

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062586.D
 Acq On : 3 Jun 2019 15:30
 Operator : VA/AP
 Sample : K3097-20
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:51:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	7573	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	11215	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	8400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	4170	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	4955	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	
35) Dibromofluoromethane	6.92	113	4349	42.55	ug/l	-0.02
Spiked Amount			Recovery	=	85.10%	
50) Toluene-d8	10.41	98	9041	40.38	ug/l	0.00
Spiked Amount			Recovery	=	80.76%	
62) 4-Bromofluorobenzene	13.56	95	3645	36.10	ug/l	0.00
Spiked Amount			Recovery	=	72.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	925	7.617	ug/l #	43
4) Vinyl Chloride	1.91	62	281	4.188	ug/l #	42
5) Bromomethane	2.11	94	1472	67.560	ug/l #	12
6) Chloroethane	2.10	64	203	6.452	ug/l #	1
10) Methyl Iodide	3.35	142	1224	12.884	ug/l #	46
12) 1,1-Dichloroethene	3.14	96	267	4.508	ug/l #	1
14) Allyl chloride	3.59	41	240	2.594	ug/l #	7
16) Acetone	3.22	43	1540	88.270	ug/l #	60
23) Vinyl Acetate	5.15	43	255	2.225	ug/l #	80
25) 2-Butanone	6.06	43	246	14.972	ug/l #	62
30) Chloroform	6.68	83	275	1.871	ug/l #	20
36) 1,1-Dichloropropene	7.06	75	777	6.960	ug/l #	41
37) Ethyl Acetate	6.06	43	246	5.227	ug/l #	72
38) Carbon Tetrachloride	7.04	117	262	1.576	ug/l #	15
51) 4-Methyl-2-Pentanone	10.31	43	224	5.481	ug/l #	42
53) t-1,3-Dichloropropene	10.97	75	183	1.742	ug/l #	1
57) 1,3-Dichloropropane	11.52	76	178	2.353	ug/l #	41
64) Tetrachloroethene	11.23	164	443	5.966	ug/l #	1
67) Ethyl Benzene	12.54	91	1447	4.826	ug/l #	47
68) m/p-Xylenes	12.67	106	1147	11.059	ug/l	91
74) N-amyl acetate	13.27	43	191	2.725	ug/l #	51
76) 1,2,3-Trichloropropane	13.71	75	389	7.776	ug/l #	42
78) n-propylbenzene	13.77	91	1118	3.528	ug/l #	57
79) 2-Chlorotoluene	13.86	91	513	2.792	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.94	105	2011	8.561	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.56	75	2233	155.771	ug/l #	5
82) 4-Chlorotoluene	13.95	91	248	1.127	ug/l #	41
83) tert-Butylbenzene	14.23	119	863	3.292	ug/l #	85
84) 1,2,4-Trimethylbenzene	14.24	105	5880	24.564	ug/l	99
85) sec-Butylbenzene	14.24	105	5880	21.176	ug/l #	60
87) 1,3-Dichlorobenzene	14.46	146	207	1.584	ug/l #	25
88) 1,4-Dichlorobenzene	14.46	146	207	1.581	ug/l #	26
89) n-Butylbenzene	14.81	91	1084	4.681	ug/l #	30
90) Hexachloroethane	15.14	117	690	10.025	ug/l #	6

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Response via : Initial Calibration

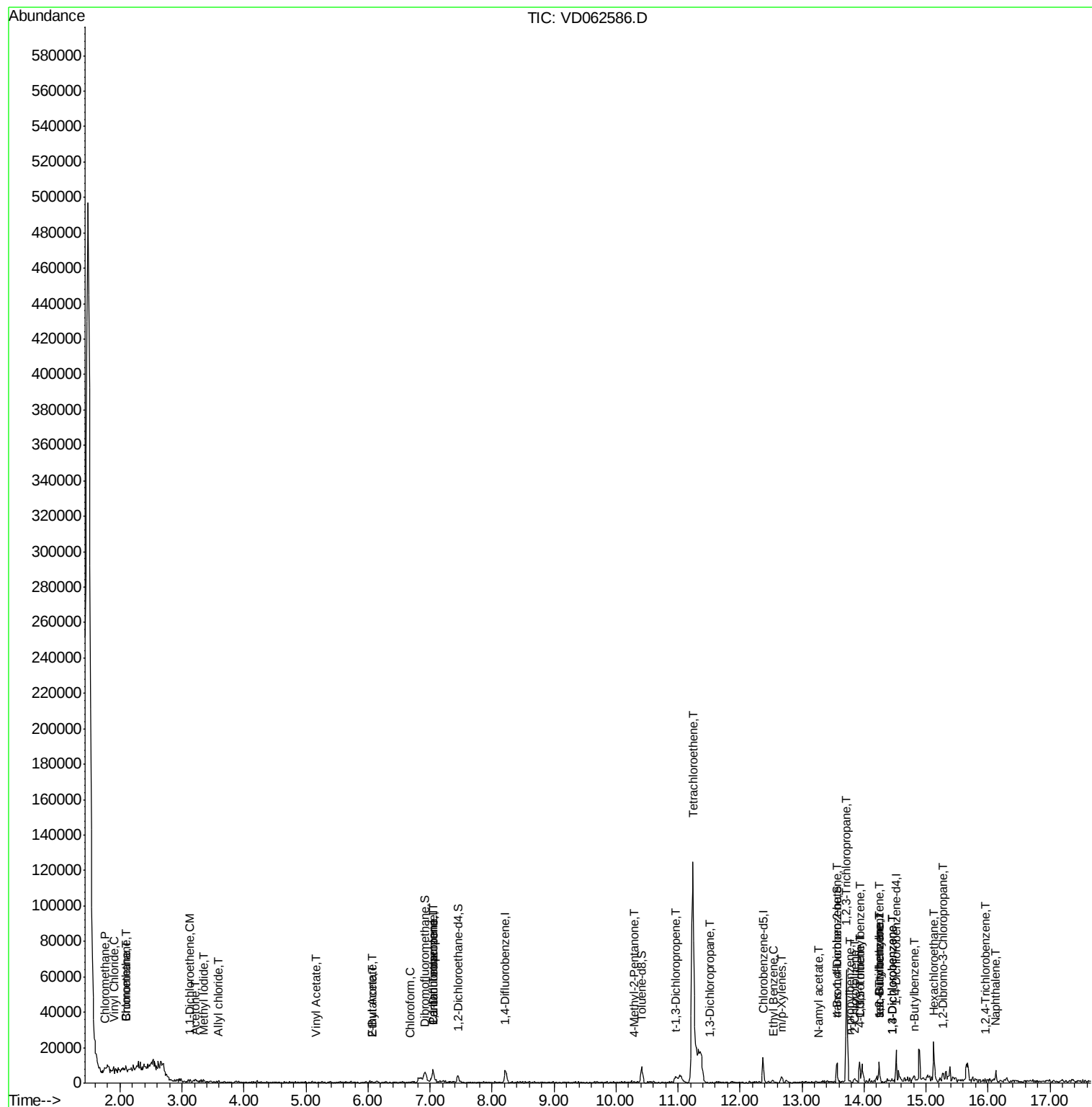
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	15.26	75	215	23.782	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.96	180	419	4.767	ug/l #	11
95) Naphthalene	16.13	128	5257	43.921	ug/l #	87

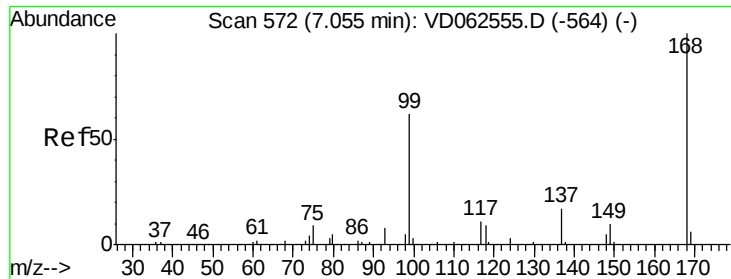
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

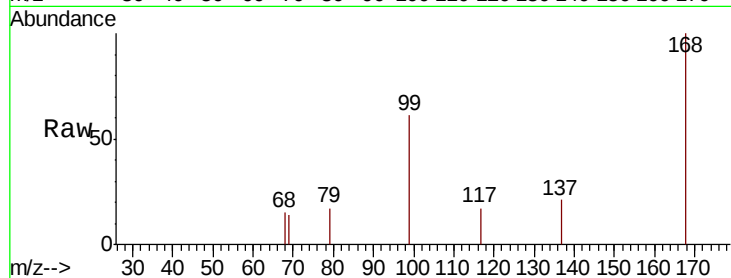
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:168 Resp: 7573

Ion Ratio Lower Upper

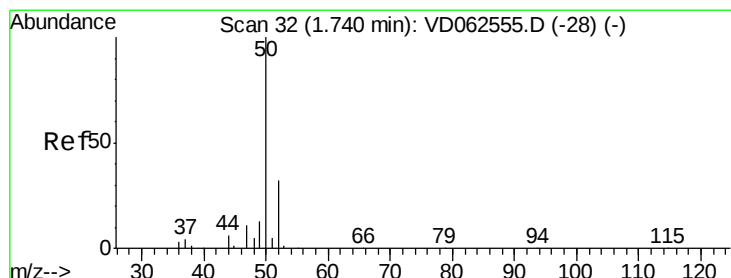
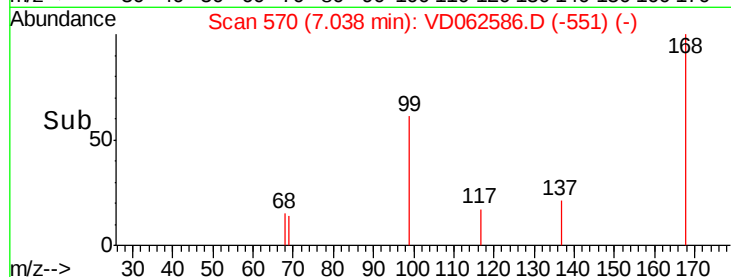
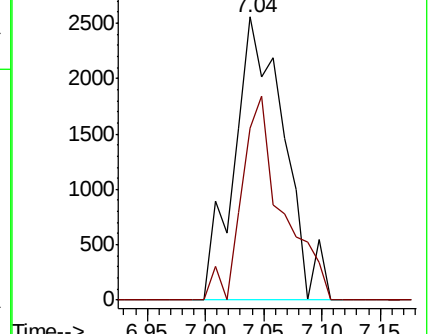
168 100

99 61.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 7.617 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062586.D

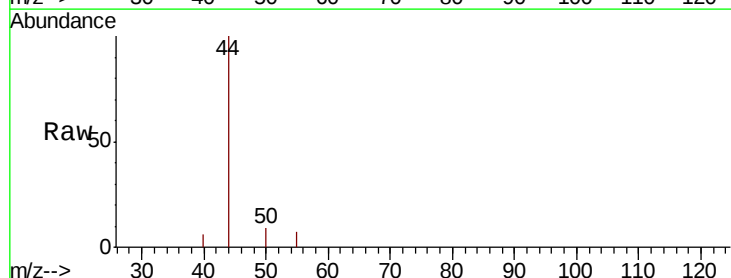
Acq: 3 Jun 2019 15:30

Tgt Ion: 50 Resp: 925

Ion Ratio Lower Upper

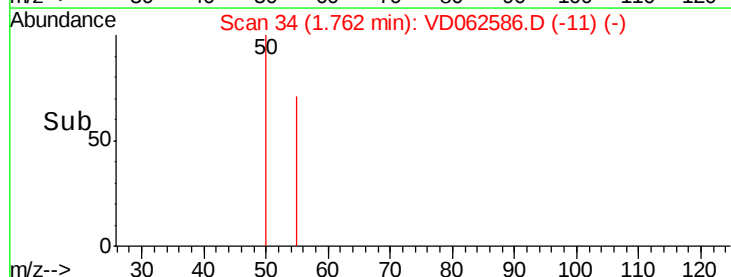
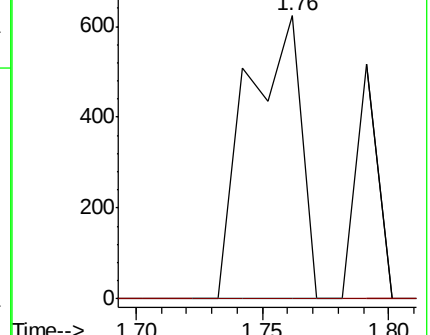
50 100

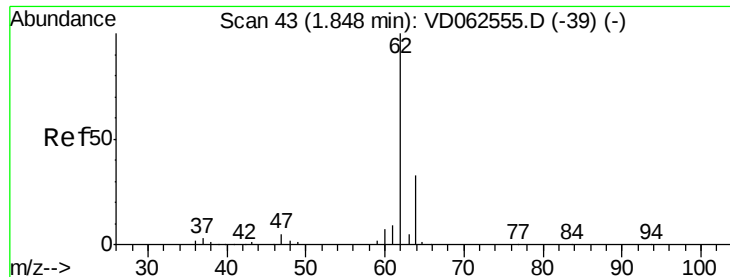
52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 4.188 ug/l

RT: 1.91 min Scan# 49

Delta R.T. 0.06 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

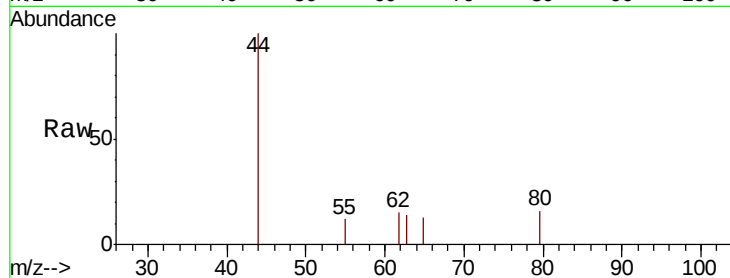
ClientSampled :

Tot Ion: 62 Resp: 281

Ion Ratio Lower Upper

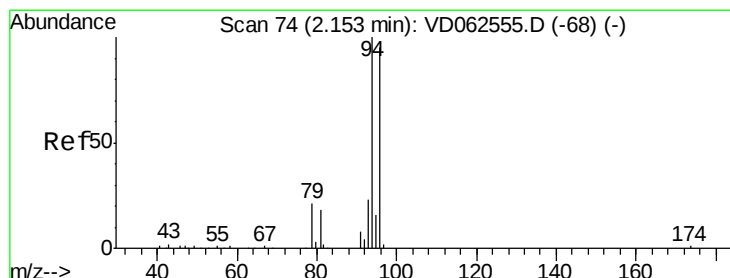
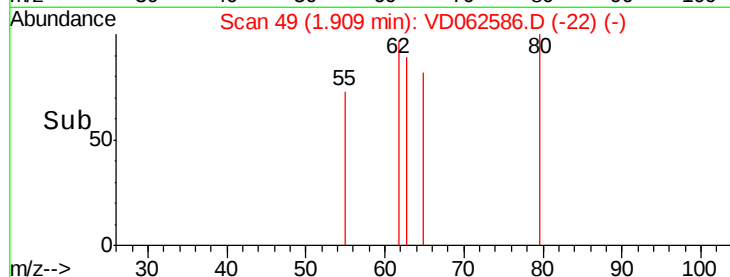
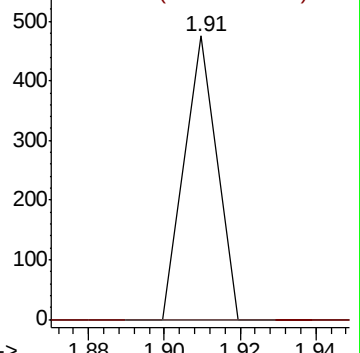
62 100

64 0.0 26.5 39.7#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#5

Bromomethane

Concen: 67.560 ug/l

RT: 2.11 min Scan# 69

Delta R.T. -0.05 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

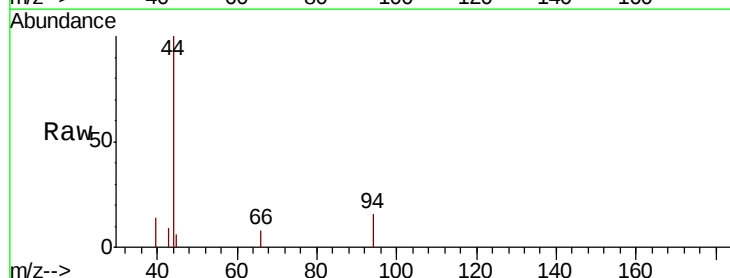
Tgt Ion: 94 Resp: 1472

Ion Ratio Lower Upper

94 100

96 0.0 76.2 114.4#

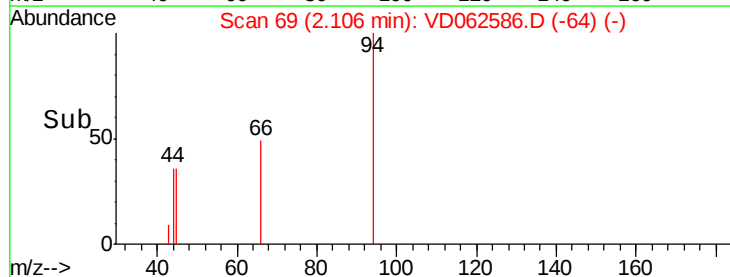
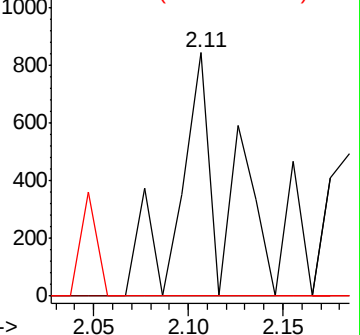
93 0.0 18.4 27.6#

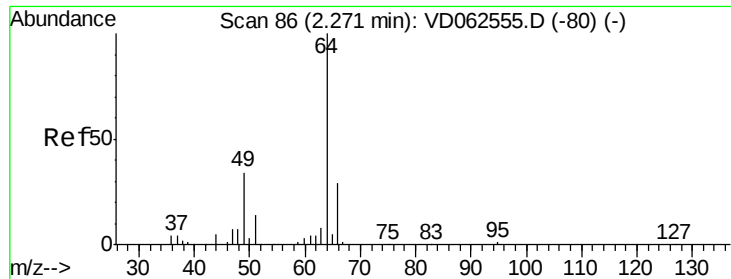


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 6.452 ug/l

RT: 2.10 min Scan# 68

Delta R.T. -0.17 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

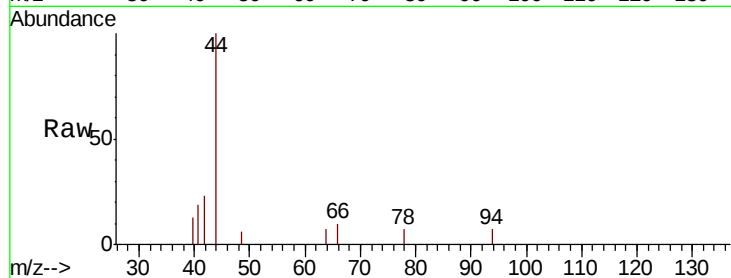
ClientSampled :

Tot Ion: 64 Resp: 203

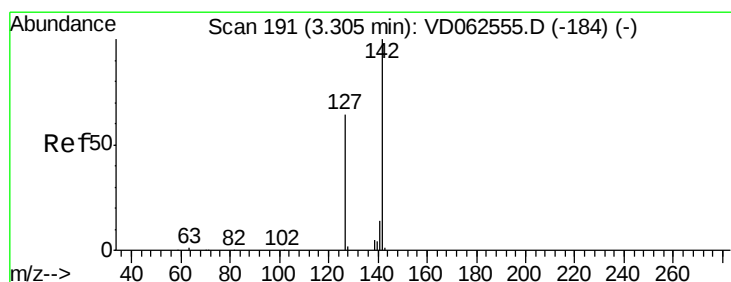
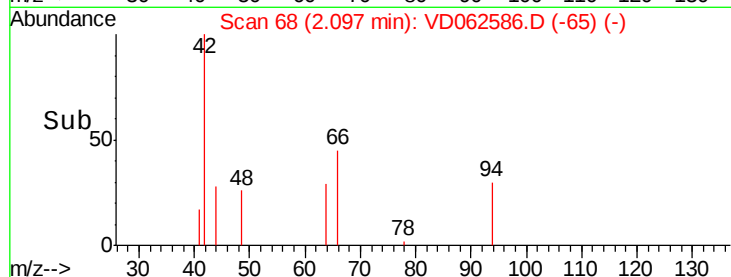
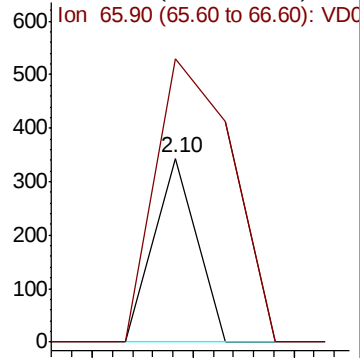
Ion Ratio Lower Upper

64 100

66 153.8 23.4 35.2#



Abundance Ion 63.95 (63.65 to 64.65): VD062555.D (-80) (-)



#10

Methyl Iodide

Concen: 12.884 ug/l

RT: 3.35 min Scan# 195

Delta R.T. 0.04 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

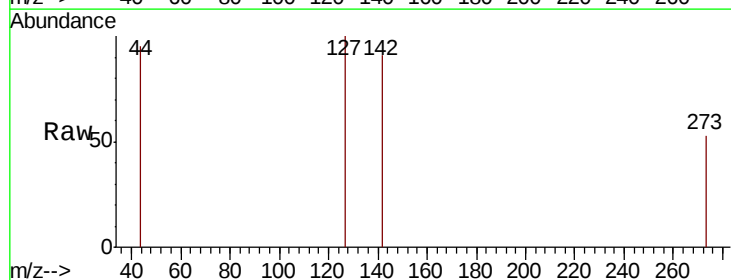
Tgt Ion: 142 Resp: 1224

Ion Ratio Lower Upper

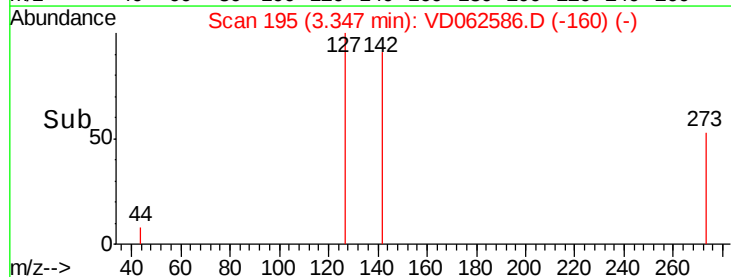
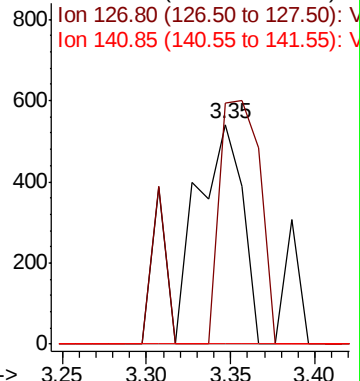
142 100

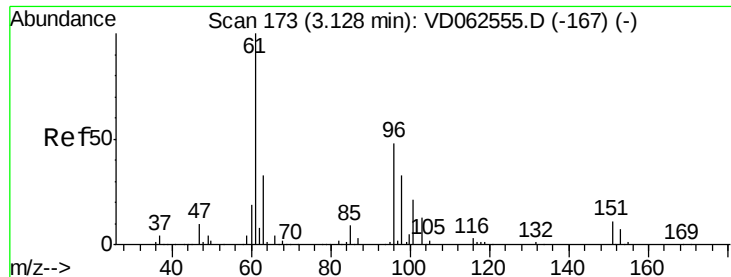
127 109.6 51.2 76.8#

141 0.0 11.0 16.4#



Abundance Ion 141.85 (141.55 to 142.55): VD062555.D (-184) (-)





#12

1,1-Dichloroethene

Concen: 4.508 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

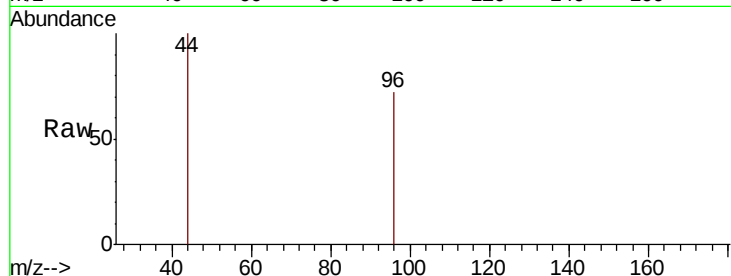
Tot Ion: 96 Resp: 267

Ion Ratio Lower Upper

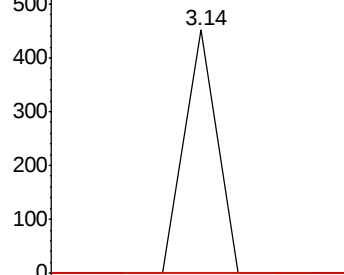
96 100

61 0.0 166.6 250.0#

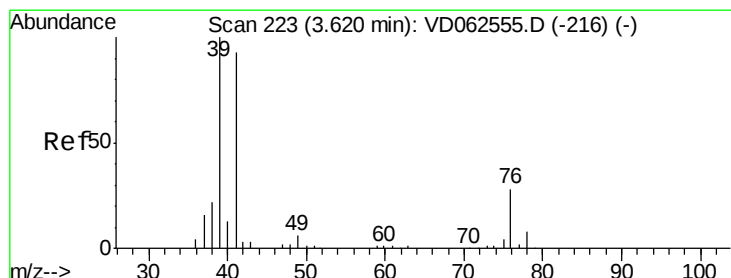
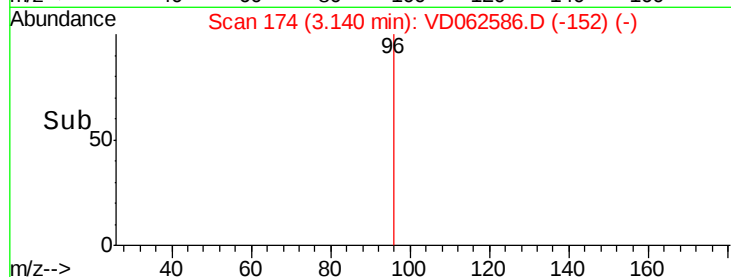
98 0.0 54.4 81.6#



Abundance Ion 95.90 (95.60 to 96.60): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 97.85 (97.55 to 98.55): VD0



Time-->



#14

Allyl chloride

Concen: 2.594 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

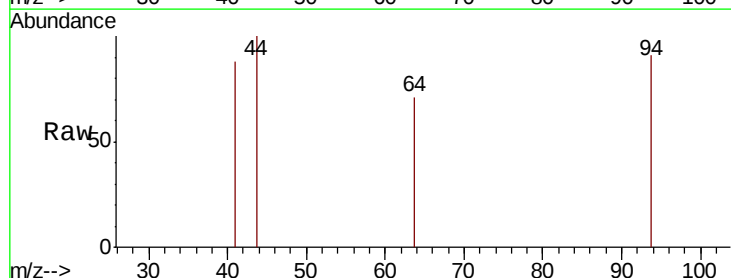
Tgt Ion: 41 Resp: 240

Ion Ratio Lower Upper

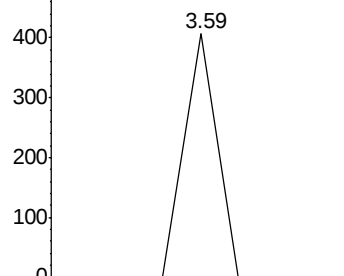
41 100

39 0.0 86.3 129.5#

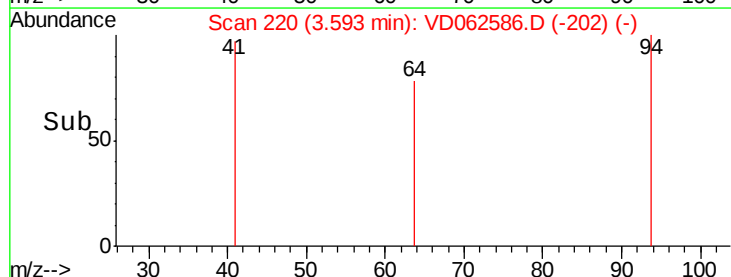
76 0.0 25.5 38.3#

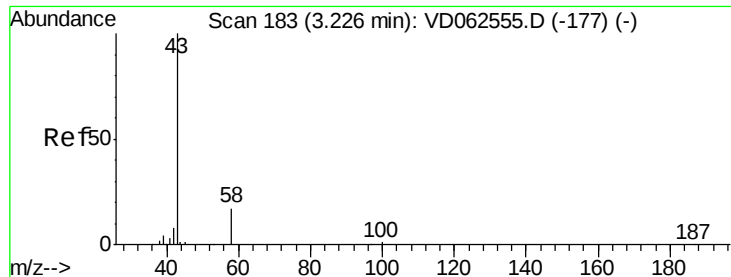


Abundance Ion 41.05 (40.75 to 41.75): VD0
Ion 38.95 (38.65 to 39.65): VD0
Ion 75.95 (75.65 to 76.65): VD0



Time-->





#16

Acetone

Concen: 88.270 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

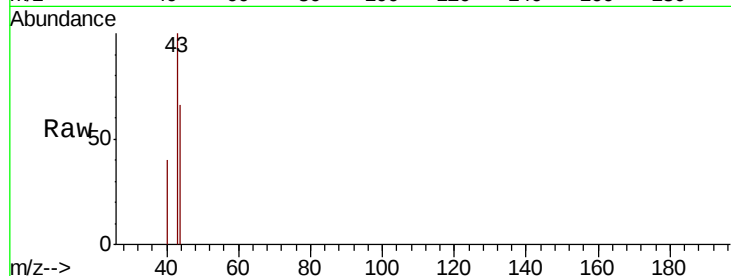
ClientSampled :

Tot Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

58 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

800

600

400

200

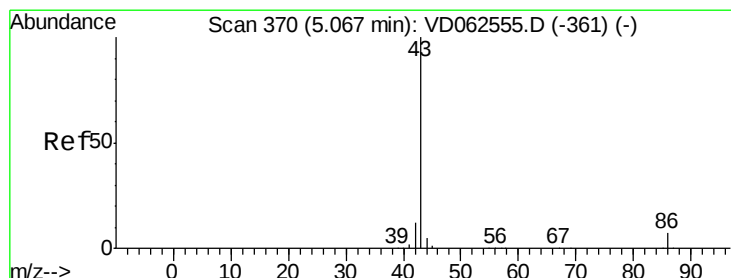
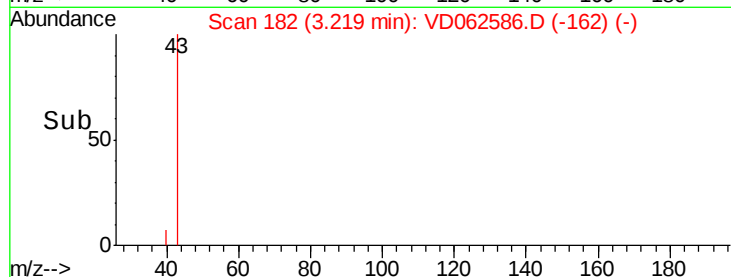
0

3.15

3.20

3.25

Time-->



#23

Vinyl Acetate

Concen: 2.225 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.08 min

Lab File: VD062586.D

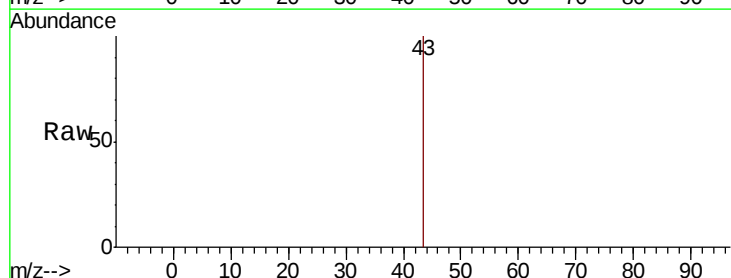
Acq: 3 Jun 2019 15:30

Tgt Ion: 43 Resp: 255

Ion Ratio Lower Upper

43 100

86 0.0 5.5 8.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.15

400

300

200

100

0

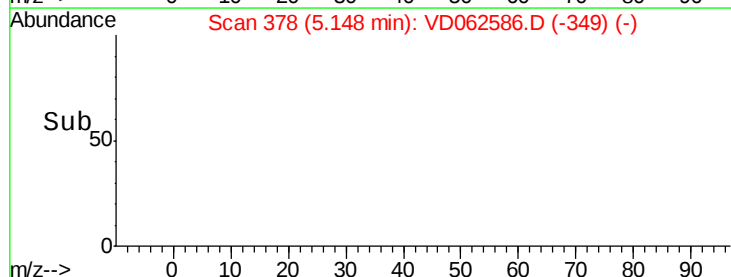
5.12

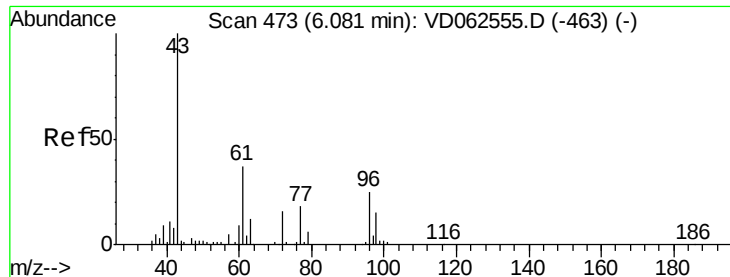
5.14

5.16

5.18

Time-->

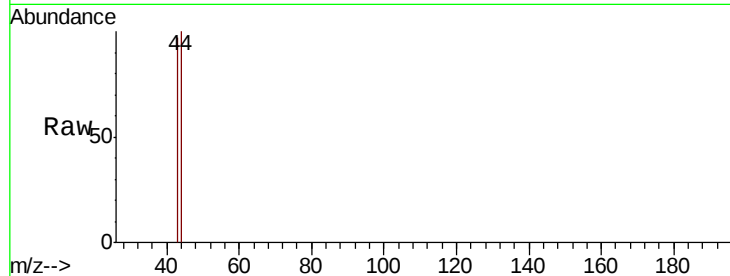




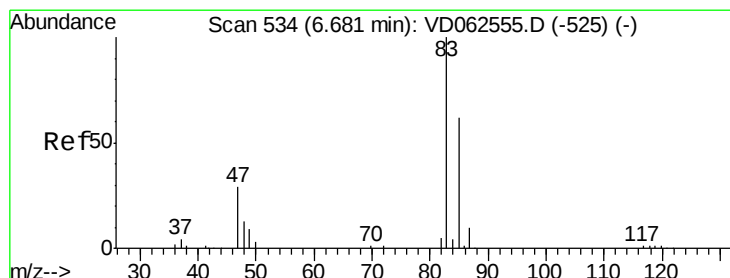
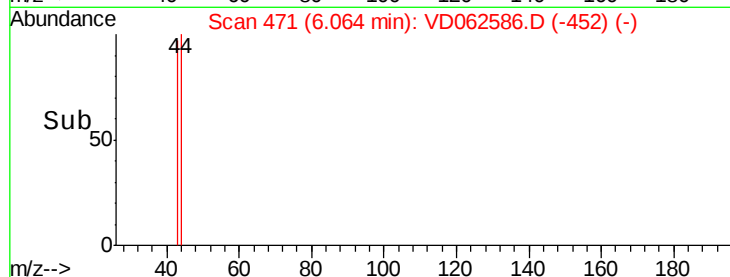
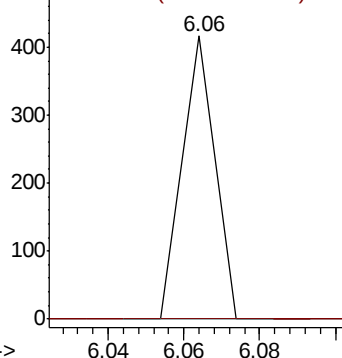
#25
2-Butanone
Concen: 14.972 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.02 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
72 0.0 12.7 19.1#

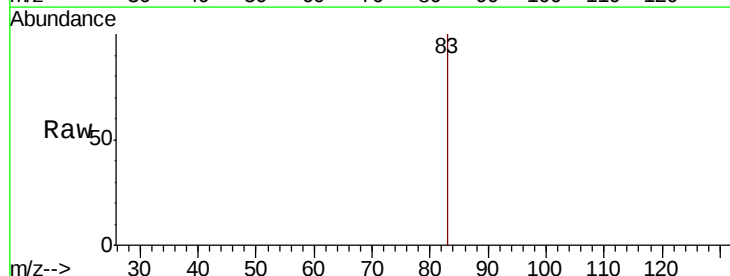


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

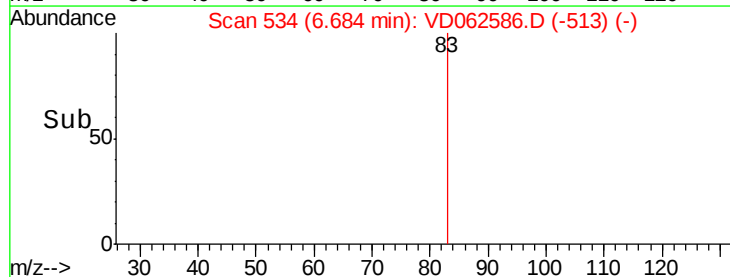
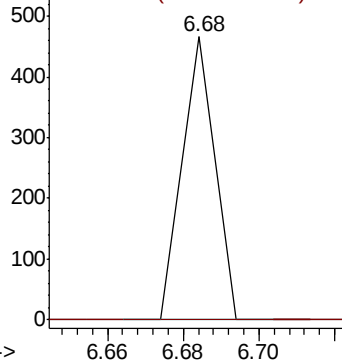


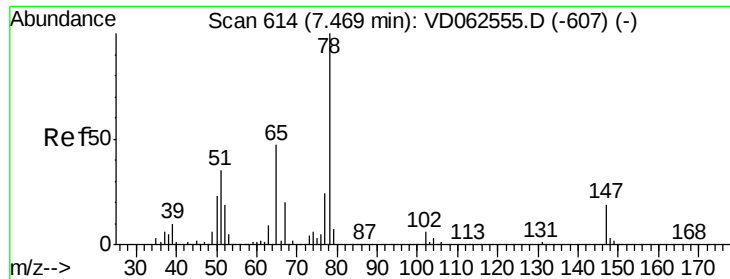
#30
Chloroform
Concen: 1.871 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Tgt Ion: 83 Resp: 275
Ion Ratio Lower Upper
83 100
85 0.0 49.4 74.0#



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 55.802 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

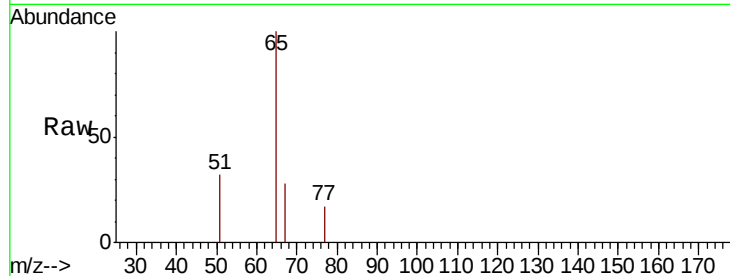
ClientSampled :

Tot Ion: 65 Resp: 4955

Ion Ratio Lower Upper

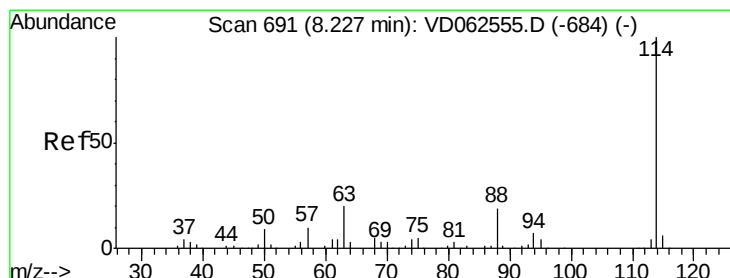
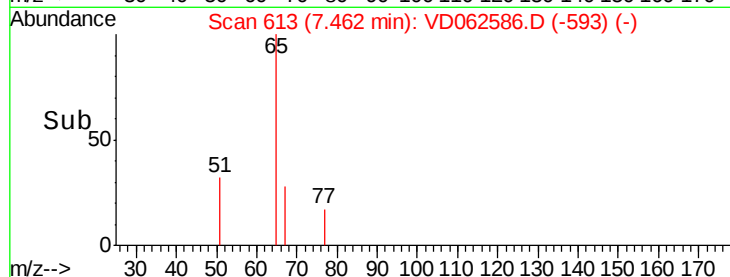
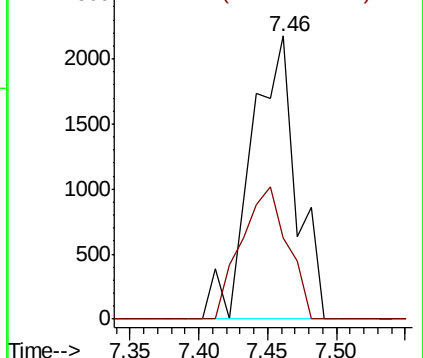
65 100

67 28.5 0.0 83.6



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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

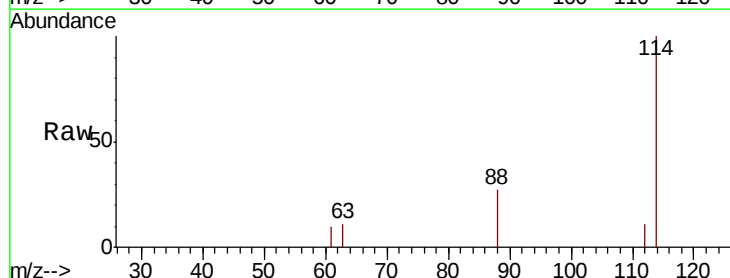
Tgt Ion: 114 Resp: 11215

Ion Ratio Lower Upper

114 100

63 11.2 0.0 40.6

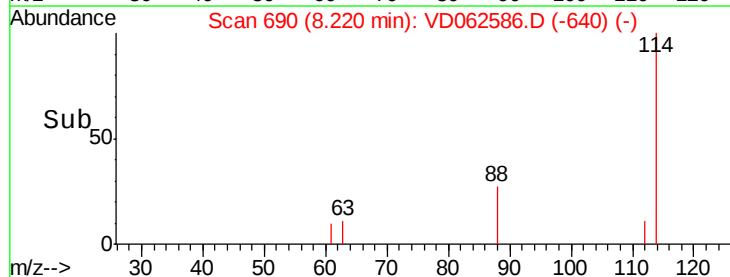
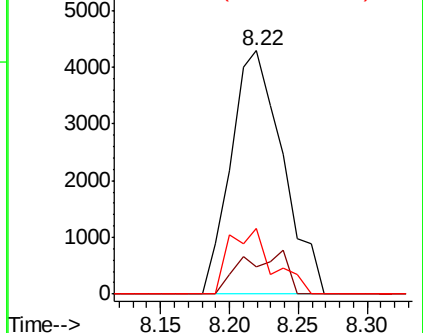
88 27.1 0.0 37.6

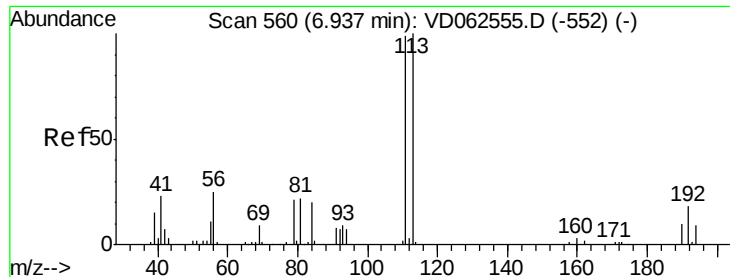


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 42.555 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

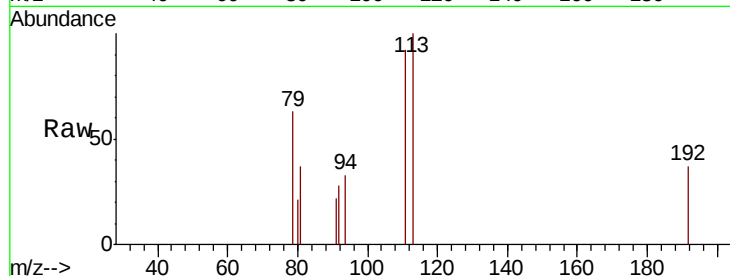
Tot Ion:113 Resp: 4349

Ion Ratio Lower Upper

113 100

111 91.9 78.8 118.2

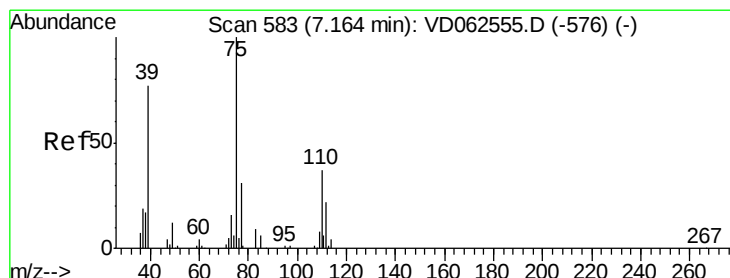
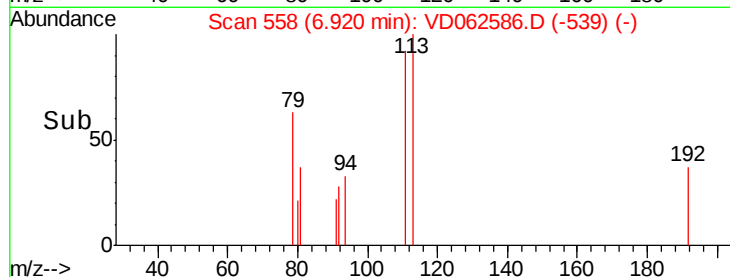
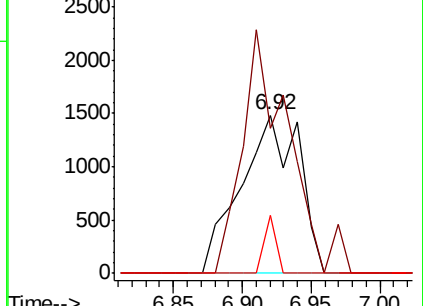
192 36.5 14.6 22.0#



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: 6.960 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

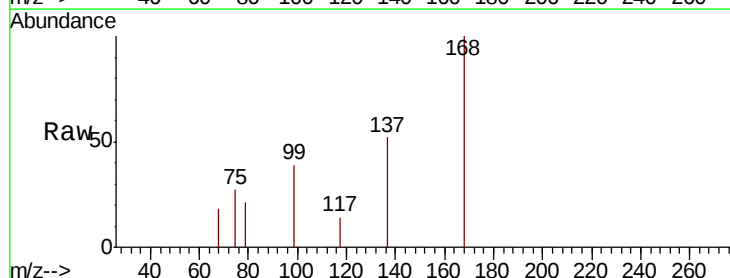
Tgt Ion: 75 Resp: 777

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

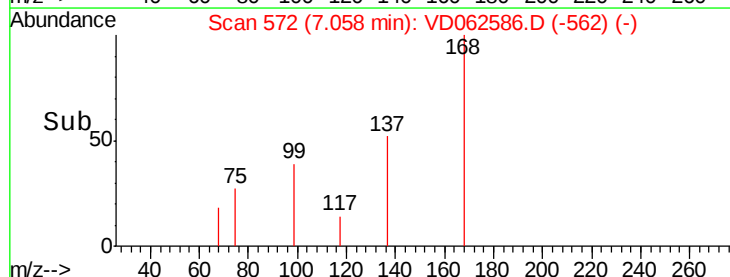
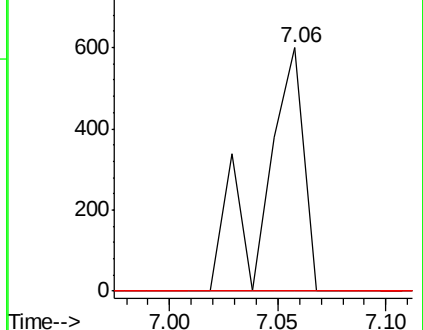
77 0.0 24.4 36.6#

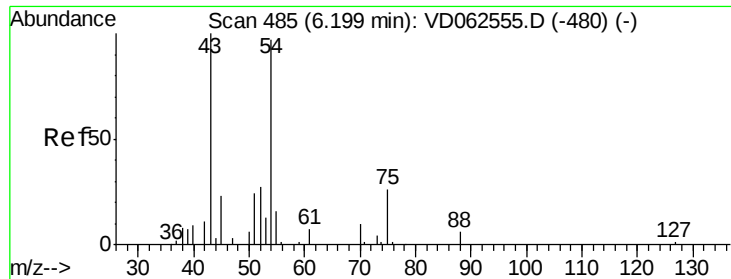


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

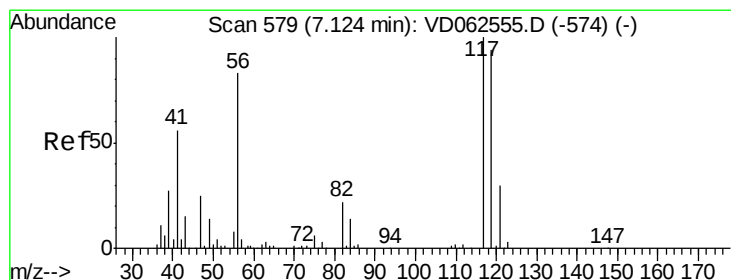
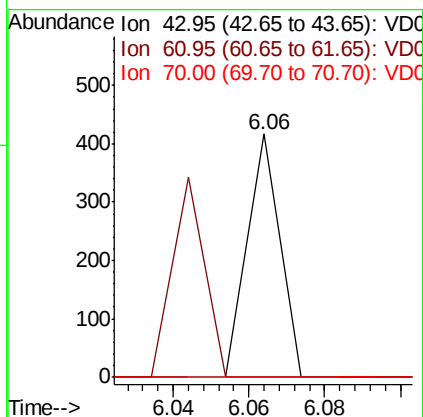
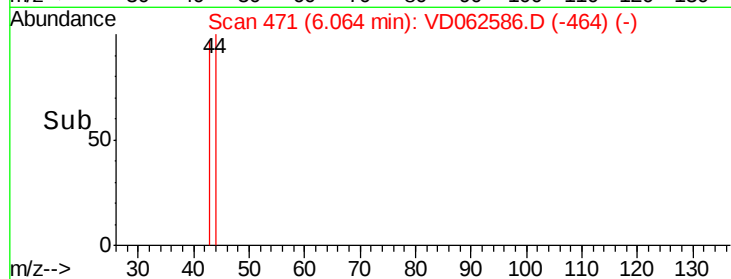
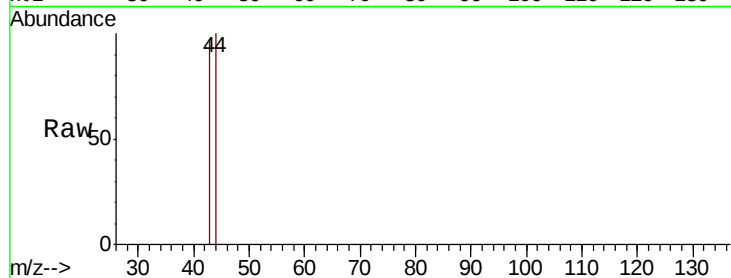




#37
Ethyl Acetate
Concen: 5.227 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.14 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

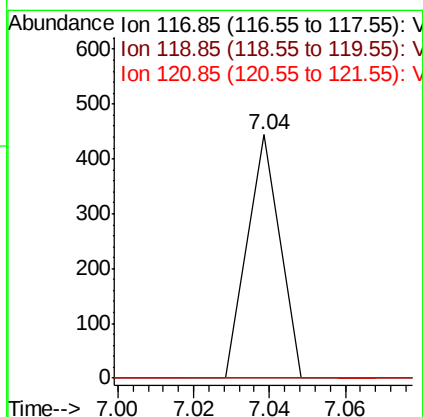
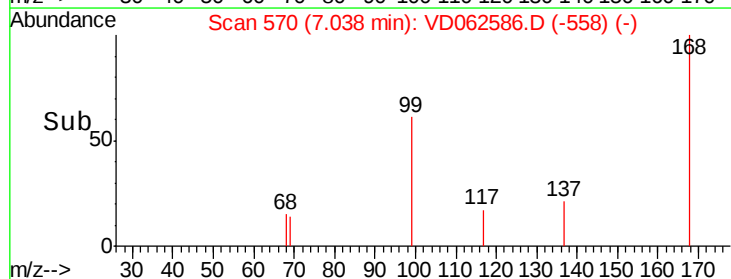
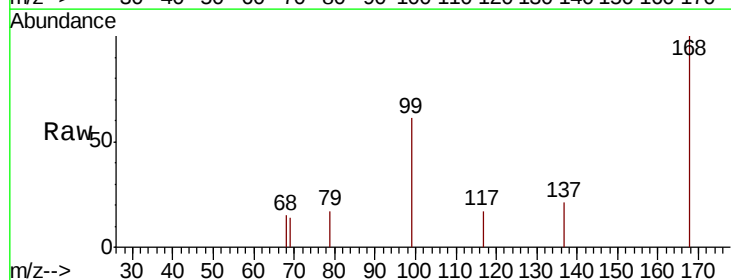
Instrument :
MSVOA_D
ClientSampled :

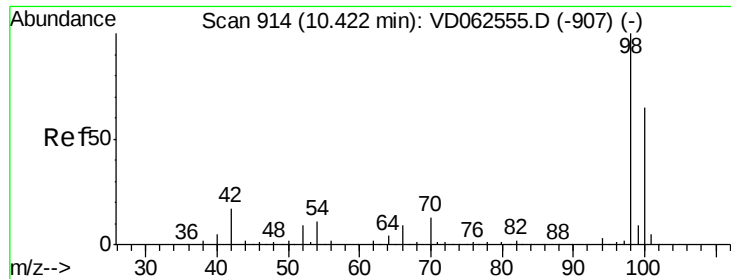
Tot Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 1.576 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Tgt Ion: 117 Resp: 262
Ion Ratio Lower Upper
117 100
119 0.0 71.4 107.2#
121 0.0 22.5 33.7#

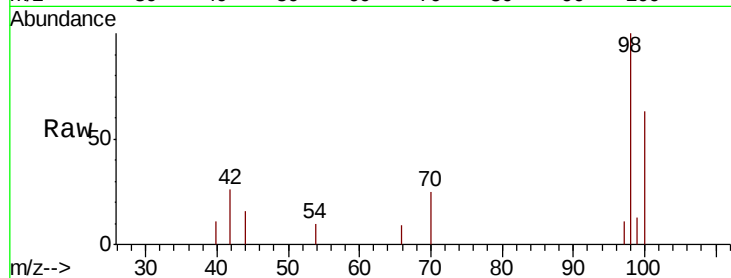




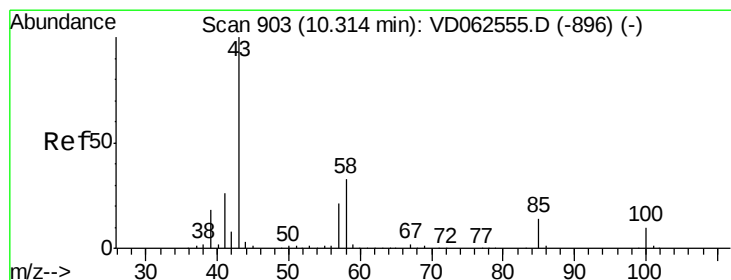
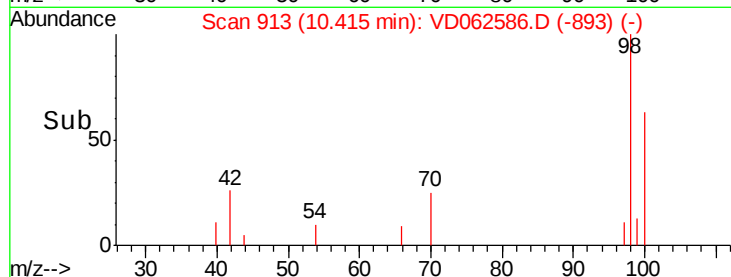
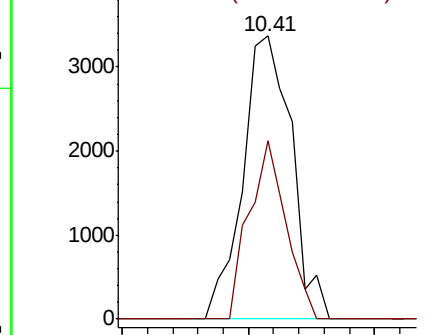
#50
Toluene-d8
Concen: 40.376 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 9041
Ion Ratio Lower Upper
98 100
100 63.1 52.3 78.5

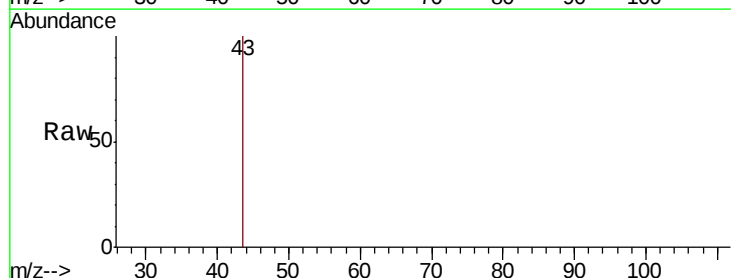


Abundance Ion 98.05 (97.75 to 98.75): VD062555.D (-907) (-)
Ion 100.05 (99.75 to 100.75): VD062555.D (-907) (-)

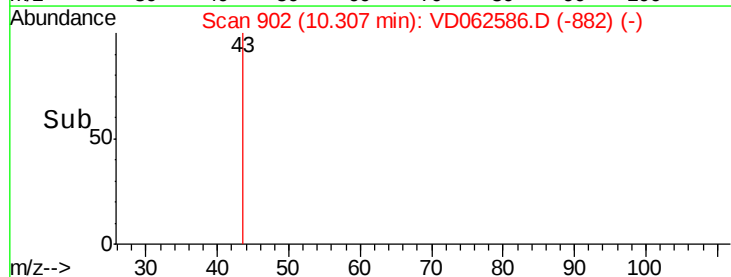
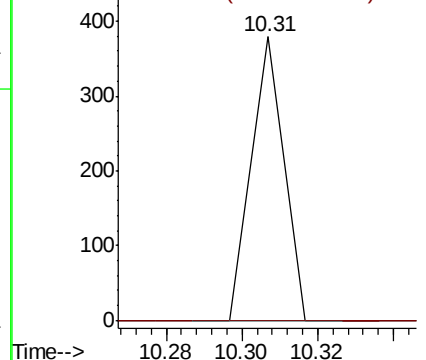


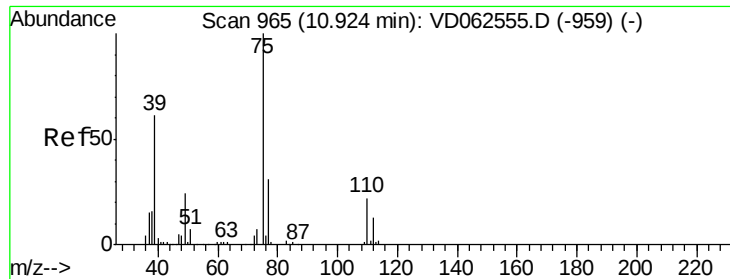
#51
4-Methyl-2-Pentanone
Concen: 5.481 ug/l
RT: 10.31 min Scan# 902
Delta R.T. -0.01 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 0.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-896) (-)
Ion 57.95 (57.65 to 58.65): VD062555.D (-896) (-)

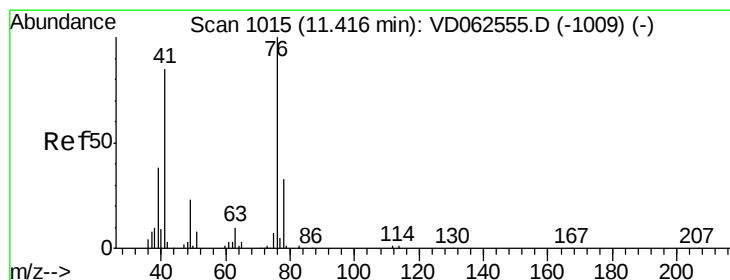
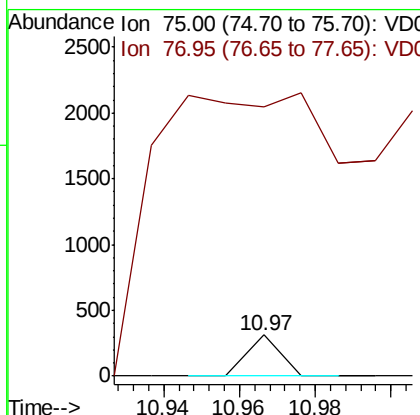
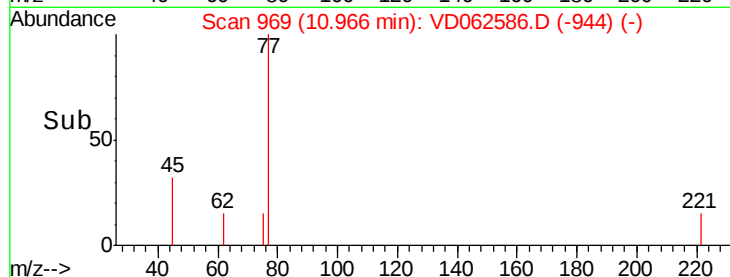
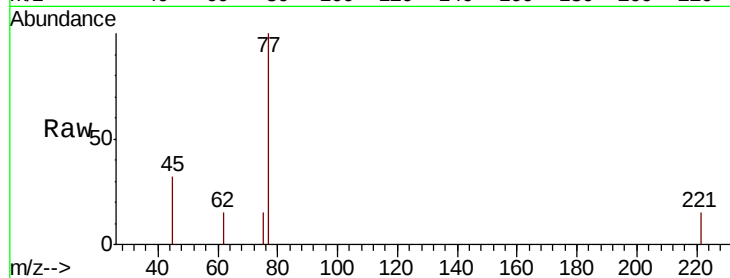




#53
t-1,3-Dichloropropene
Concen: 1.742 ug/l
RT: 10.97 min Scan# 969
Delta R.T. 0.04 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

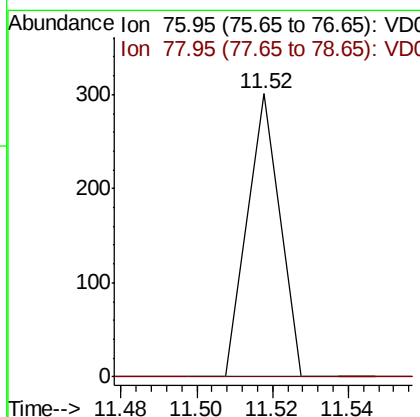
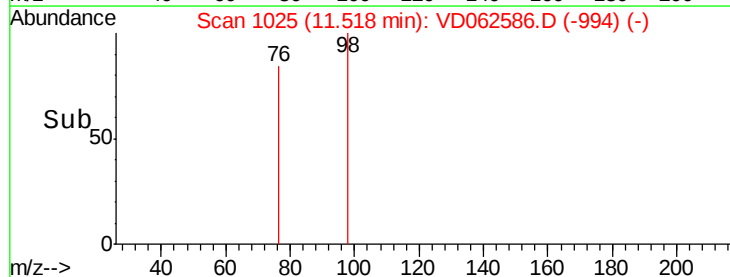
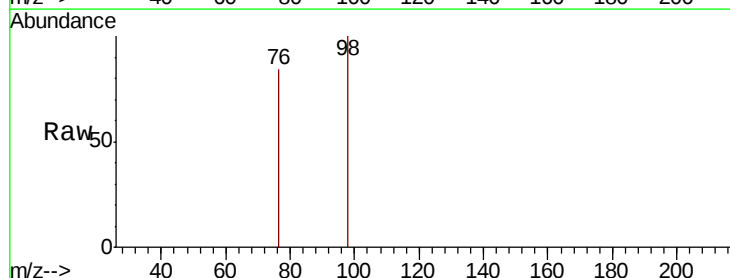
Instrument :
MSVOA_D
ClientSampleId :

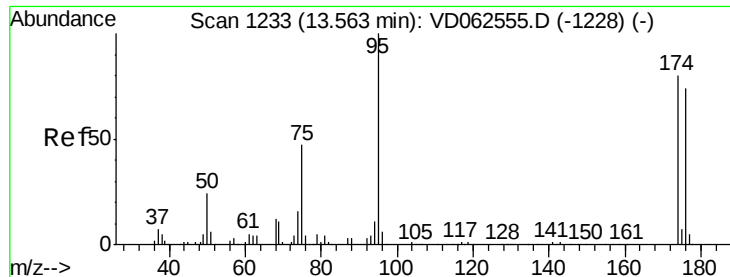
Tot Ion: 75 Resp: 183
Ion Ratio Lower Upper
75 100
77 661.3 24.5 36.7#



#57
1,3-Dichloropropane
Concen: 2.353 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.10 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Tgt Ion: 76 Resp: 178
Ion Ratio Lower Upper
76 100
78 0.0 26.7 40.1#

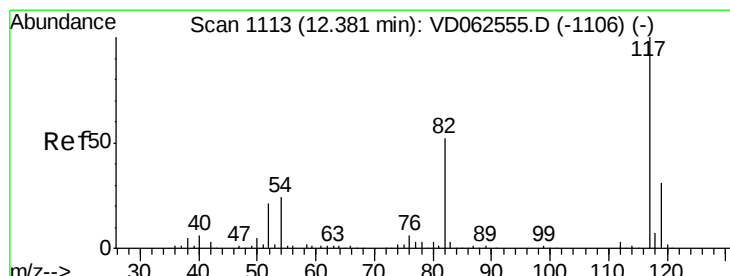
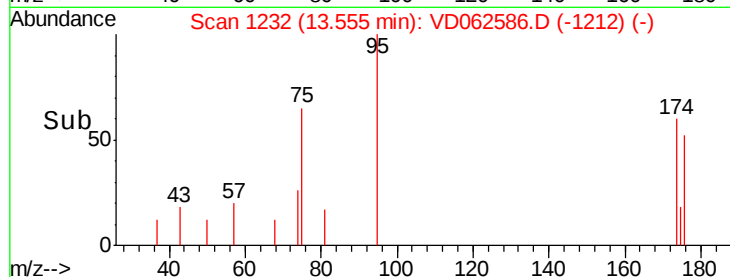
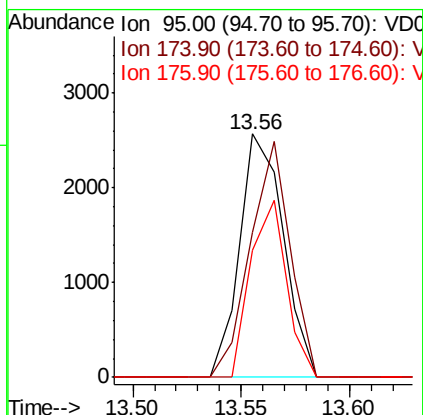
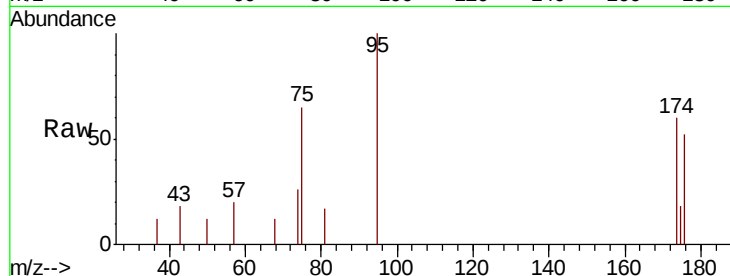




#62
4-Bromofluorobenzene
Concen: 36.096 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

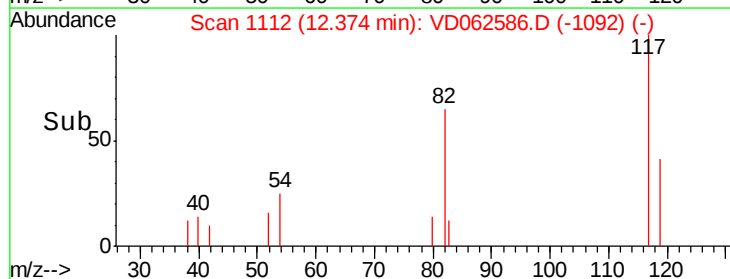
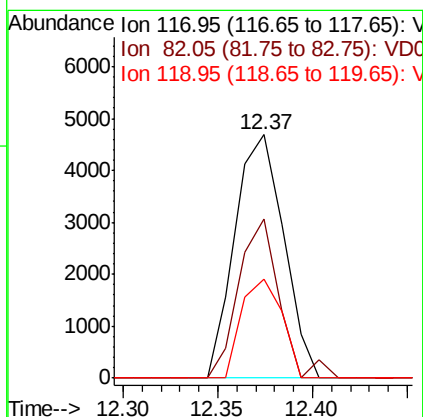
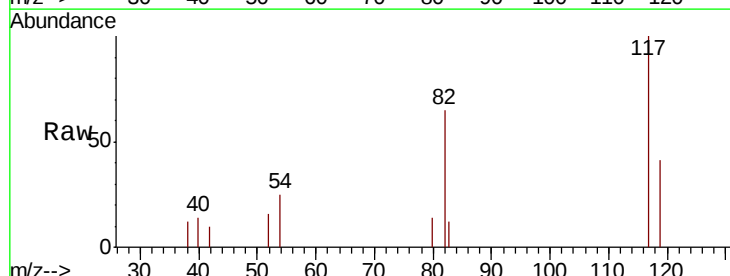
Instrument :
MSVOA_D
ClientSampleId :

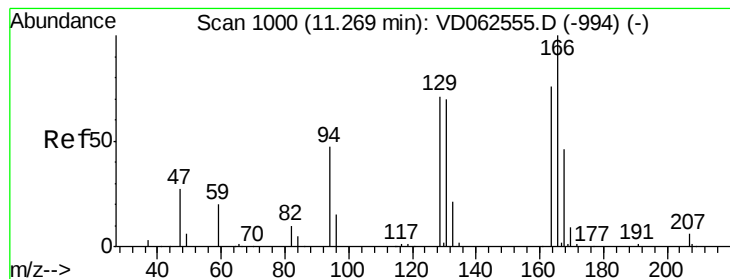
Tot Ion: 95 Resp: 3645
Ion Ratio Lower Upper
95 100
174 77.7 0.0 160.2
176 52.3 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Tgt Ion: 117 Resp: 8400
Ion Ratio Lower Upper
117 100
82 65.4 41.4 62.2#
119 40.7 24.9 37.3#





#64

Tetrachloroethene

Concen: 5.966 ug/l

RT: 11.23 min Scan# 996

Delta R.T. -0.04 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:164 Resp: 443

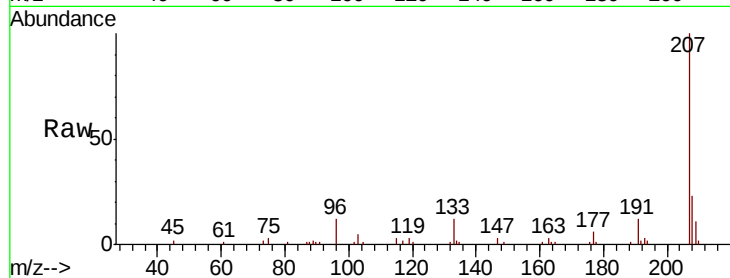
Ion Ratio Lower Upper

164 100

166 0.0 105.3 157.9#

129 0.0 75.3 112.9#

131 0.0 73.3 109.9#

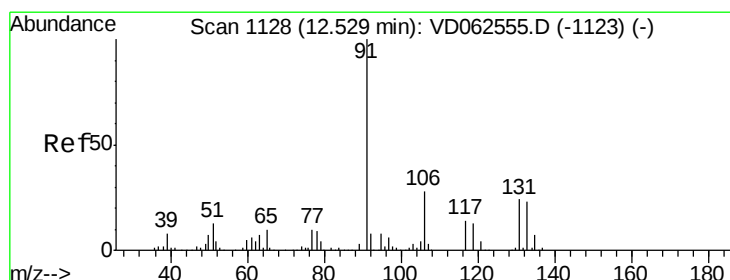
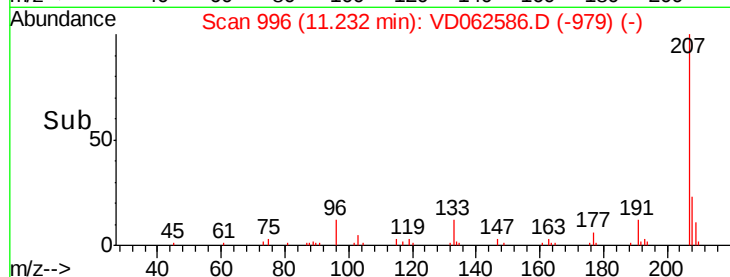
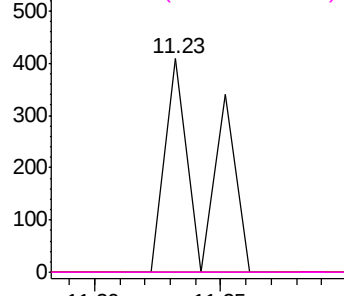


Abundance Ion 163.85 (163.55 to 164.55): V

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



#67

Ethyl Benzene

Concen: 4.826 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD062586.D

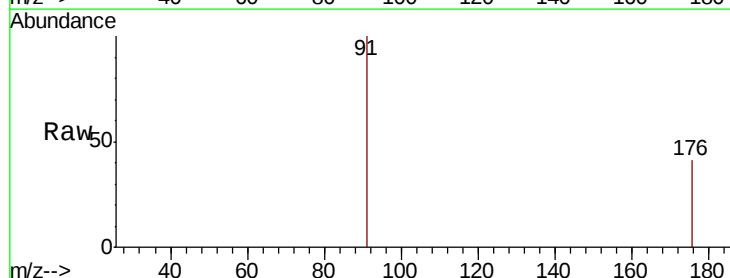
Acq: 3 Jun 2019 15:30

Tgt Ion: 91 Resp: 1447

Ion Ratio Lower Upper

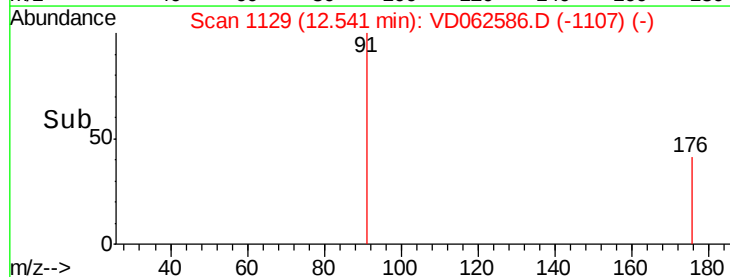
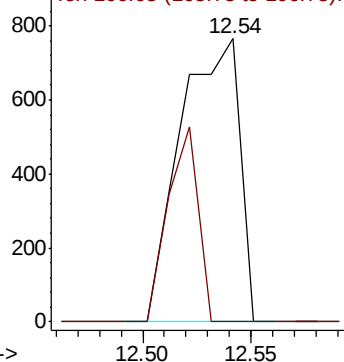
91 100

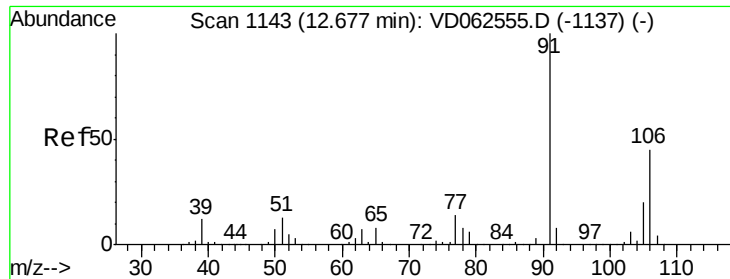
106 0.0 22.2 33.2#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

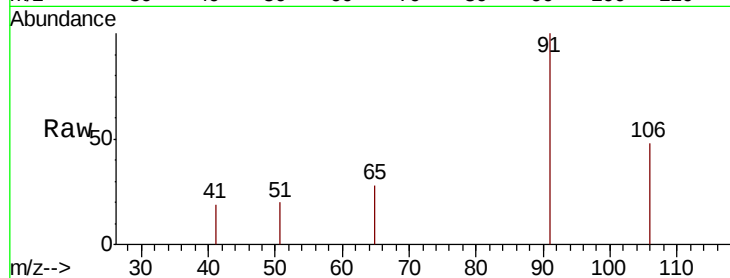




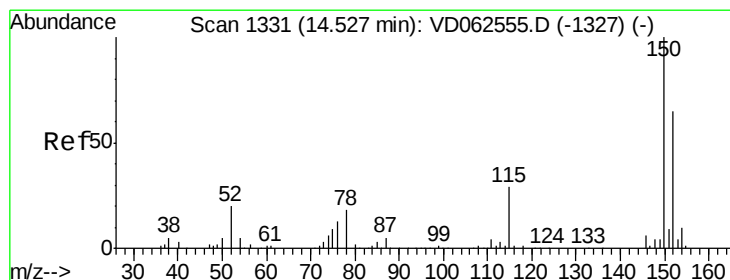
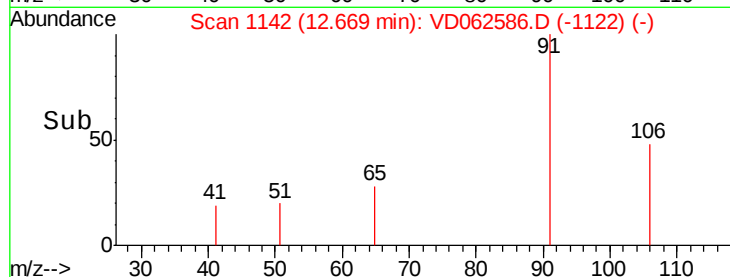
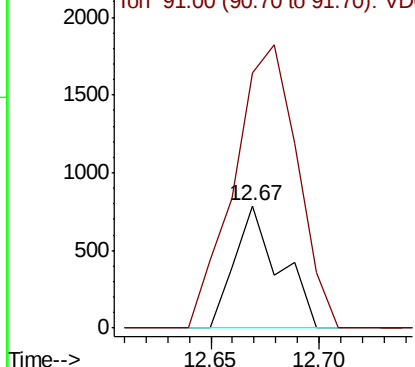
#68
m/p-Xvlenes
Concen: 11.059 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1147
Ion Ratio Lower Upper
106 100
91 208.5 178.9 268.3

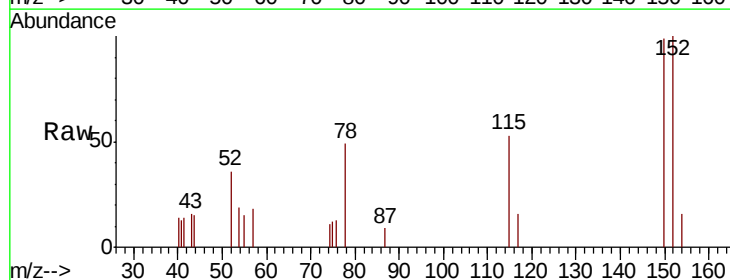


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

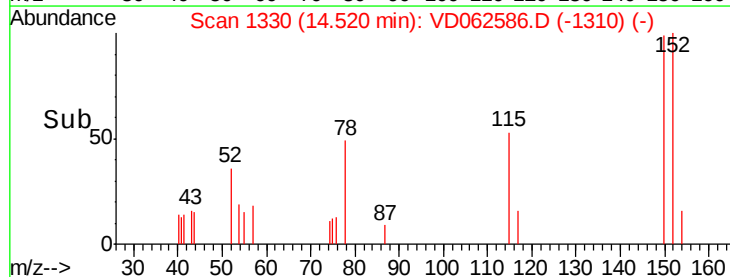
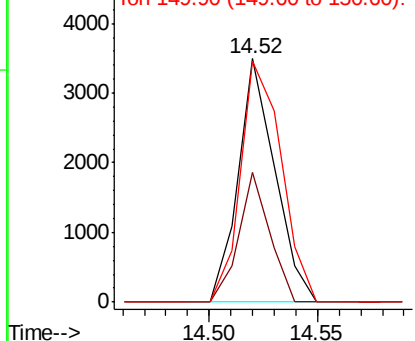


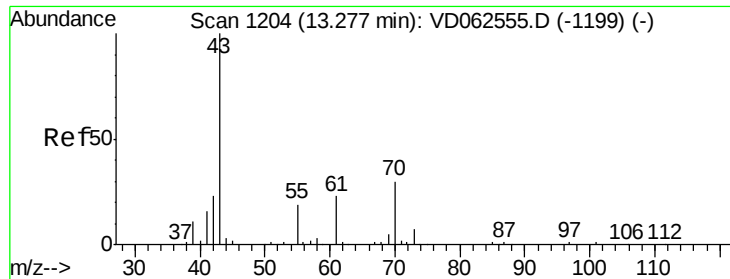
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Tgt Ion:152 Resp: 4170
Ion Ratio Lower Upper
152 100
115 53.3 28.4 85.3
150 99.1 0.0 310.4



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





#74

N-amvl acetate

Concen: 2.725 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 191

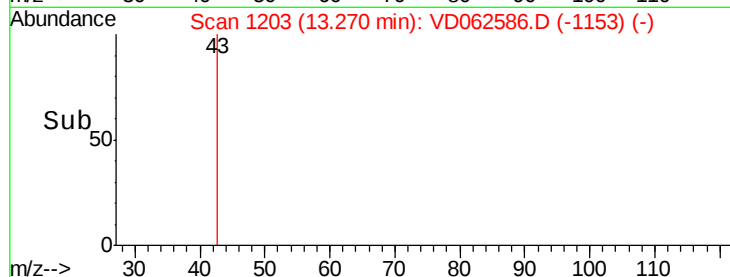
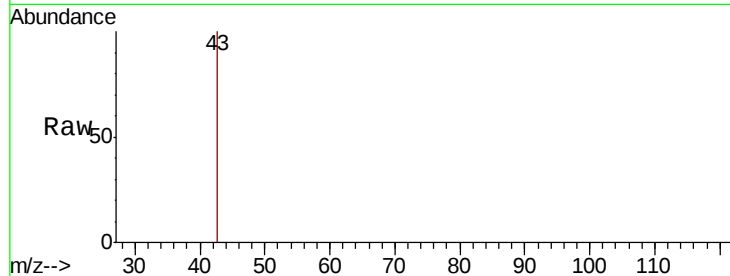
Ion Ratio Lower Upper

43 100

70 0.0 23.7 35.5#

55 0.0 15.0 22.4#

61 0.0 18.4 27.6#



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

13.27

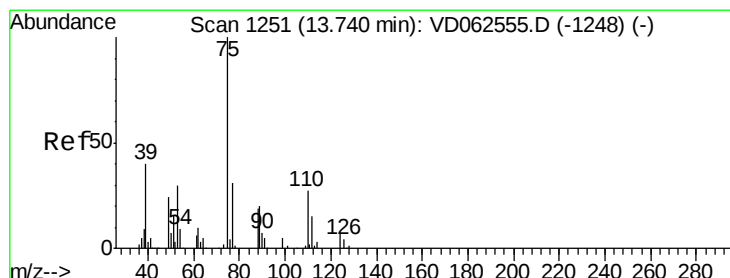
300

200

100

0

Time--> 13.24 13.26 13.28 13.30



#76

1,2,3-Trichloropropane

Concen: 7.776 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.03 min

Lab File: VD062586.D

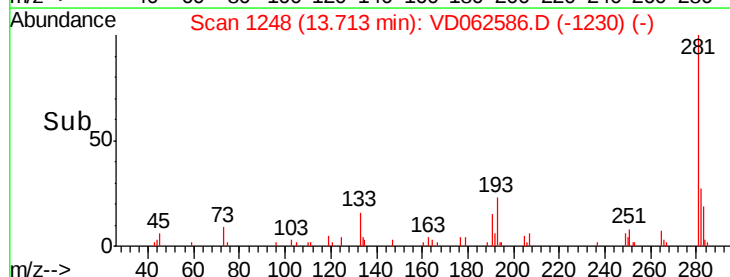
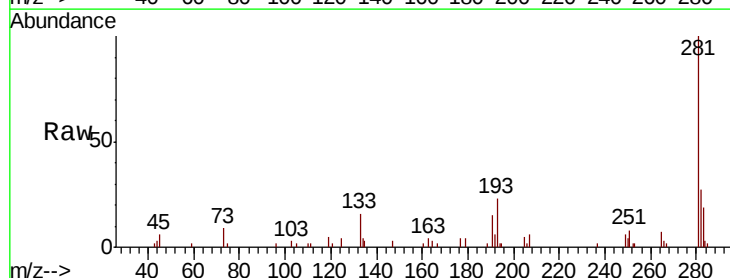
Acq: 3 Jun 2019 15:30

Tgt Ion: 75 Resp: 389

Ion Ratio Lower Upper

75 100

77 0.0 16.5 49.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.71

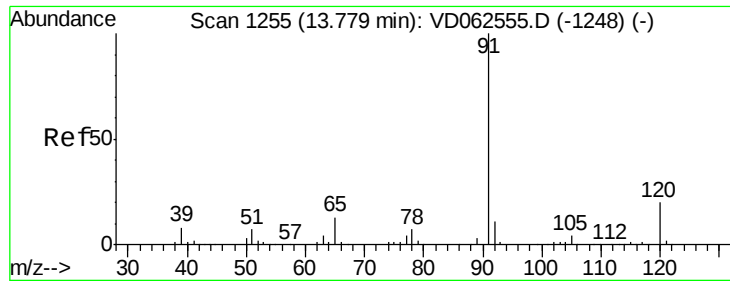
300

200

100

0

Time--> 13.70



#78

n-propylbenzene

Concen: 3.528 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

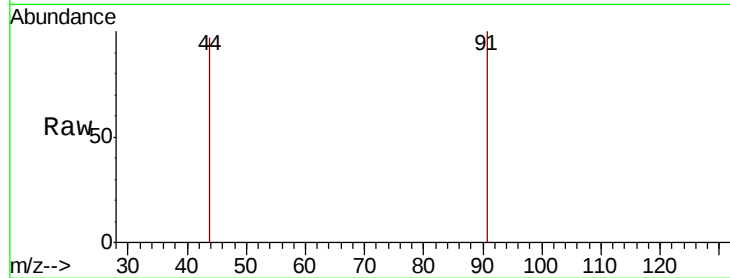
ClientSampleId :

Tot Ion: 91 Resp: 1118

Ion Ratio Lower Upper

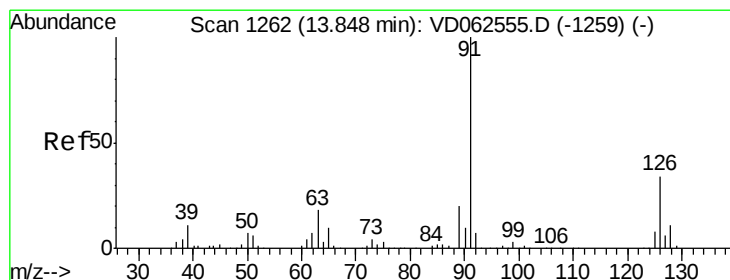
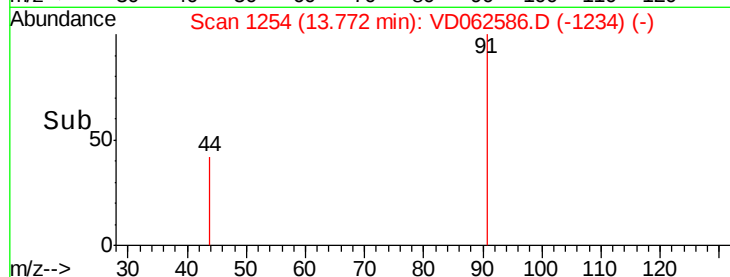
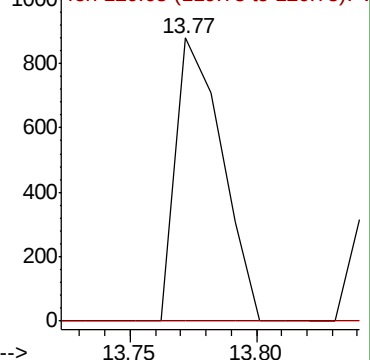
91 100

120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 2.792 ug/l

RT: 13.86 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD062586.D

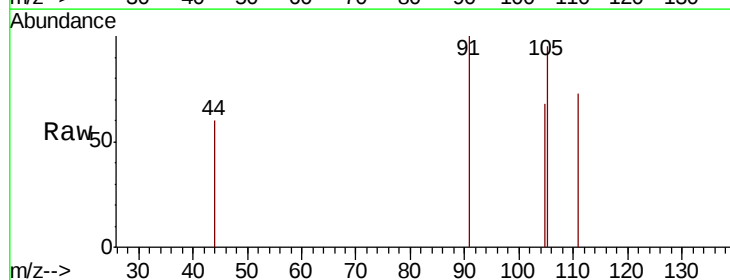
Acq: 3 Jun 2019 15:30

Tgt Ion: 91 Resp: 513

Ion Ratio Lower Upper

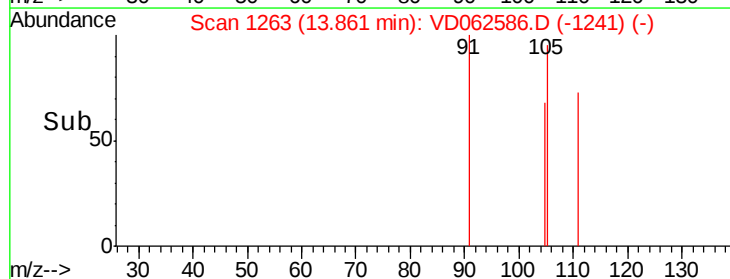
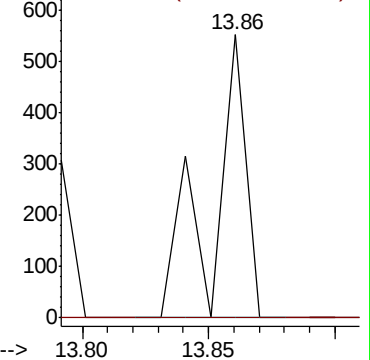
91 100

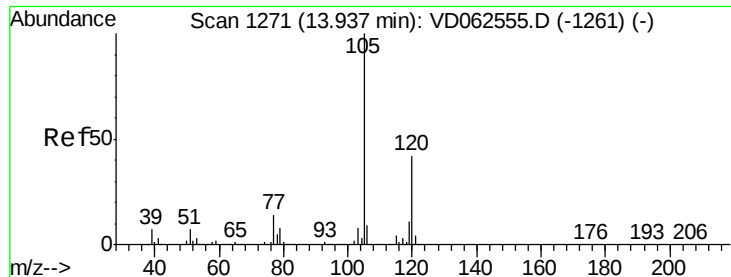
126 0.0 16.7 50.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

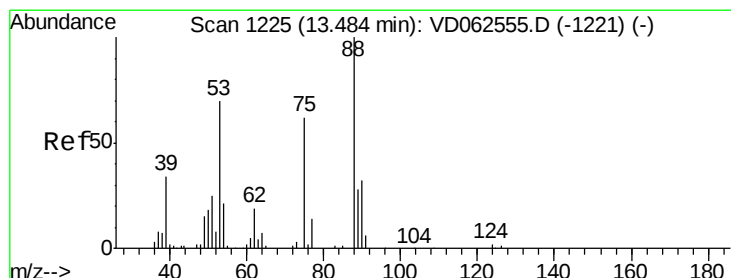
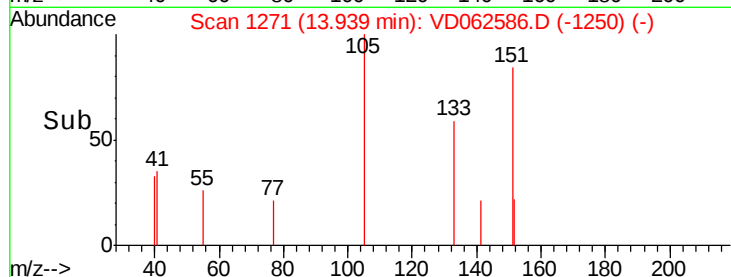
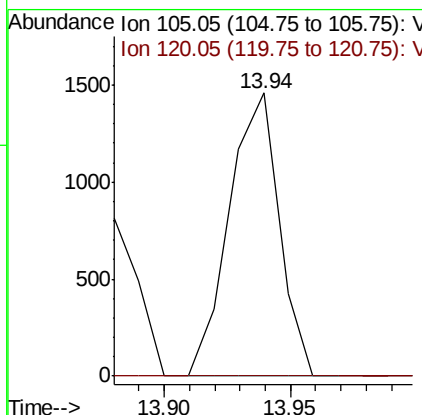
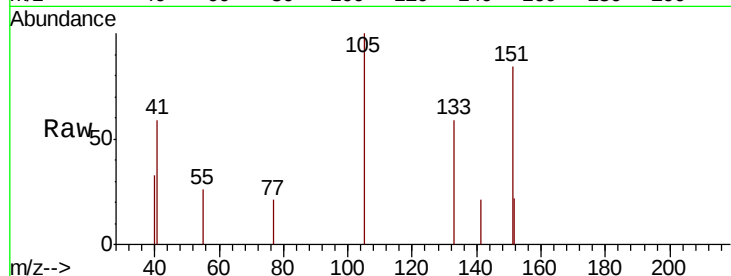




#80
 1,3,5-Trimethylbenzene
 Concen: 8.561 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062586.D
 Acq: 3 Jun 2019 15:30

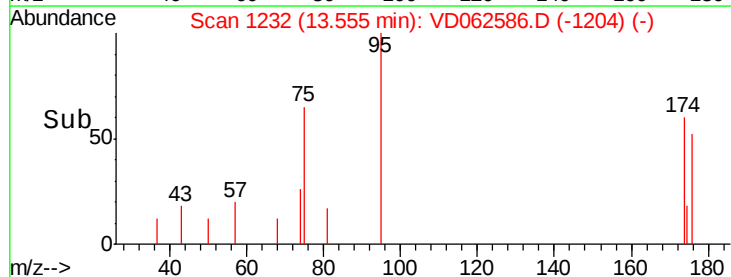
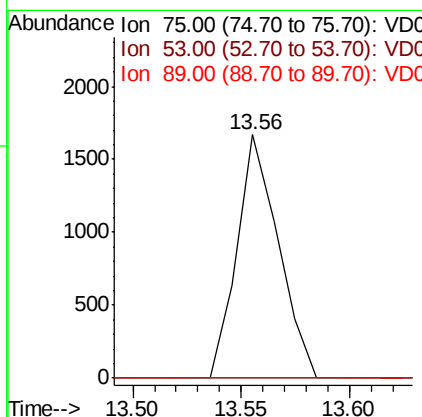
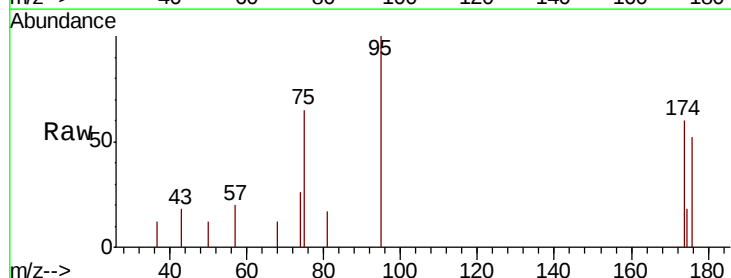
Instrument :
 MSVOA_D
 ClientSampleId :

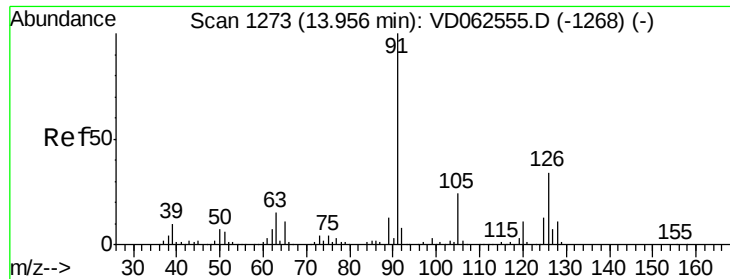
Tot Ion:105 Resp: 2011
 Ion Ratio Lower Upper
 105 100
 120 0.0 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.771 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD062586.D
 Acq: 3 Jun 2019 15:30

Tgt Ion: 75 Resp: 2233
 Ion Ratio Lower Upper
 75 100
 53 0.0 91.0 136.4#
 89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 1.127 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

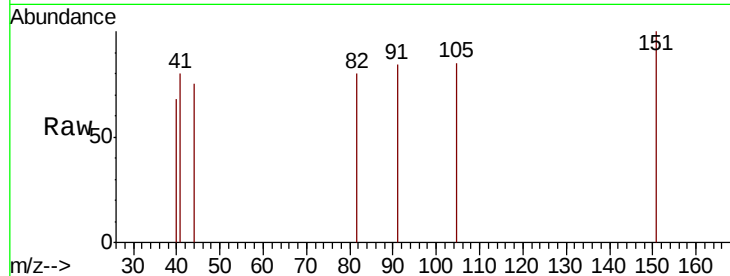
ClientSampleId :

Tot Ion: 91 Resp: 248

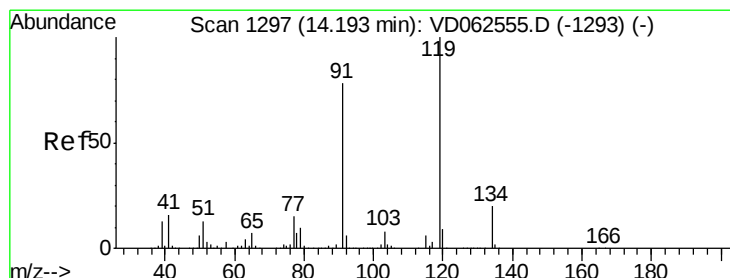
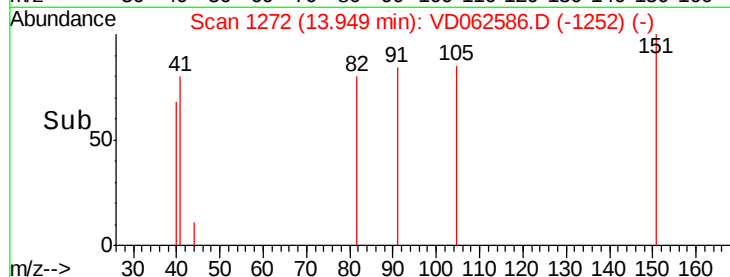
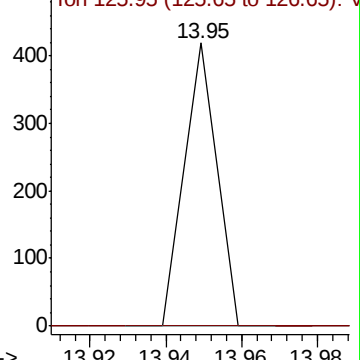
Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): V



#83

tert-Butylbenzene

Concen: 3.292 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.04 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

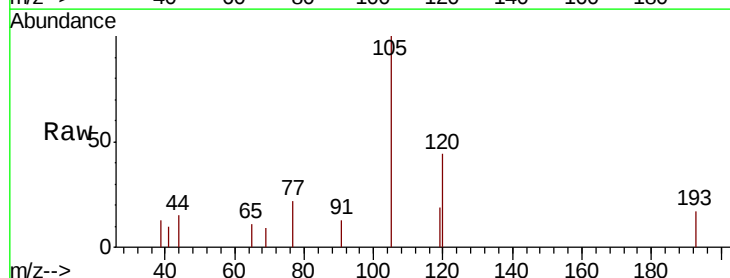
Tgt Ion: 119 Resp: 863

Ion Ratio Lower Upper

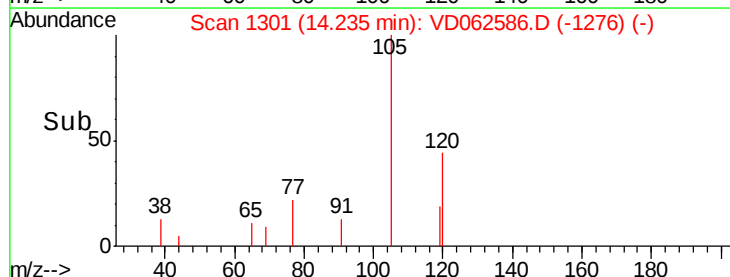
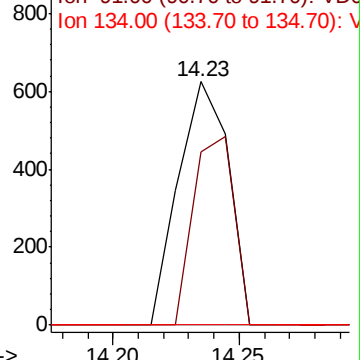
119 100

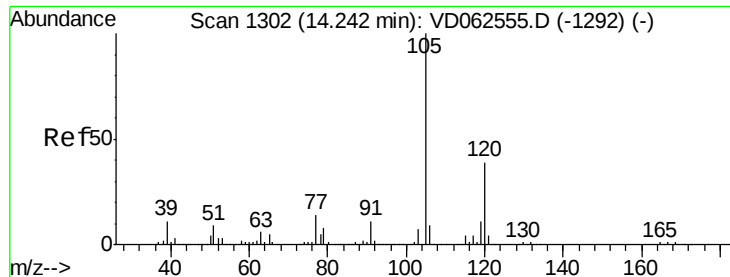
91 71.4 39.1 117.5

134 0.0 10.1 30.3#



Abundance Ion 119.05 (118.75 to 119.75): V

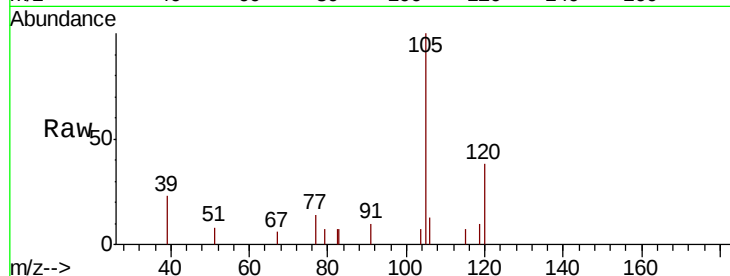




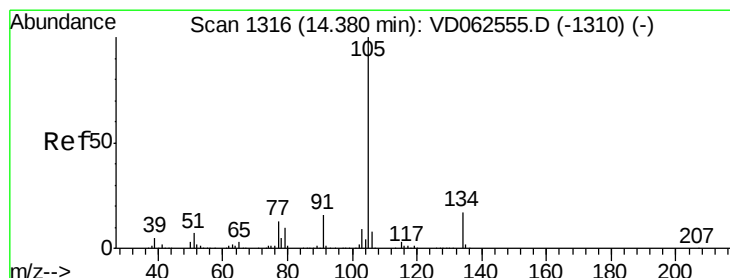
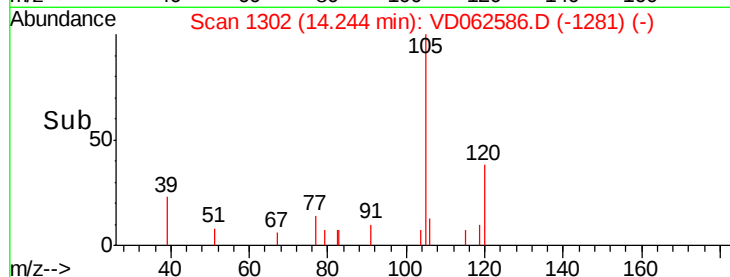
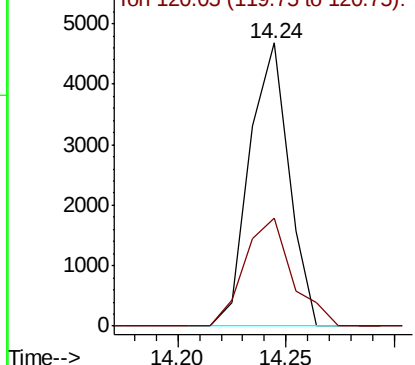
#84
 1,2,4-Trimethylbenzene
 Concen: 24.564 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062586.D
 Acq: 3 Jun 2019 15:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 5880
 Ion Ratio Lower Upper
 105 100
 120 38.3 19.6 58.8

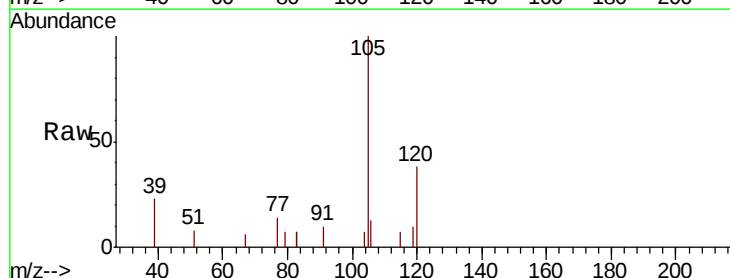


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

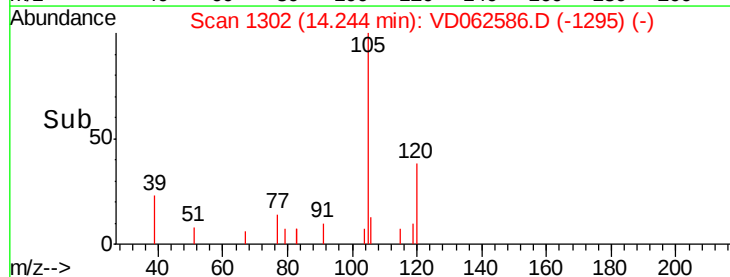
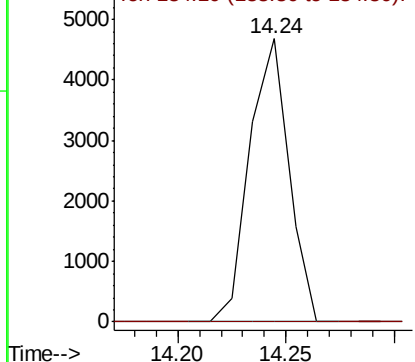


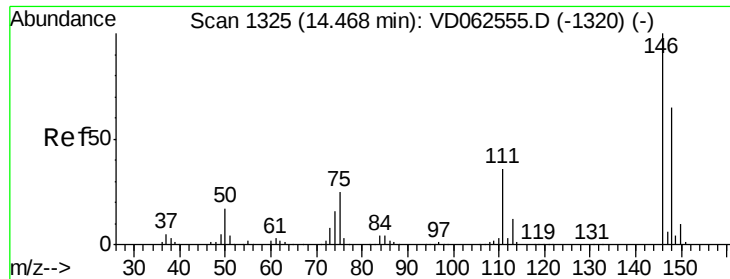
#85
 sec-Butylbenzene
 Concen: 21.176 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.14 min
 Lab File: VD062586.D
 Acq: 3 Jun 2019 15:30

Tgt Ion:105 Resp: 5880
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.7 26.1#



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V





#87

1,3-Dichlorobenzene

Concen: 1.584 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

Instrument :

MSVOA_D

ClientSampleId :

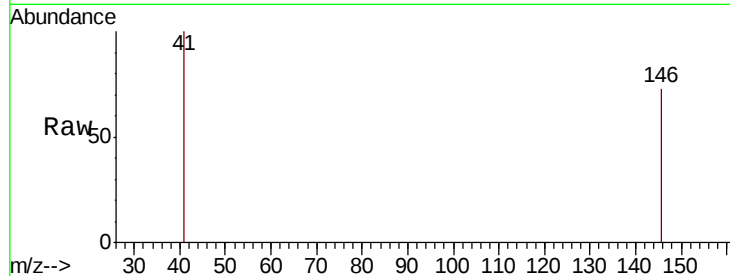
Tot Ion:146 Resp: 207

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.4#

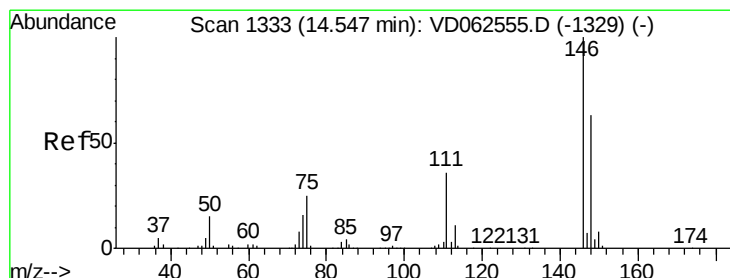
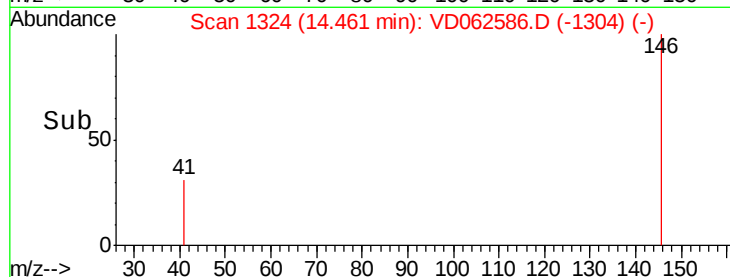
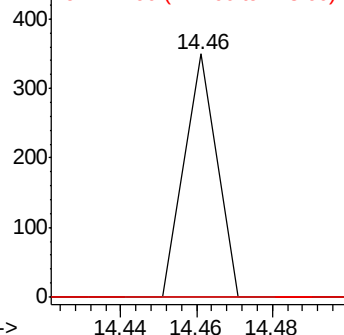
148 0.0 32.3 96.9#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.581 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.09 min

Lab File: VD062586.D

Acq: 3 Jun 2019 15:30

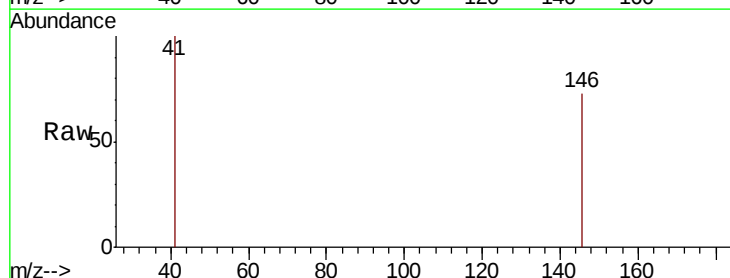
Tgt Ion:146 Resp: 207

Ion Ratio Lower Upper

146 100

111 0.0 18.2 54.6#

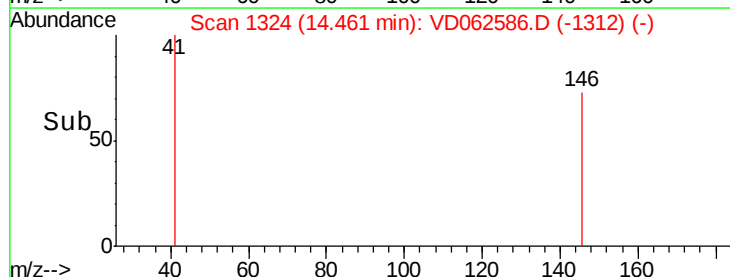
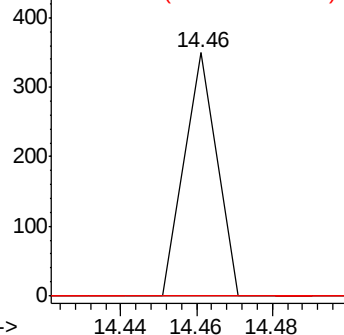
148 0.0 31.6 94.8#

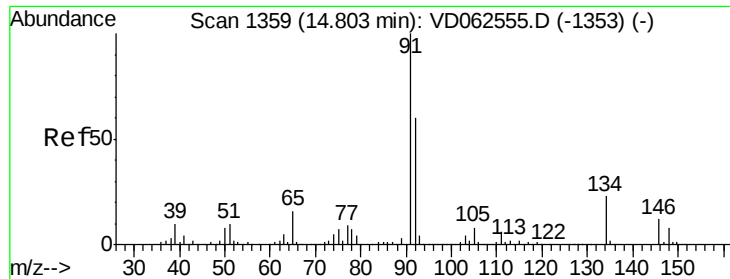


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

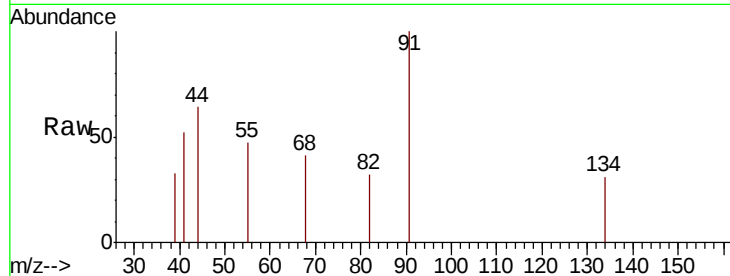




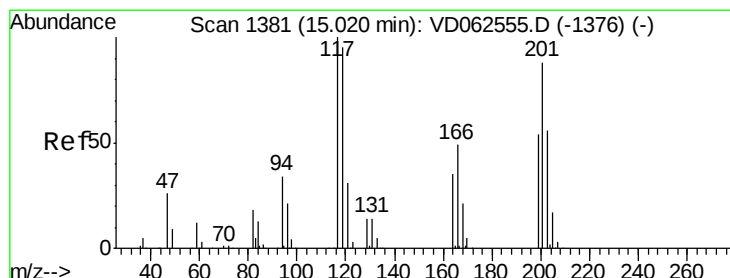
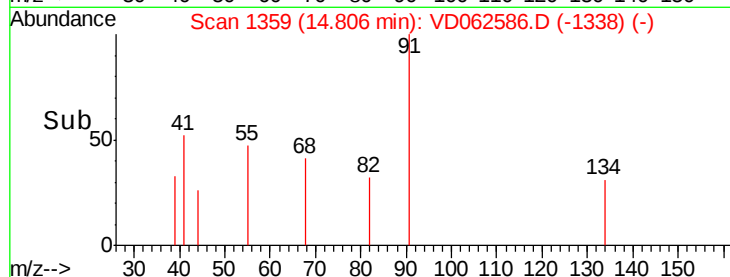
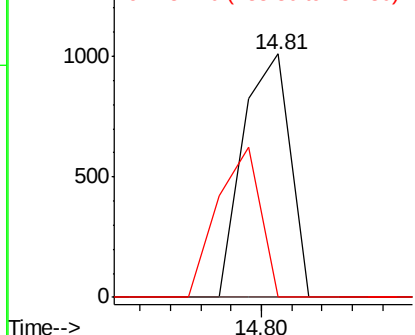
#89
n-Butylbenzene
Concen: 4.681 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1084
Ion Ratio Lower Upper
91 100
92 0.0 29.8 89.4#
134 0.0 11.3 33.8#

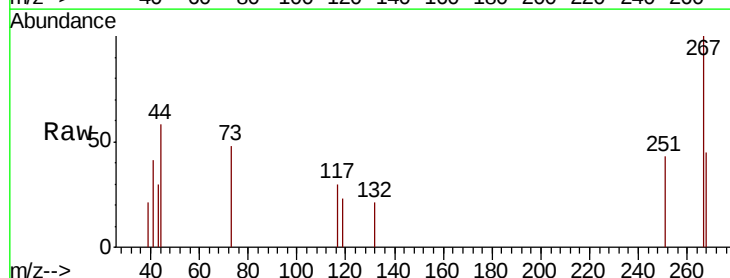


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

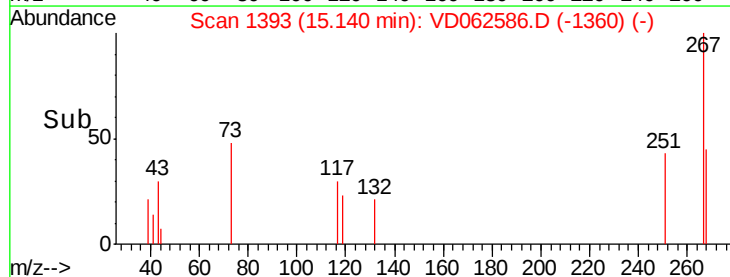
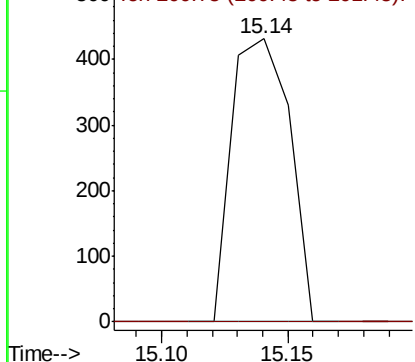


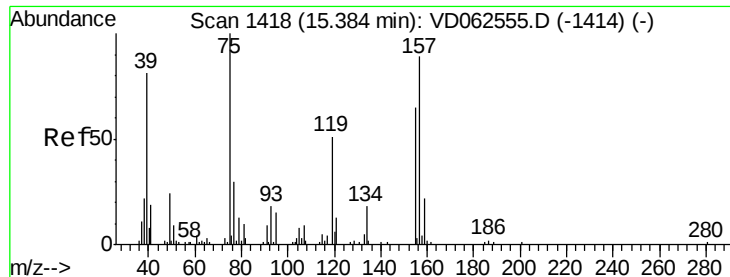
#90
Hexachloroethane
Concen: 10.025 ug/l
RT: 15.14 min Scan# 1393
Delta R.T. 0.12 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Tgt Ion: 117 Resp: 690
Ion Ratio Lower Upper
117 100
201 0.0 43.8 131.4#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

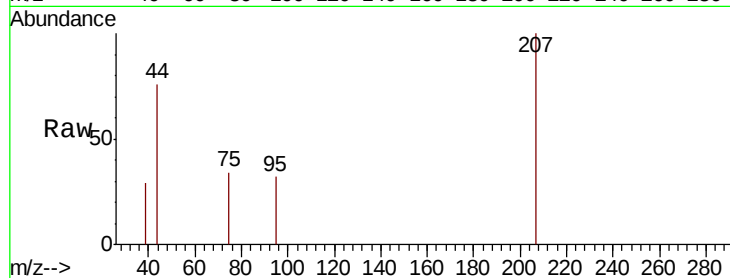




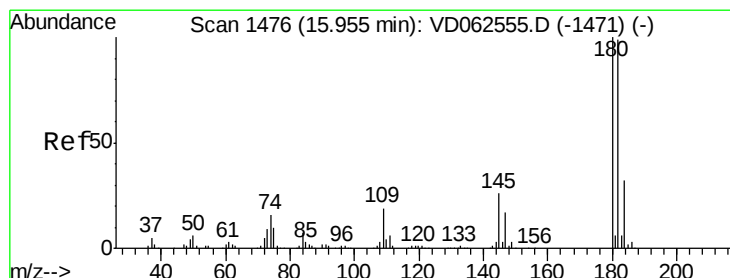
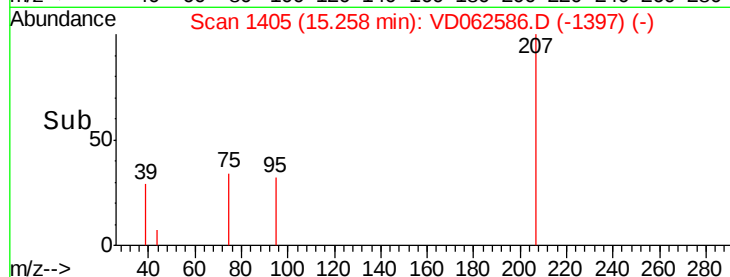
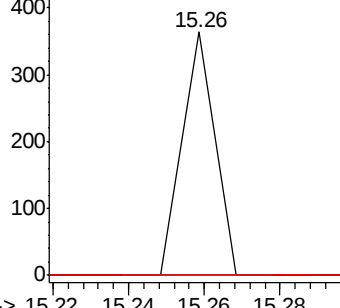
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.782 ug/l
 RT: 15.26 min Scan# 1405
 Delta R.T. -0.13 min
 Lab File: VD062586.D
 Acq: 3 Jun 2019 15:30

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 75 Resp: 215
 Ion Ratio Lower Upper
 75 100
 155 0.0 32.6 97.8#
 157 0.0 44.5 133.7#

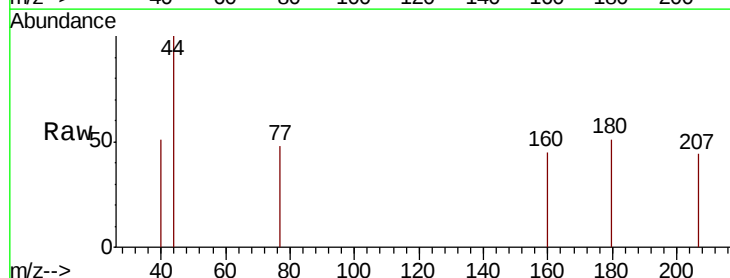


Abundance Ion 75.00 (74.70 to 75.70): VD
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

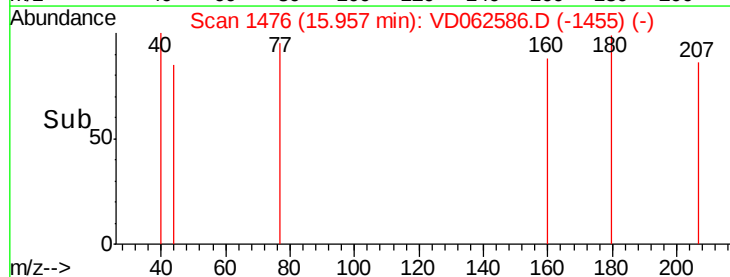
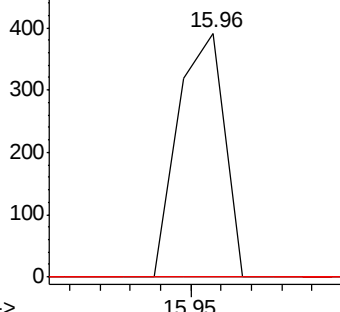


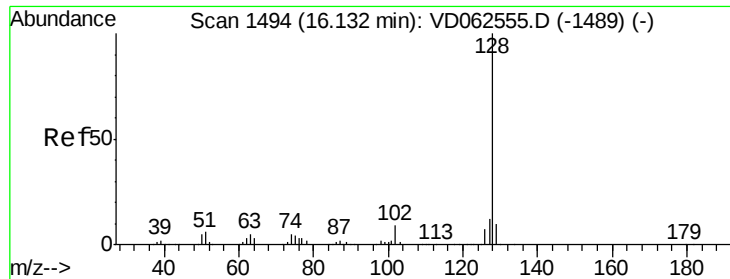
#93
 1,2,4-Trichlorobenzene
 Concen: 4.767 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062586.D
 Acq: 3 Jun 2019 15:30

Tgt Ion: 180 Resp: 419
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.5 148.3#
 145 0.0 13.1 39.3#



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





#95
Naphthalene
Concen: 43.921 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062586.D
Acq: 3 Jun 2019 15:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 5257
Ion Ratio Lower Upper
128 100
127 12.8 9.7 14.5
129 0.0 8.2 12.2#

