

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062416.D
 Acq On : 16 May 2019 14:36
 Operator : FY/SY
 Sample : K2822-04
 Misc : 5.11g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-4

Quant Time: May 17 02:29:05 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

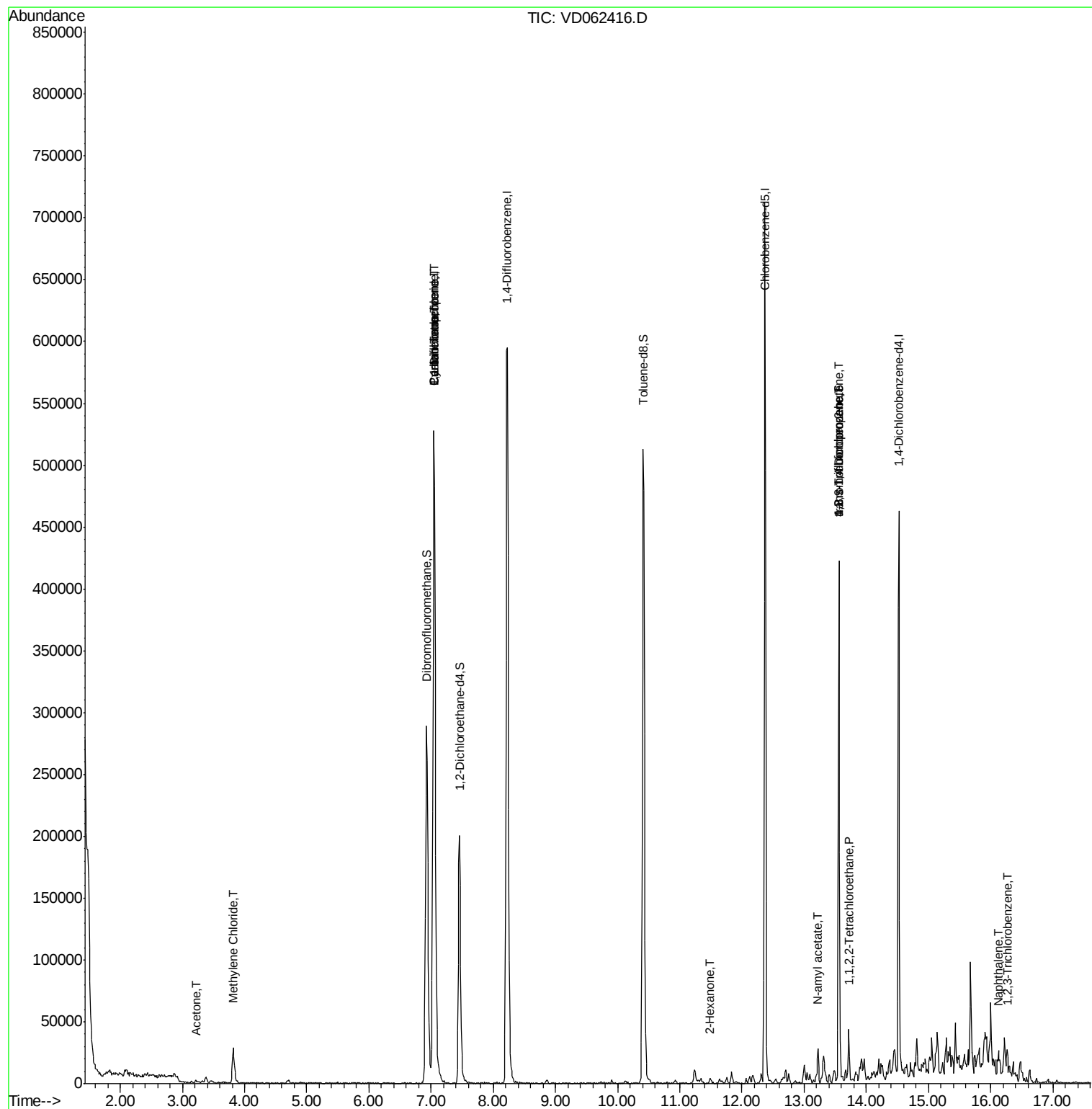
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	487640	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	661979	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	365604	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	101573	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	216378	47.75	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.50%	
35) Dibromofluoromethane	6.93	113	255927	46.60	ug/l	0.03
Spiked Amount 50.000			Recovery	=	93.20%	
50) Toluene-d8	10.41	98	430242	32.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	64.98%	
62) 4-Bromofluorobenzene	13.56	95	113387	21.32	ug/l	0.01
Spiked Amount 50.000			Recovery	=	42.64%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	2782	2.927	ug/l #	83
18) Methyl Acetate	3.64	43	219	Below Cal	#	53
20) Methylene Chloride	3.82	84	16983	4.280	ug/l	96
31) Cyclohexane	7.04	56	10242	2.154	ug/l #	8
36) 1,1-Dichloropropene	7.04	75	37536	6.916	ug/l #	49
38) Carbon Tetrachloride	7.04	117	52296	6.961	ug/l #	16
59) 2-Hexanone	11.49	43	3007	1.944	ug/l #	27
74) N-amyl acetate	13.22	43	4412	2.764	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	13.71	83	1476	1.281	ug/l #	25
76) 1,2,3-Trichloropropane	13.56	75	46760	38.737	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	49344	144.799	ug/l #	16
95) Naphthalene	16.13	128	8730	3.350	ug/l #	92
96) 1,2,3-Trichlorobenzene	16.27	180	1345	1.146	ug/l #	15

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

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MSVOA_D
ClientSampled :
S-4

Quant Time: May 17 02:29:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
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: VD062416.D

Acq: 16 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

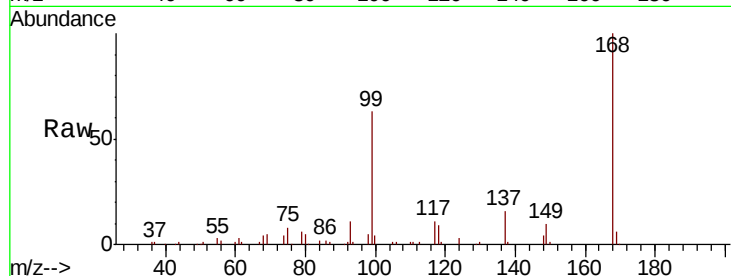
S-4

Tot Ion:168 Resp: 487640

Ion Ratio Lower Upper

168 100

99 62.5 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

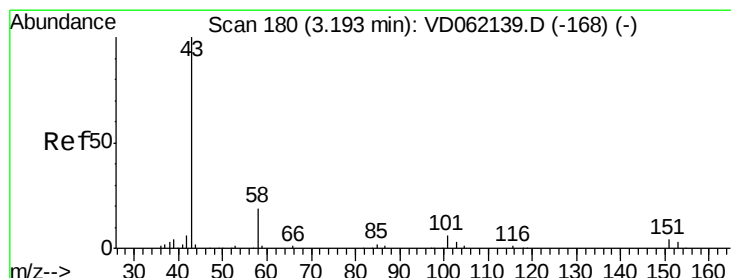
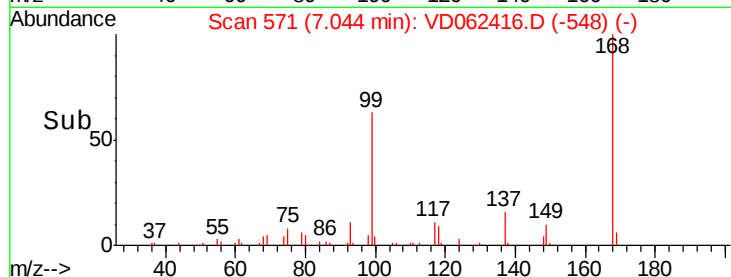
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 2.927 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062416.D

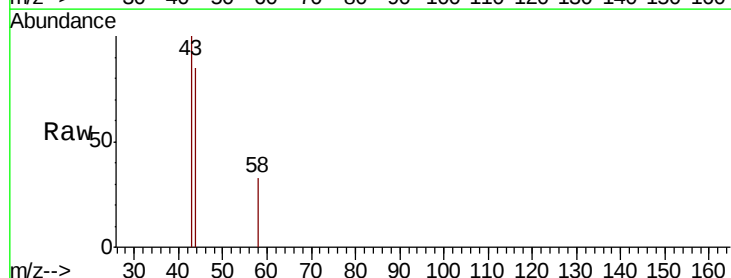
Acq: 16 May 2019 14:36

Tgt Ion: 43 Resp: 2782

Ion Ratio Lower Upper

43 100

58 33.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

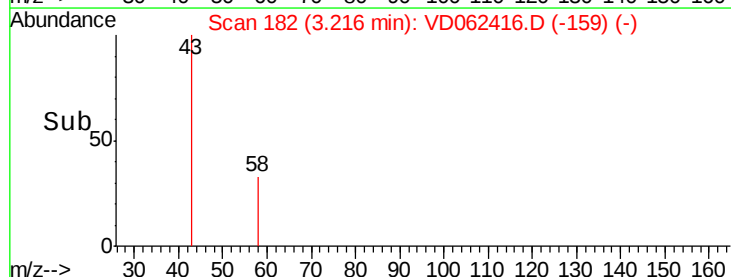
1500

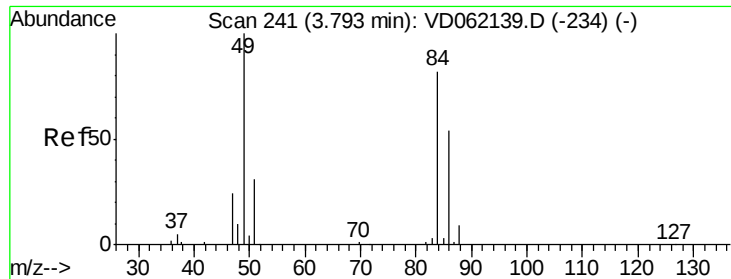
1000

500

0

Time--> 3.15 3.20 3.25 3.30

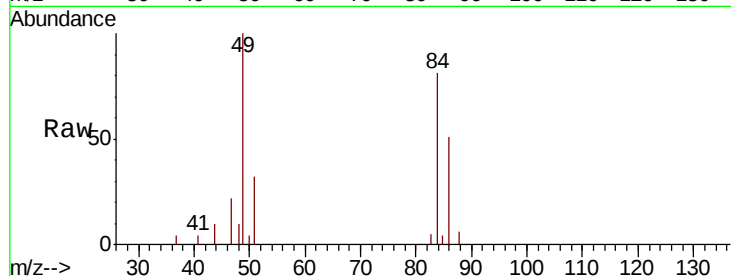




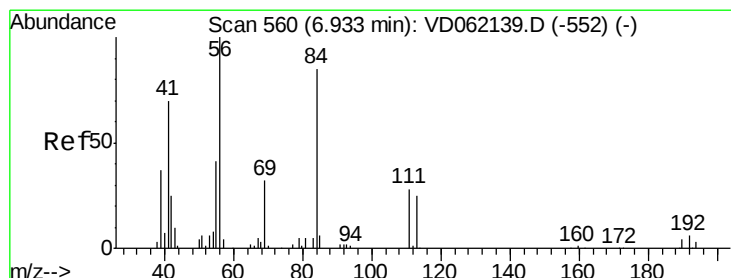
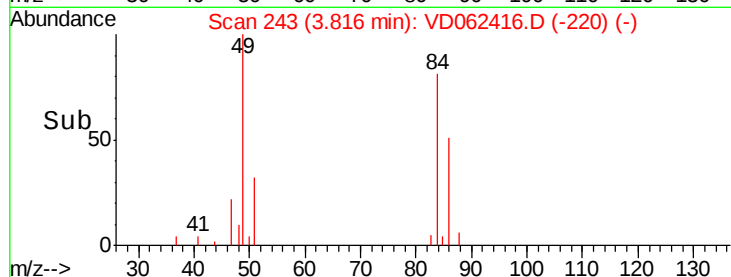
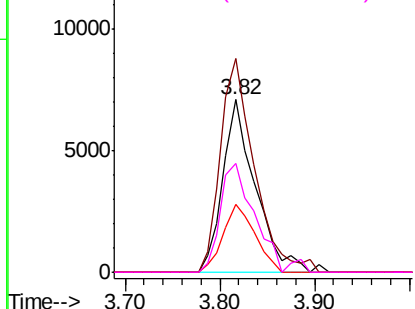
#20
Methylene Chloride
Concen: 4.280 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062416.D
Acq: 16 May 2019 14:36

Instrument :
MSVOA_D
ClientSampled :
S-4

Tot Ion: 84 Resp: 16983
Ion Ratio Lower Upper
84 100
49 124.0 94.0 141.0
51 39.6 29.0 43.4
86 63.0 49.8 74.6

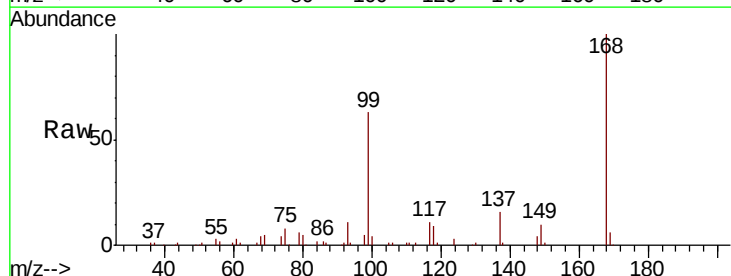


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

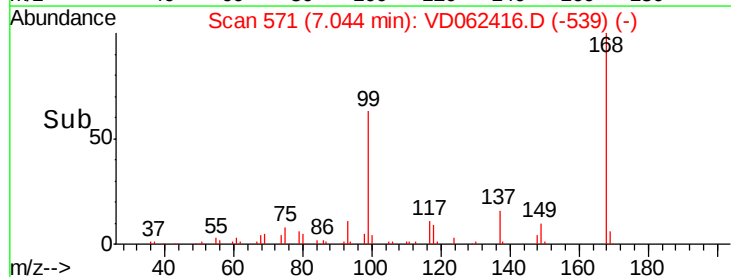
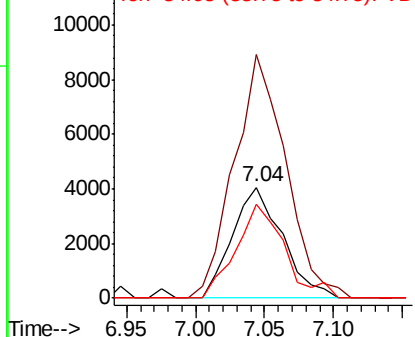


#31
Cyclohexane
Concen: 2.154 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062416.D
Acq: 16 May 2019 14:36

Tgt Ion: 56 Resp: 10242
Ion Ratio Lower Upper
56 100
69 219.7 25.8 38.6#
84 84.8 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

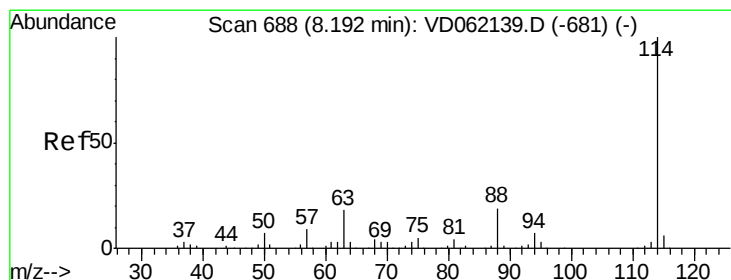
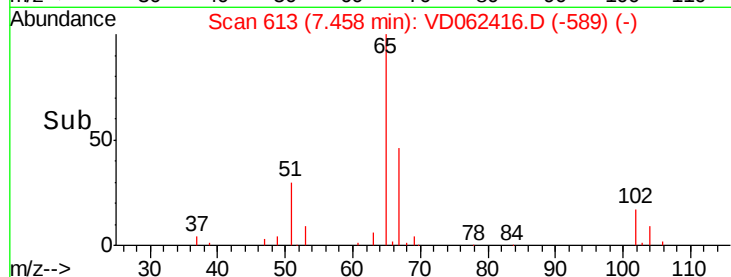
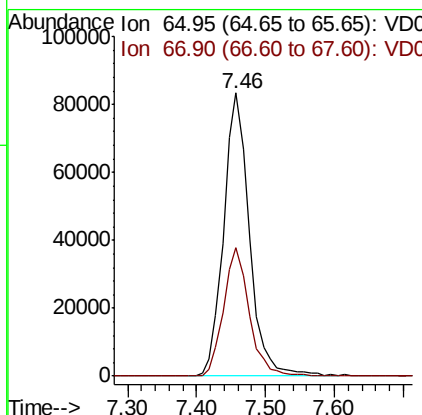
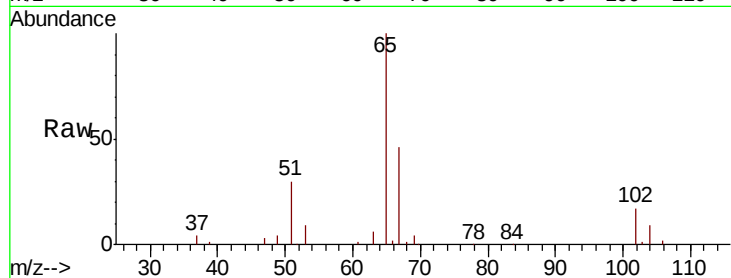




#33
 1,2-Dichloroethane-d4
 Concen: 47.748 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062416.D
 Acq: 16 May 2019 14:36

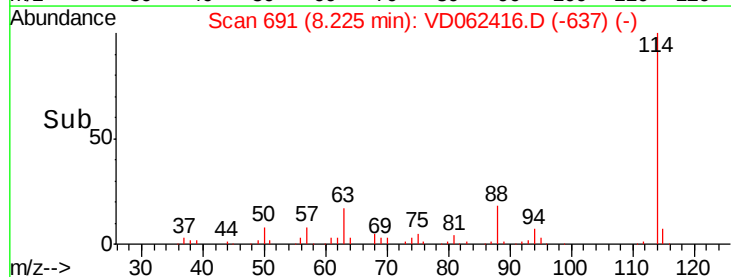
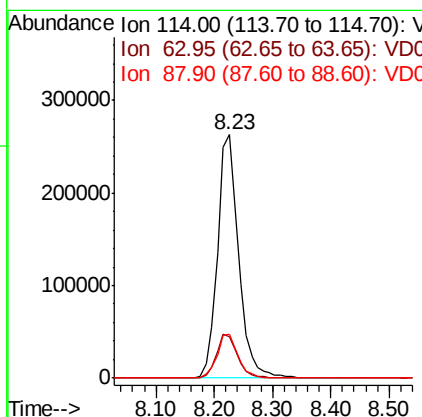
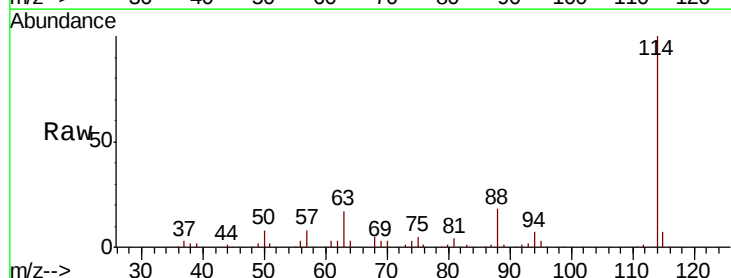
Instrument :
 MSVOA_D
 ClientSampleId :
 S-4

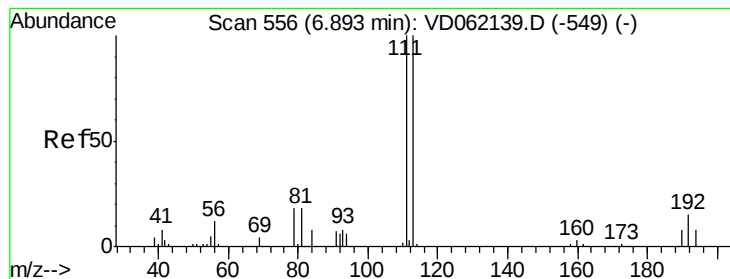
Tot Ion: 65 Resp: 216378
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062416.D
 Acq: 16 May 2019 14:36

Tgt Ion: 114 Resp: 661979
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.4
 88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 46.596 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

S-4

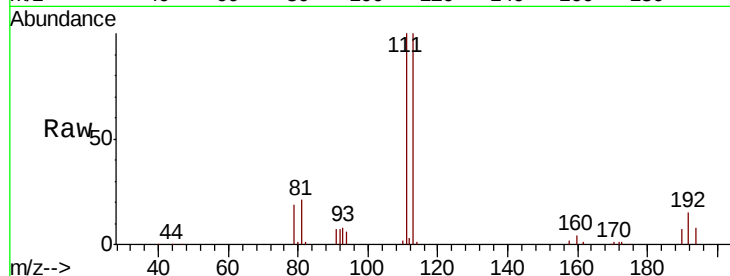
Tot Ion:113 Resp: 255927

Ion Ratio Lower Upper

113 100

111 99.7 78.5 117.7

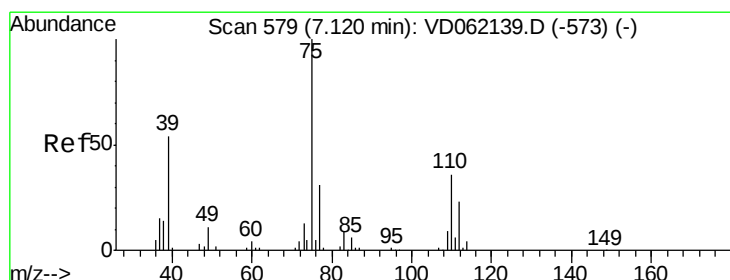
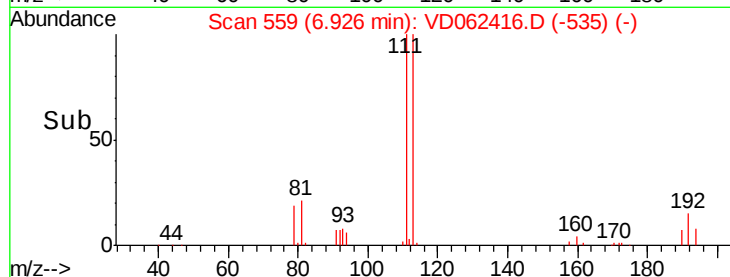
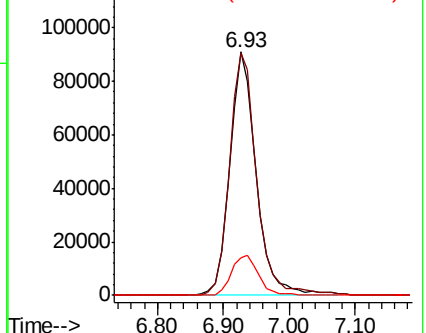
192 15.2 13.0 19.4



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: 6.916 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

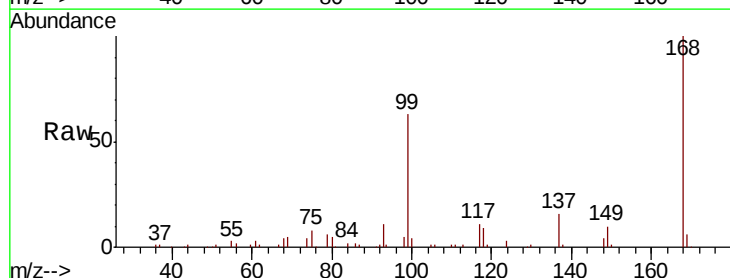
Tgt Ion: 75 Resp: 37536

Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.1#

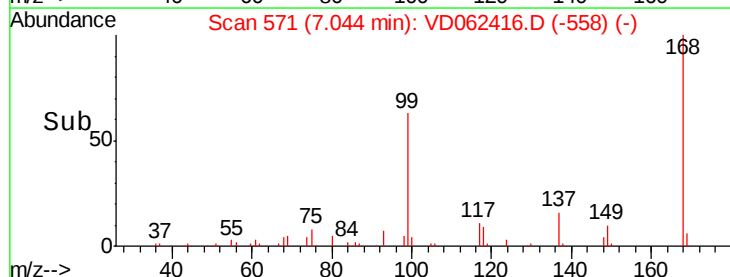
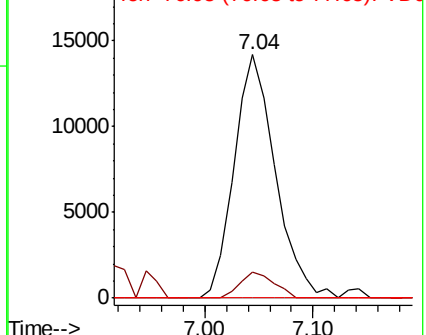
77 0.0 25.6 38.4#

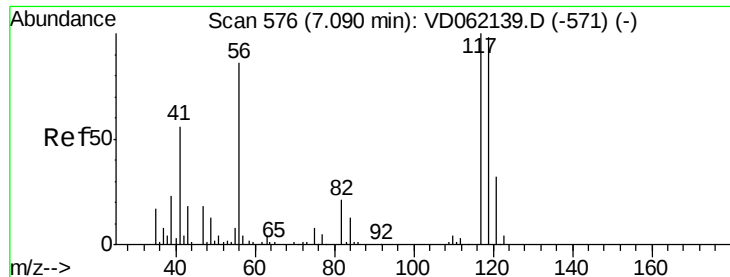


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.961 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

S-4

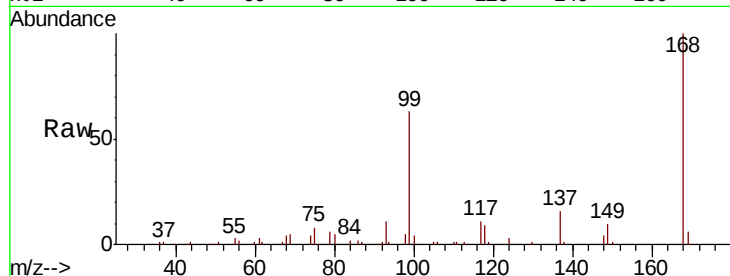
Tot Ion:117 Resp: 52296

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

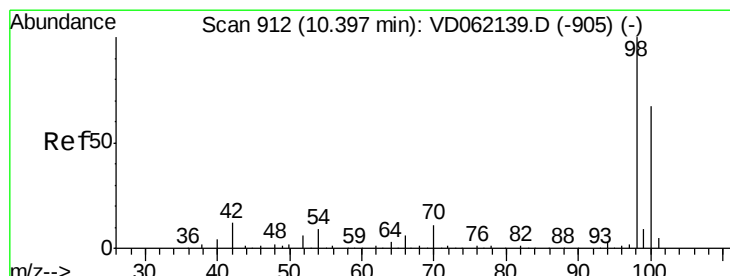
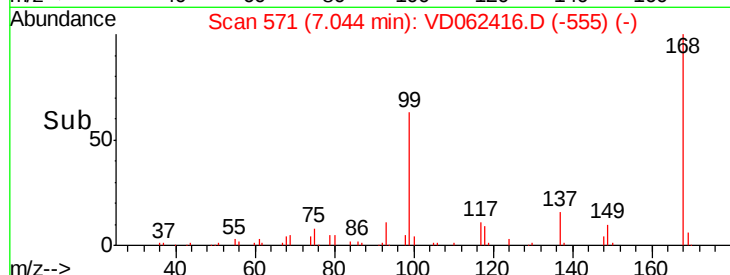
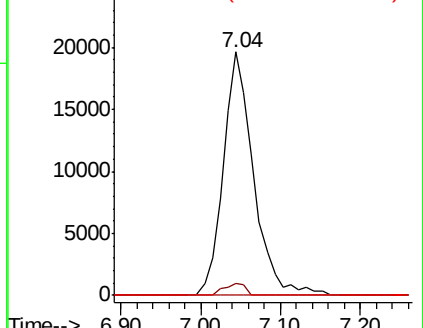
121 0.0 25.9 38.9#



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: 32.489 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062416.D

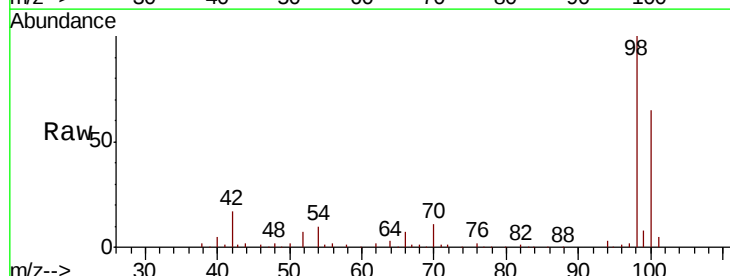
Acq: 16 May 2019 14:36

Tgt Ion: 98 Resp: 430242

Ion Ratio Lower Upper

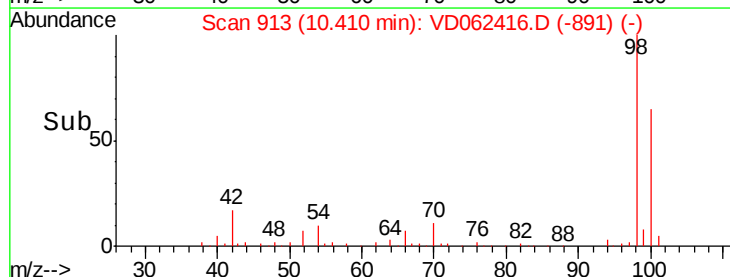
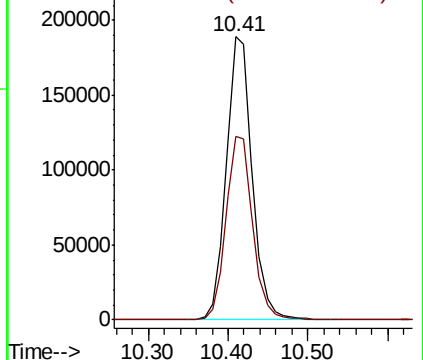
98 100

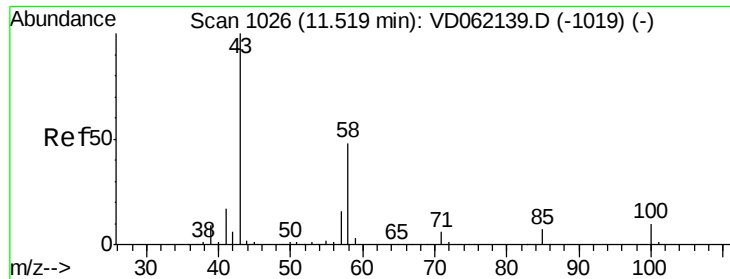
100 64.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

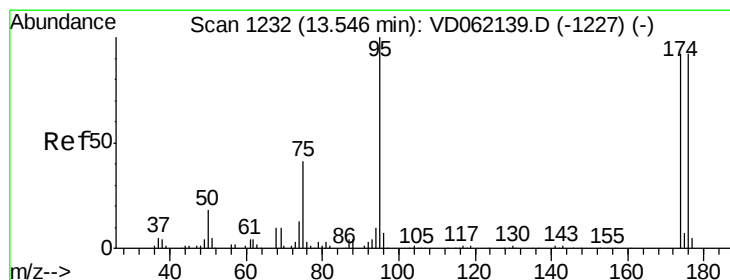
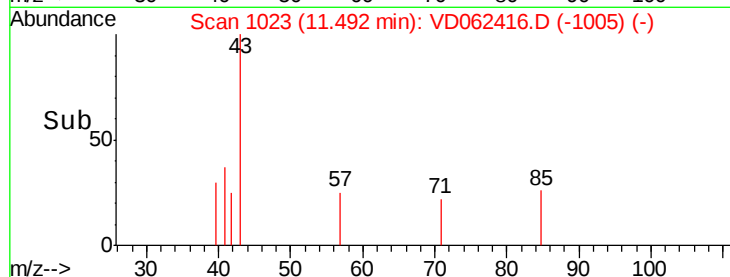
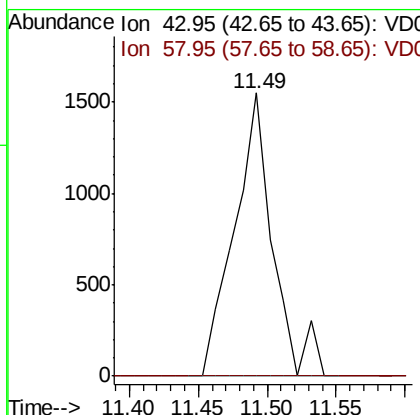
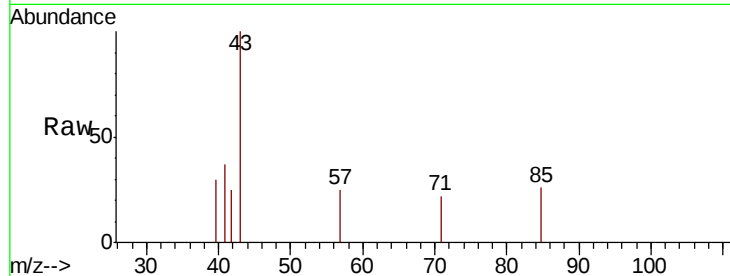




#59
2-Hexanone
Concen: 1.944 ug/l
RT: 11.49 min Scan# 1023
Delta R.T. -0.03 min
Lab File: VD062416.D
Acq: 16 May 2019 14:36

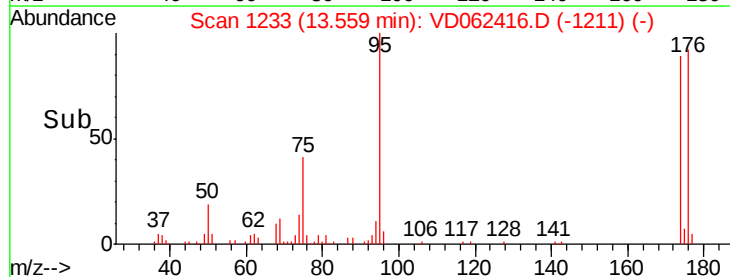
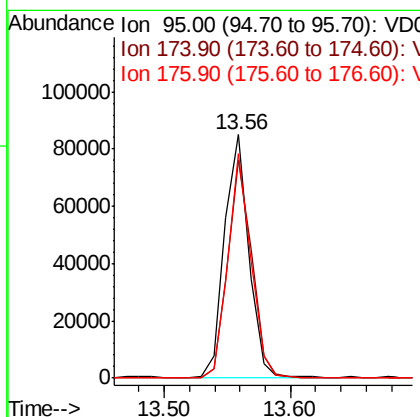
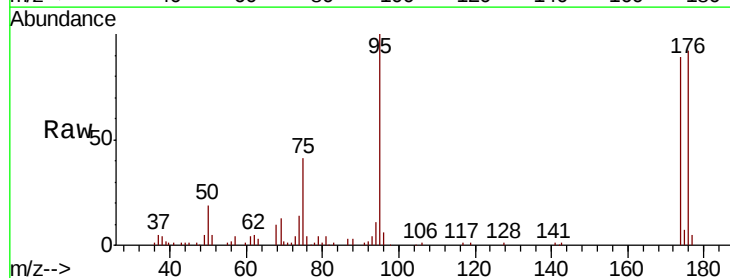
Instrument :
MSVOA_D
ClientSampled :
S-4

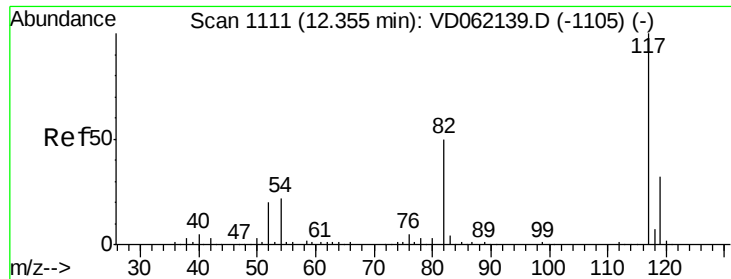
Tot Ion: 43 Resp: 3007
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 21.322 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062416.D
Acq: 16 May 2019 14:36

Tgt Ion: 95 Resp: 113387
Ion Ratio Lower Upper
95 100
174 89.3 0.0 181.8
176 92.2 0.0 174.4

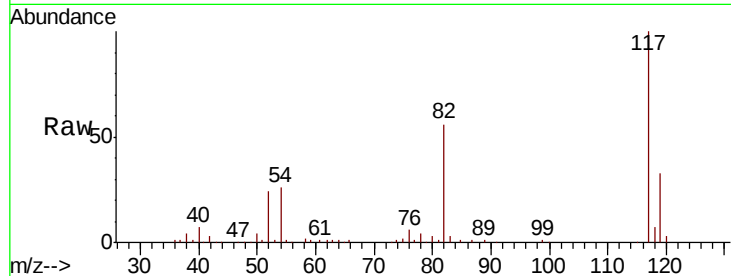




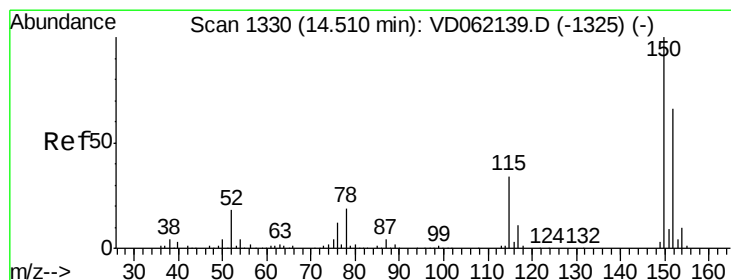
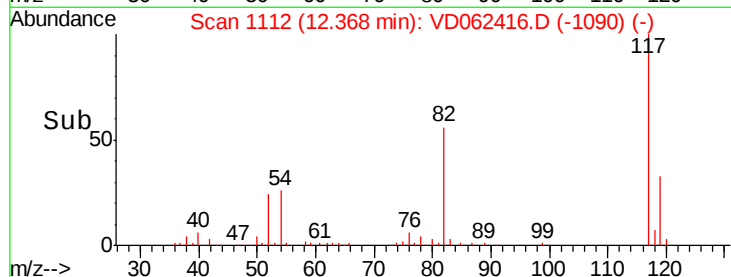
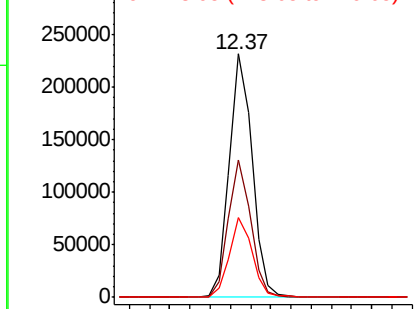
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062416.D
Acq: 16 May 2019 14:36

Instrument :
MSVOA_D
ClientSampled :
S-4

Tot Ion:117 Resp: 365604
Ion Ratio Lower Upper
117 100
82 56.3 36.2 54.2#
119 32.6 26.2 39.4

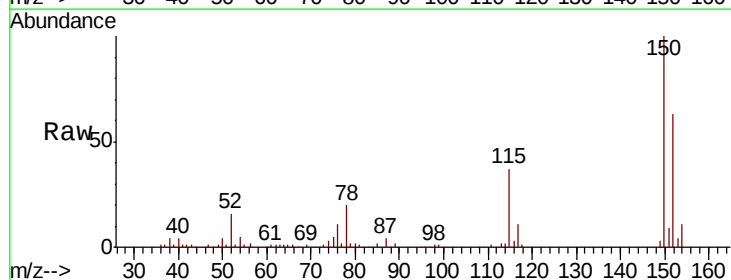


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

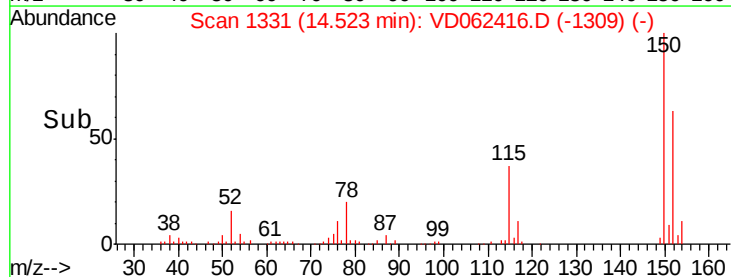
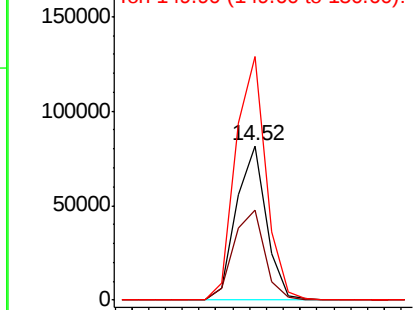


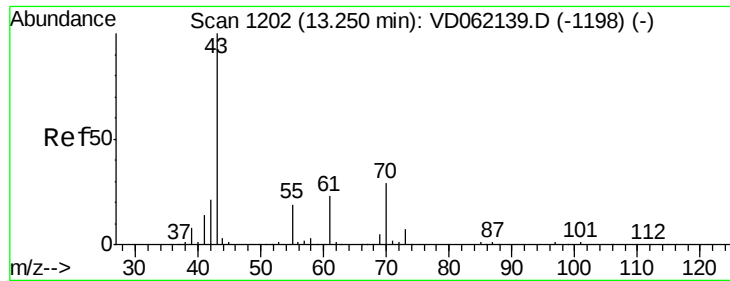
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062416.D
Acq: 16 May 2019 14:36

Tgt Ion:152 Resp: 101573
Ion Ratio Lower Upper
152 100
115 58.1 30.9 92.7
150 158.0 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





#74

N-amvl acetate

Concen: 2.764 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

S-4

Tot Ion: 43 Resp: 4412

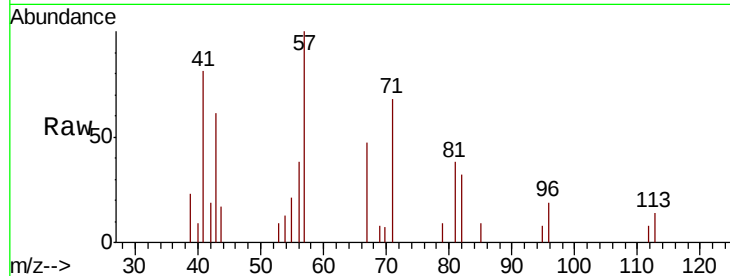
Ion Ratio Lower Upper

43 100

70 12.1 24.2 36.4#

55 35.2 16.0 24.0#

61 0.0 21.6 32.4#

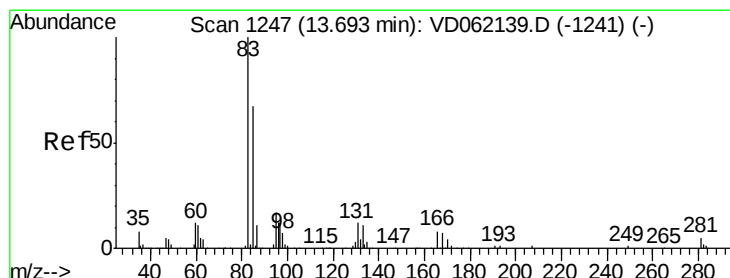
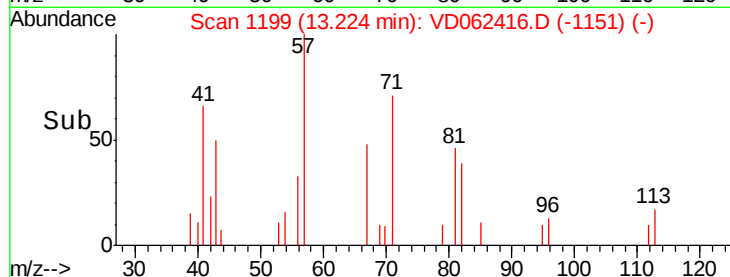
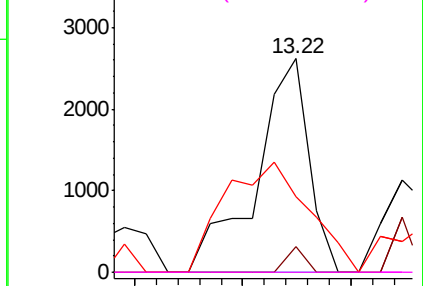


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 1.281 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

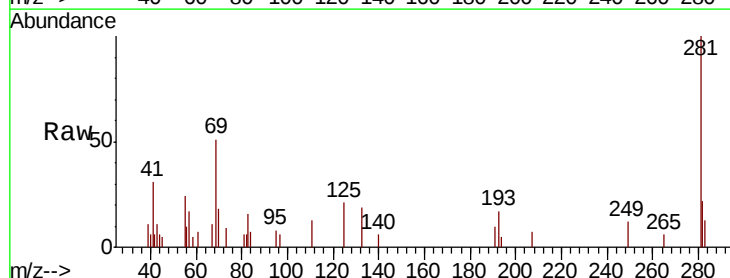
Tgt Ion: 83 Resp: 1476

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

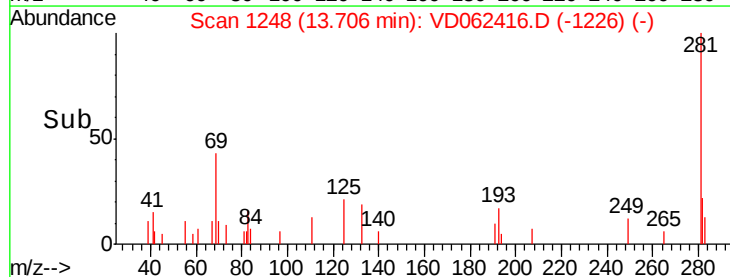
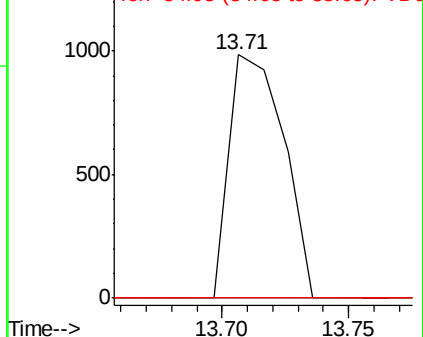
85 0.0 32.6 97.7#

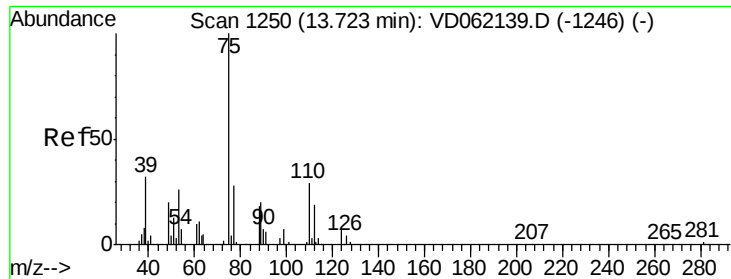


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 38.737 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

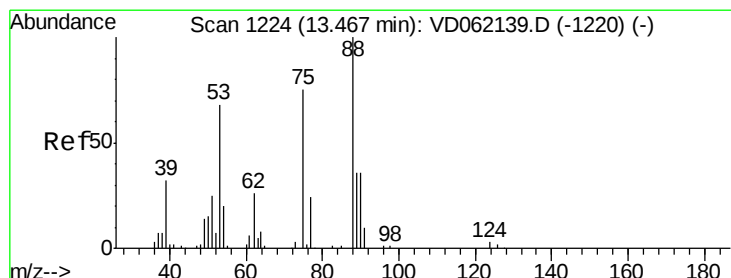
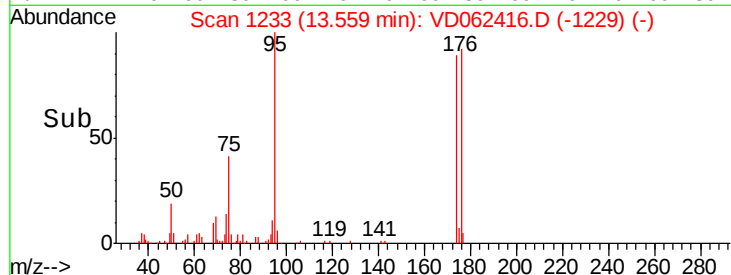
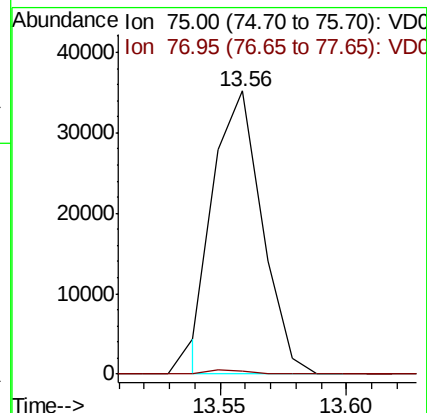
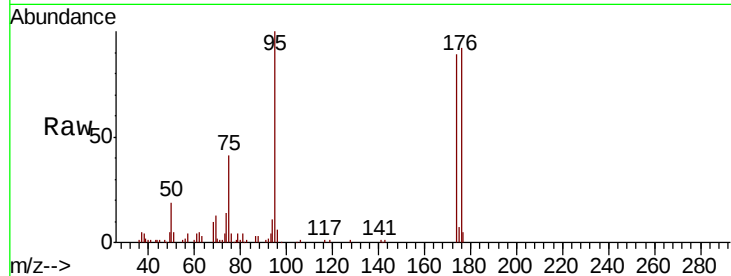
S-4

Tot Ion: 75 Resp: 46760

Ion Ratio Lower Upper

75 100

77 1.1 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.799 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

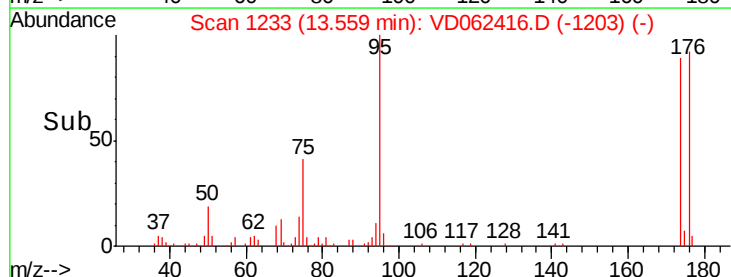
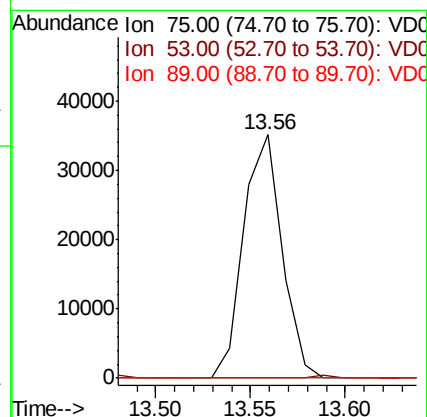
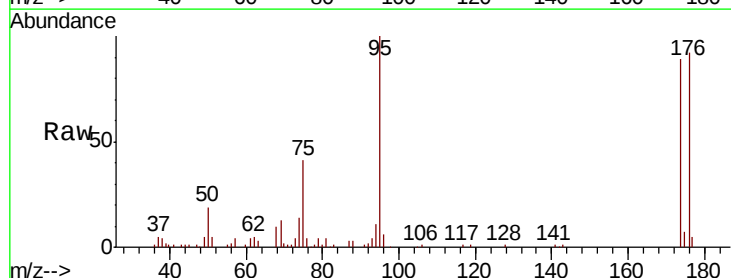
Tgt Ion: 75 Resp: 49344

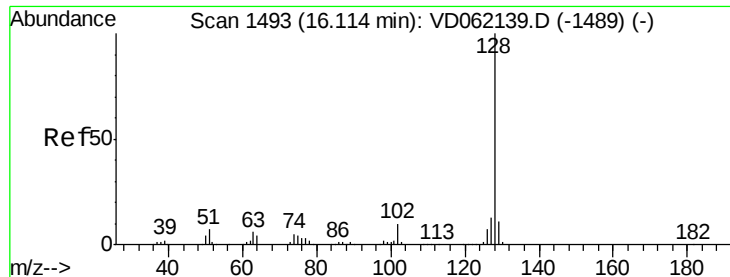
Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#





#95

Naphthalene

Concen: 3.350 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

S-4

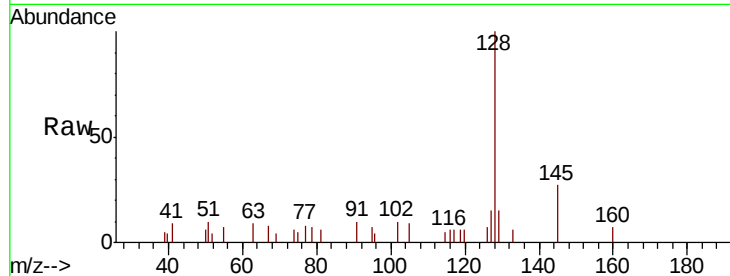
Tot Ion:128 Resp: 8730

Ion Ratio Lower Upper

128 100

127 14.8 9.8 14.8

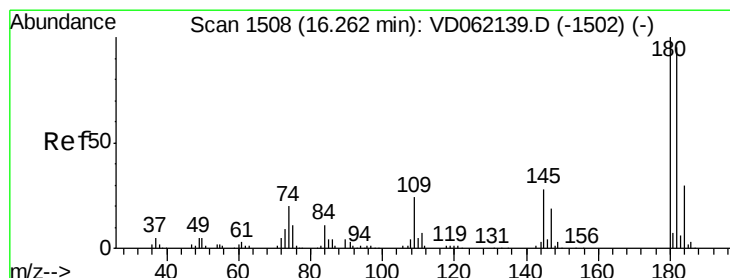
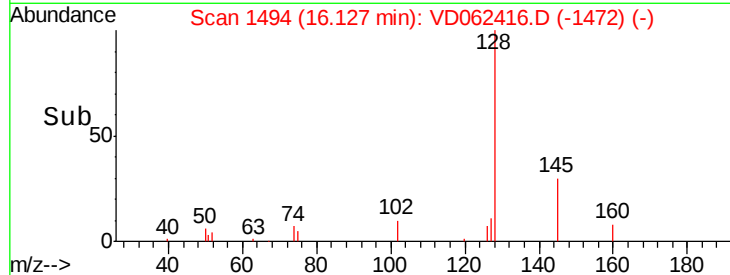
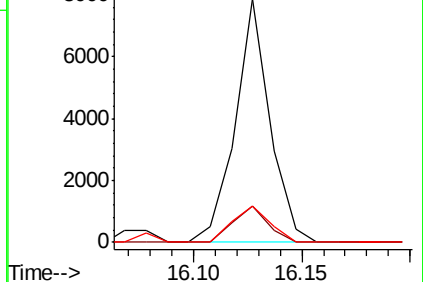
129 15.1 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.146 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062416.D

Acq: 16 May 2019 14:36

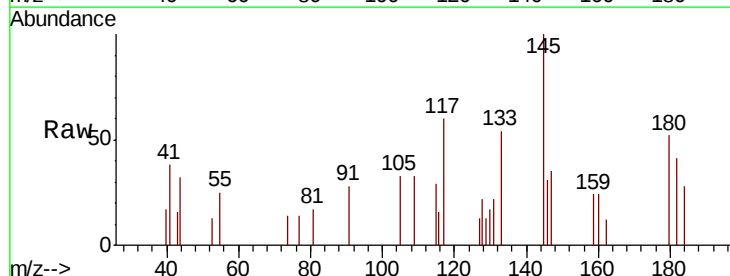
Tgt Ion:180 Resp: 1345

Ion Ratio Lower Upper

180 100

182 77.2 47.0 141.0

145 190.5 17.0 51.0#



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

