

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062237.D
 Acq On : 11 May 2019 15:08
 Operator : FY/SY
 Sample : K2718-08RE
 Misc : 5.21g/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01

Quant Time: May 11 22:21:28 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	455424	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	546543	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	248055	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	44634	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	253876	59.99	ug/l	0.02
Spiked Amount			Recovery	=	119.98%	
35) Dibromofluoromethane	6.92	113	283567	62.53	ug/l	0.03
Spiked Amount			Recovery	=	125.06%	
50) Toluene-d8	10.41	98	418424	38.27	ug/l	0.01
Spiked Amount			Recovery	=	76.54%	
62) 4-Bromofluorobenzene	13.56	95	70308	16.01	ug/l	0.01
Spiked Amount			Recovery	=	32.02%	

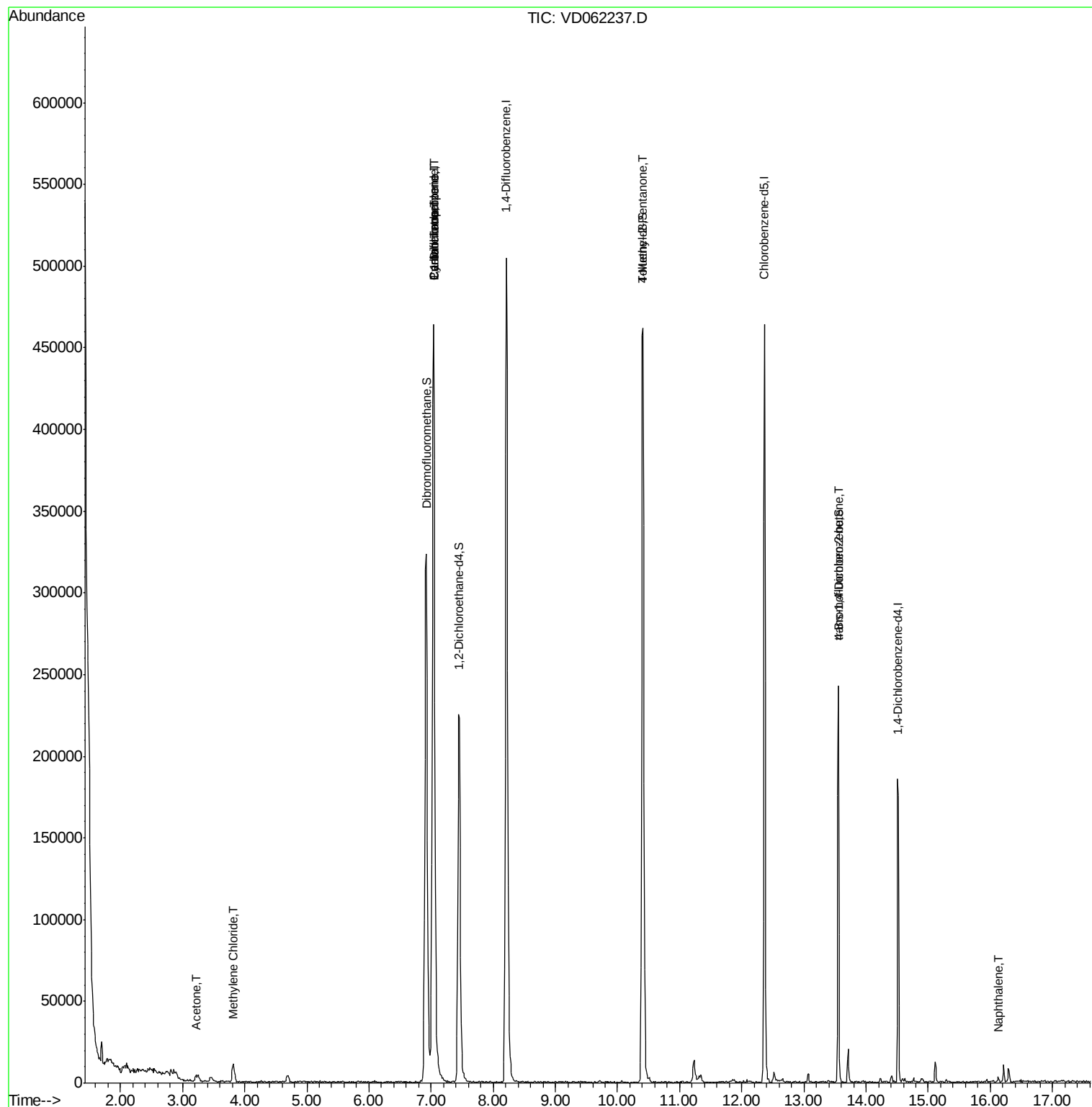
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	7567	8.526	ug/l #	73
20) Methylene Chloride	3.81	84	7419	2.002	ug/l #	92
31) Cyclohexane	7.04	56	8898	2.004	ug/l #	6
36) 1,1-Dichloropropene	7.04	75	36484	8.142	ug/l #	48
38) Carbon Tetrachloride	7.04	117	46491	7.496	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	2035	1.175	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	30505	203.712	ug/l #	16
95) Naphthalene	16.12	128	2508	2.190	ug/l #	70

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062237.D

Acq: 11 May 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

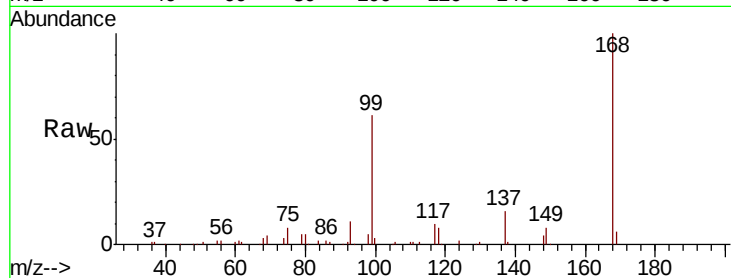
P026-SS006-0002-01

Tot Ion:168 Resp: 455424

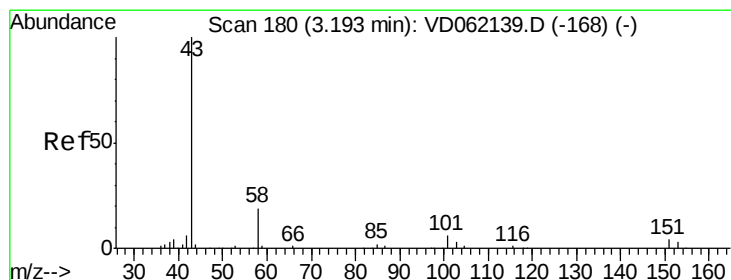
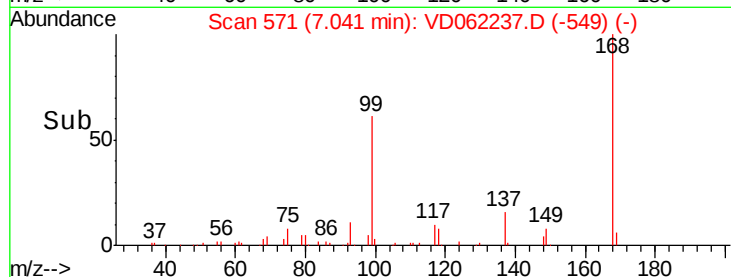
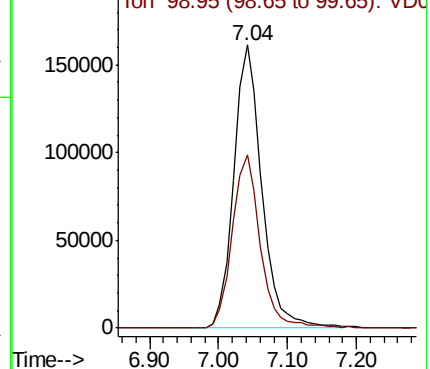
Ion Ratio Lower Upper

168 100

99 61.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 8.526 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062237.D

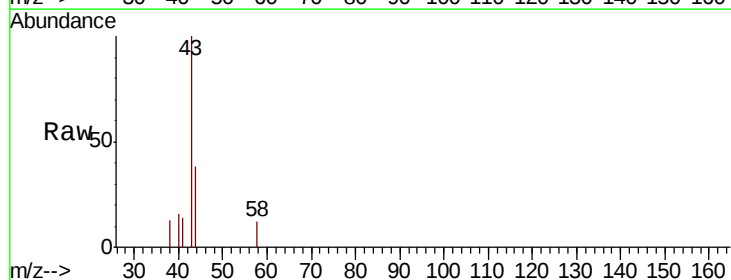
Acq: 11 May 2019 15:08

Tgt Ion: 43 Resp: 7567

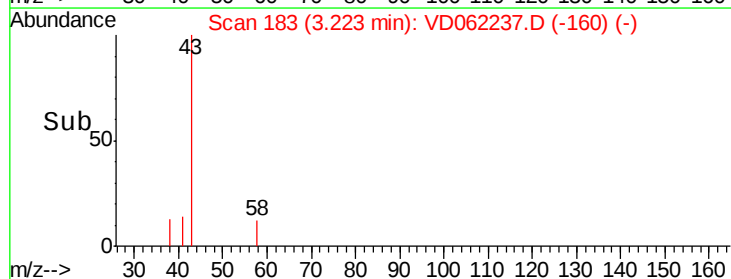
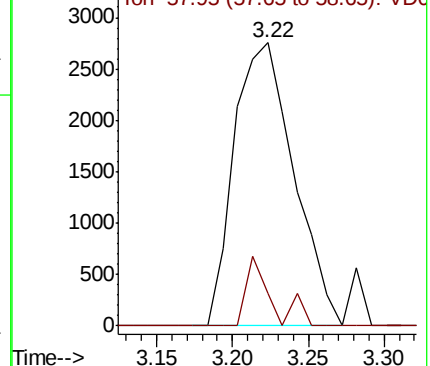
Ion Ratio Lower Upper

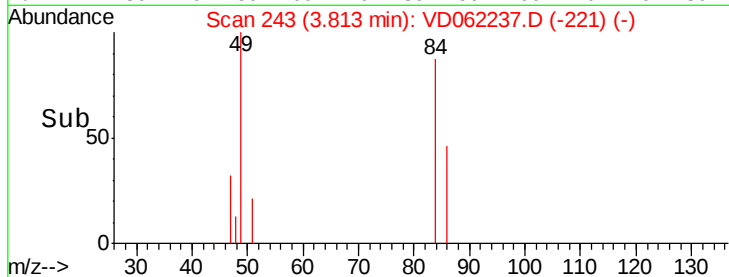
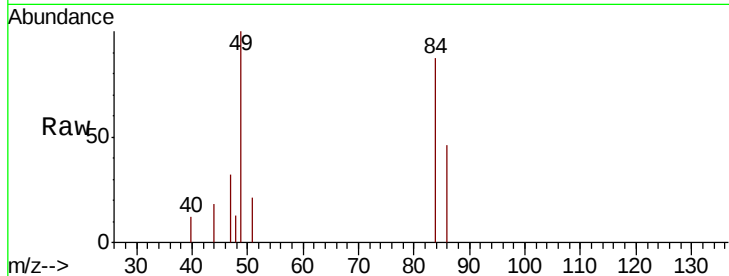
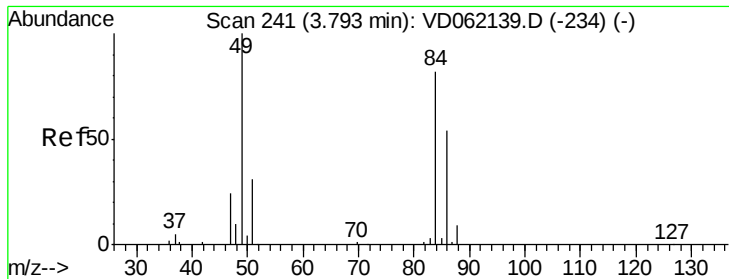
43 100

58 11.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): V

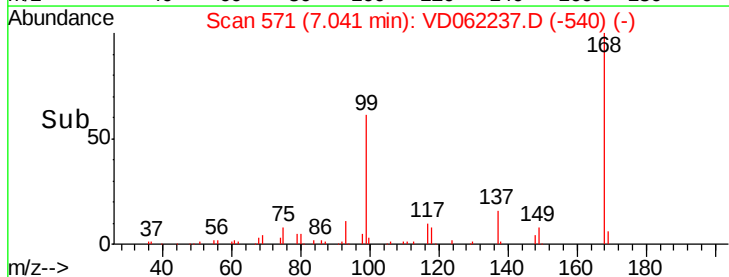
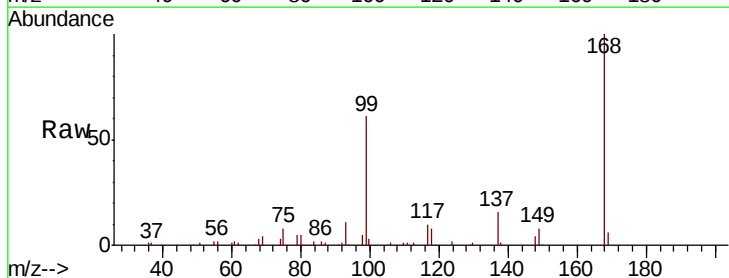
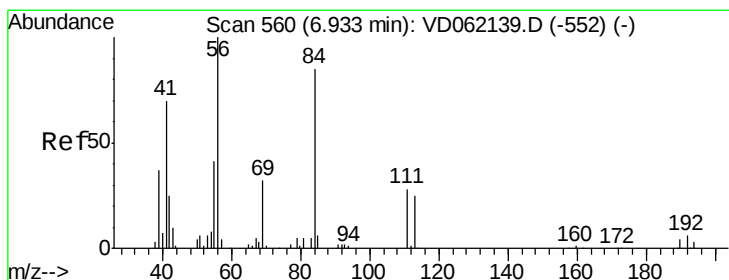
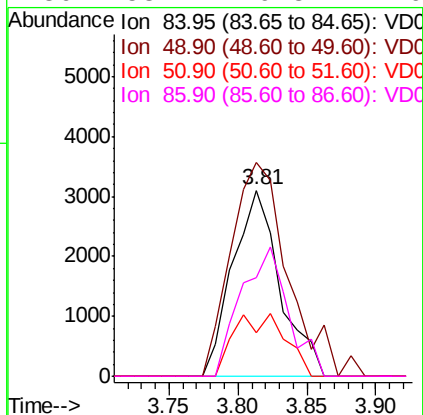




#20
Methylene Chloride
Concen: 2.002 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062237.D
Acq: 11 May 2019 15:08

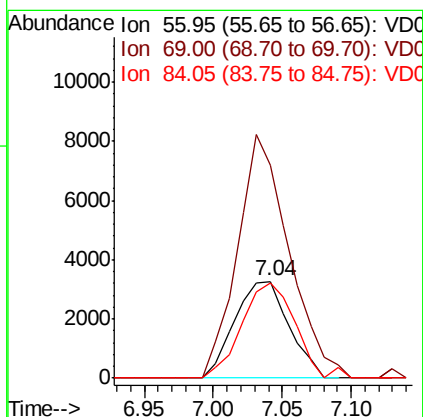
Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01

Tot Ion:	84	Resp:	7419
Ion	Ratio	Lower	Upper
84	100		
49	115.0	94.0	141.0
51	23.7	29.0	43.4#
86	53.2	49.8	74.6



#31
Cyclohexane
Concen: 2.004 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062237.D
Acq: 11 May 2019 15:08

Tgt Ion:	56	Resp:	8898
Ion	Ratio	Lower	Upper
56	100		
69	220.0	25.8	38.6#
84	97.8	72.2	108.4

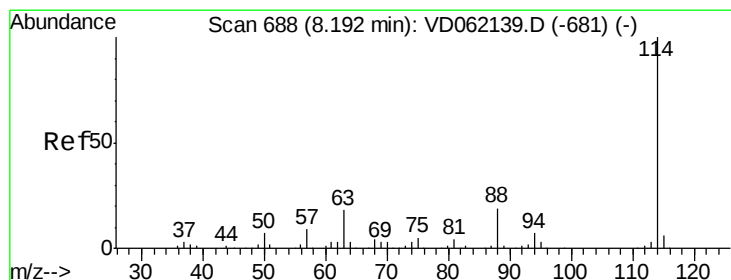
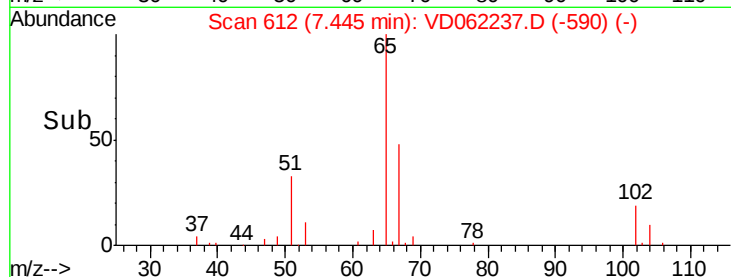
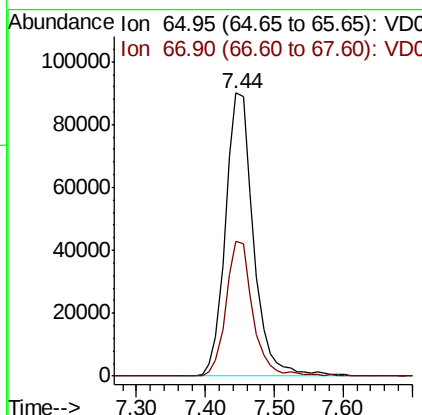
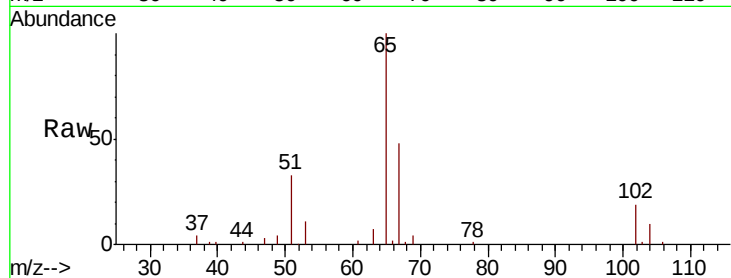




#33
 1,2-Dichloroethane-d4
 Concen: 59.985 ug/l
 RT: 7.44 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD062237.D
 Acq: 11 May 2019 15:08

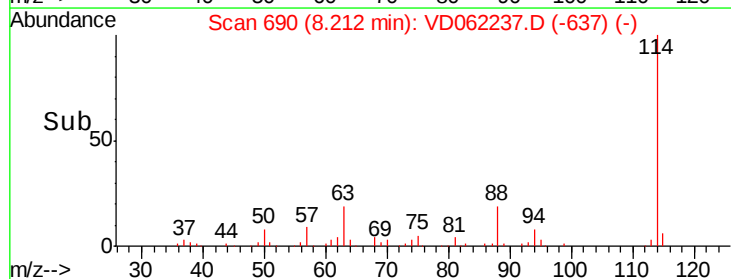
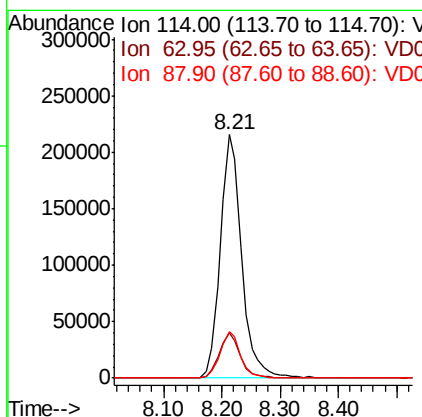
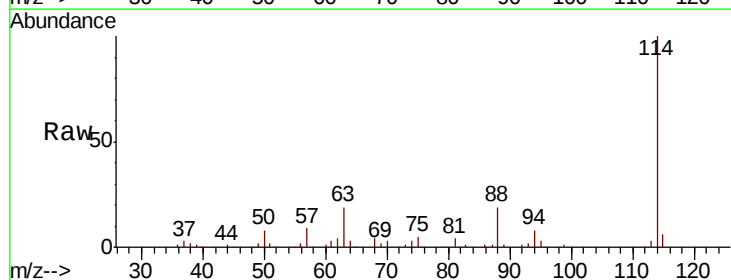
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01

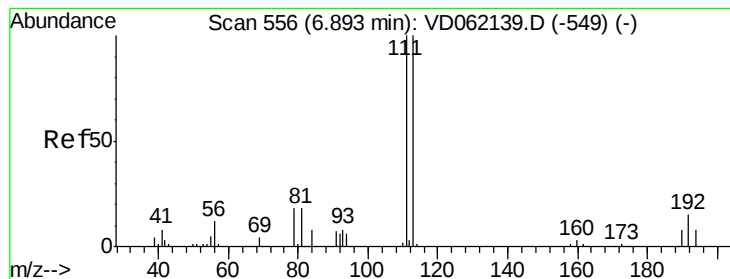
Tot Ion: 65 Resp: 253876
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062237.D
 Acq: 11 May 2019 15:08

Tgt Ion: 114 Resp: 546543
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 32.4
 88 19.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 62.532 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062237.D

Acq: 11 May 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01

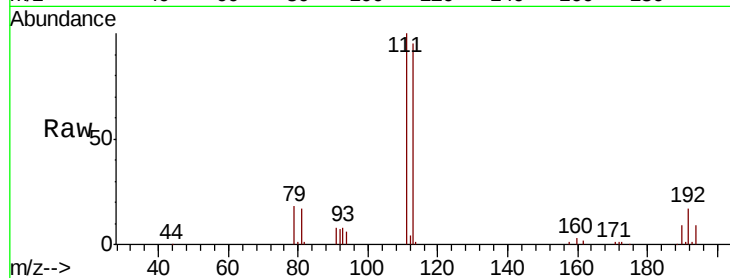
Tot Ion:113 Resp: 283567

Ion Ratio Lower Upper

113 100

111 105.8 78.5 117.7

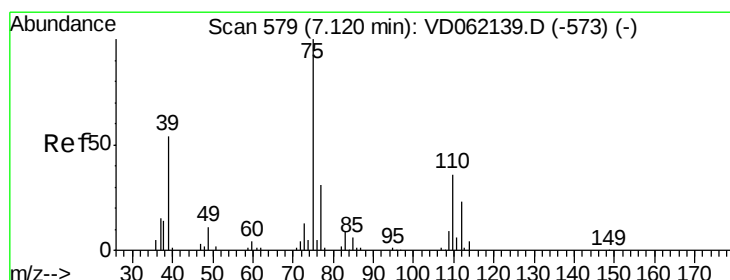
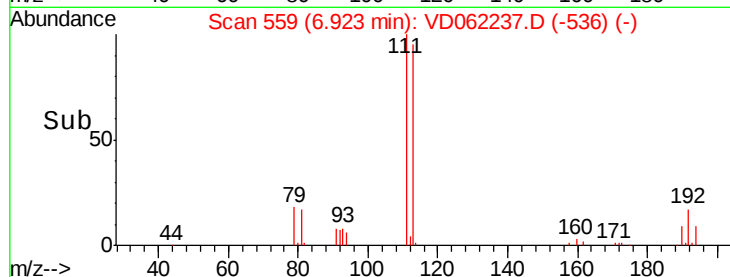
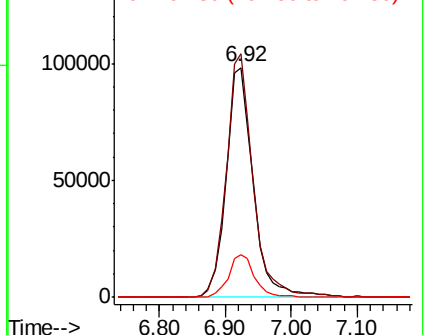
192 18.3 13.0 19.4



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: 8.142 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062237.D

Acq: 11 May 2019 15:08

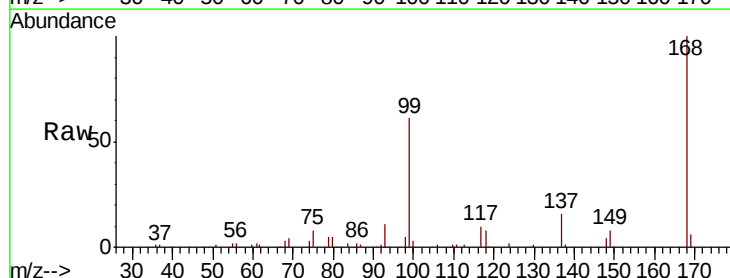
Tgt Ion: 75 Resp: 36484

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.1#

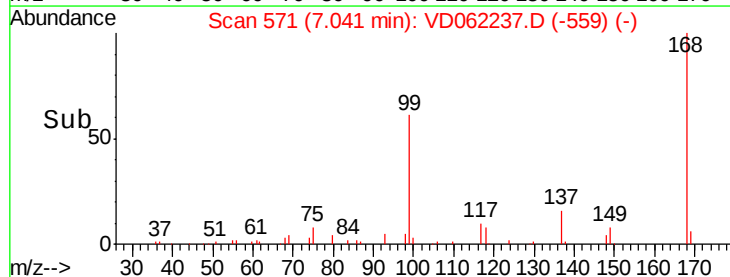
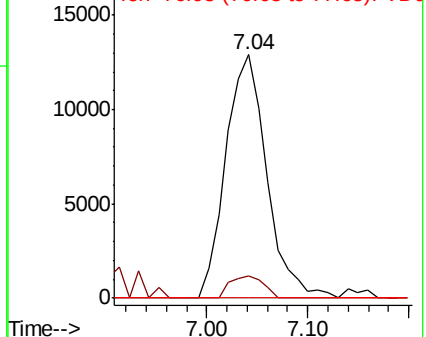
77 0.0 25.6 38.4#

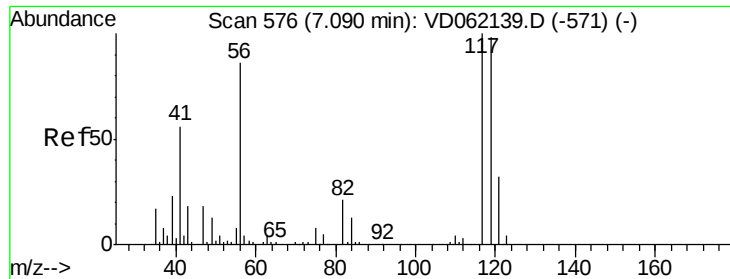


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

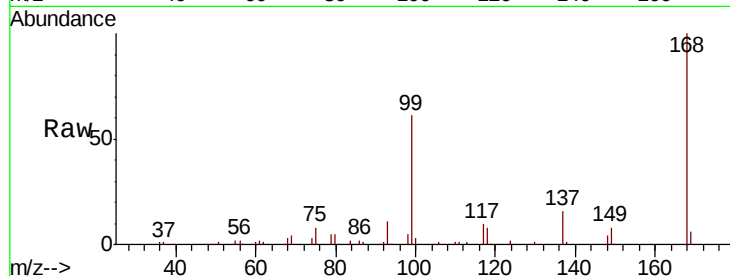




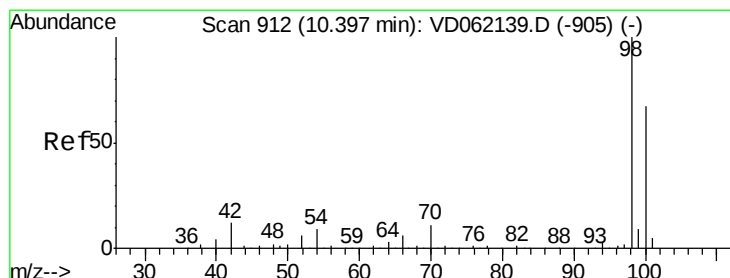
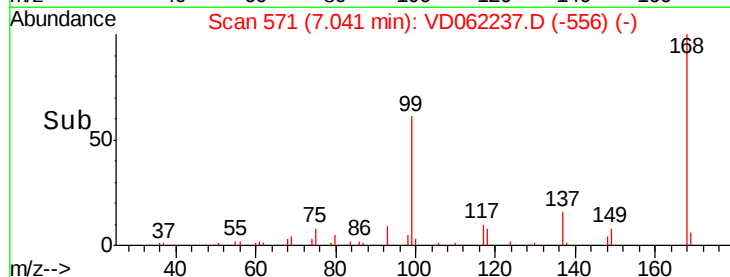
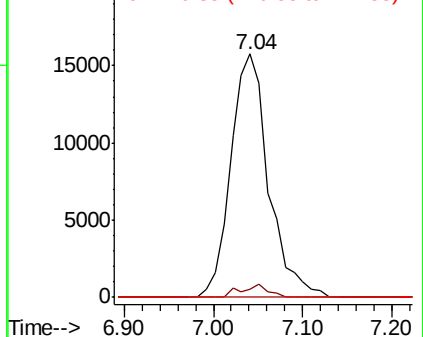
#38
Carbon Tetrachloride
Concen: 7.496 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062237.D
Acq: 11 May 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01

Tot Ion:117 Resp: 46491
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.8#
121 0.0 25.9 38.9#

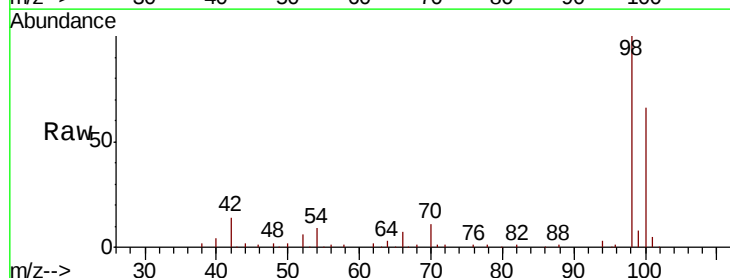


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

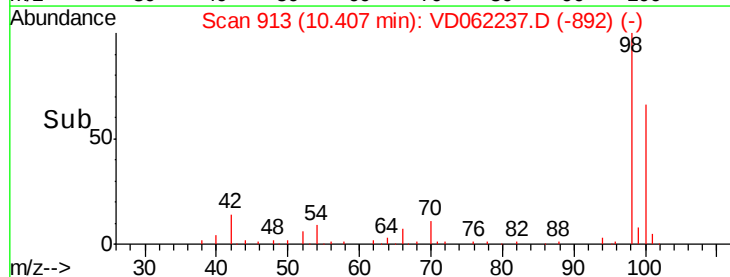
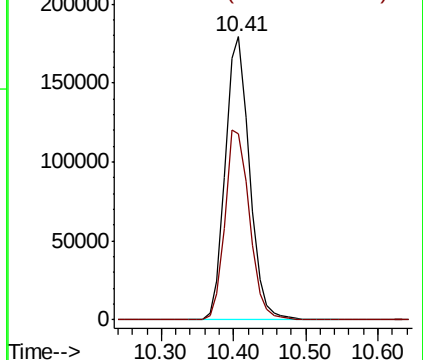


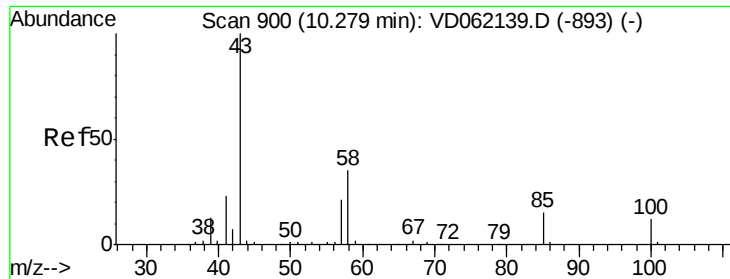
#50
Toluene-d8
Concen: 38.270 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062237.D
Acq: 11 May 2019 15:08

Tgt Ion: 98 Resp: 418424
Ion Ratio Lower Upper
98 100
100 65.8 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.175 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD062237.D

Acq: 11 May 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

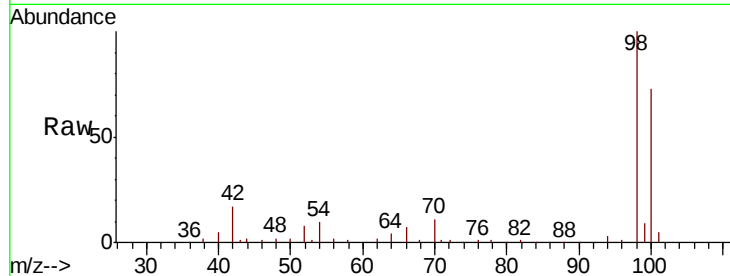
P026-SS006-0002-01

Tot Ion: 43 Resp: 2035

Ion Ratio Lower Upper

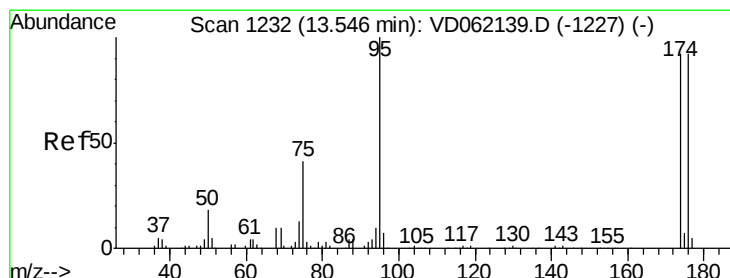
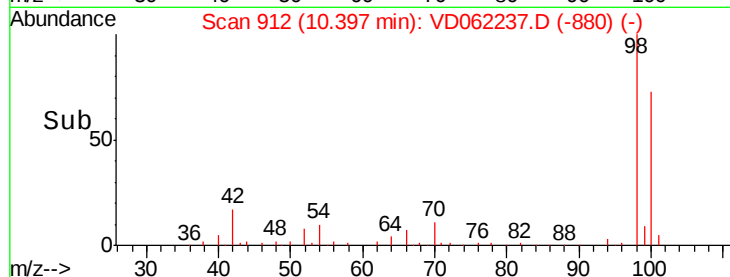
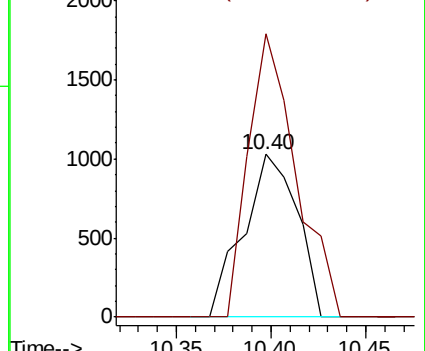
43 100

58 174.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 16.014 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062237.D

Acq: 11 May 2019 15:08

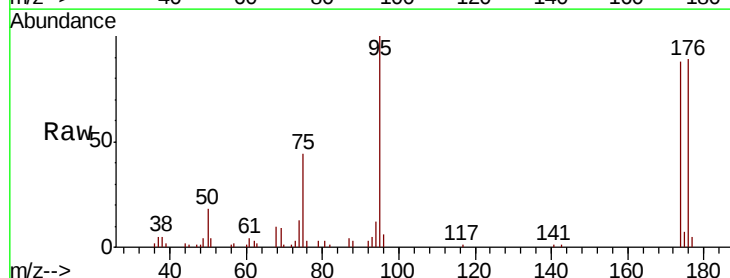
Tgt Ion: 95 Resp: 70308

Ion Ratio Lower Upper

95 100

174 87.9 0.0 181.8

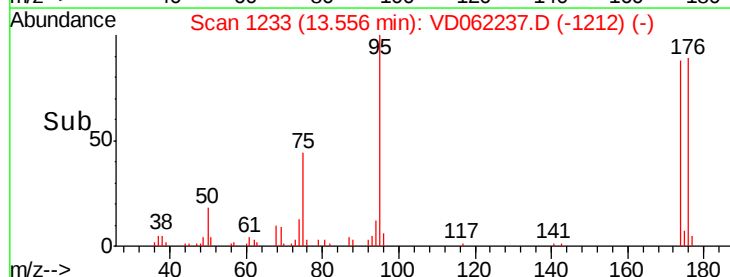
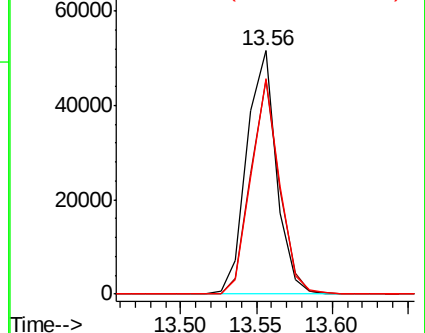
176 88.7 0.0 174.4

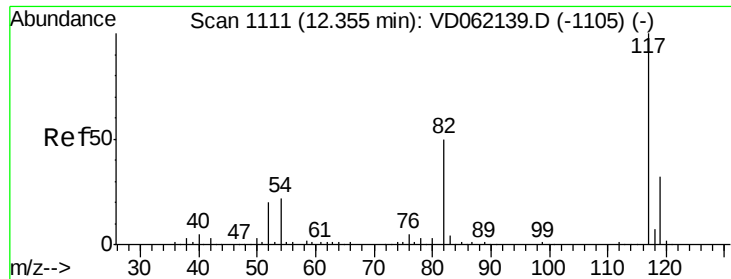


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

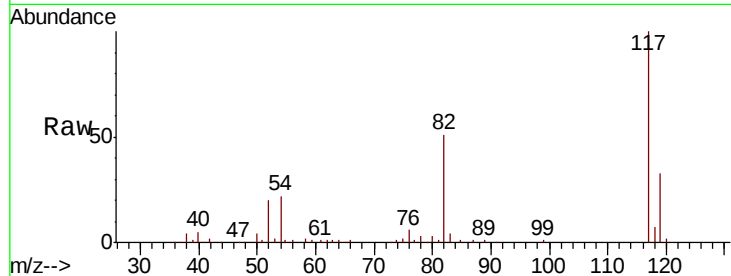




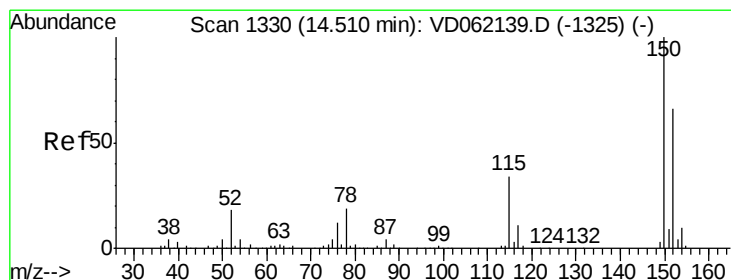
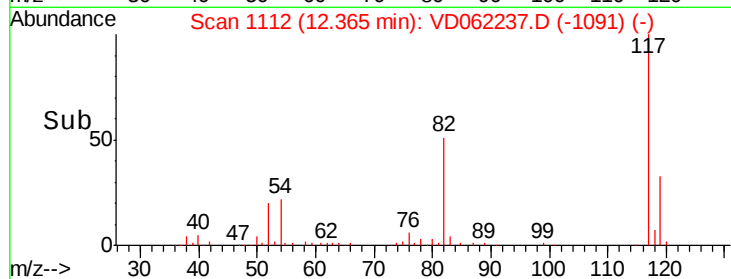
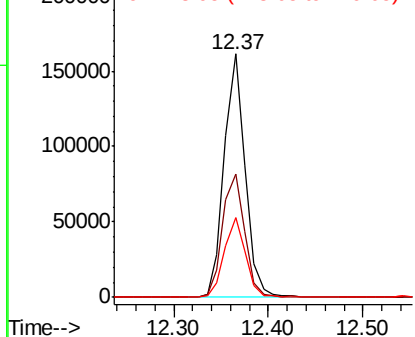
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062237.D
Acq: 11 May 2019 15:08

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01

Tot Ion:117 Resp: 248055
Ion Ratio Lower Upper
117 100
82 50.9 36.2 54.2
119 32.5 26.2 39.4

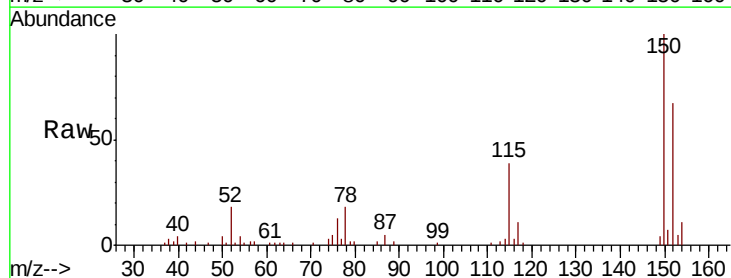


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

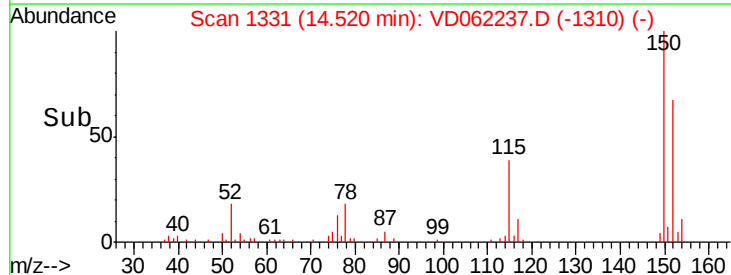
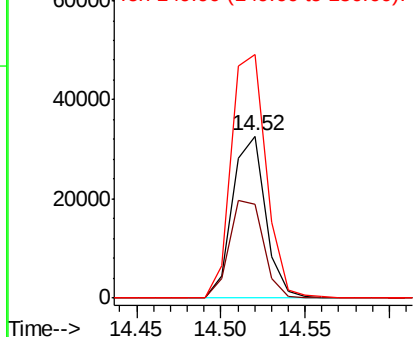


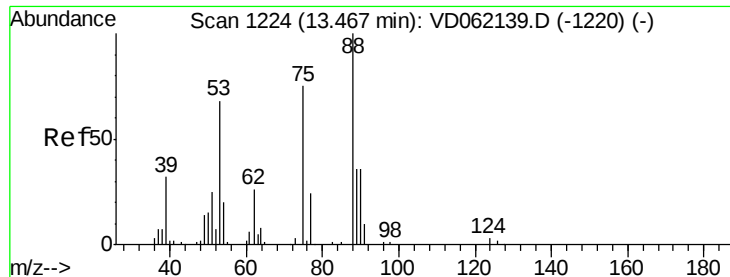
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062237.D
Acq: 11 May 2019 15:08

Tgt Ion:152 Resp: 44634
Ion Ratio Lower Upper
152 100
115 58.1 30.9 92.7
150 150.1 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: 203.712 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062237.D

Acq: 11 May 2019 15:08

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01

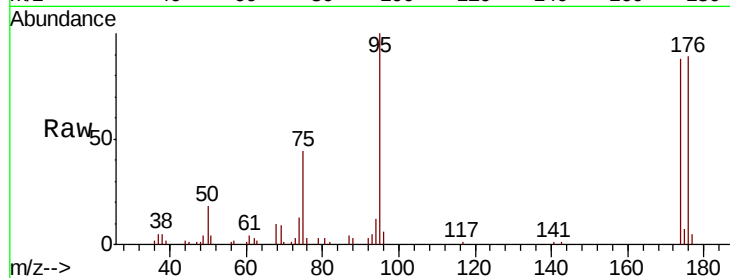
Tot Ion: 75 Resp: 30505

Ion Ratio Lower Upper

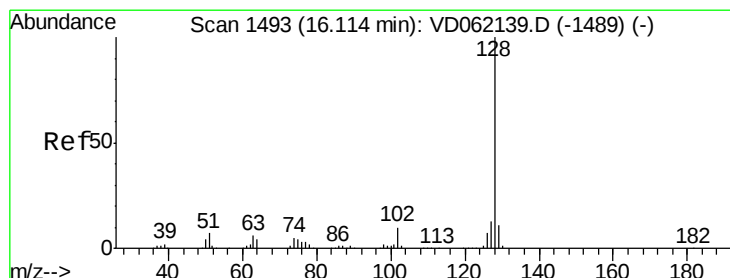
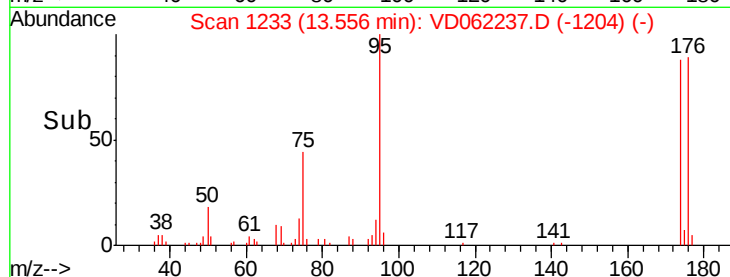
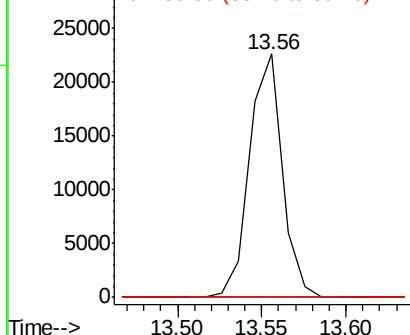
75 100

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: 2.190 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062237.D

Acq: 11 May 2019 15:08

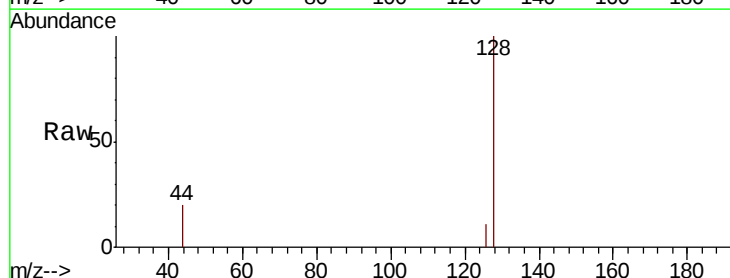
Tgt Ion: 128 Resp: 2508

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

