

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042519\
 Data File : VD062035.D
 Acq On : 25 Apr 2019 13:26
 Operator : VA/AP
 Sample : K2532-10RE
 Misc : 6.22g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-2RE

Quant Time: Apr 25 15:30:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	16490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	26082	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	22164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	8098	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	9640	74.69	ug/l	-0.01
Spiked Amount						
35) Dibromofluoromethane	6.92	113	10456	57.97	ug/l	-0.01
Spiked Amount						
50) Toluene-d8	10.41	98	23918	55.72	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	13.55	95	7933	46.08	ug/l	0.00
Spiked Amount						

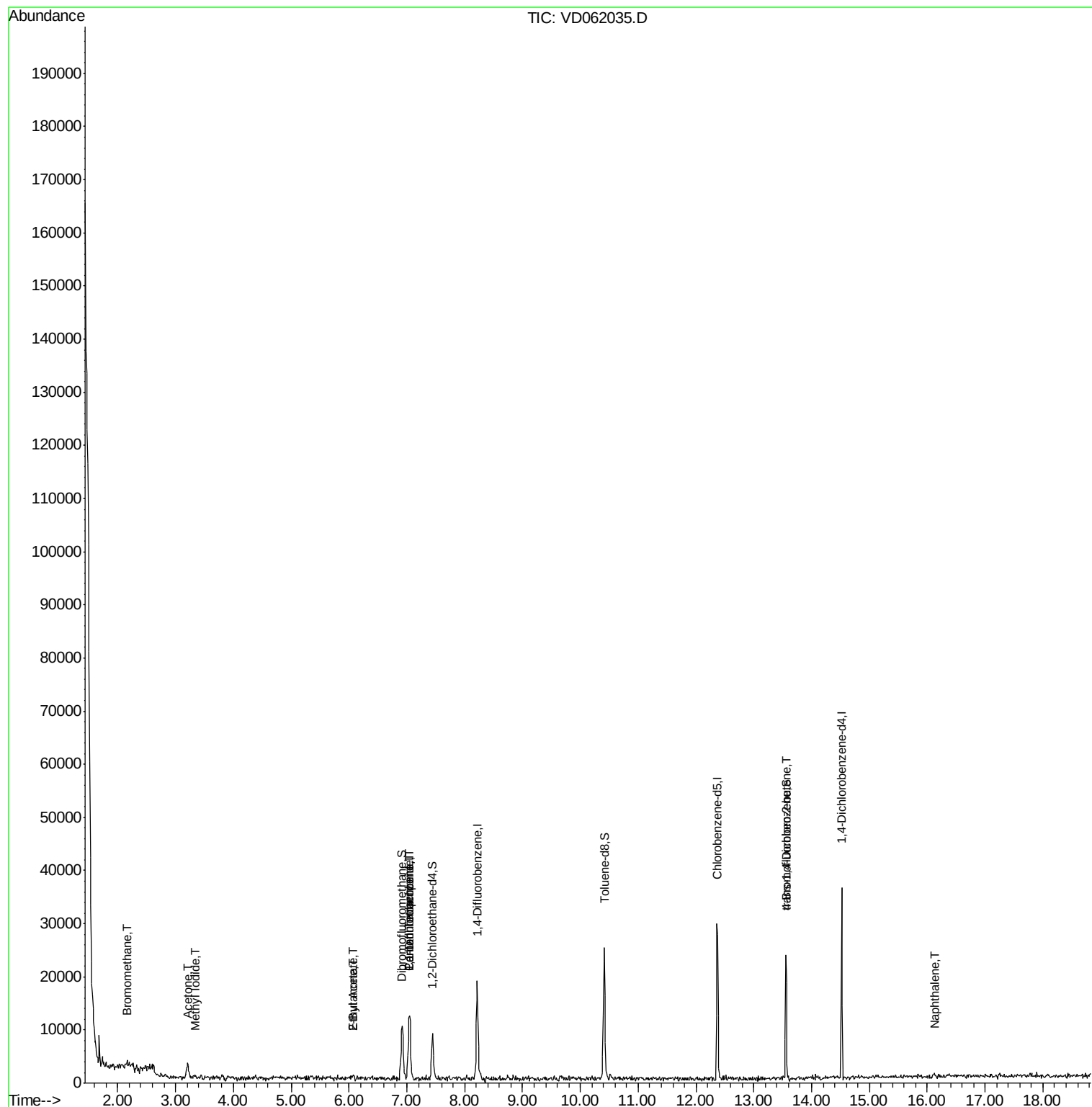
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	300	8.216	ug/l #	12
10) Methyl Iodide	3.35	142	1235	10.002	ug/l #	37
16) Acetone	3.21	43	5923	192.207	ug/l	93
20) Methylene Chloride	3.80	84	228	Below Cal	#	57
25) 2-Butanone	6.06	43	1184	31.690	ug/l #	56
36) 1,1-Dichloropropene	7.05	75	267	1.314	ug/l #	40
37) Ethyl Acetate	6.06	43	1184	13.673	ug/l #	64
38) Carbon Tetrachloride	7.04	117	1273	4.944	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	2895	92.901	ug/l #	16
95) Naphthalene	16.12	128	279	1.431	ug/l #	70

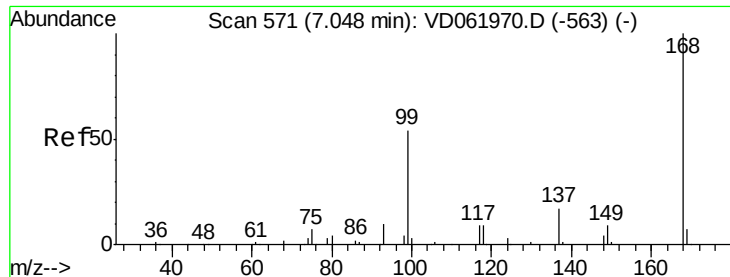
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD042519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

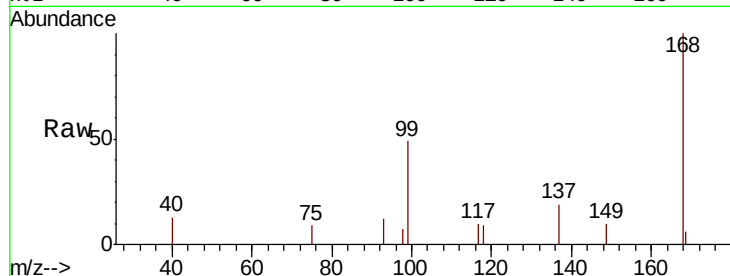
TP-3-2RE

Tgt Ion:168 Resp: 16490

Ion Ratio Lower Upper

168 100

99 49.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

6000

5000

4000

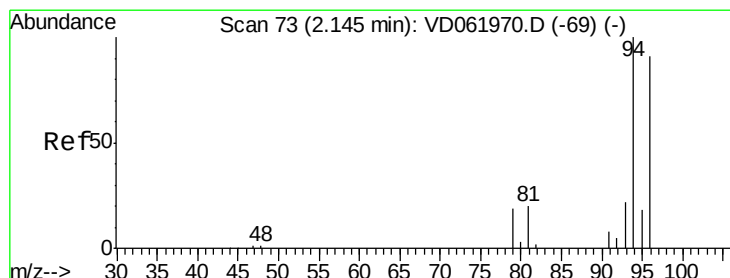
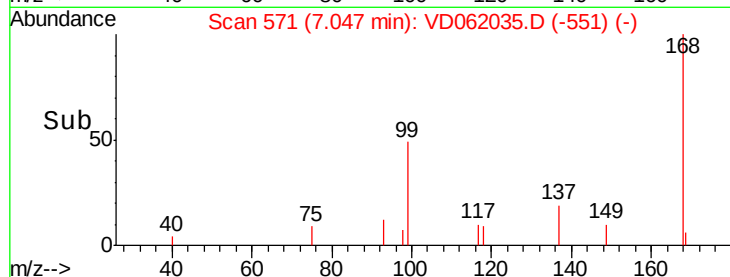
3000

2000

1000

0

Time-->



#5

Bromomethane

Concen: 8.216 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

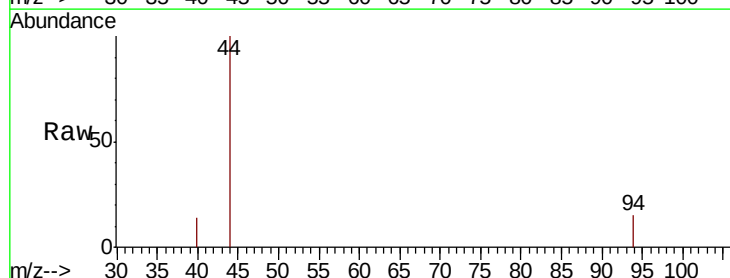
Tgt Ion: 94 Resp: 300

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

2.16

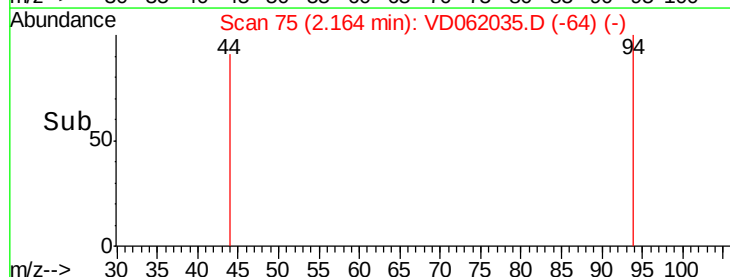
600

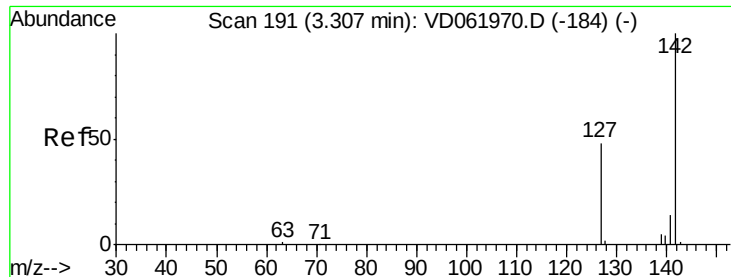
400

200

0

Time-->

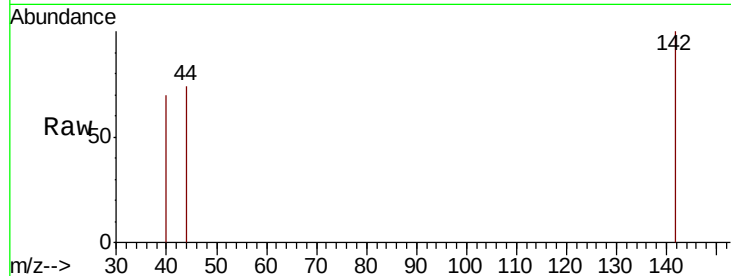




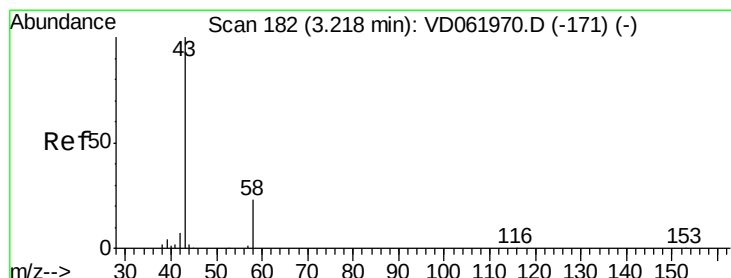
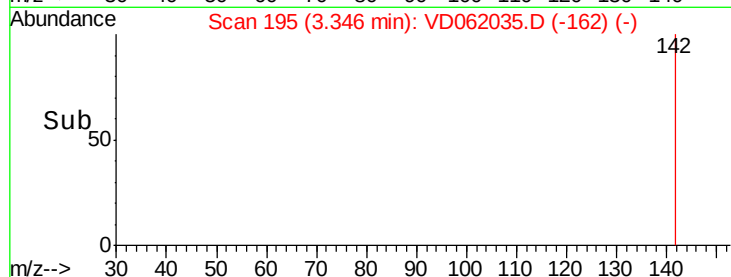
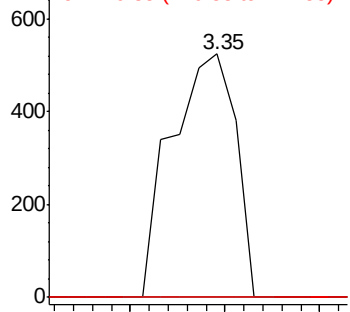
#10
Methyl Iodide
Concen: 10.002 ug/l
RT: 3.35 min Scan# 195
Delta R.T. 0.02 min
Lab File: VD062035.D
Acq: 25 Apr 2019 13:26

Instrument :
MSVOA_D
ClientSampleId :
TP-3-2RE

Tgt Ion:142 Resp: 1235
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

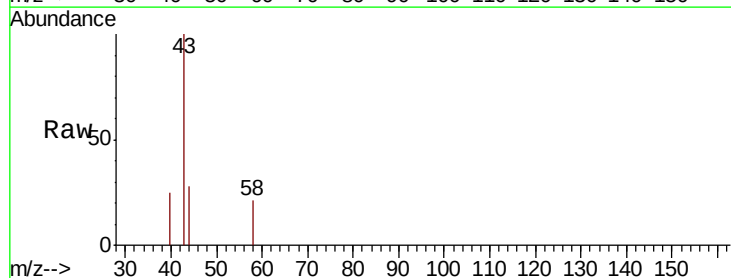


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

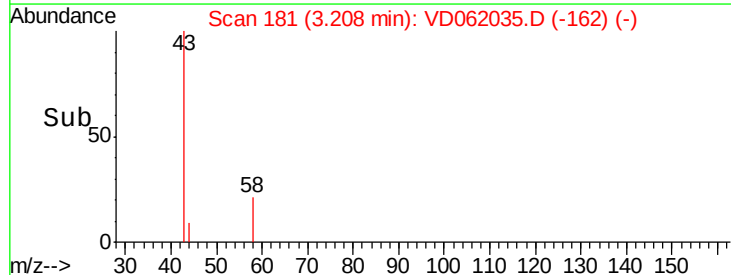
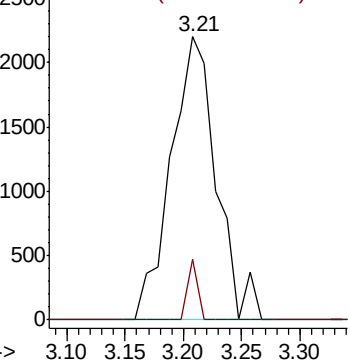


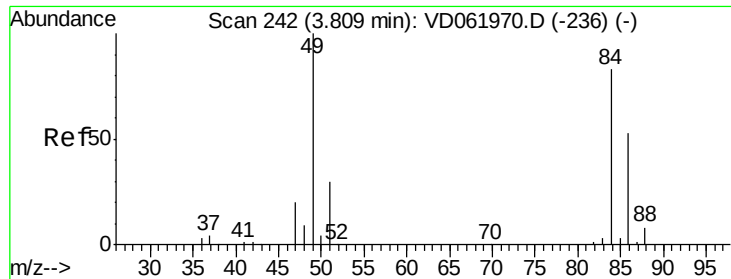
#16
Acetone
Concen: 192.207 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD062035.D
Acq: 25 Apr 2019 13:26

Tgt Ion: 43 Resp: 5923
Ion Ratio Lower Upper
43 100
58 21.2 19.9 29.9



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





#20

Methylene Chloride

Concen: Below Cal

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

TP-3-2RE

Tgt Ion: 84 Resp: 228

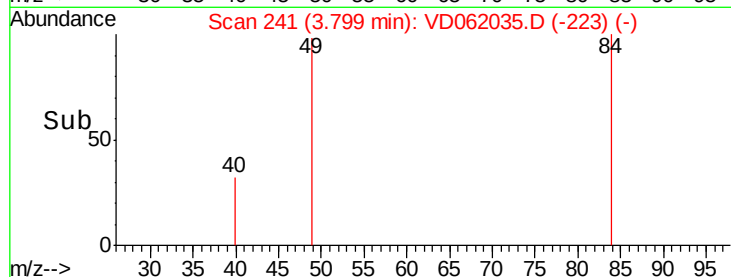
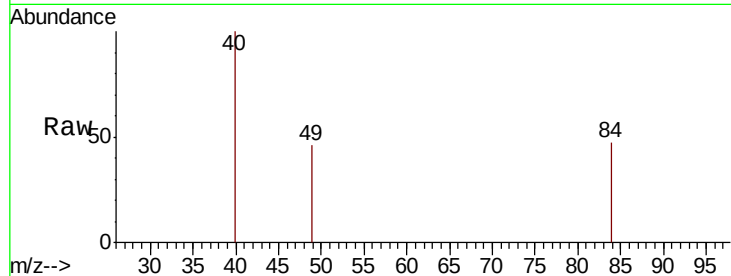
Ion Ratio Lower Upper

84 100

49 98.2 94.0 141.0

51 0.0 29.0 43.4#

86 0.0 49.8 74.6#

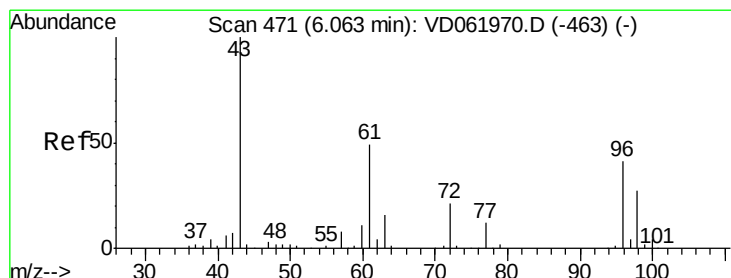
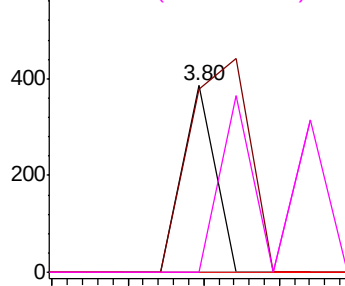


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 31.690 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062035.D

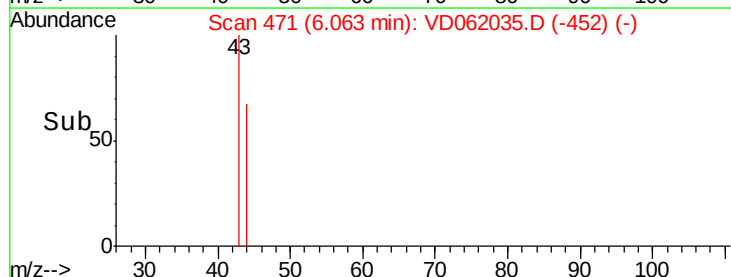
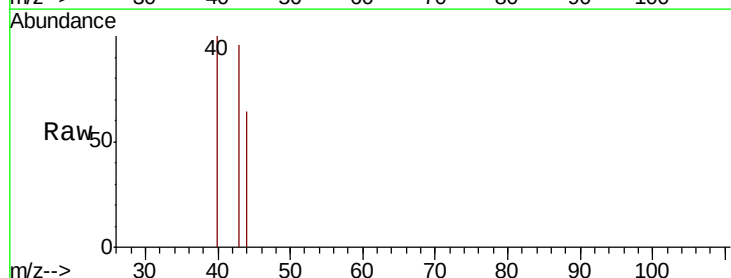
Acq: 25 Apr 2019 13:26

Tgt Ion: 43 Resp: 1184

Ion Ratio Lower Upper

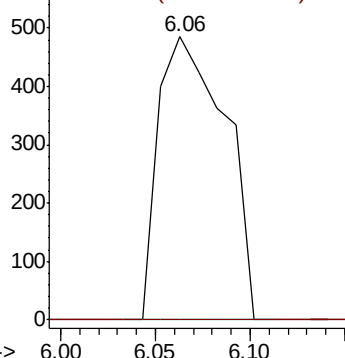
43 100

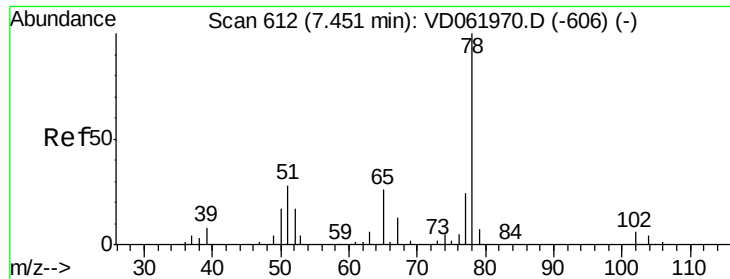
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

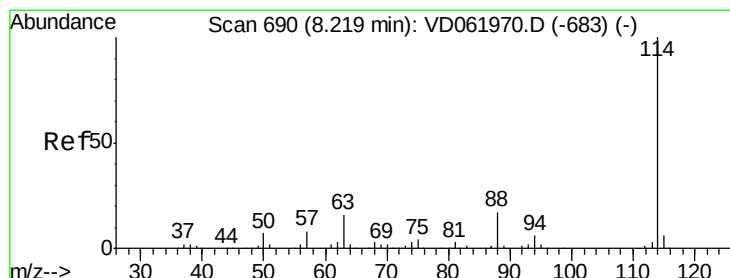
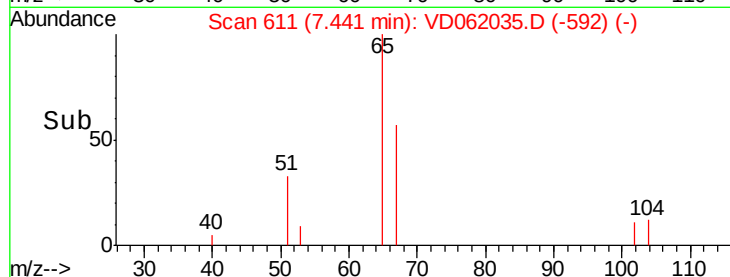
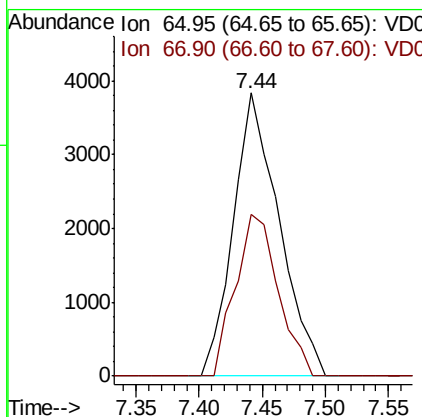
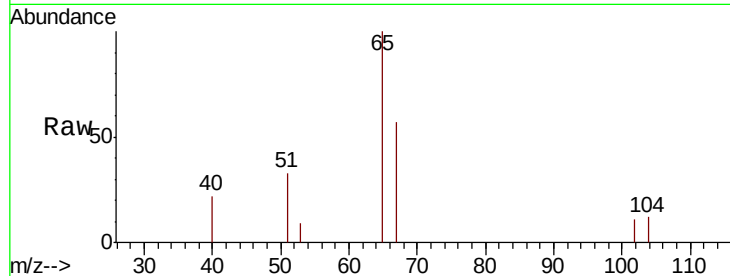




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD062035.D
 Acq: 25 Apr 2019 13:26

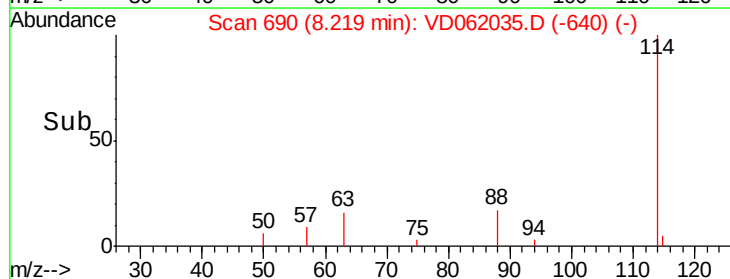
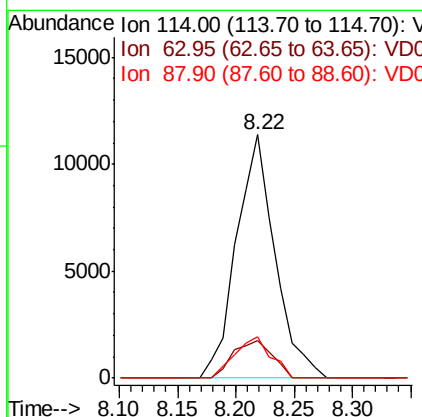
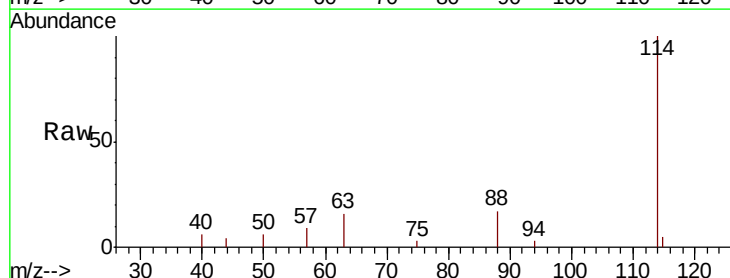
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-2RE

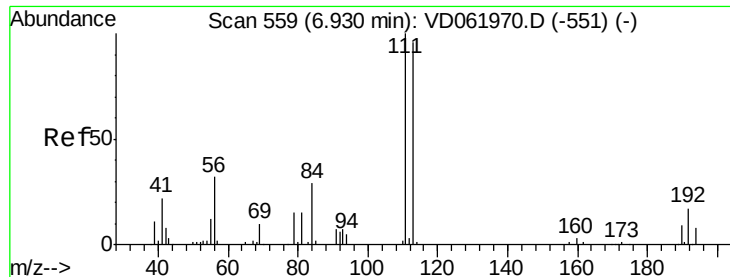
Tgt Ion: 65 Resp: 9640
 Ion Ratio Lower Upper
 65 100
 67 57.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062035.D
 Acq: 25 Apr 2019 13:26

Tgt Ion: 114 Resp: 26082
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 32.4
 88 17.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

TP-3-2RE

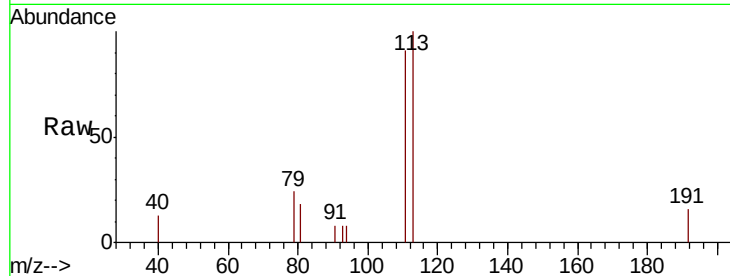
Tgt Ion:113 Resp: 10456

Ion Ratio Lower Upper

113 100

111 91.3 78.5 117.7

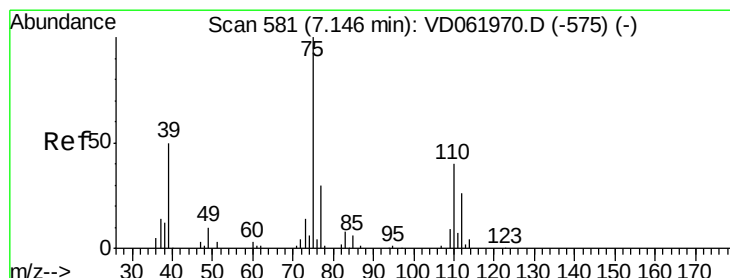
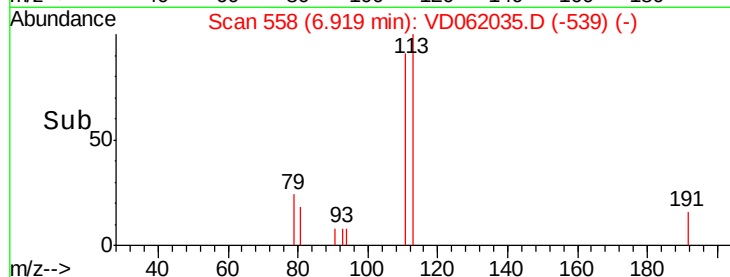
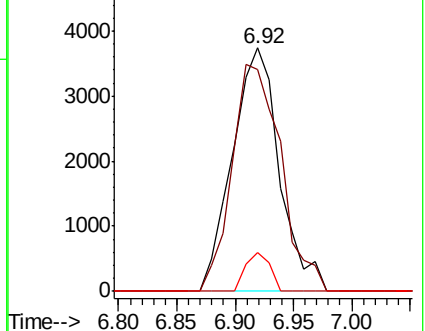
192 15.8 13.0 19.4



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: 1.314 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

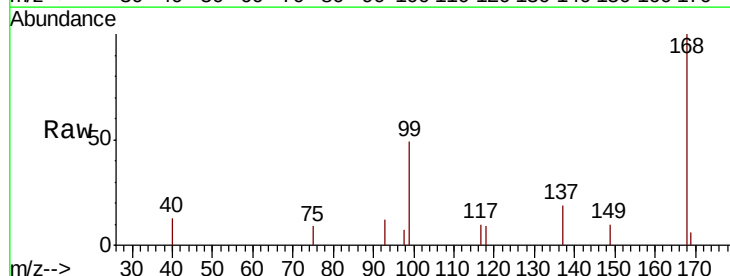
Tgt Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

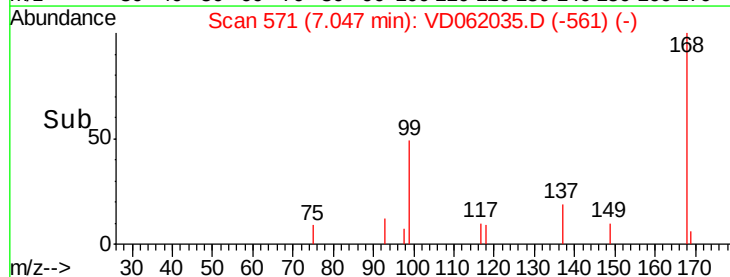
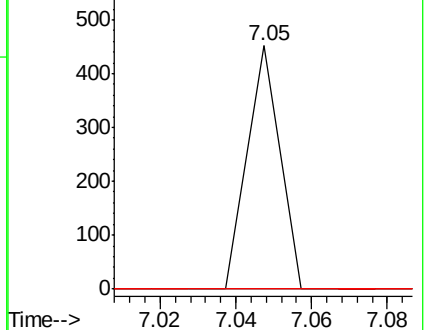
77 0.0 25.6 38.4#

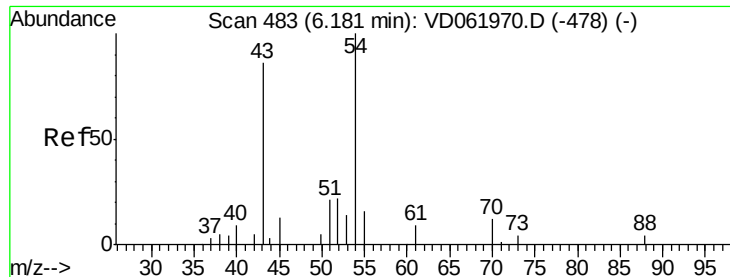


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 13.673 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.12 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

TP-3-2RE

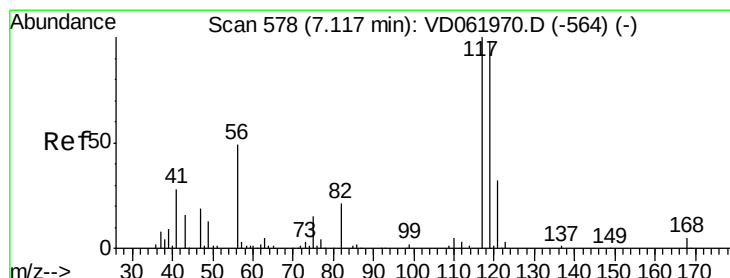
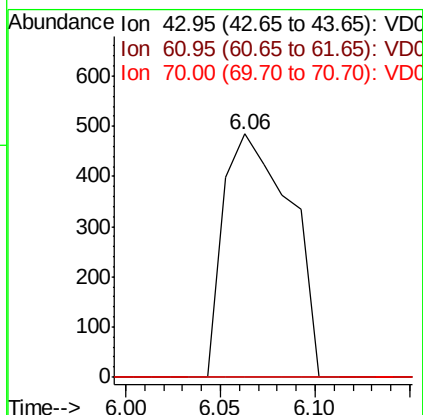
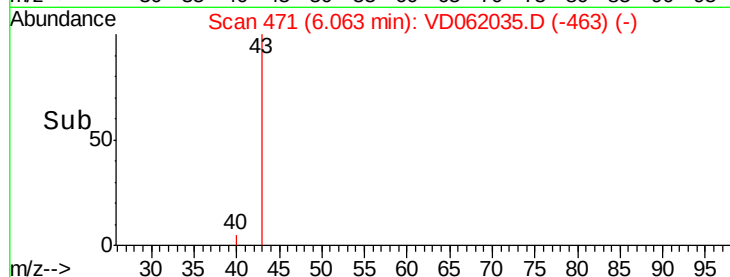
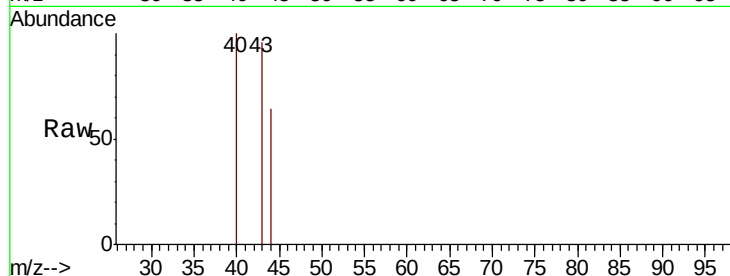
Tgt Ion: 43 Resp: 1184

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 4.944 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

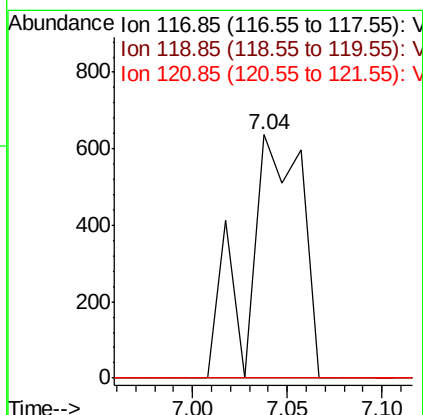
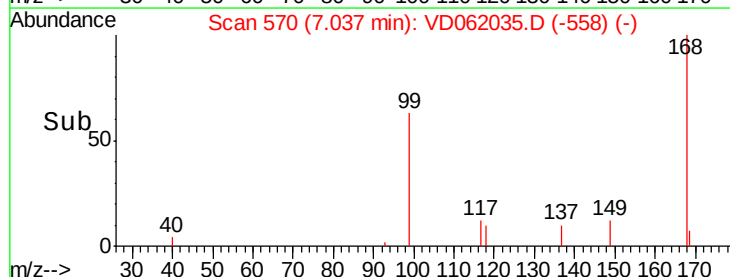
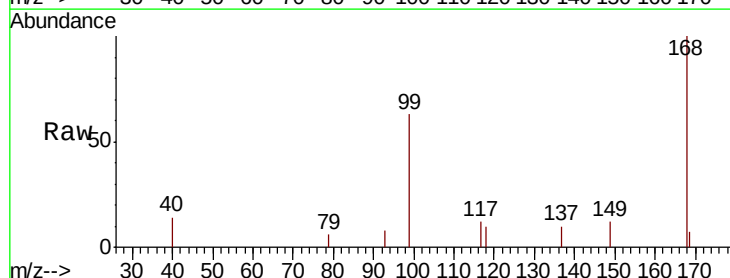
Tgt Ion: 117 Resp: 1273

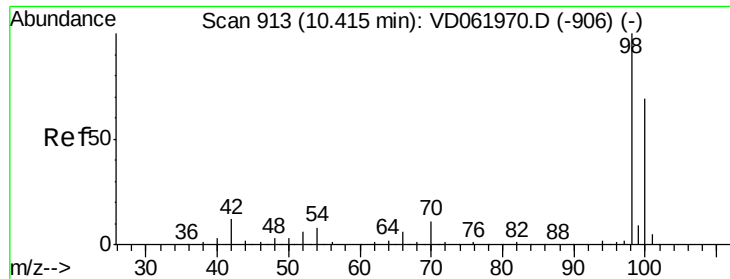
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

121 0.0 25.9 38.9#

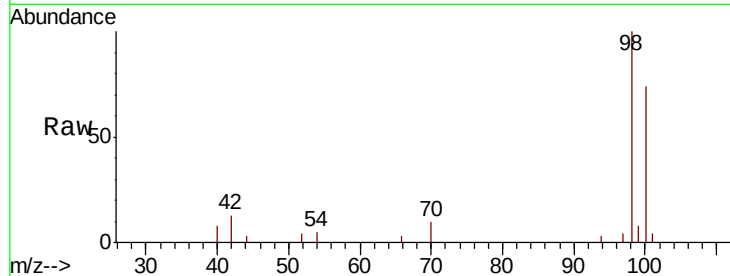




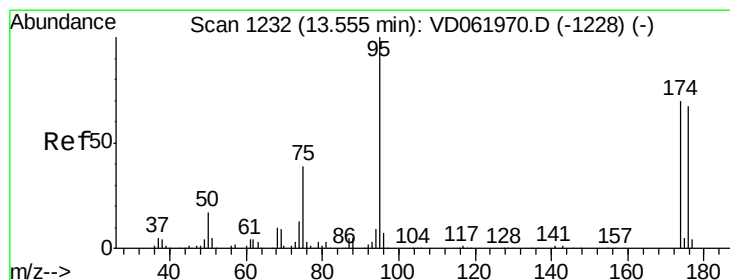
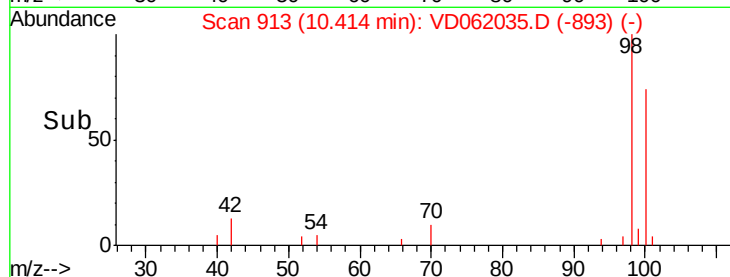
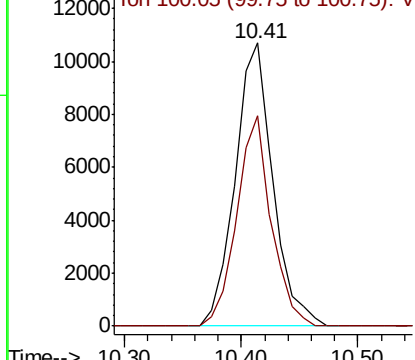
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062035.D
Acq: 25 Apr 2019 13:26

Instrument :
MSVOA_D
ClientSampleId :
TP-3-2RE

Tgt Ion: 98 Resp: 23918
Ion Ratio Lower Upper
98 100
100 74.3 53.8 80.8

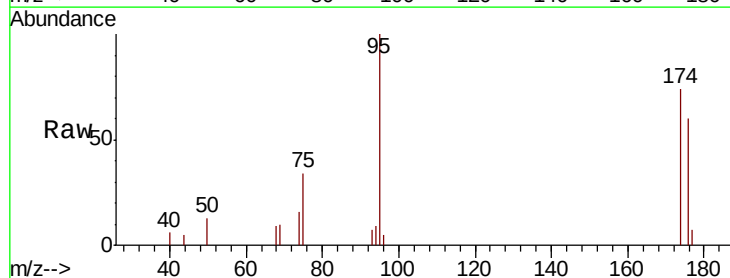


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

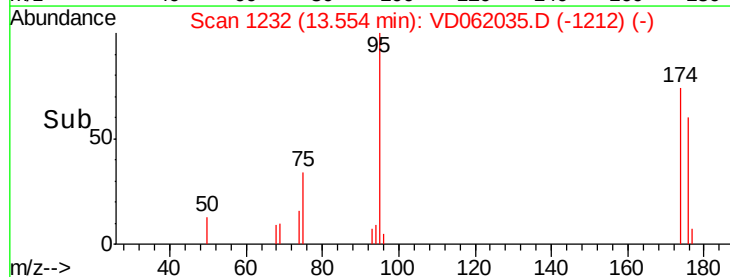
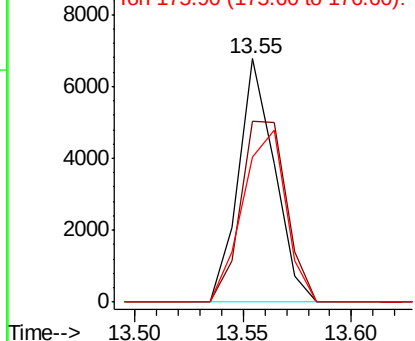


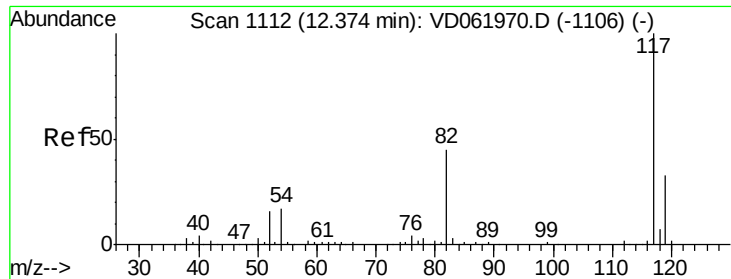
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062035.D
Acq: 25 Apr 2019 13:26

Tgt Ion: 95 Resp: 7933
Ion Ratio Lower Upper
95 100
174 74.3 0.0 181.8
176 59.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

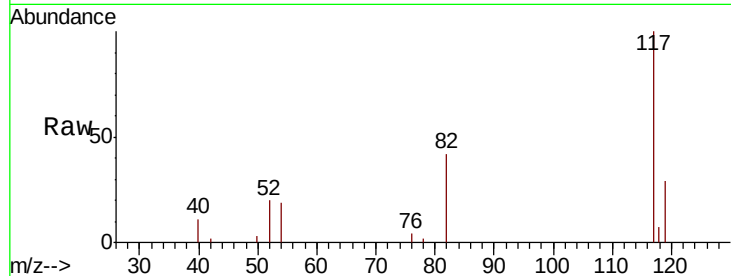




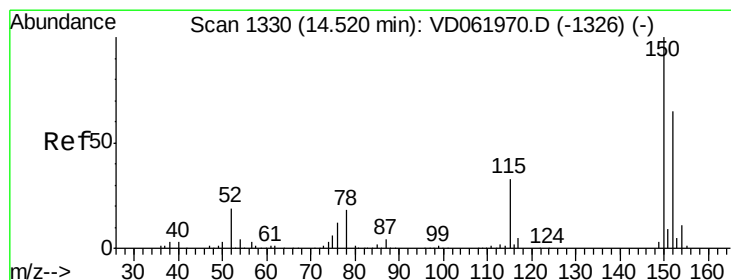
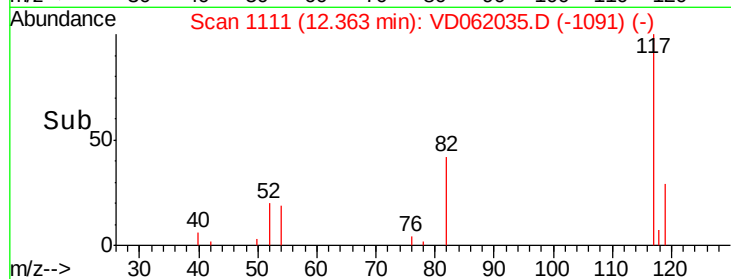
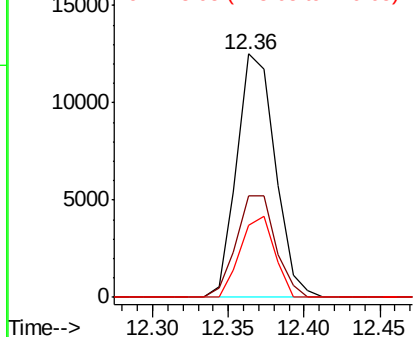
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062035.D
Acq: 25 Apr 2019 13:26

Instrument :
MSVOA_D
ClientSampleId :
TP-3-2RE

Tgt Ion:117 Resp: 22164
Ion Ratio Lower Upper
117 100
82 41.7 36.2 54.2
119 29.5 26.2 39.4

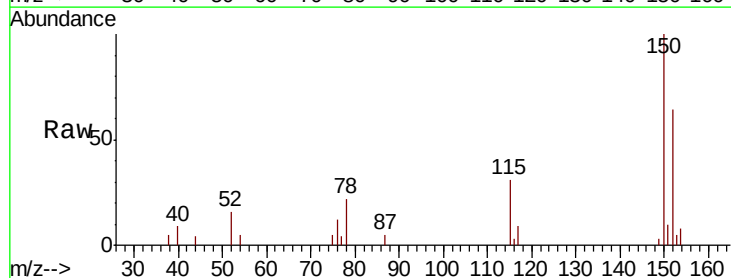


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

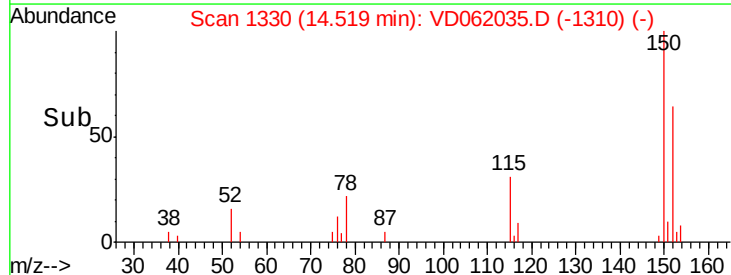
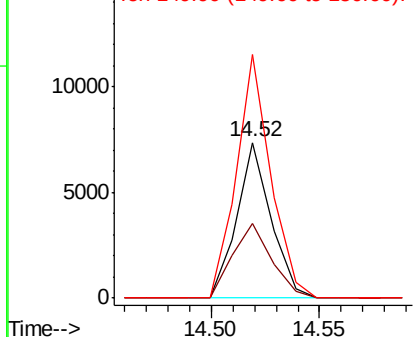


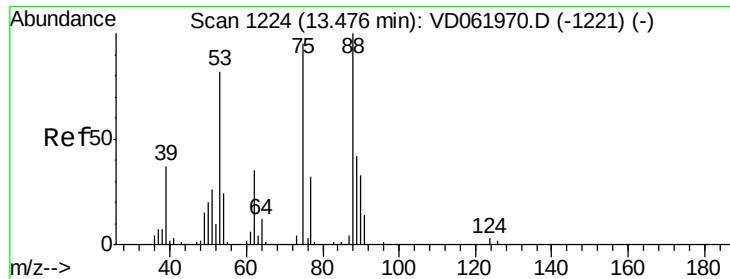
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062035.D
Acq: 25 Apr 2019 13:26

Tgt Ion:152 Resp: 8098
Ion Ratio Lower Upper
152 100
115 48.2 30.9 92.7
150 156.8 0.0 314.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 92.901 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

TP-3-2RE

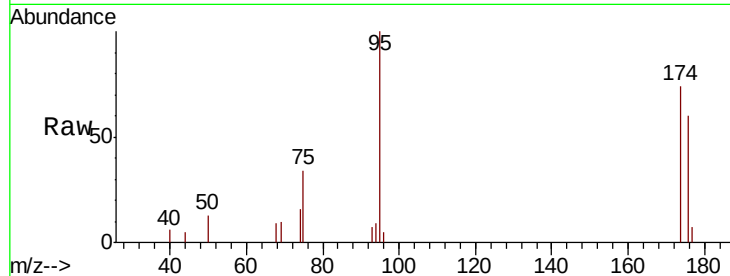
Tgt Ion: 75 Resp: 2895

Ion Ratio Lower Upper

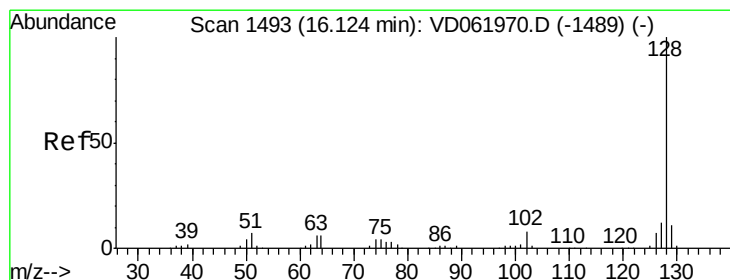
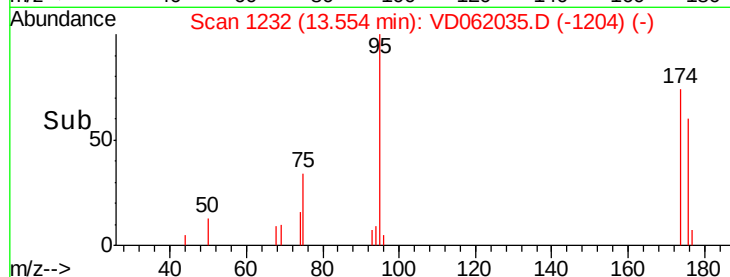
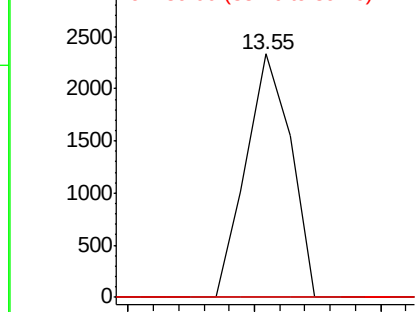
75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 1.431 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062035.D

Acq: 25 Apr 2019 13:26

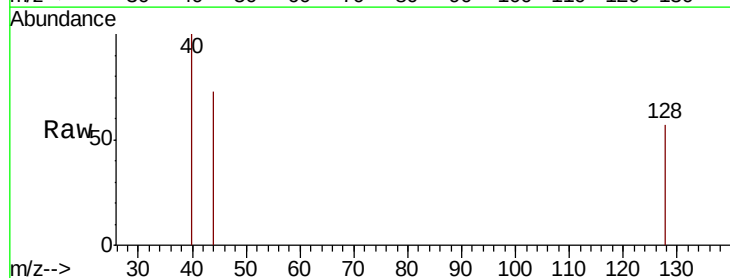
Tgt Ion: 128 Resp: 279

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 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

