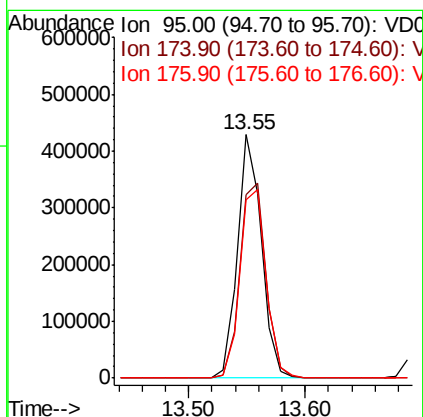
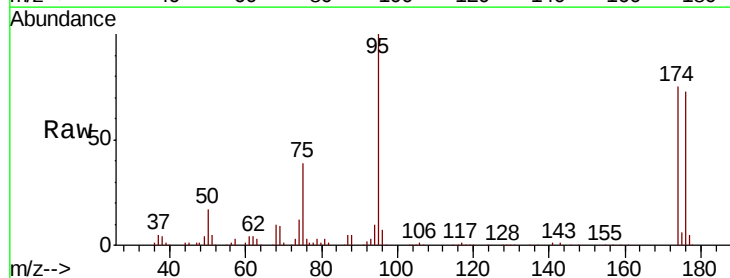
Instrument :
 MSVOA_D
 ClientSampled :

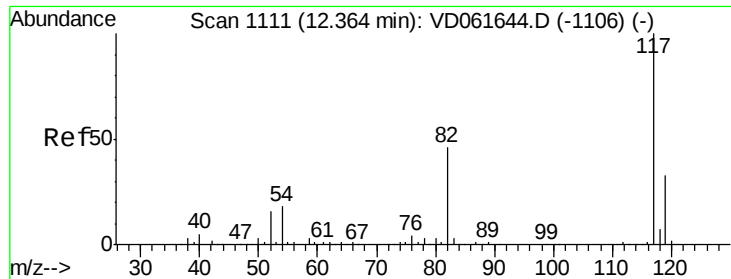
Tot Ion: 107 Resp: 617692
 Ion Ratio Lower Upper
 107 100
 109 97.1 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 96.681 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion: 95 Resp: 611667
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 164.6
 176 73.3 0.0 165.0

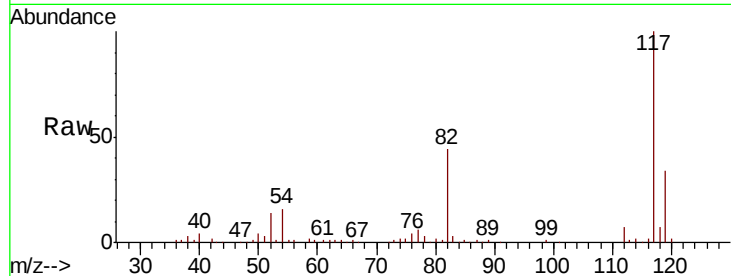




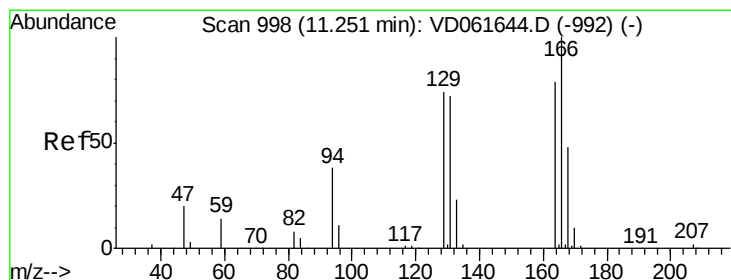
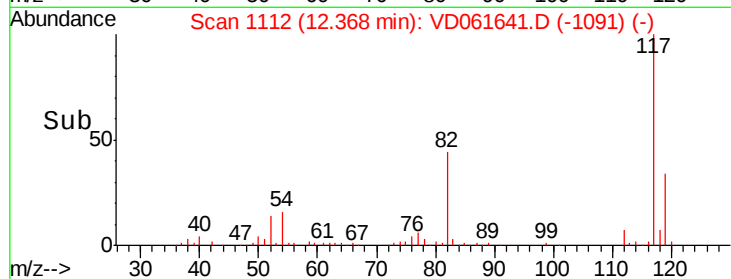
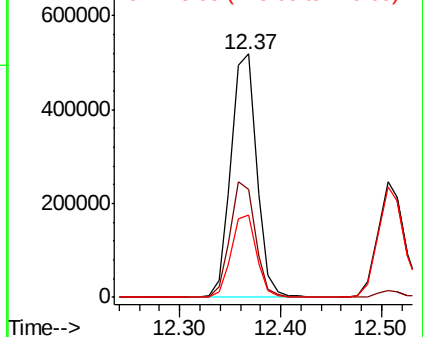
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 923900
Ion Ratio Lower Upper
117 100
82 44.3 36.8 55.2
119 33.7 26.1 39.1

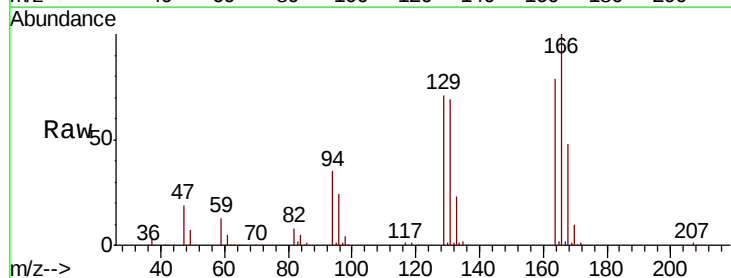


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

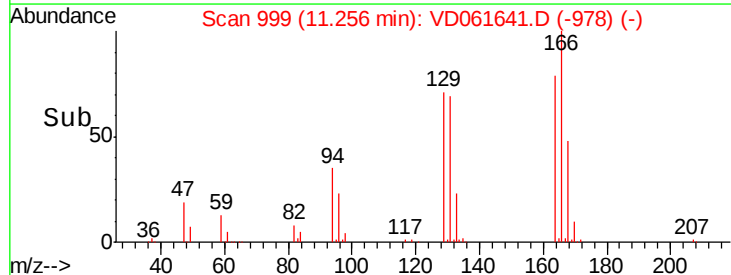
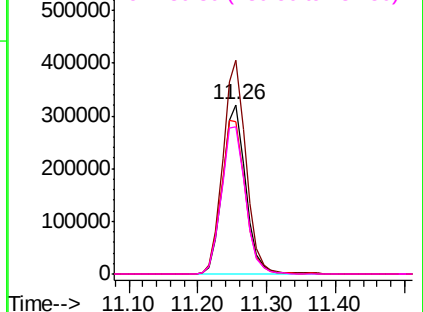


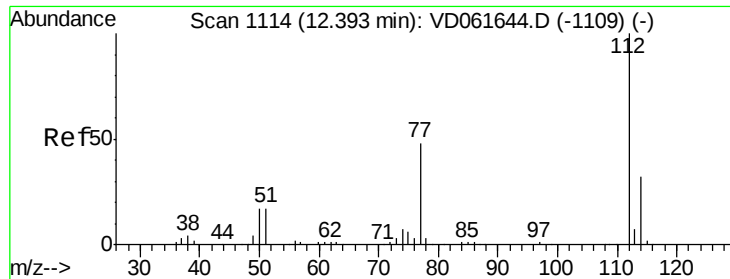
#64
Tetrachloroethene
Concen: 104.588 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:164 Resp: 737350
Ion Ratio Lower Upper
164 100
166 126.2 101.8 152.8
129 89.9 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

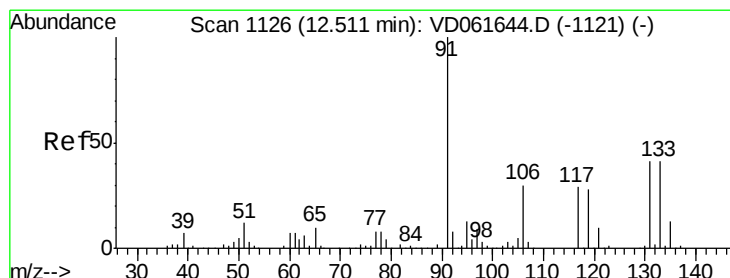
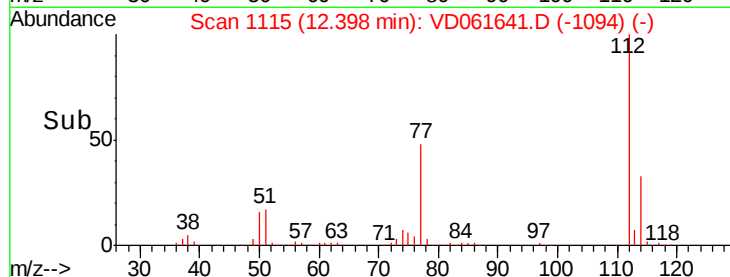
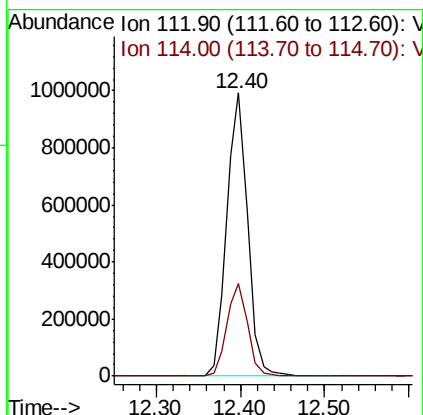
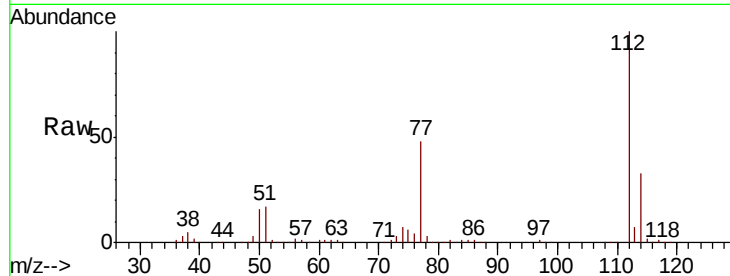




#65
Chlorobenzene
Concen: 93.295 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

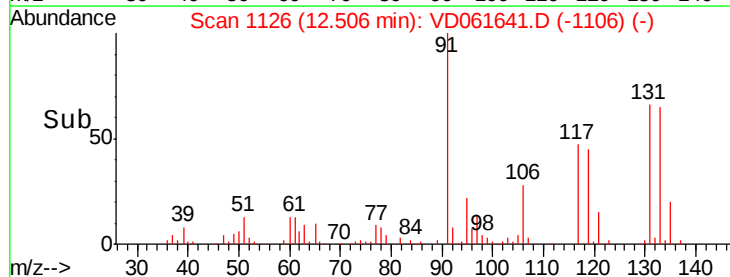
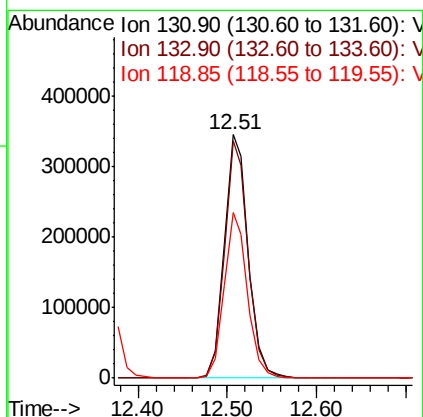
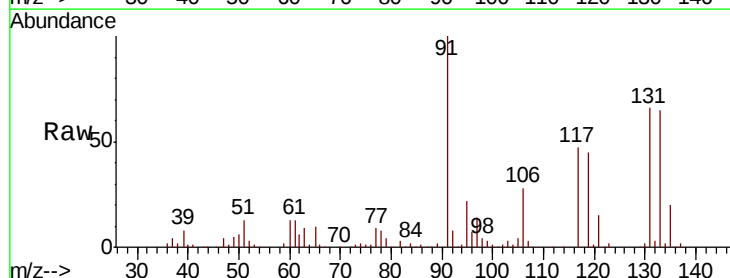
Instrument :
MSVOA_D
ClientSampleId :

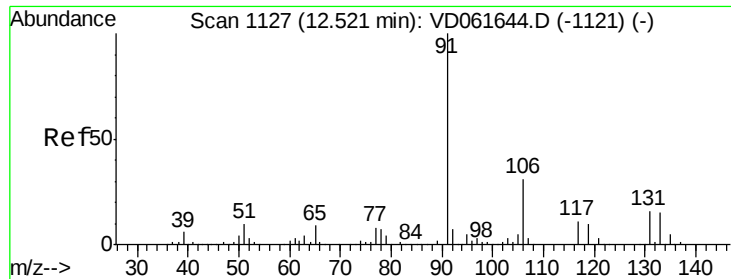
Tot Ion:112 Resp: 1699367
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 89.870 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:131 Resp: 650947
Ion Ratio Lower Upper
131 100
133 97.5 49.5 148.3
119 68.0 34.7 104.1

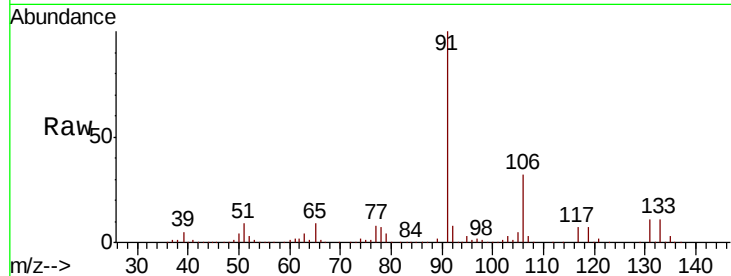




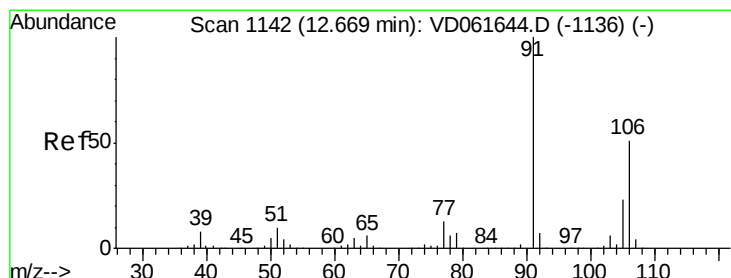
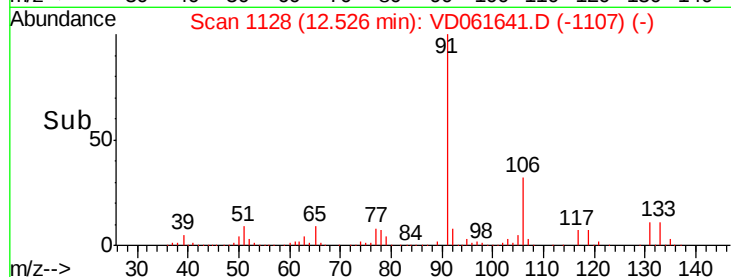
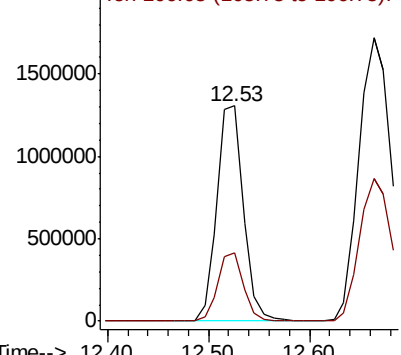
#67
Ethyl Benzene
Concen: 82.108 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 2382346
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0

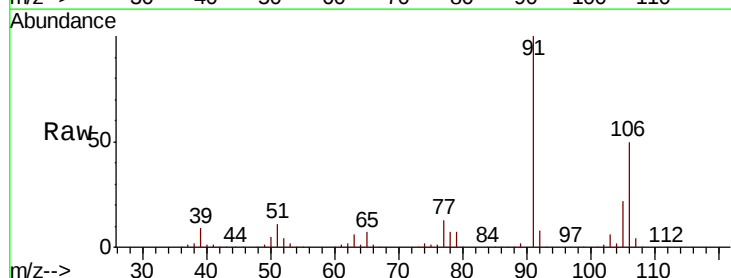


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

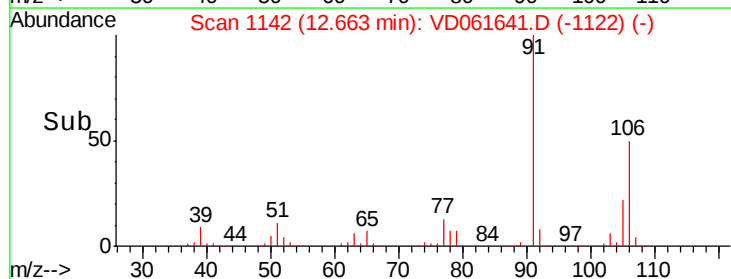
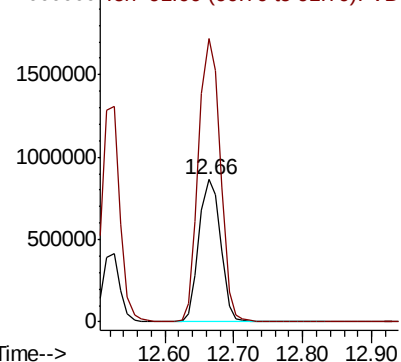


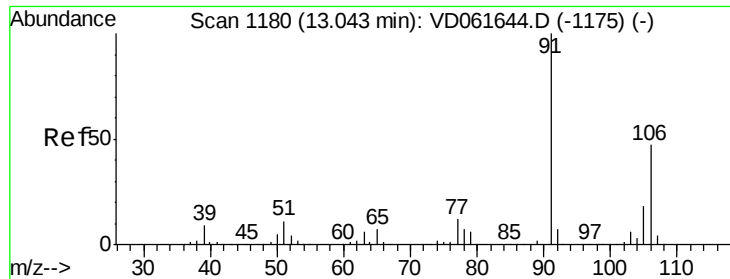
#68
m/p-Xylenes
Concen: 177.700 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:106 Resp: 1904433
Ion Ratio Lower Upper
106 100
91 199.0 156.7 235.1



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

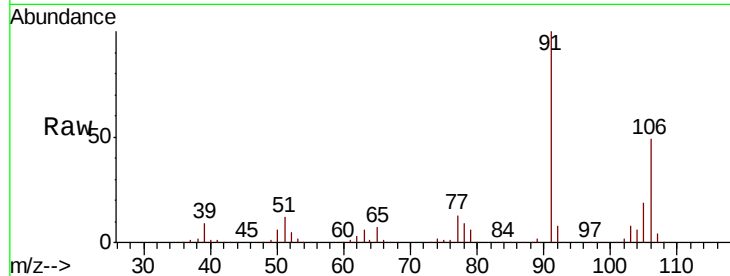




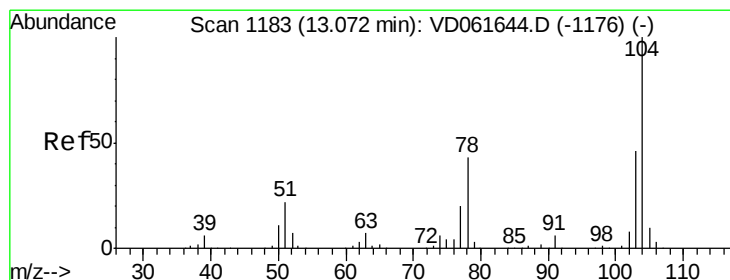
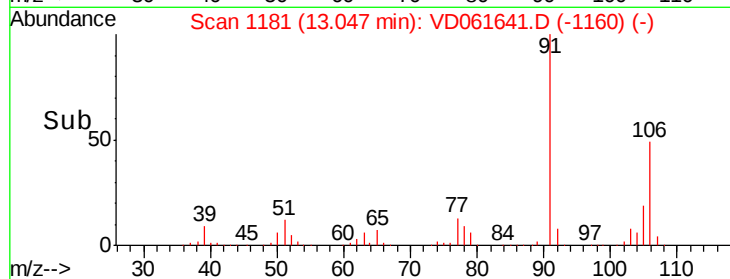
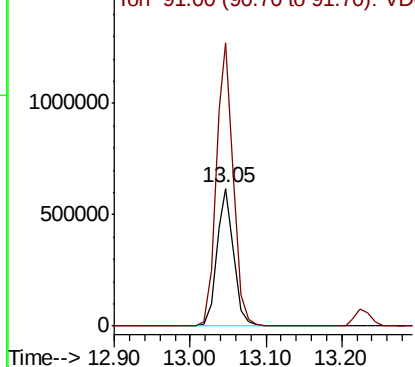
#69
o-Xylene
Concen: 92.365 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 957337
Ion Ratio Lower Upper
106 100
91 205.0 107.3 321.9

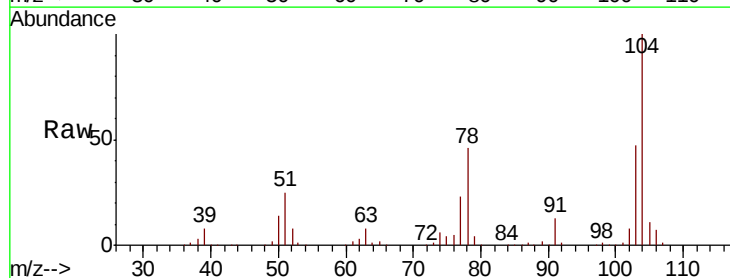


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

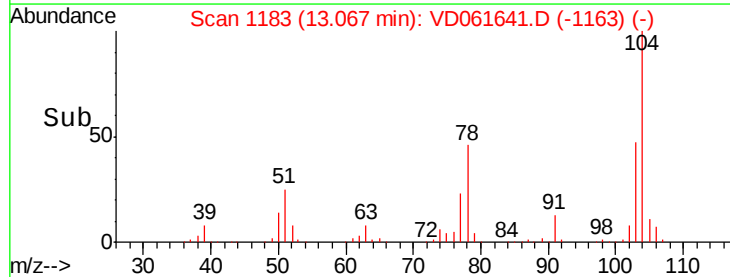
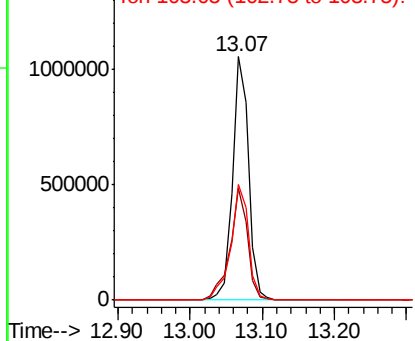


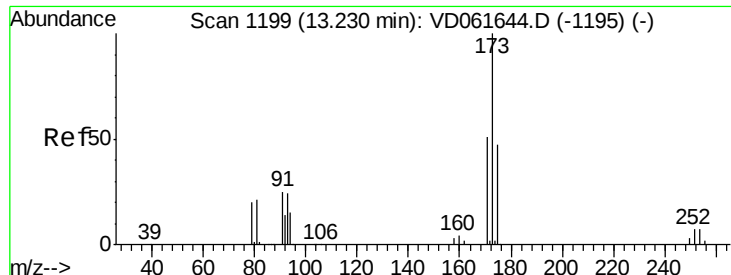
#70
Styrene
Concen: 92.240 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:104 Resp: 1637178
Ion Ratio Lower Upper
104 100
78 45.9 34.2 51.4
103 47.4 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: 112.452 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

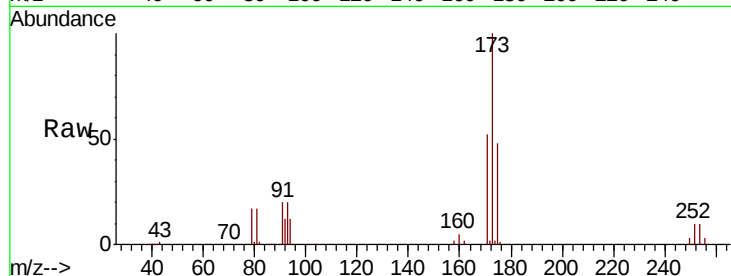
Tot Ion:173 Resp: 486078

Ion Ratio Lower Upper

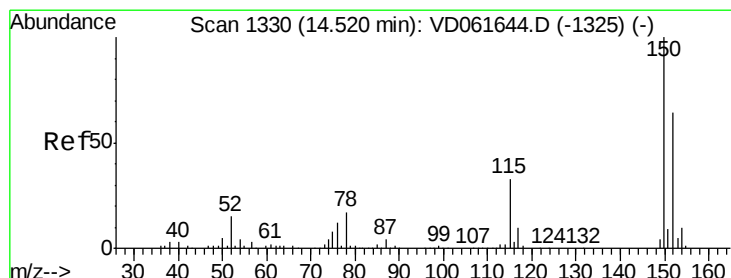
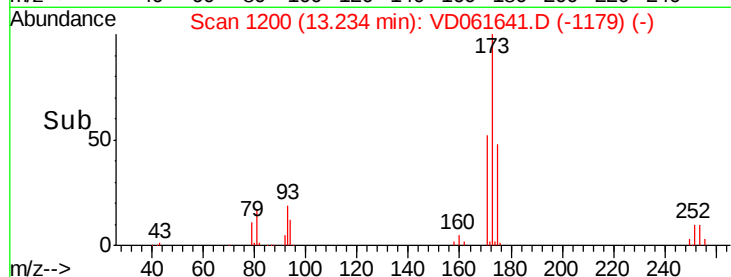
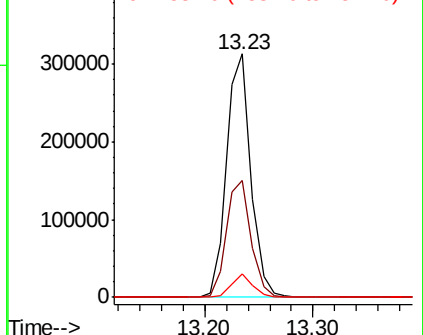
173 100

175 48.2 23.7 71.1

254 9.7 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# 1330

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

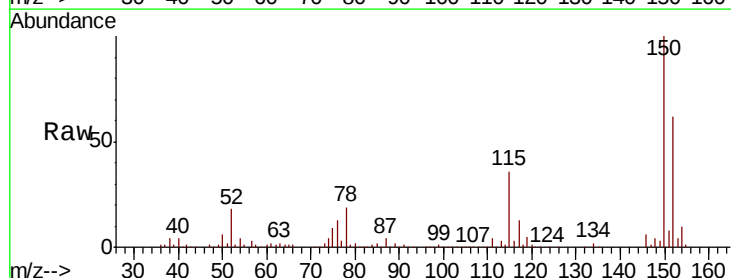
Tgt Ion:152 Resp: 432156

Ion Ratio Lower Upper

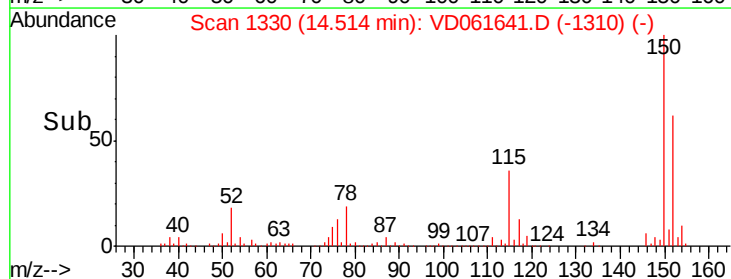
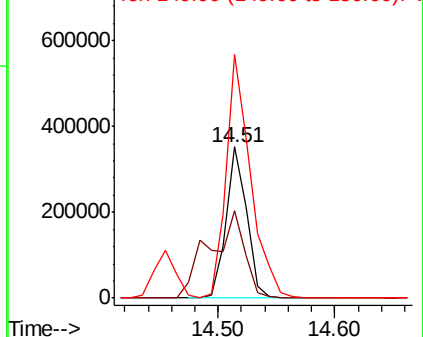
152 100

115 58.2 26.4 79.2

150 161.0 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: 93.336 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

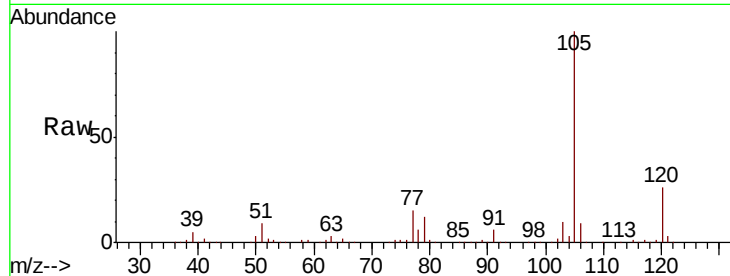
ClientSampleId :

Tot Ion:105 Resp: 2714741

Ion Ratio Lower Upper

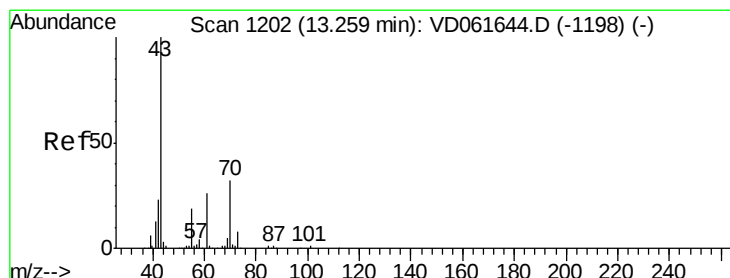
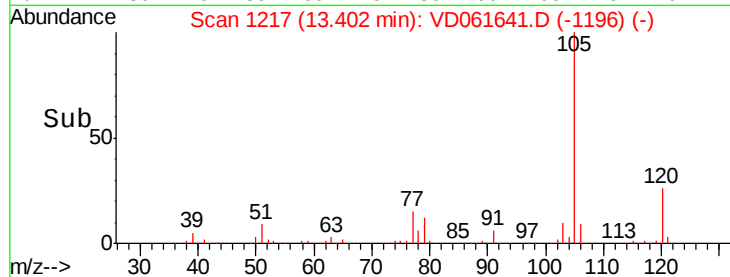
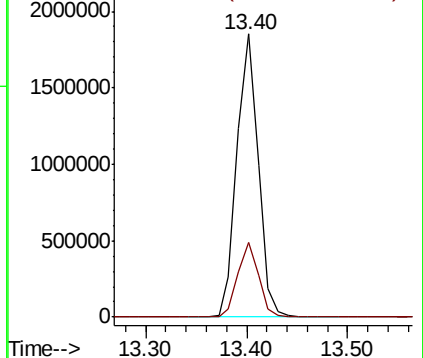
105 100

120 26.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 107.201 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Tgt Ion: 43 Resp: 842715

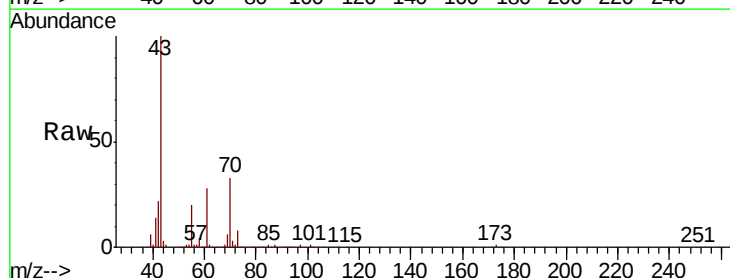
Ion Ratio Lower Upper

43 100

70 33.3 25.4 38.2

55 19.8 15.0 22.4

61 27.6 20.9 31.3

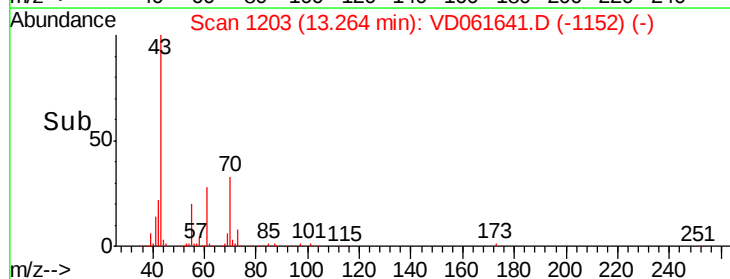
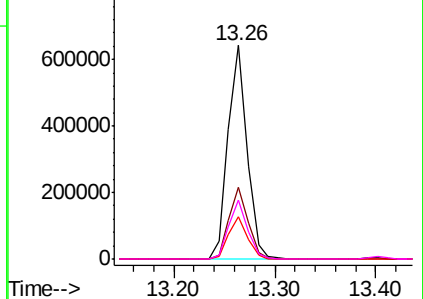


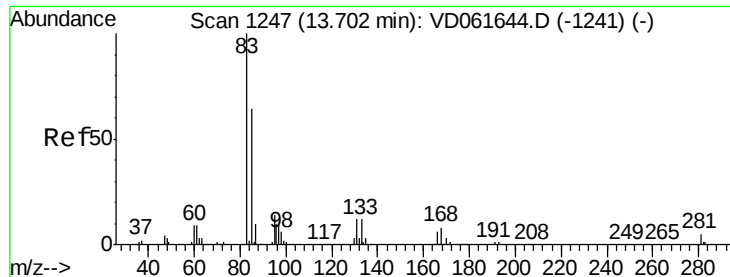
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 100.215 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

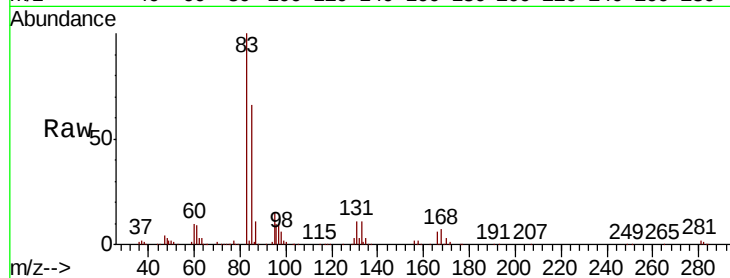
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 582855

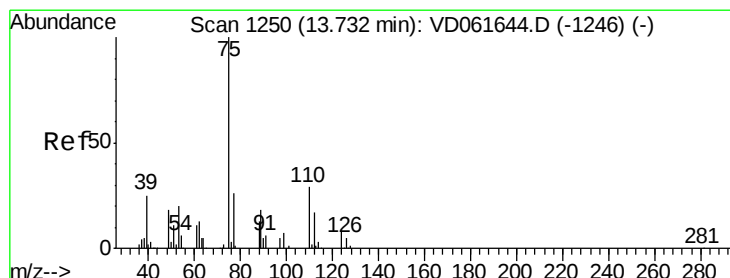
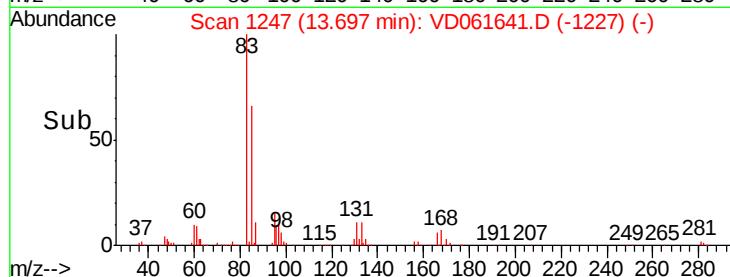
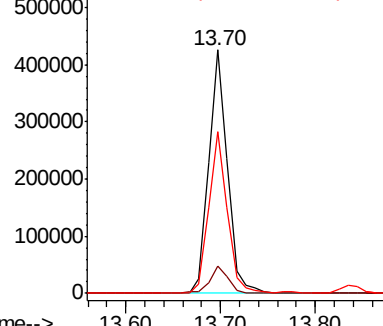
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.9	17.6
85	66.2	32.0	96.2



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: 102.251 ug/l

RT: 13.73 min Scan# 1250

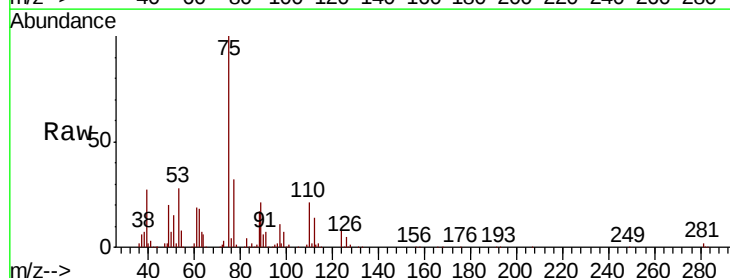
Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

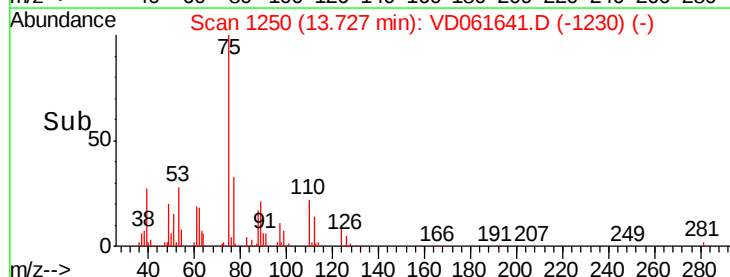
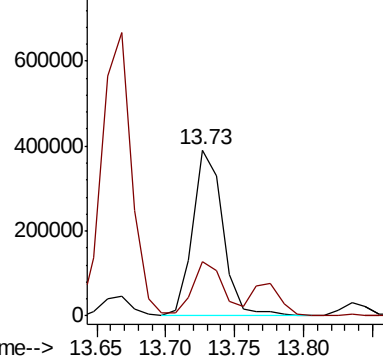
Tgt Ion: 75 Resp: 592964

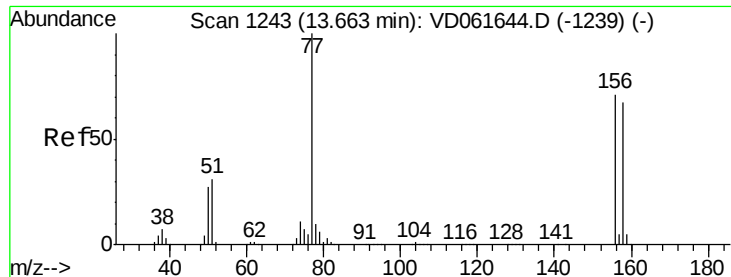
Ion	Ratio	Lower	Upper
75	100		
77	32.4	15.7	47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 95.038 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

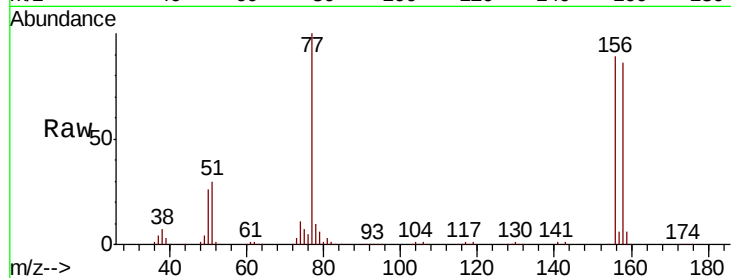
Tot Ion:156 Resp: 809856

Ion Ratio Lower Upper

156 100

77 112.3 70.3 210.8

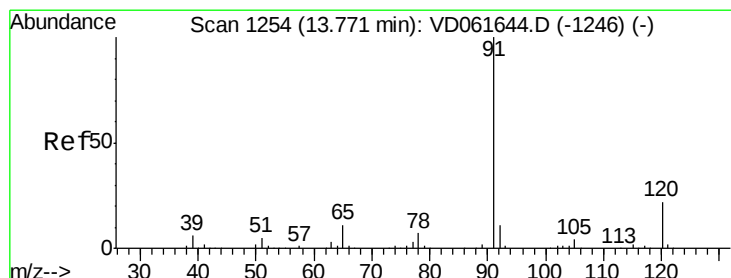
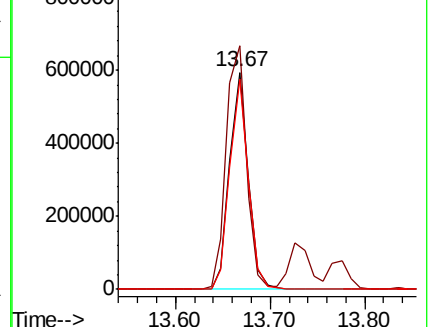
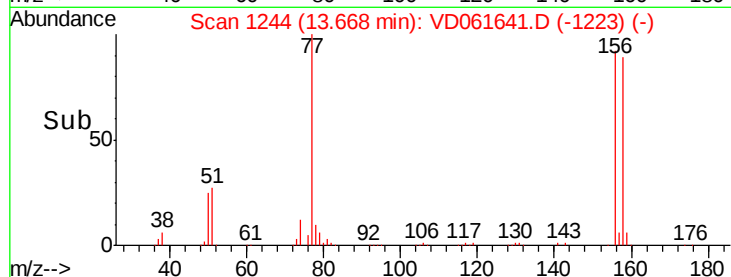
158 96.8 47.4 142.2



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: 91.864 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061641.D

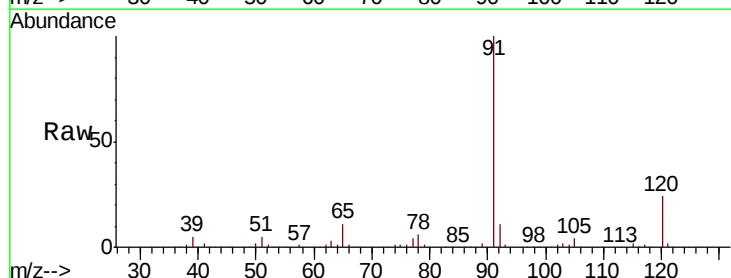
Acq: 6 Apr 2019 13:58

Tgt Ion: 91 Resp: 3143017

Ion Ratio Lower Upper

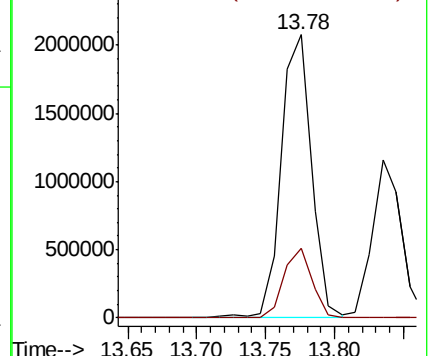
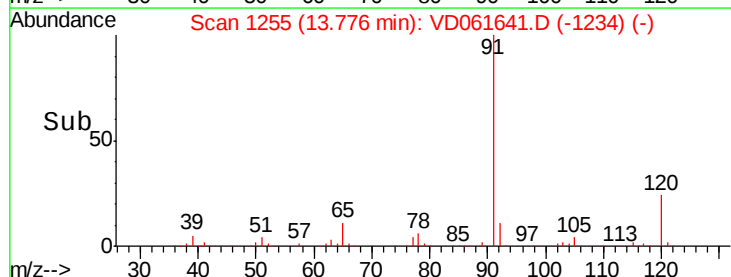
91 100

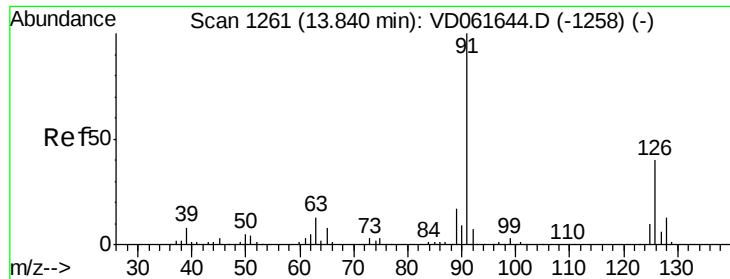
120 24.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 86.621 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

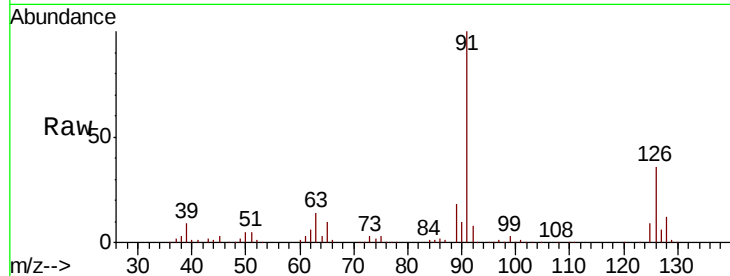
ClientSampleId :

Tot Ion: 91 Resp: 1694654

Ion Ratio Lower Upper

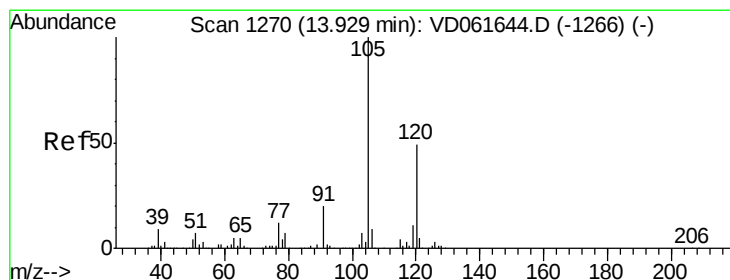
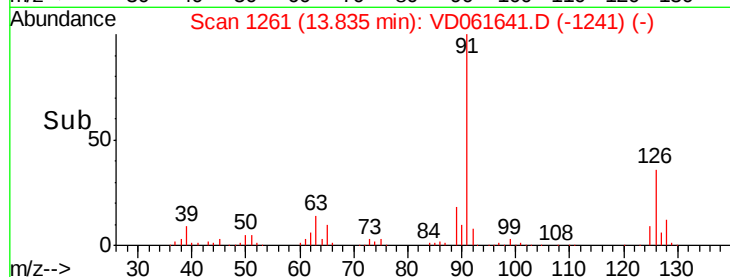
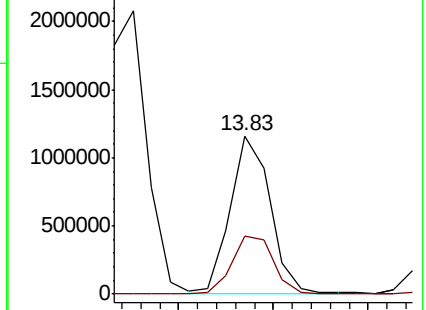
91 100

126 36.5 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 87.631 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061641.D

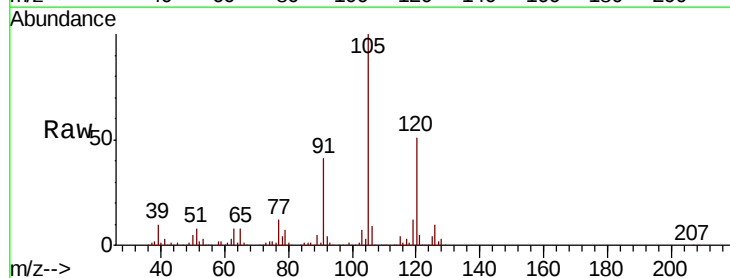
Acq: 6 Apr 2019 13:58

Tgt Ion:105 Resp: 2000365

Ion Ratio Lower Upper

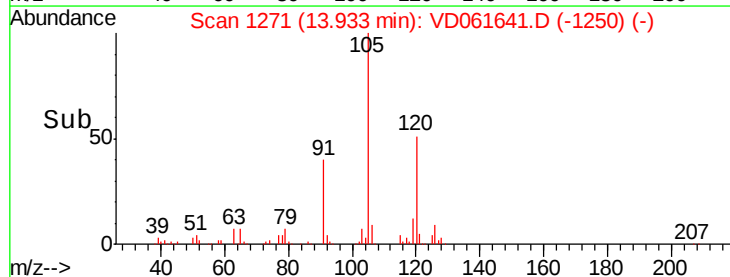
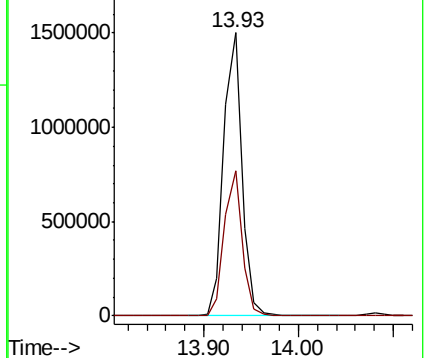
105 100

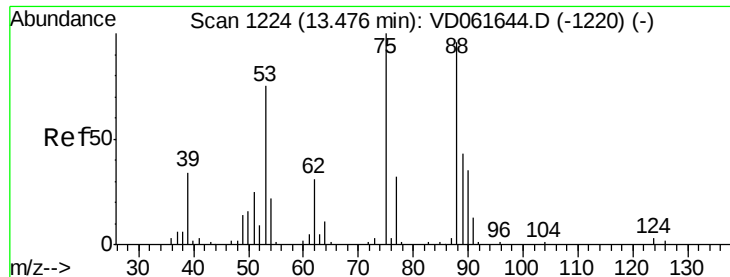
120 51.1 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 99.511 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

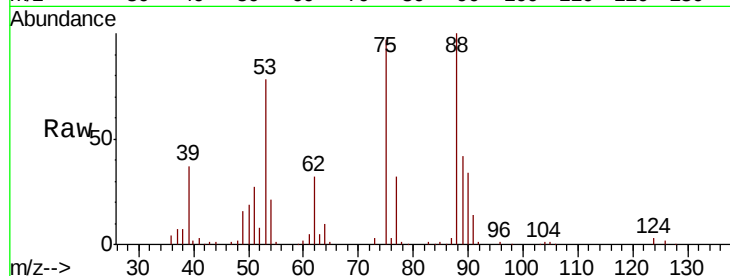
Tot Ion: 75 Resp: 178605

Ion Ratio Lower Upper

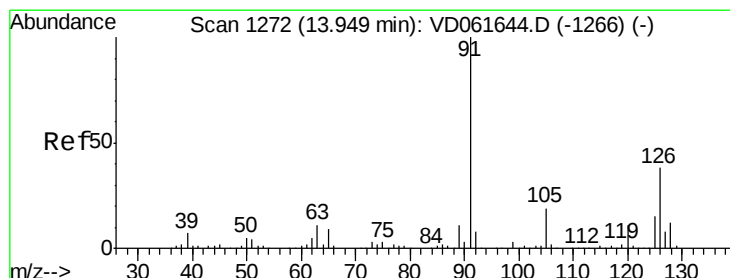
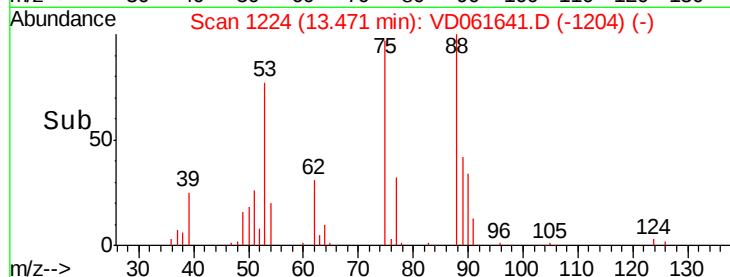
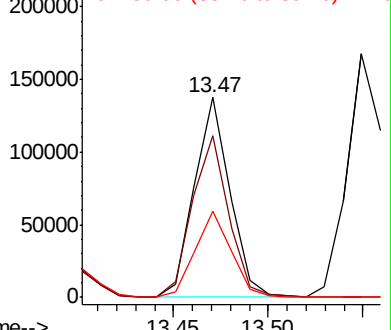
75 100

53 80.9 60.2 90.2

89 42.9 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: 81.710 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD061641.D

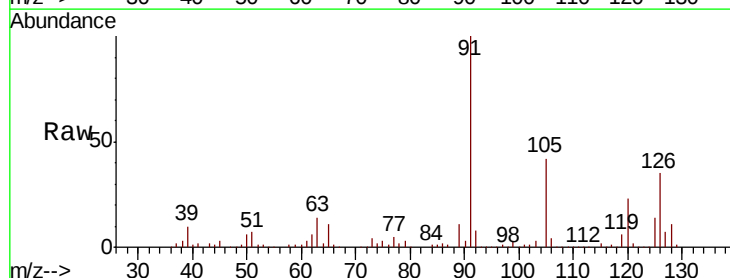
Acq: 6 Apr 2019 13:58

Tgt Ion: 91 Resp: 1746708

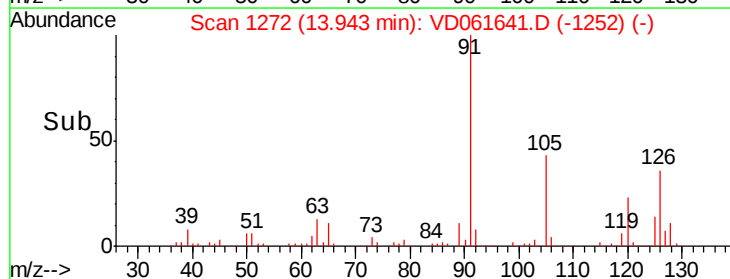
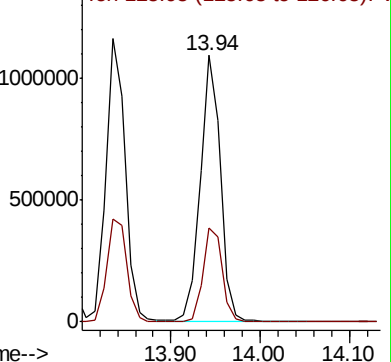
Ion Ratio Lower Upper

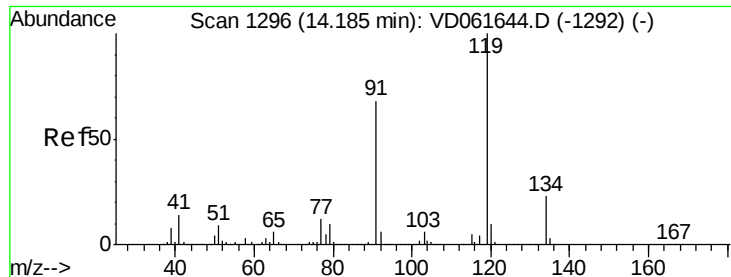
91 100

126 35.2 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: 90.180 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

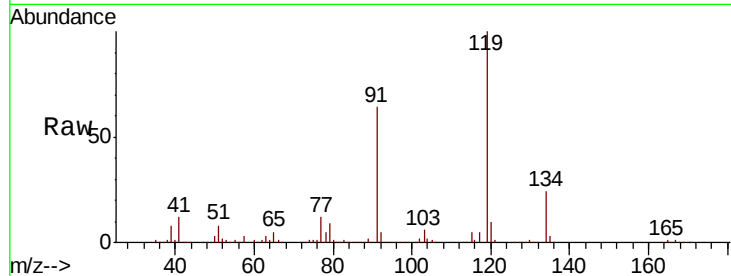
Tot Ion:119 Resp: 2462827

Ion Ratio Lower Upper

119 100

91 64.5 33.9 101.6

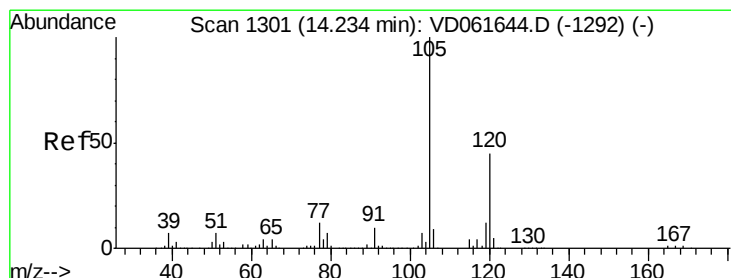
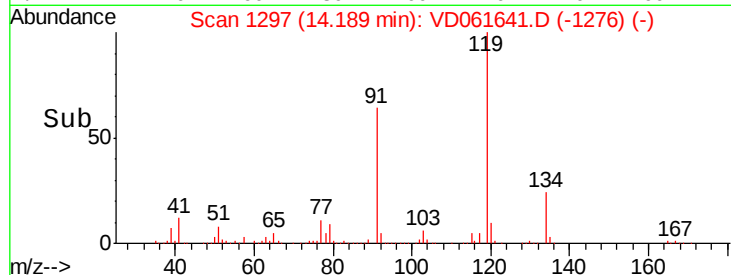
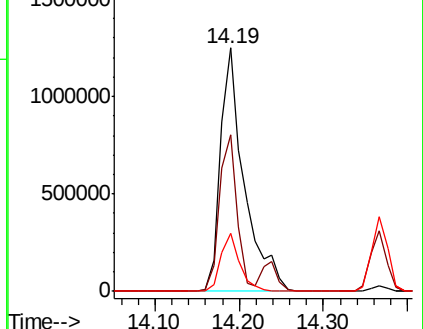
134 23.8 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 88.516 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061641.D

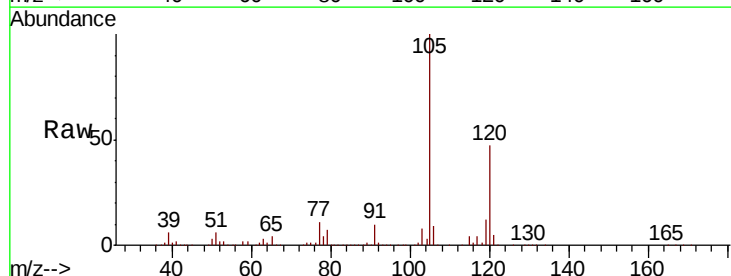
Acq: 6 Apr 2019 13:58

Tgt Ion:105 Resp: 2076346

Ion Ratio Lower Upper

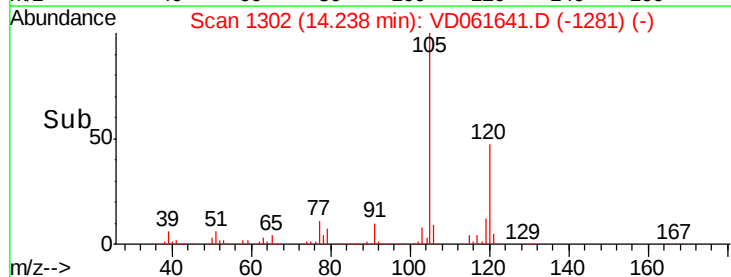
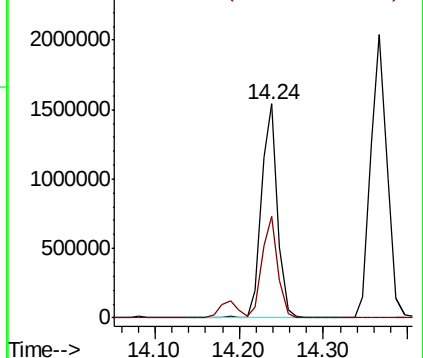
105 100

120 47.4 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

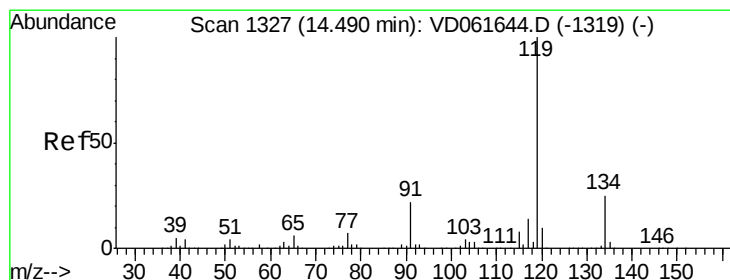
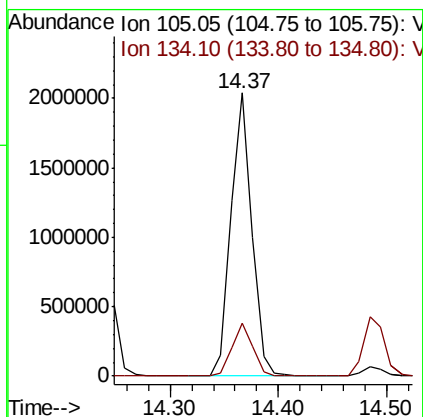
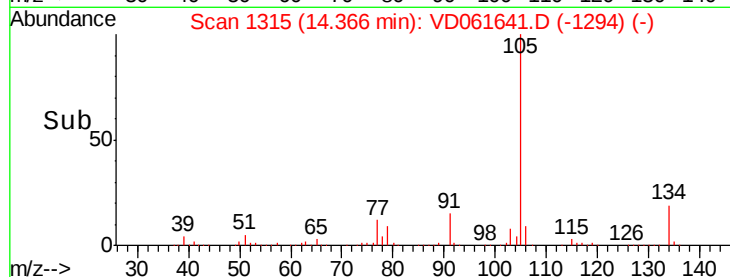
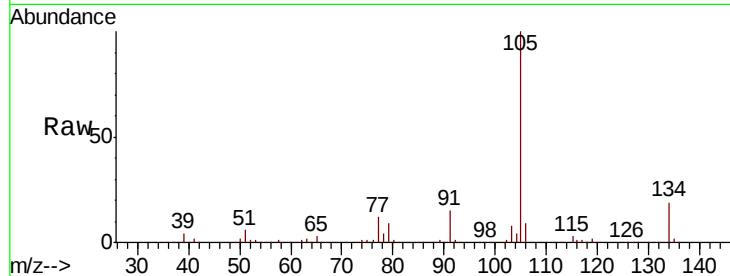




#85
 sec-Butylbenzene
 Concen: 93.830 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

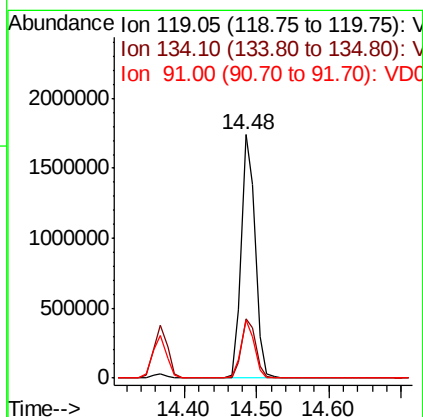
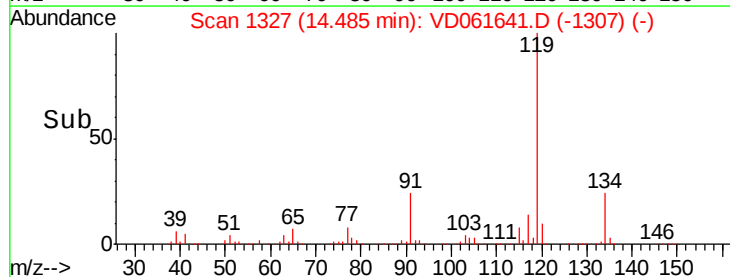
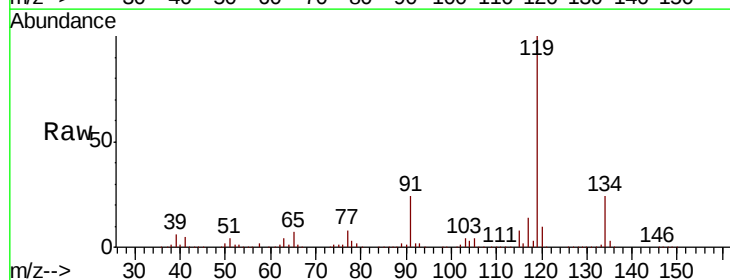
Instrument :
 MSVOA_D
 ClientSampled :

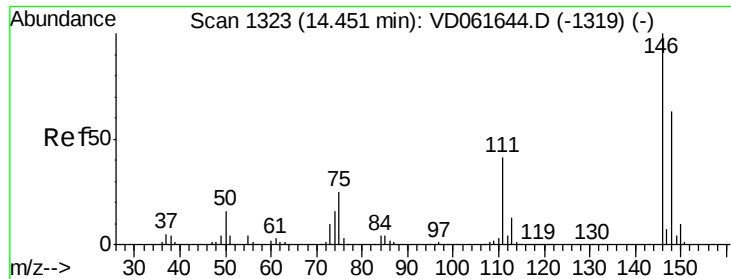
Tot Ion:105 Resp: 2736970
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 87.767 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion:119 Resp: 2361829
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 24.0 11.0 33.0

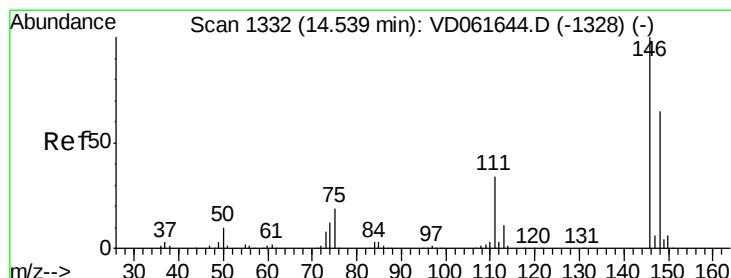
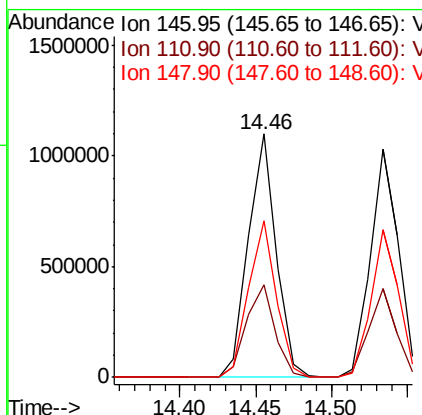
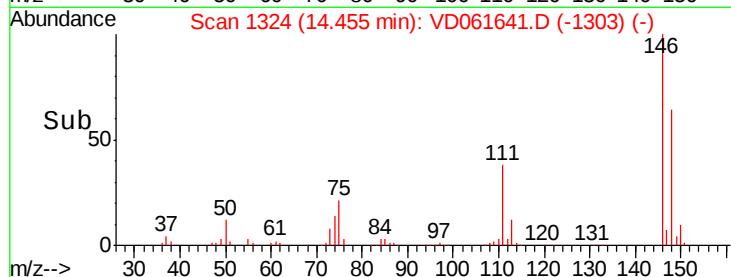
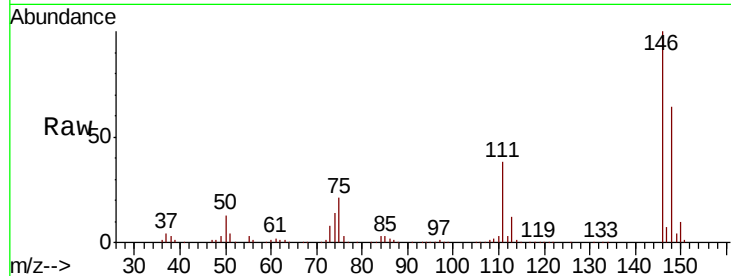




#87
 1,3-Dichlorobenzene
 Concen: 97.255 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

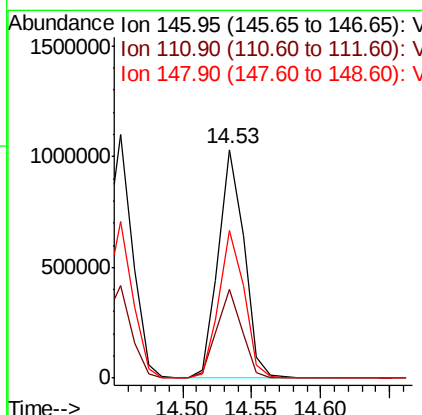
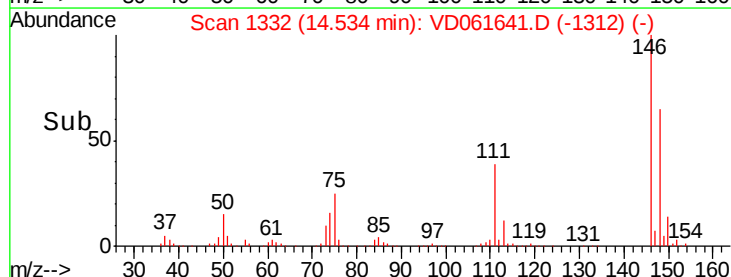
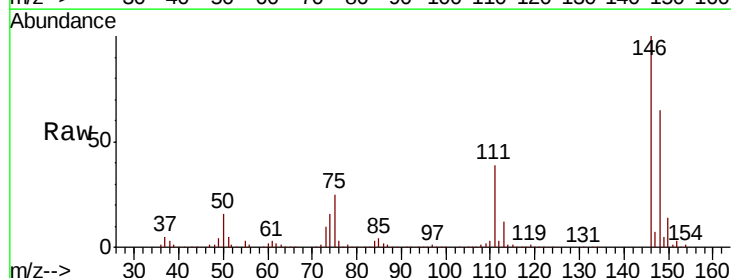
Instrument :
 MSVOA_D
 ClientSampled :

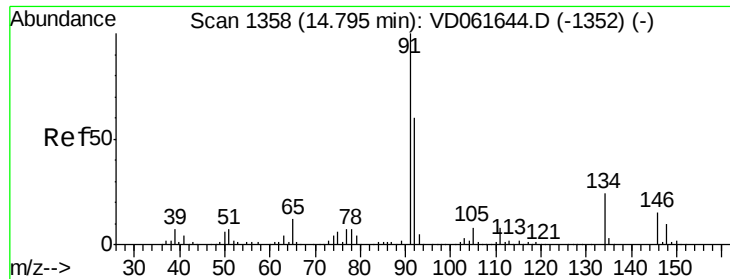
Tot Ion:146 Resp: 1411393
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.3 61.0
 148 64.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 92.861 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion:146 Resp: 1334842
 Ion Ratio Lower Upper
 146 100
 111 38.5 17.1 51.2
 148 64.5 32.6 97.7





#89

n-Butylbenzene

Concen: 83.529 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061641.D

Acq: 6 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

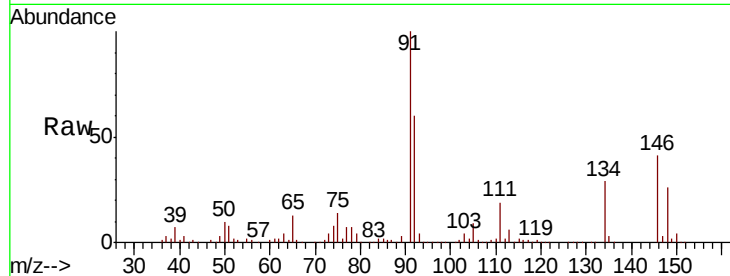
Tot Ion: 91 Resp: 1929727

Ion Ratio Lower Upper

91 100

92 60.1 29.8 89.4

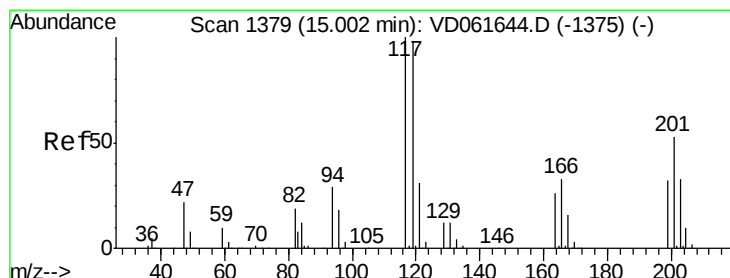
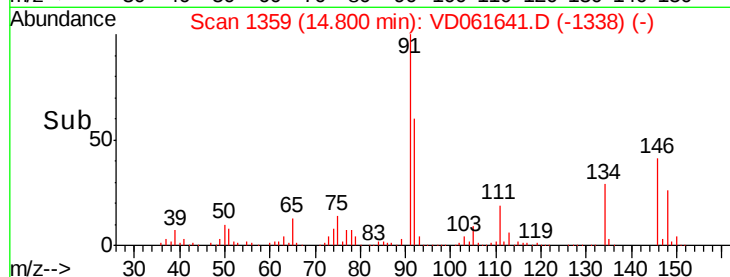
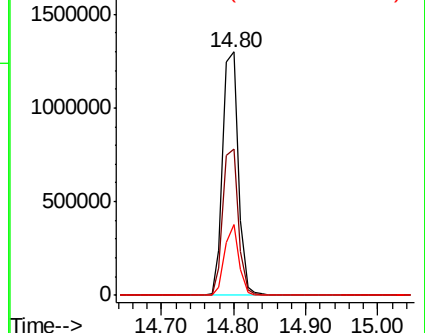
134 29.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 96.388 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061641.D

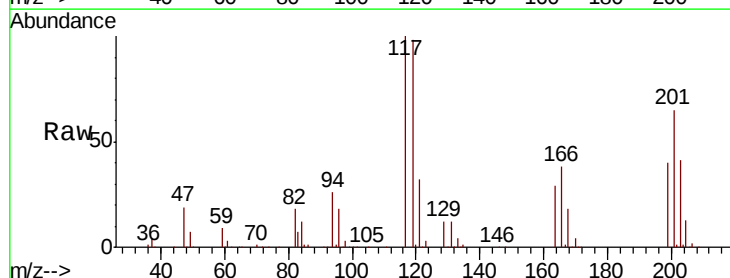
Acq: 6 Apr 2019 13:58

Tgt Ion: 117 Resp: 669534

Ion Ratio Lower Upper

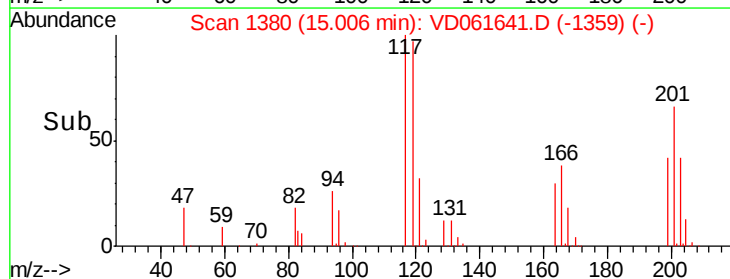
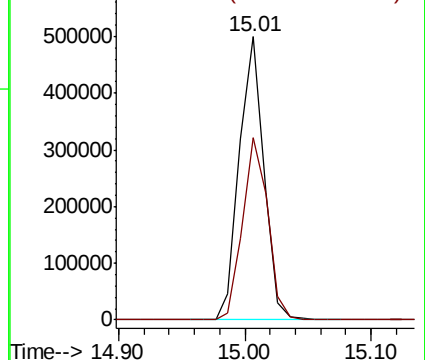
117 100

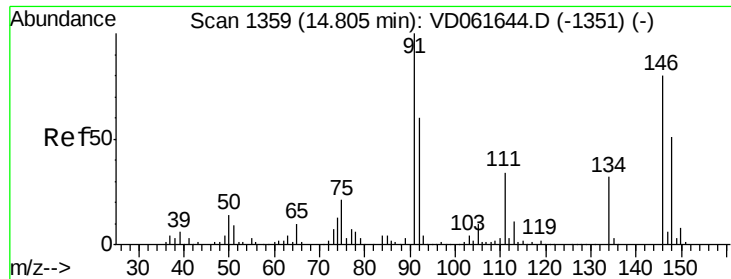
201 64.6 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

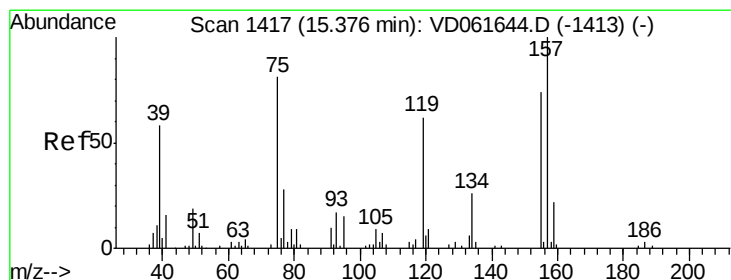
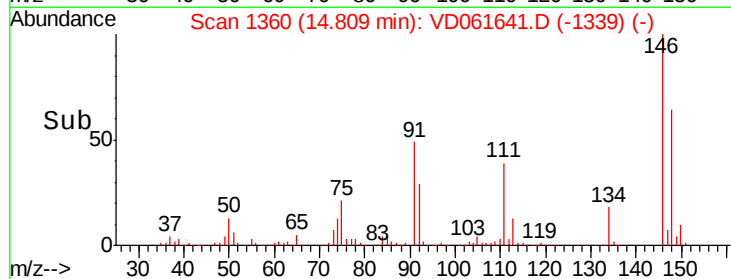
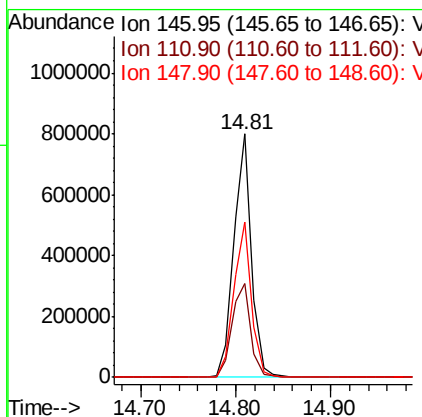
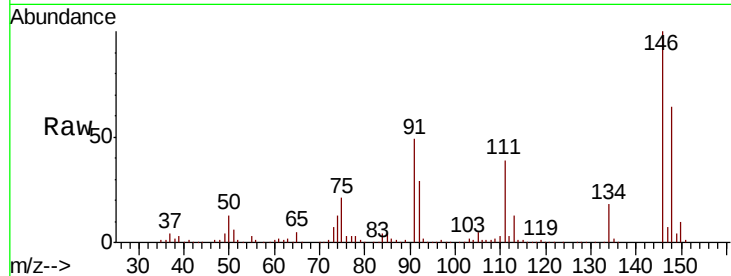




#91
 1,2-Dichlorobenzene
 Concen: 86.345 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

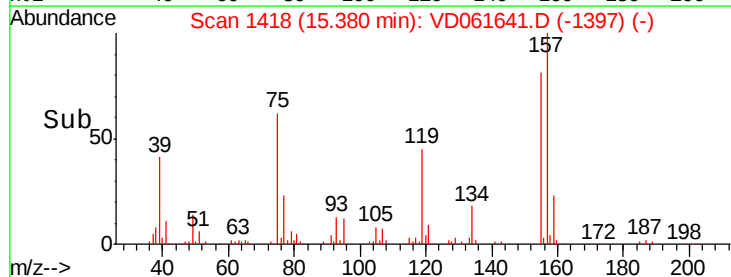
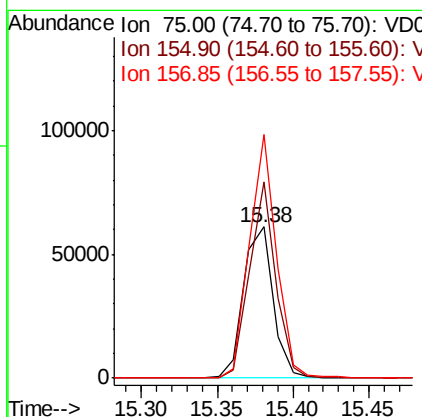
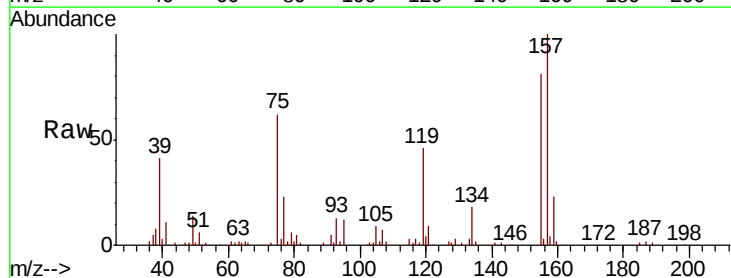
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 1027560
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.1 63.3
 148 63.7 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 113.716 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion: 75 Resp: 82747
 Ion Ratio Lower Upper
 75 100
 155 129.8 45.6 136.7
 157 161.2 61.4 184.2

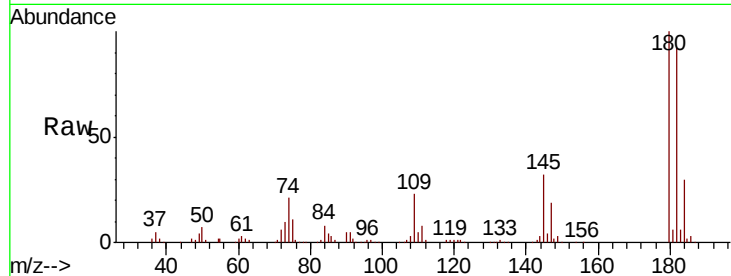




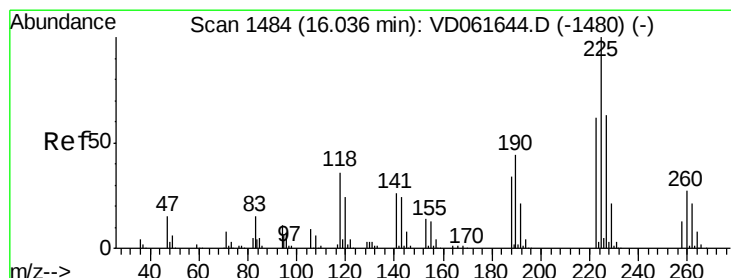
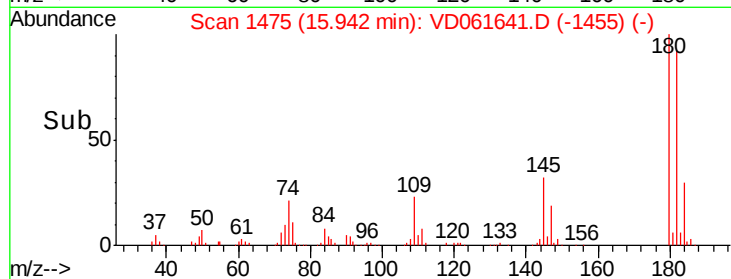
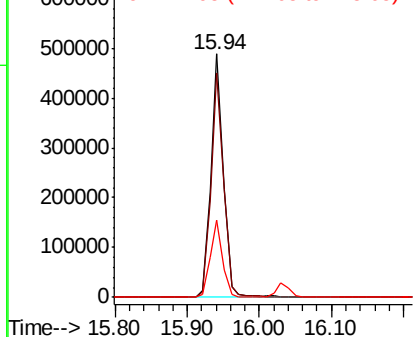
#93
 1,2,4-Trichlorobenzene
 Concen: 96.080 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 578455
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.8 143.3
 145 31.8 13.3 39.8

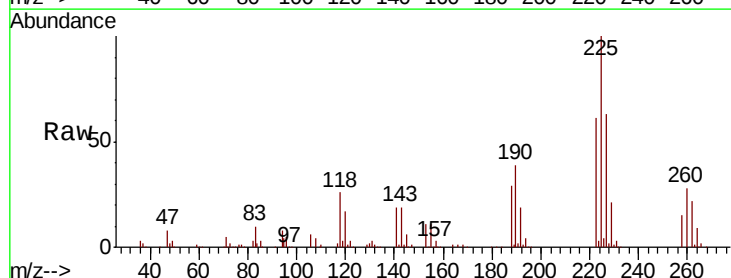


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

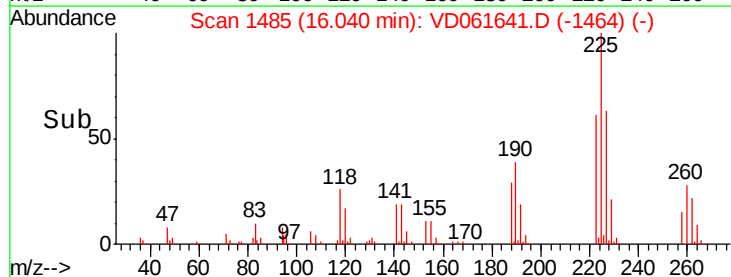
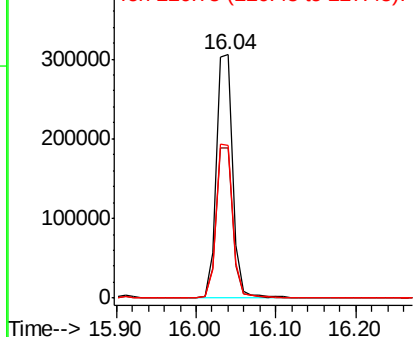


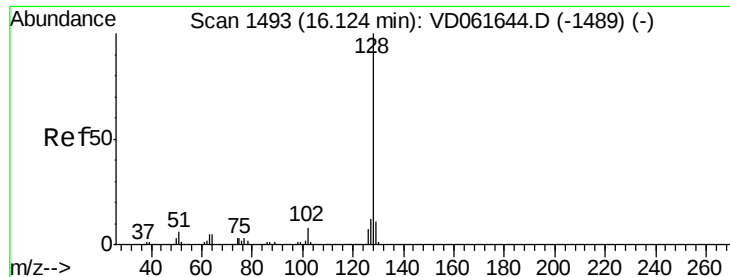
#94
 Hexachlorobutadiene
 Concen: 97.027 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061641.D
 Acq: 6 Apr 2019 13:58

Tgt Ion:225 Resp: 449489
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.8 92.3
 227 62.8 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

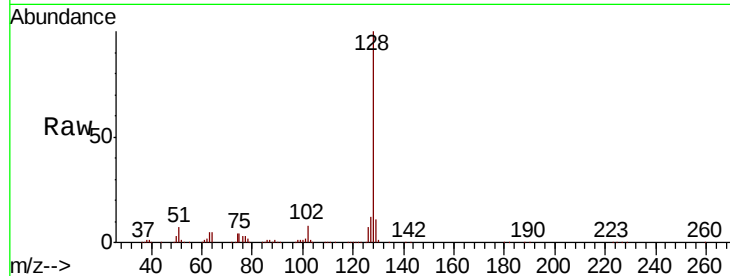




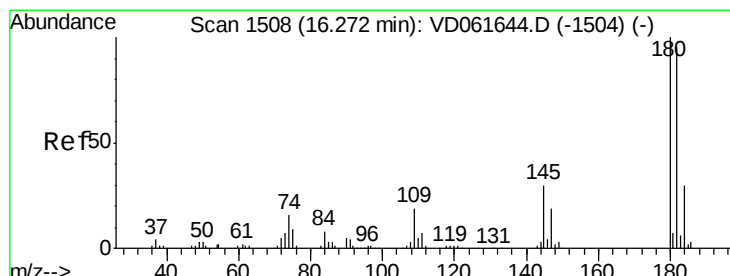
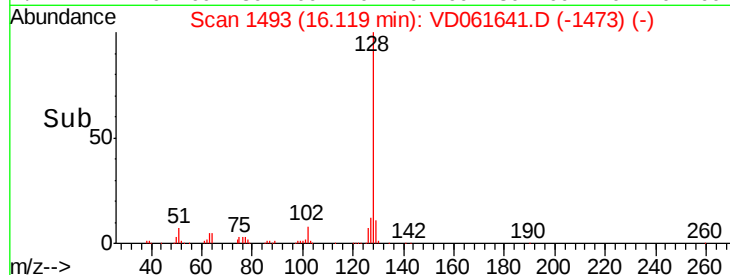
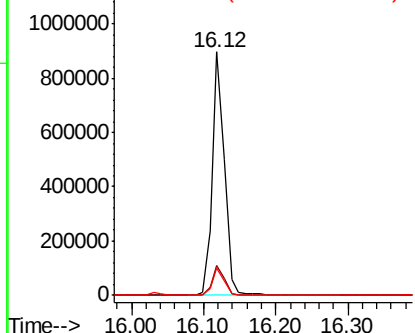
#95
Naphthalene
Concen: 108.830 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1033349
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.2
129 11.1 8.8 13.2

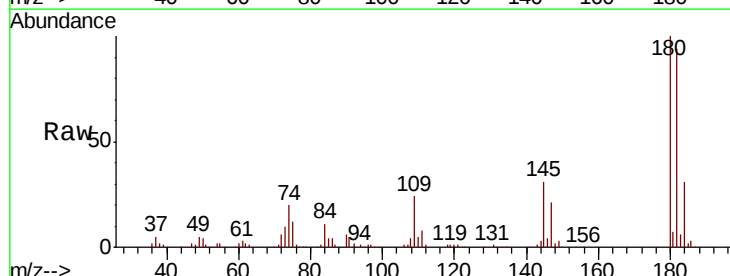


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 98.108 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD061641.D
Acq: 6 Apr 2019 13:58

Tgt Ion:180 Resp: 292460
Ion Ratio Lower Upper
180 100
182 94.4 47.3 142.0
145 31.4 15.1 45.3



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

