

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062234.D
 Acq On : 11 May 2019 13:46
 Operator : FY/SY
 Sample : K2729-03
 Misc : 5.67g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4RE

Quant Time: May 11 22:20:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	723683	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	946345	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	508797	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	123076	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	331249	49.25	ug/l	0.02
Spiked Amount			Recovery	=	98.50%	
35) Dibromofluoromethane	6.92	113	392999	50.05	ug/l	0.02
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.41	98	775510	40.96	ug/l	0.01
Spiked Amount			Recovery	=	81.92%	
62) 4-Bromofluorobenzene	13.55	95	177776	23.38	ug/l	0.00
Spiked Amount			Recovery	=	46.76%	

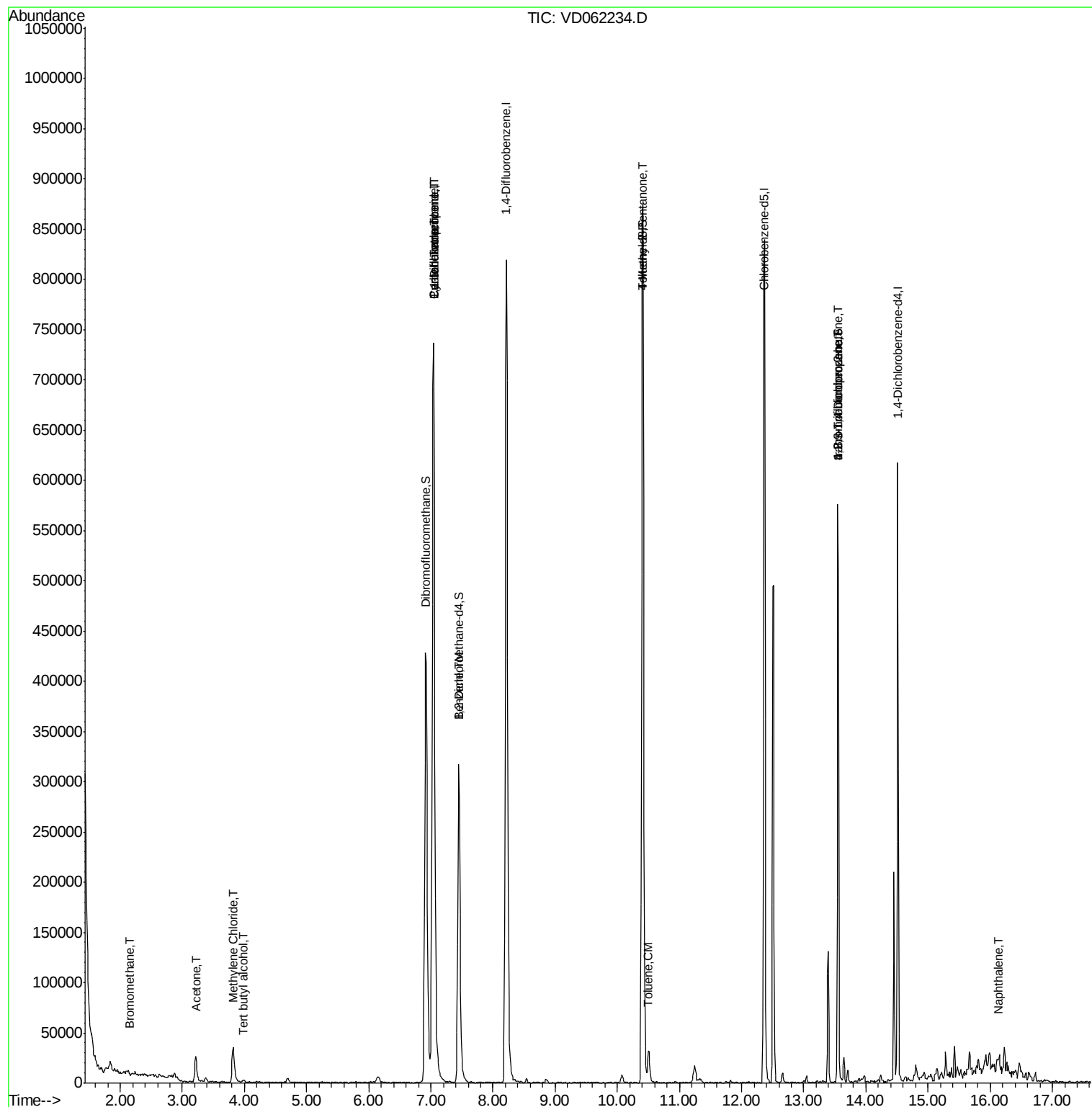
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	1208	1.049	ug/l #	12
11) Tert butyl alcohol	3.98	59	1932	5.628	ug/l #	76
16) Acetone	3.22	43	48511	34.396	ug/l #	76
20) Methylene Chloride	3.82	84	24885	4.226	ug/l	93
31) Cyclohexane	7.03	56	13782	1.953	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	54170	6.981	ug/l #	48
38) Carbon Tetrachloride	7.04	117	71653	6.672	ug/l #	16
40) Benzene	7.45	78	18205	1.039	ug/l #	82
51) 4-Methyl-2-Pentanone	10.41	43	4005	1.335	ug/l #	1
52) Toluene	10.50	92	15886	1.394	ug/l	93
76) 1,2,3-Trichloropropane	13.55	75	61148	41.806	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	73810	178.753	ug/l #	16
95) Naphthalene	16.13	128	8581	2.718	ug/l #	94

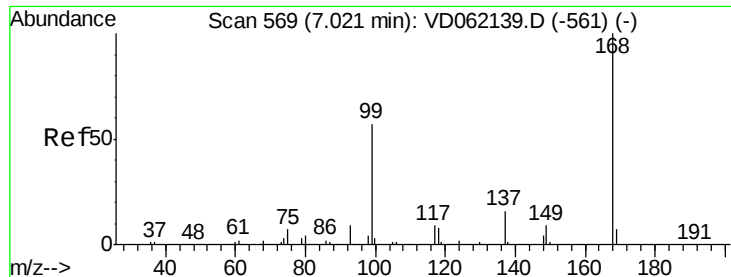
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051119\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

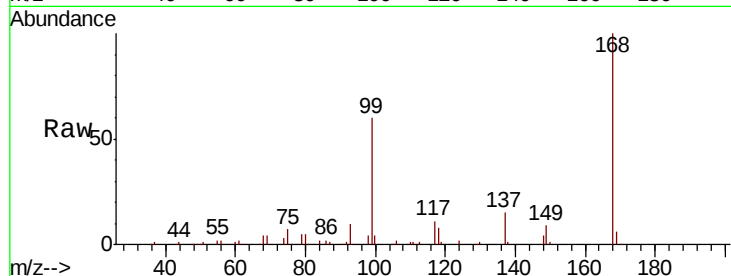
B-4RE

Tot Ion:168 Resp: 723683

Ion Ratio Lower Upper

168 100

99 59.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

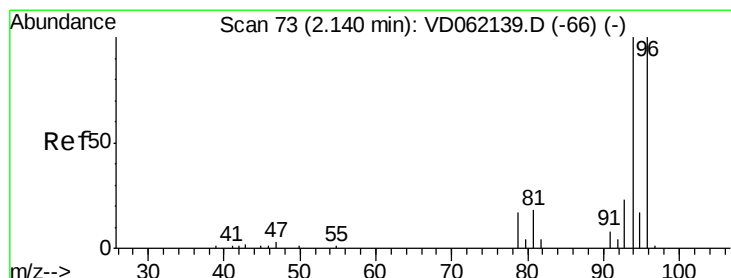
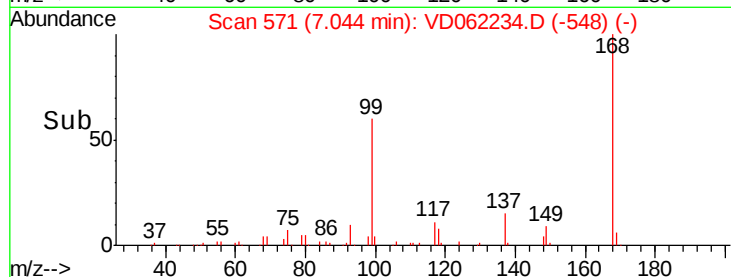
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.049 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

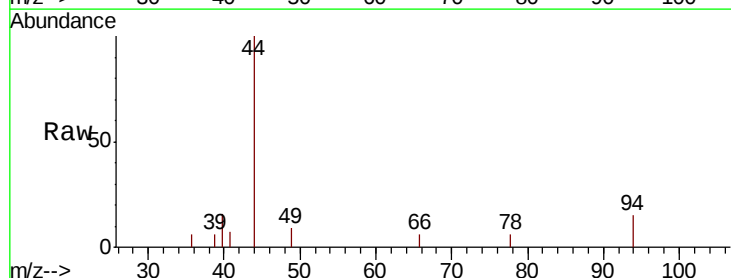
Tgt Ion: 94 Resp: 1208

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

1200

1000

800

600

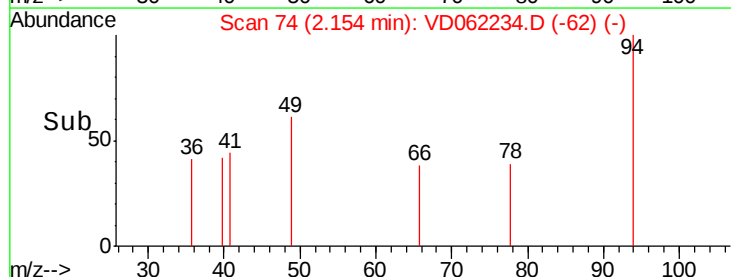
400

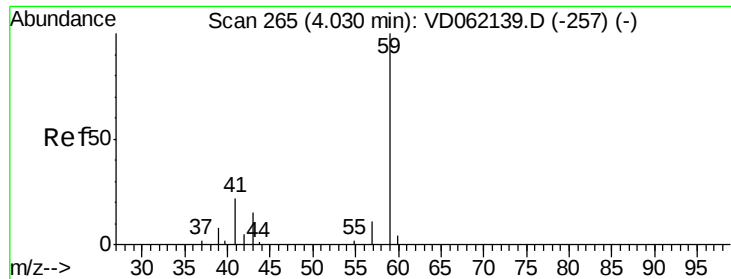
200

0

Time-->

2.14 2.16 2.18



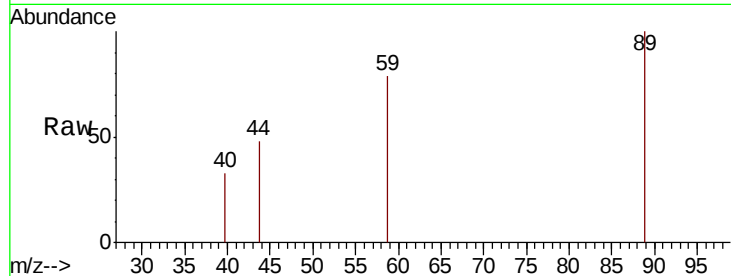


#11

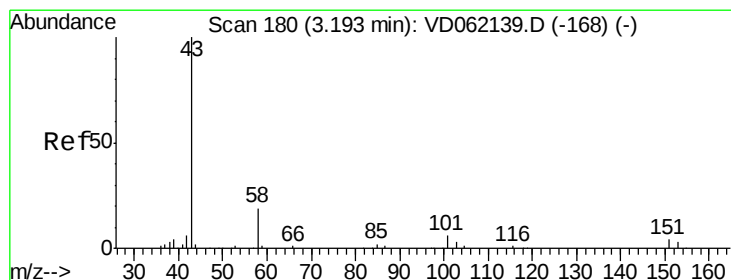
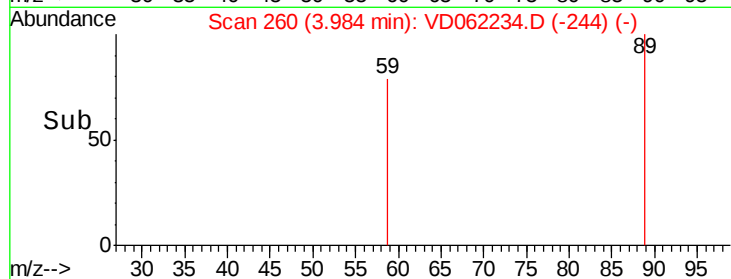
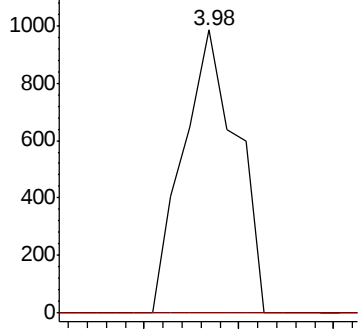
Tert butyl alcohol
 Concen: 5.628 ug/l
 RT: 3.98 min Scan# 260
 Delta R.T. -0.05 min
 Lab File: VD062234.D
 Acq: 11 May 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4RE

Tot Ion: 59 Resp: 1932
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



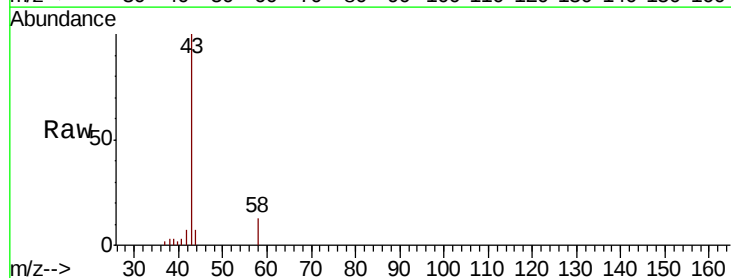
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



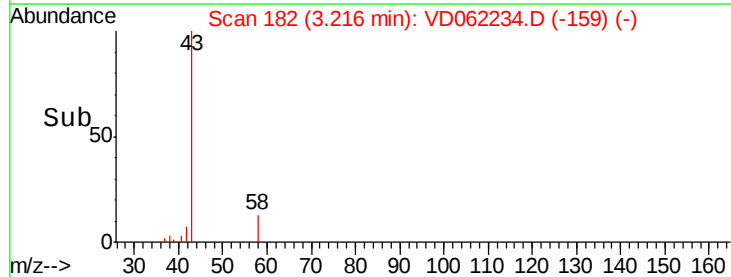
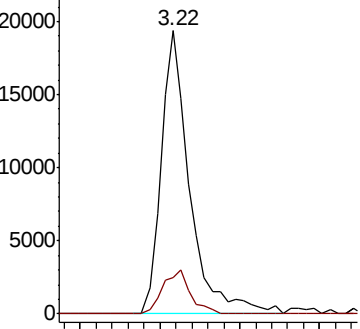
#16

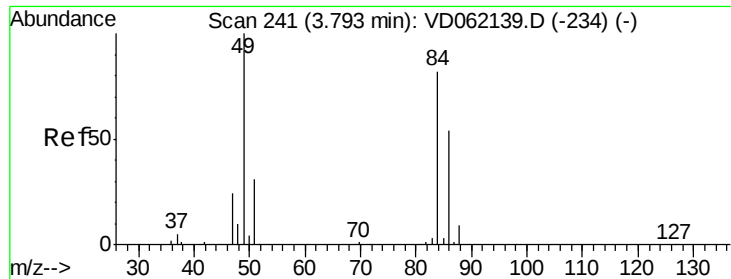
Acetone
 Concen: 34.396 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.02 min
 Lab File: VD062234.D
 Acq: 11 May 2019 13:46

Tgt Ion: 43 Resp: 48511
 Ion Ratio Lower Upper
 43 100
 58 12.8 19.9 29.9#



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



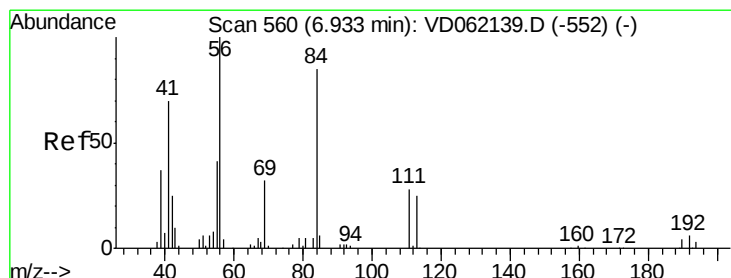
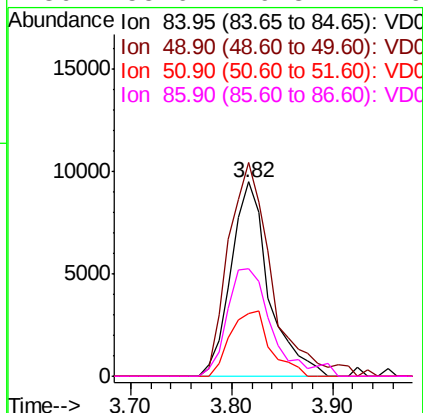
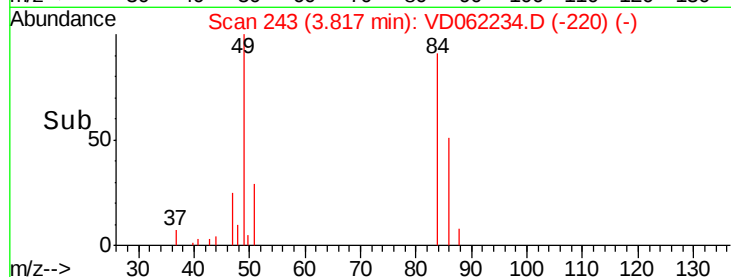
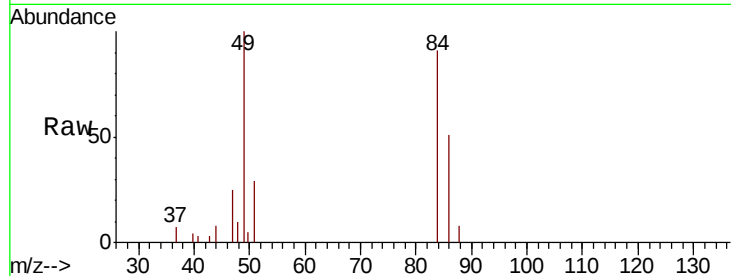


#20
Methylene Chloride
Concen: 4.226 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
B-4RE

Tot Ion: 84 Resp: 24885

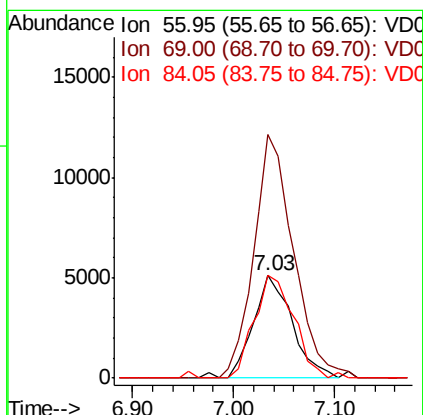
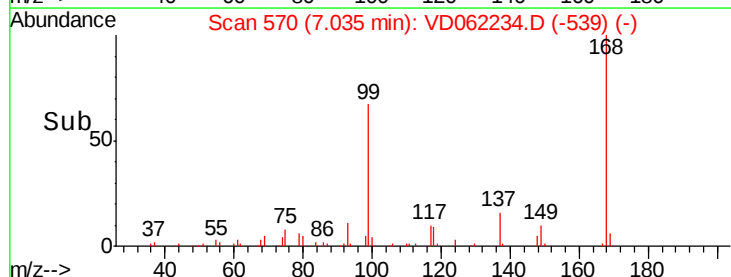
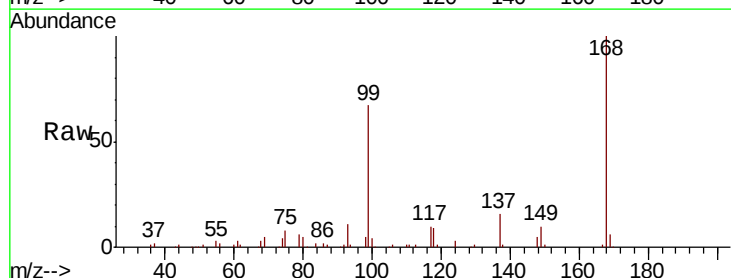
Ion	Ratio	Lower	Upper
84	100		
49	110.0	94.0	141.0
51	32.3	29.0	43.4
86	55.6	49.8	74.6

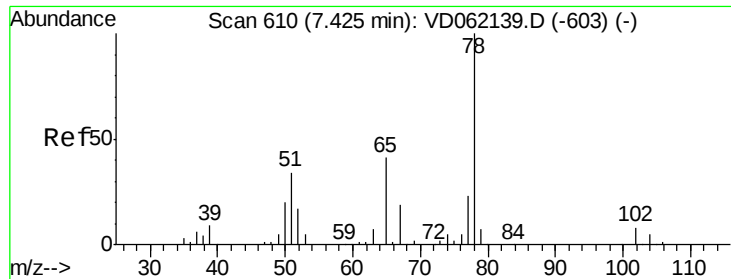


#31
Cyclohexane
Concen: 1.953 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Tgt Ion: 56 Resp: 13782

Ion	Ratio	Lower	Upper
56	100		
69	237.2	25.8	38.6#
84	100.1	72.2	108.4





#33

1,2-Dichloroethane-d4

Concen: 49.254 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

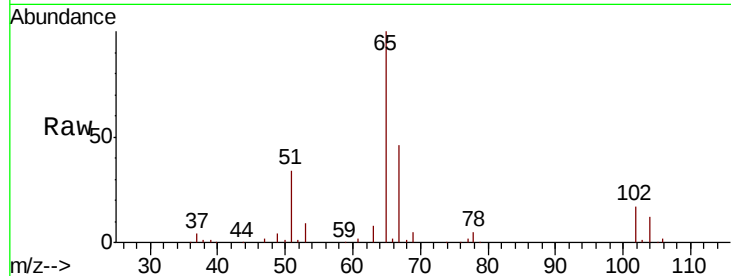
B-4RE

Tot Ion: 65 Resp: 331249

Ion Ratio Lower Upper

65 100

67 46.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

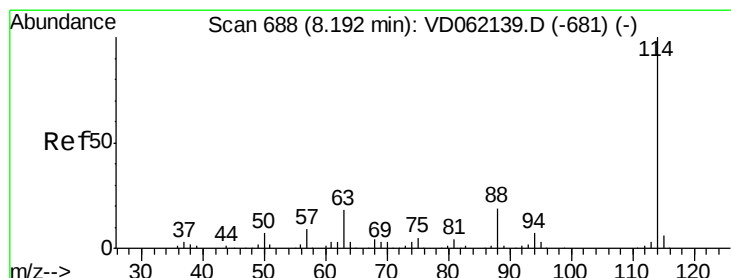
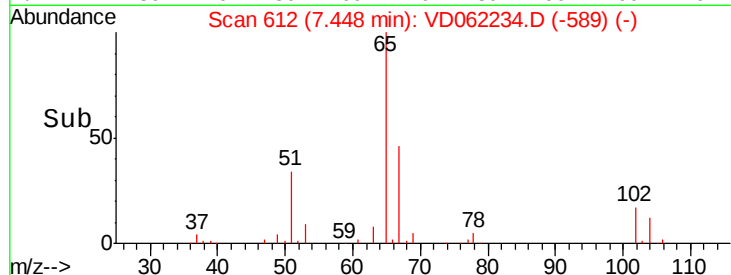
7.45

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

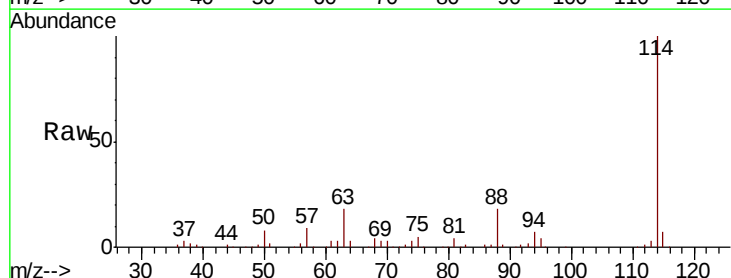
Tgt Ion: 114 Resp: 946345

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

88 17.8 0.0 33.6



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

8.22

500000

400000

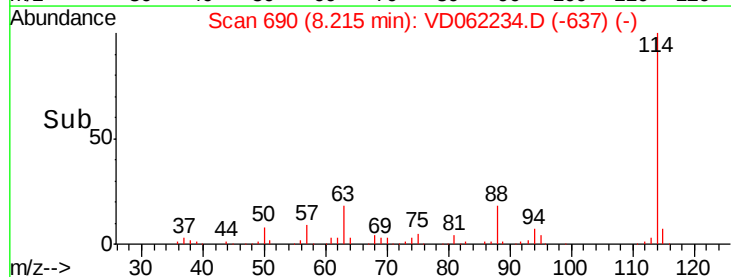
300000

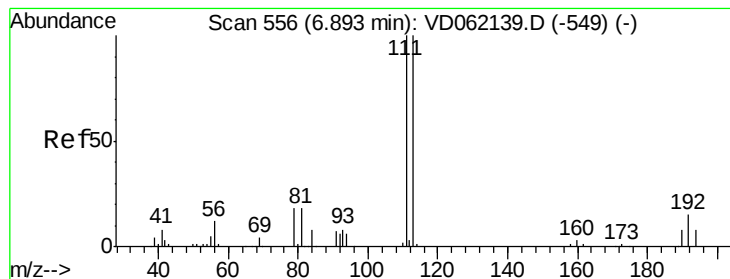
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.051 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

B-4RE

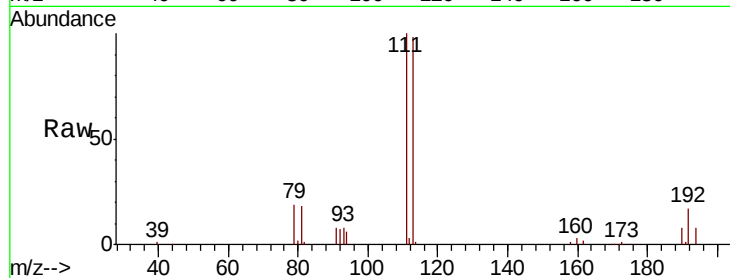
Tot Ion:113 Resp: 392999

Ion Ratio Lower Upper

113 100

111 102.3 78.5 117.7

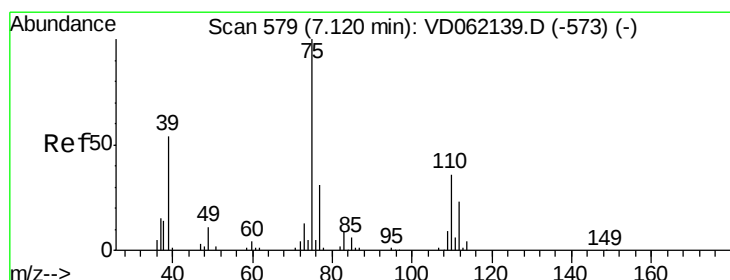
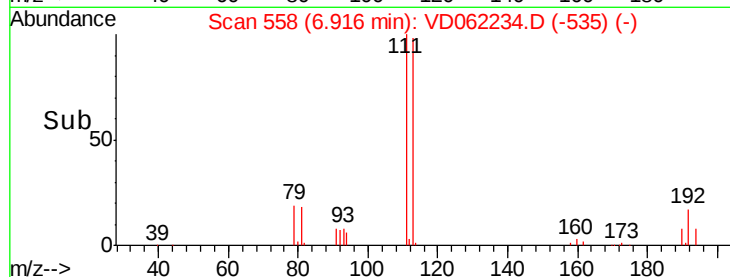
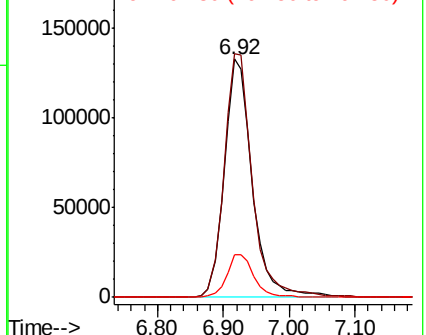
192 17.8 13.0 19.4



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: 6.981 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

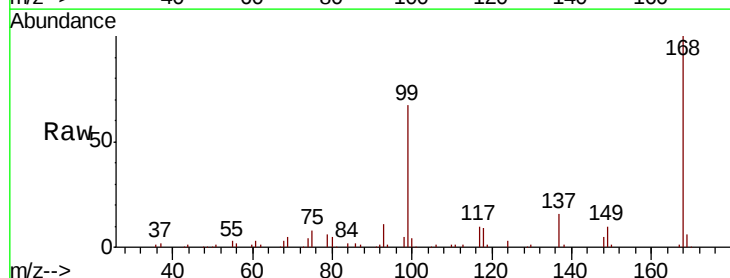
Tgt Ion: 75 Resp: 54170

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.1#

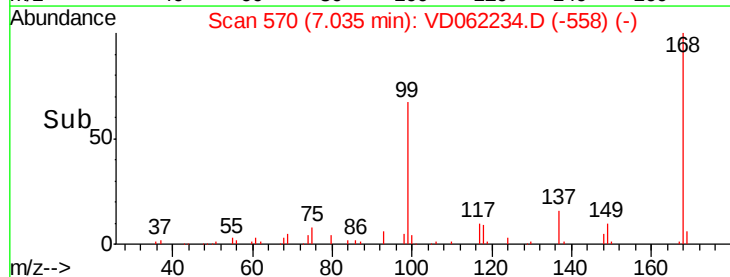
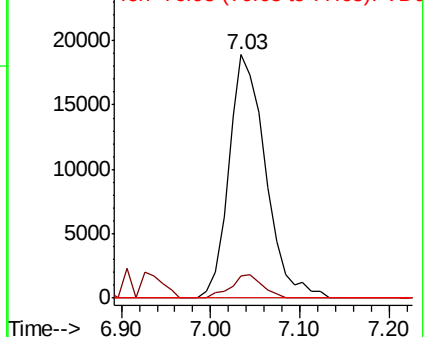
77 0.0 25.6 38.4#

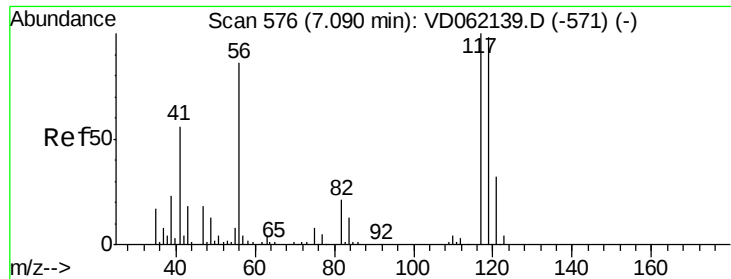


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

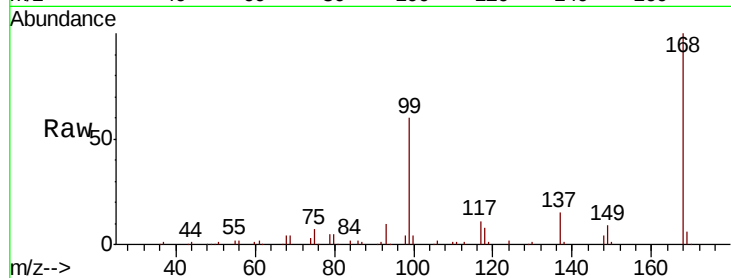




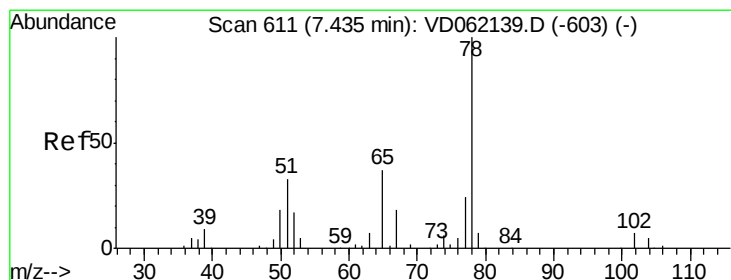
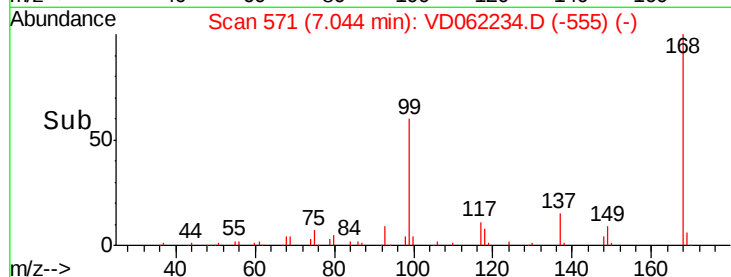
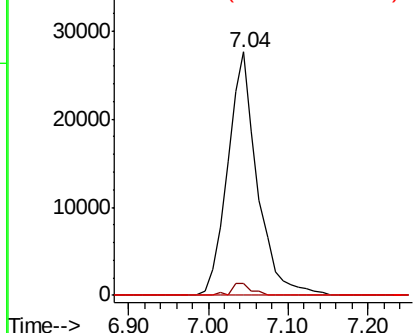
#38
Carbon Tetrachloride
Concen: 6.672 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
B-4RE

Tot Ion:117 Resp: 71653
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 25.9 38.9#

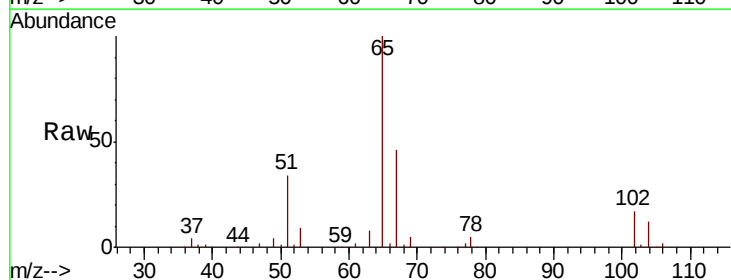


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

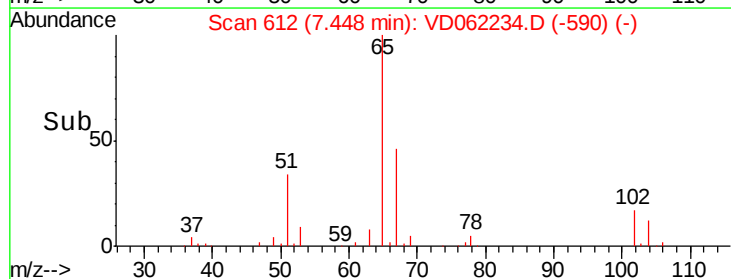
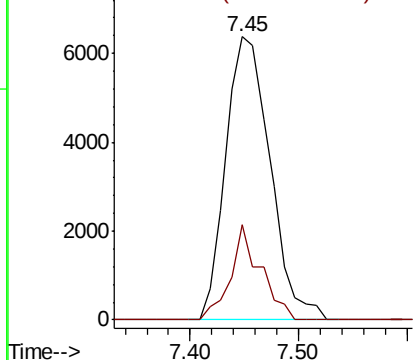


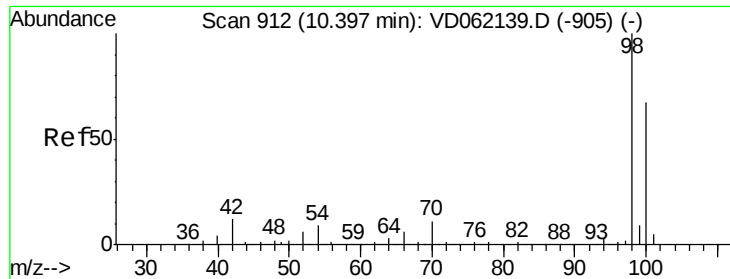
#40
Benzene
Concen: 1.039 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Tgt Ion: 78 Resp: 18205
Ion Ratio Lower Upper
78 100
77 33.8 19.7 29.5#



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

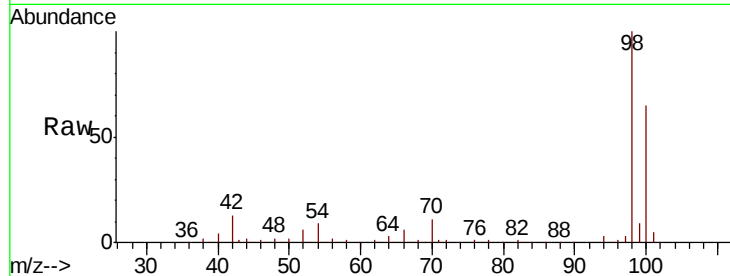




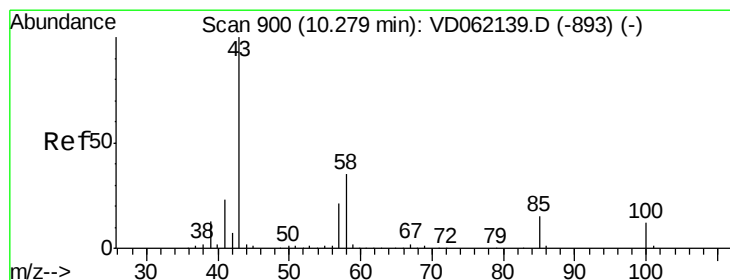
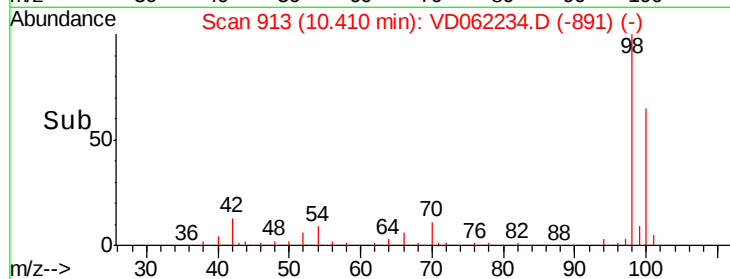
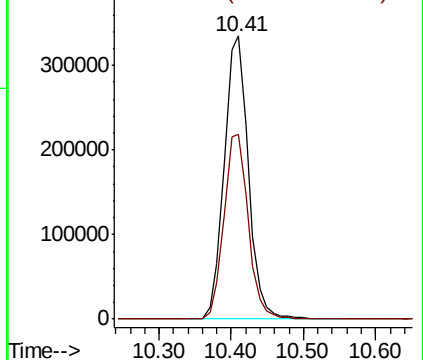
#50
Toluene-d8
Concen: 40.964 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
B-4RE

Tot Ion: 98 Resp: 775510
Ion Ratio Lower Upper
98 100
100 65.1 53.8 80.8

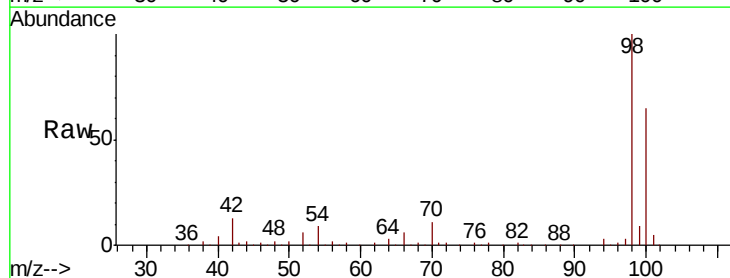


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

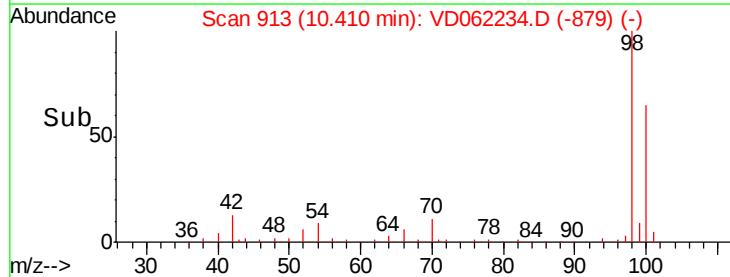
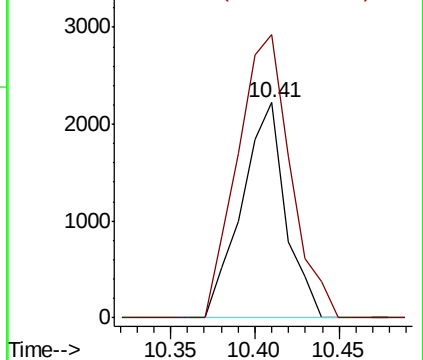


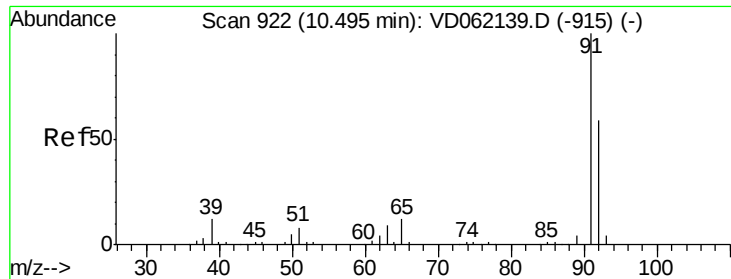
#51
4-Methyl-2-Pentanone
Concen: 1.335 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.13 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Tgt Ion: 43 Resp: 4005
Ion Ratio Lower Upper
43 100
58 131.7 30.4 45.6#



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





#52

Toluene

Concen: 1.394 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

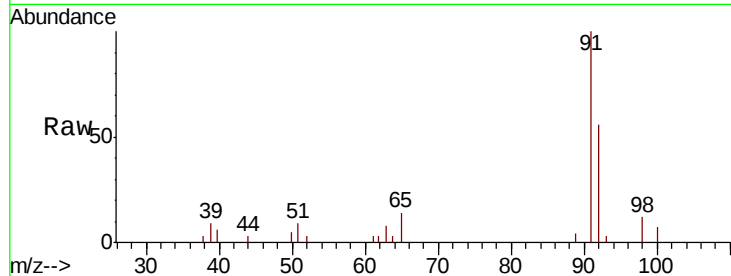
B-4RE

Tot Ion: 92 Resp: 15886

Ion Ratio Lower Upper

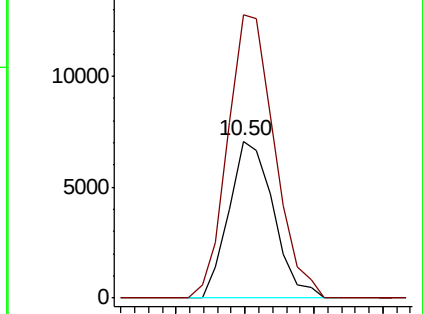
92 100

91 180.1 136.6 204.8

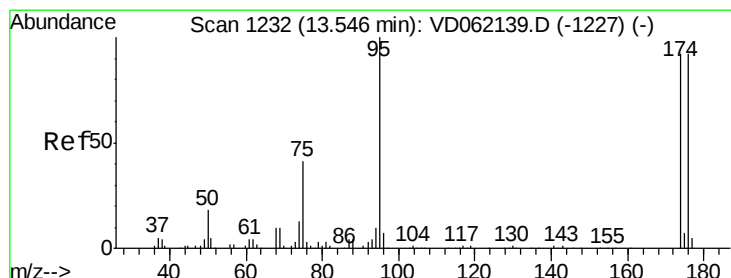
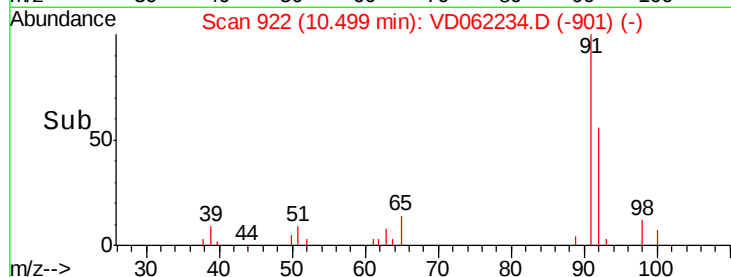


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 23.385 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

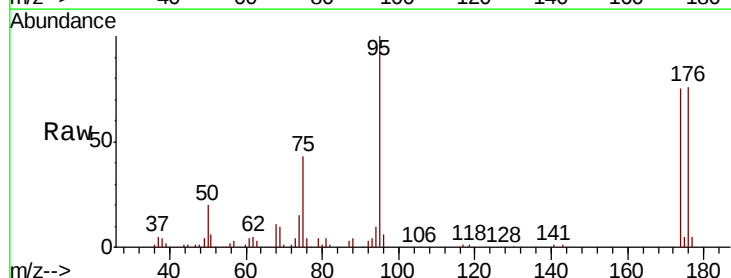
Tgt Ion: 95 Resp: 177776

Ion Ratio Lower Upper

95 100

174 75.2 0.0 181.8

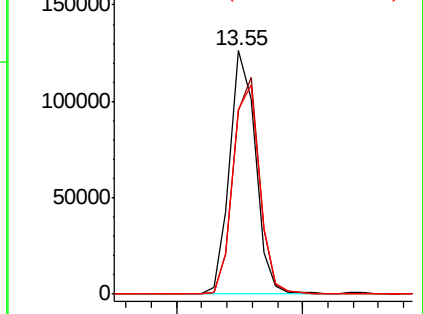
176 75.7 0.0 174.4



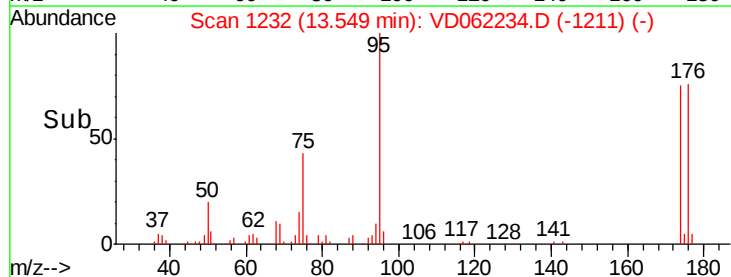
Abundance Ion 95.00 (94.70 to 95.70): VDC

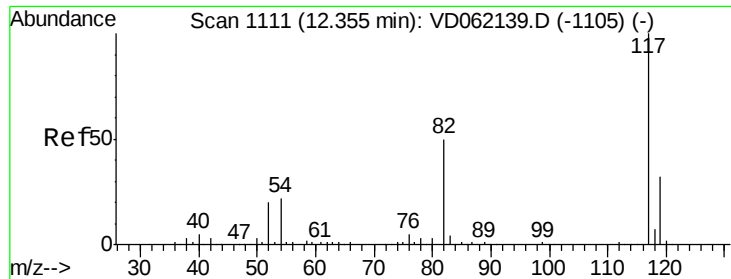
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

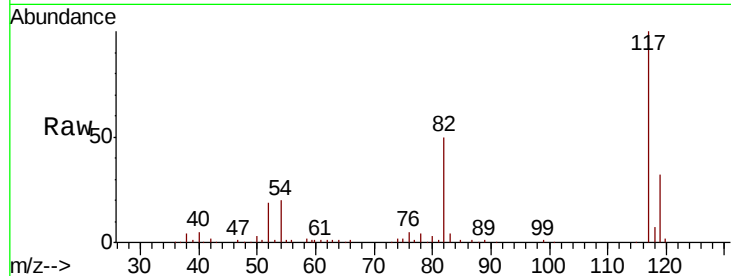




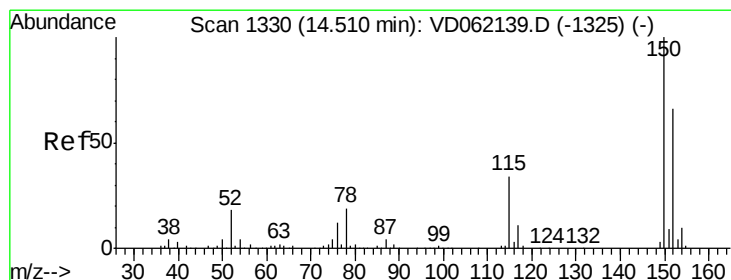
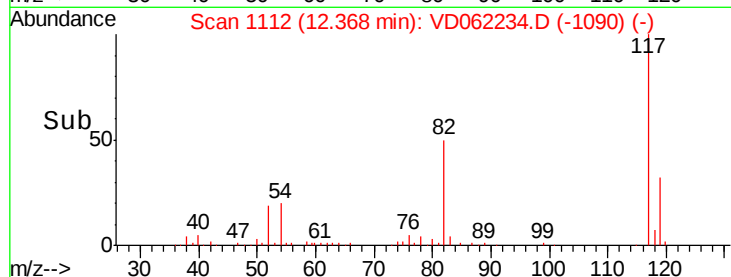
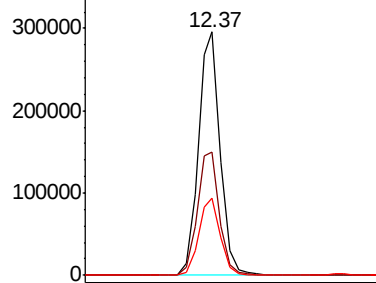
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
B-4RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	36.2	54.2
119	31.7	26.2	39.4

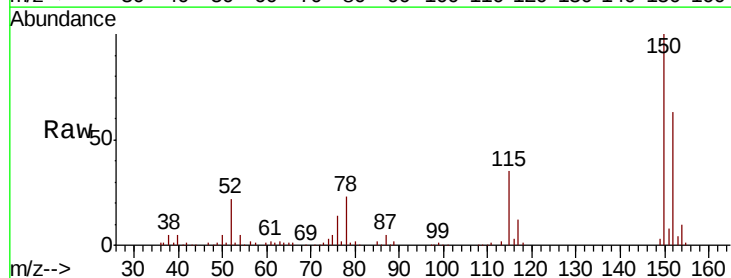


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

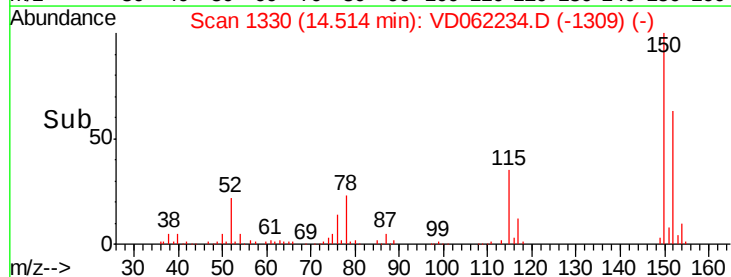
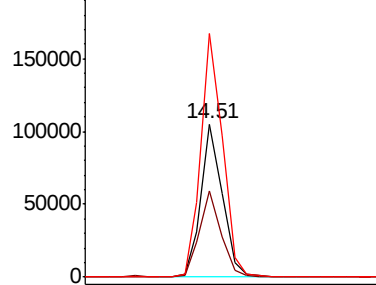


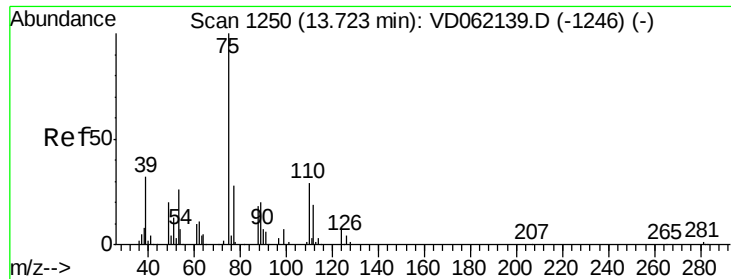
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062234.D
Acq: 11 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	30.9	92.7
150	159.3	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





#76

1,2,3-Trichloropropane

Concen: 41.806 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

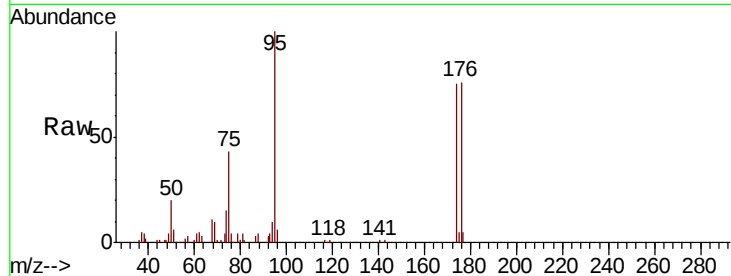
B-4RE

Tot Ion: 75 Resp: 61148

Ion Ratio Lower Upper

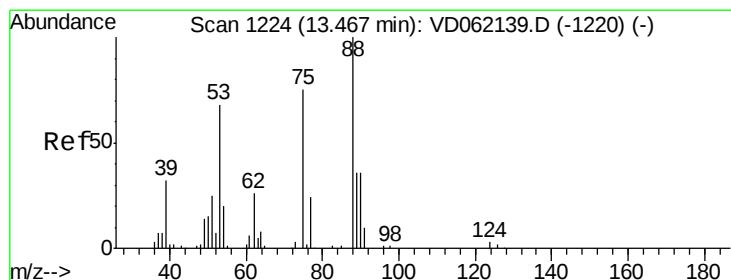
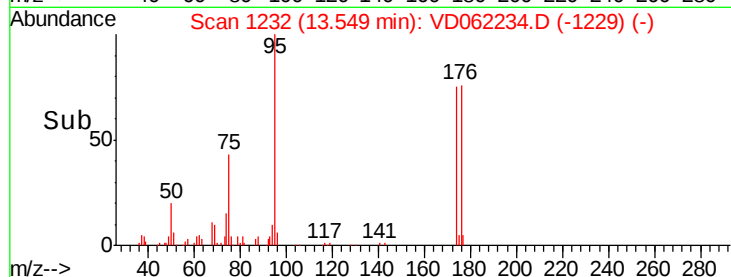
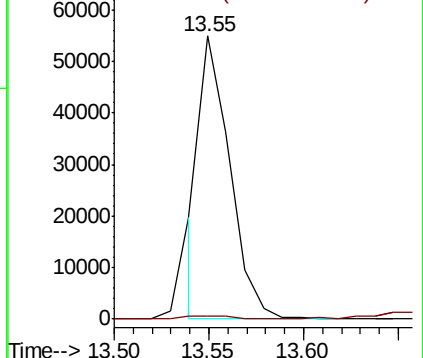
75 100

77 1.1 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 178.753 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062234.D

Acq: 11 May 2019 13:46

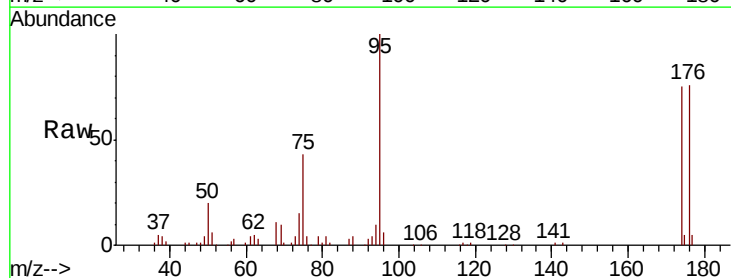
Tgt Ion: 75 Resp: 73810

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

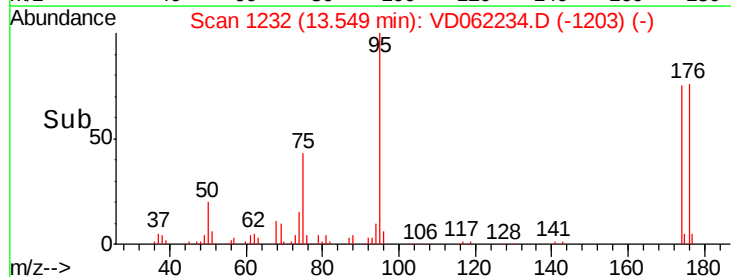
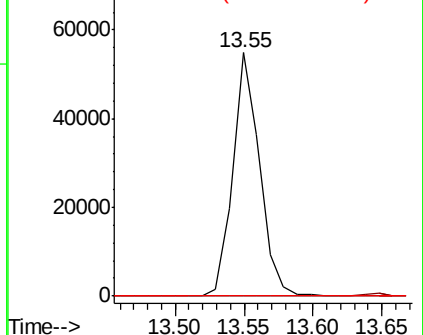
89 0.0 35.0 52.6#

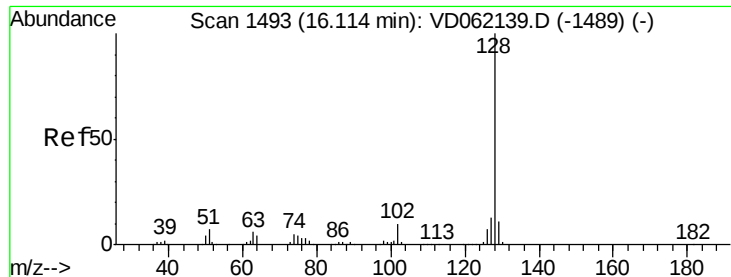


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

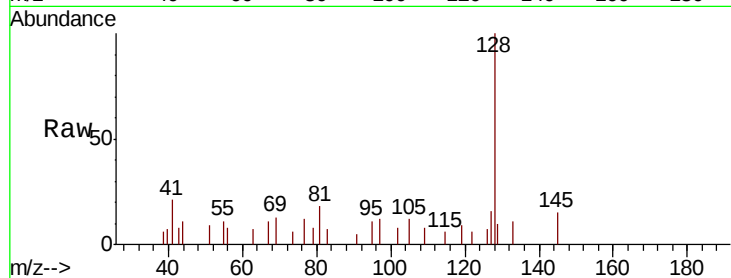




#95
 Naphthalene
 Concen: 2.718 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD062234.D
 Acq: 11 May 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.2	9.8	14.8#
129	10.3	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

