

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062214.D
 Acq On : 10 May 2019 14:36
 Operator : FY/SY
 Sample : K2718-05RE
 Misc : 6.06g/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS005-0612-01RE

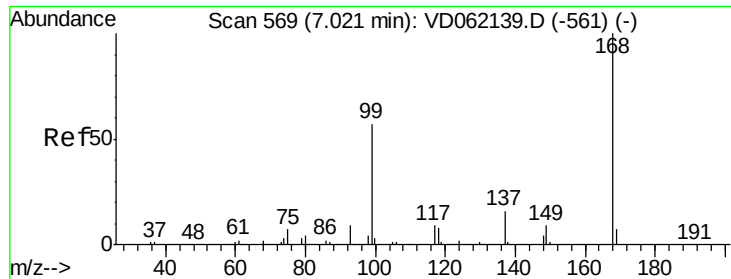
Quant Time: May 10 23:32:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	21385	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	45176	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	45816	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	22390	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	30751	154.73	ug/l	0.02
Spiked Amount			Recovery	=	309.46%	
35) Dibromofluoromethane	6.92	113	26812	71.53	ug/l	0.02
Spiked Amount			Recovery	=	143.06%	
50) Toluene-d8	10.41	98	45411	50.25	ug/l	0.01
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	13.55	95	27003	74.41	ug/l	0.00
Spiked Amount			Recovery	=	148.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	1274	37.434	ug/l #	12
10) Methyl Iodide	3.31	142	1297	4.017	ug/l #	81
16) Acetone	3.22	43	1079	25.890	ug/l #	50
20) Methylene Chloride	3.82	84	2421	13.913	ug/l #	74
36) 1,1-Dichloropropene	7.04	75	1186	3.202	ug/l #	40
38) Carbon Tetrachloride	7.04	117	1878	3.663	ug/l #	12
76) 1,2,3-Trichloropropane	13.55	75	9782	36.762	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	11263	149.938	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.94	180	462	1.123	ug/l #	11
95) Naphthalene	16.13	128	765	1.332	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062214.D

Acq: 10 May 2019 14:36

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MSVOA_D

ClientSampleId :

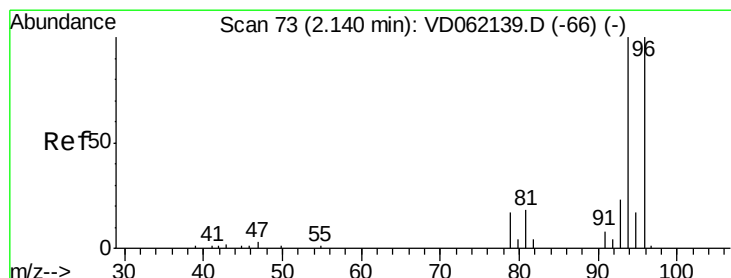
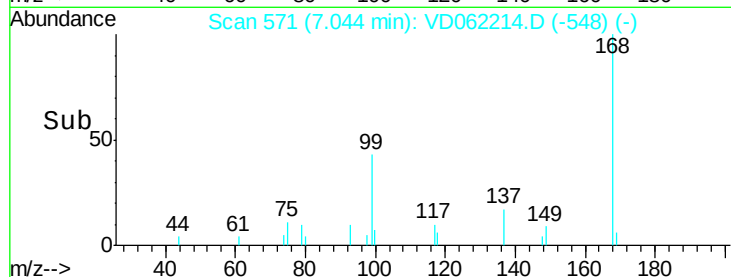
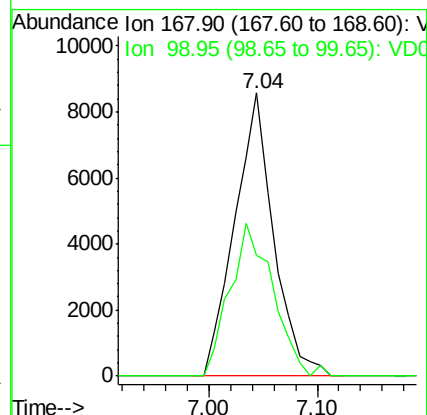
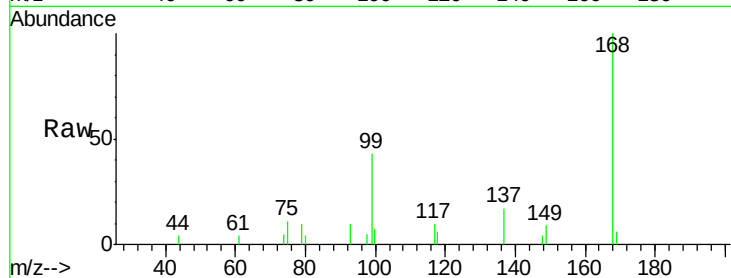
P026-SS005-0612-01RE

Tot Ion:168 Resp: 21385

Ion Ratio Lower Upper

168 100

99 42.7 46.5 69.7#



#5

Bromomethane

Concen: 37.434 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062214.D

Acq: 10 May 2019 14:36

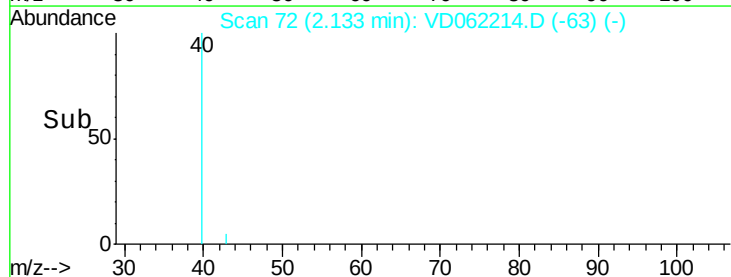
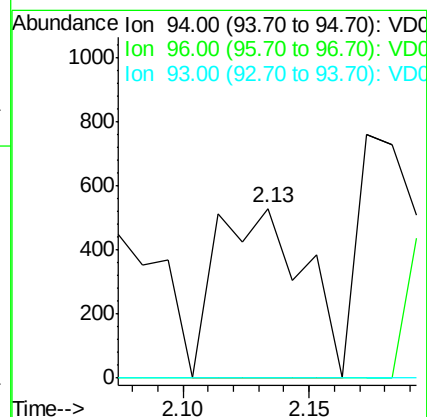
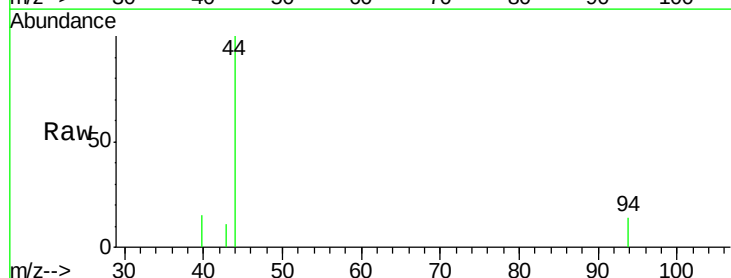
Tgt Ion: 94 Resp: 1274

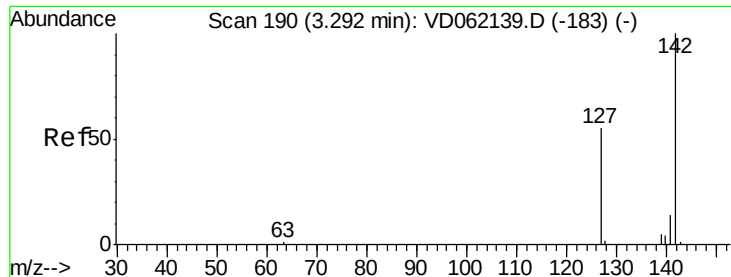
Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#

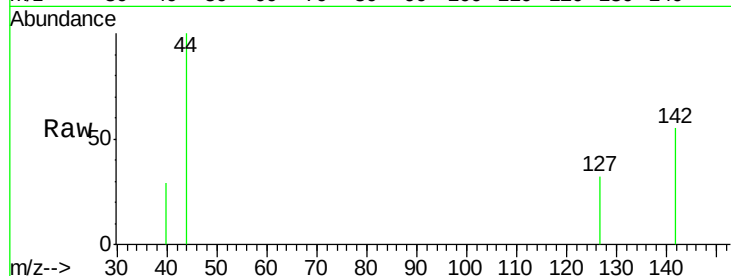




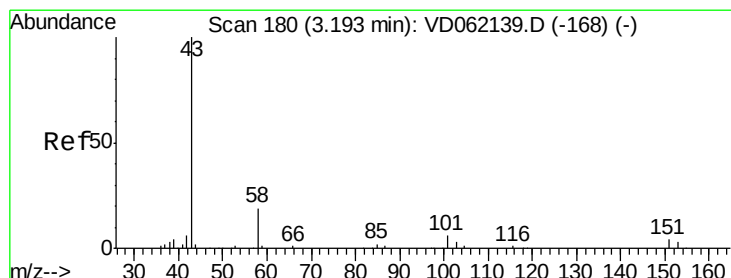
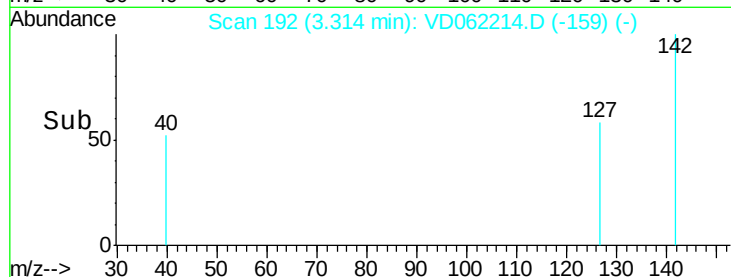
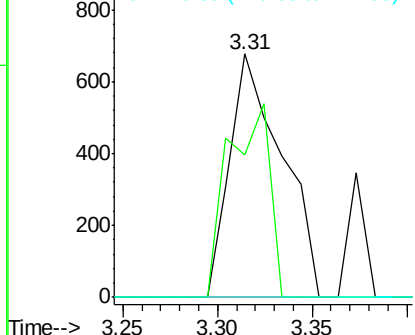
#10
Methvl Iodide
Concen: 4.017 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062214.D
Acq: 10 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS005-0612-01RE

Tot Ion:142 Resp: 1297
Ion Ratio Lower Upper
142 100
127 58.5 38.8 58.2#
141 0.0 11.4 17.0#

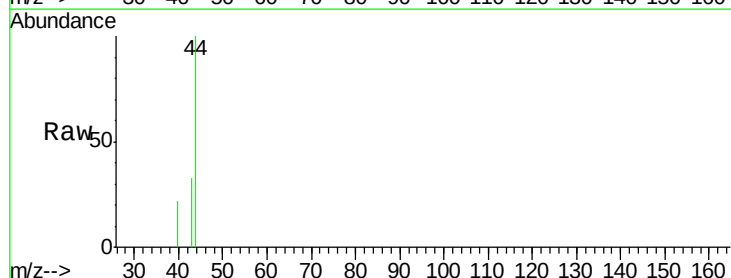


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

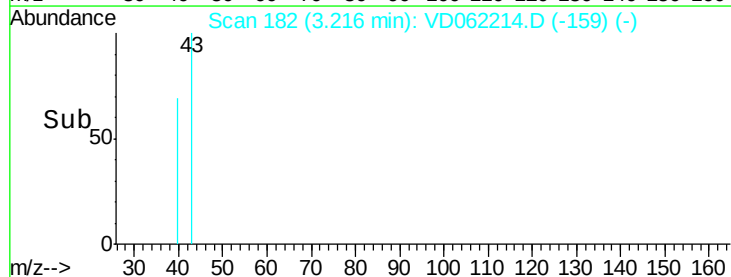
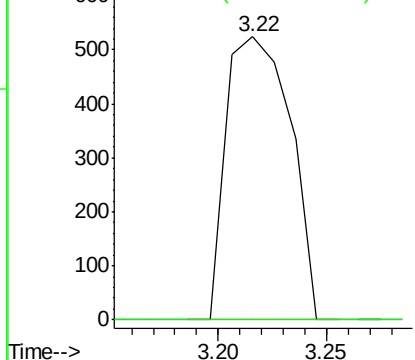


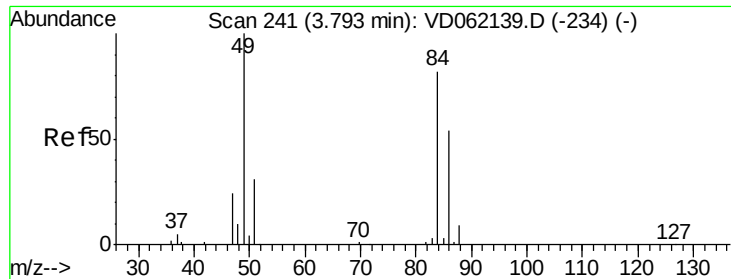
#16
Acetone
Concen: 25.890 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD062214.D
Acq: 10 May 2019 14:36

Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



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

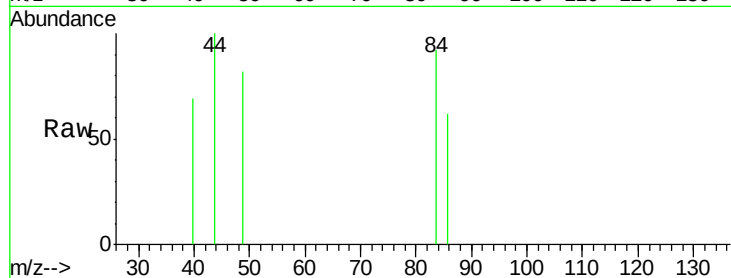




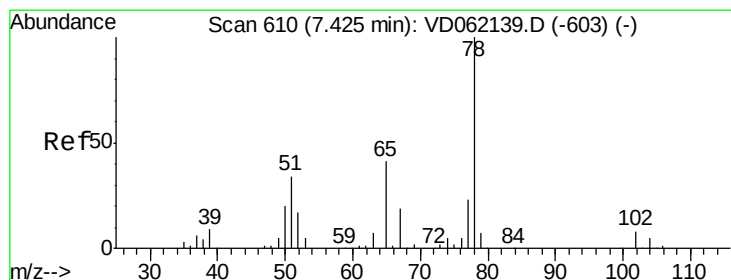
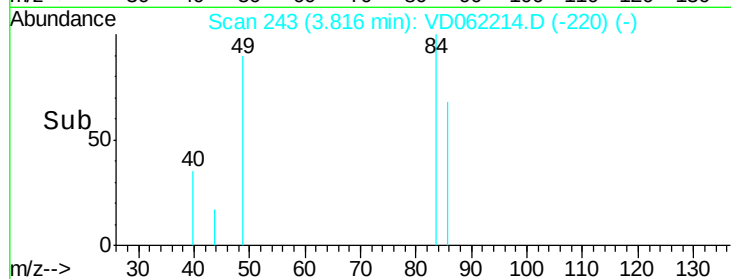
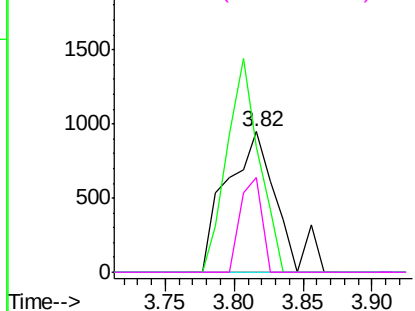
#20
Methylene Chloride
Concen: 13.913 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062214.D
Acq: 10 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS005-0612-01RE

Tot Ion: 84 Resp: 2421
Ion Ratio Lower Upper
84 100
49 89.6 94.0 141.0#
51 0.0 29.0 43.4#
86 67.5 49.8 74.6

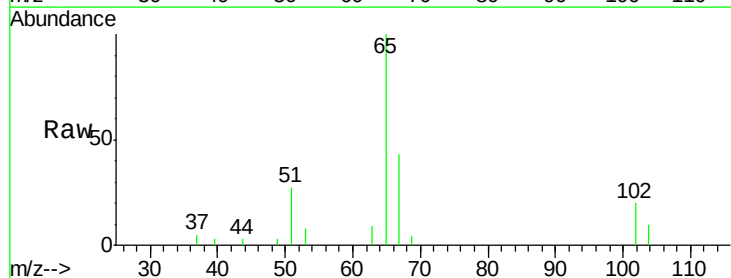


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

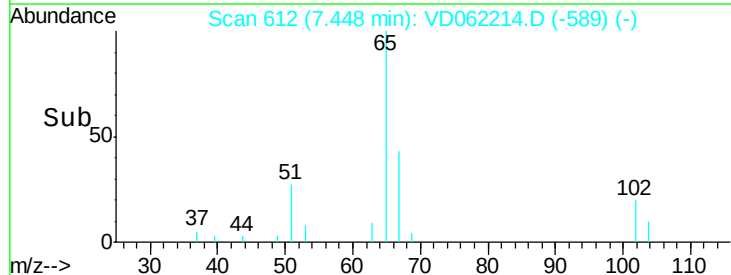
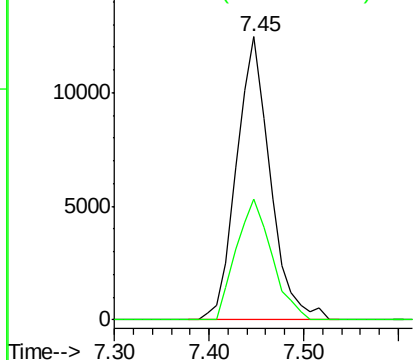


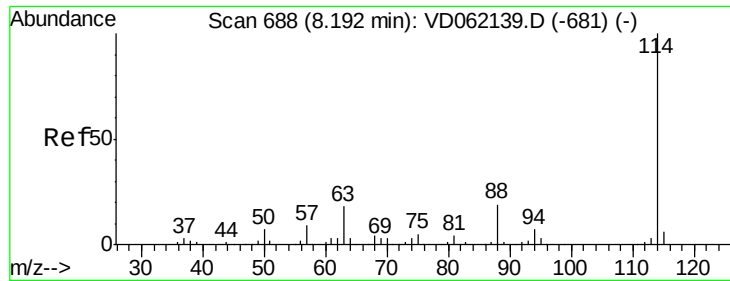
#33
1,2-Dichloroethane-d4
Concen: 154.735 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD062214.D
Acq: 10 May 2019 14:36

Tgt Ion: 65 Resp: 30751
Ion Ratio Lower Upper
65 100
67 42.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

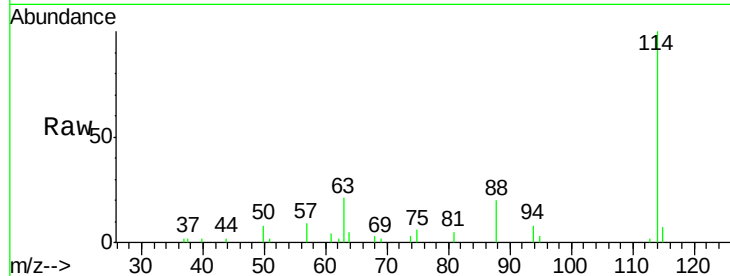




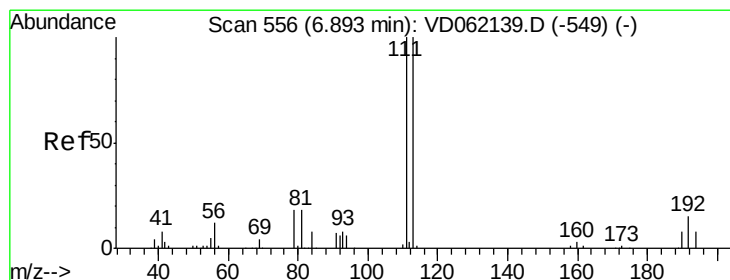
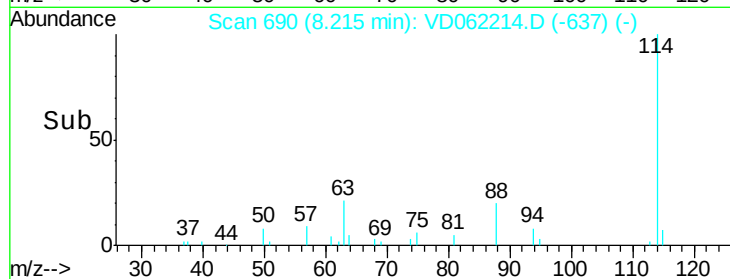
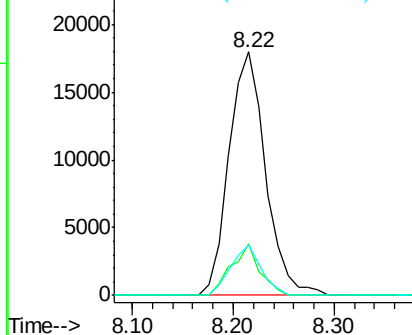
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062214.D
 Acq: 10 May 2019 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS005-0612-01RE

Tot Ion:114 Resp: 45176
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 32.4
 88 20.4 0.0 33.6

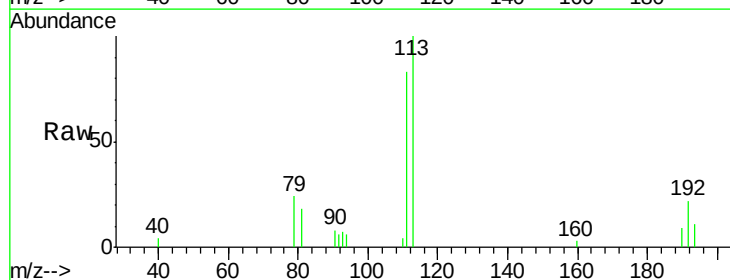


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

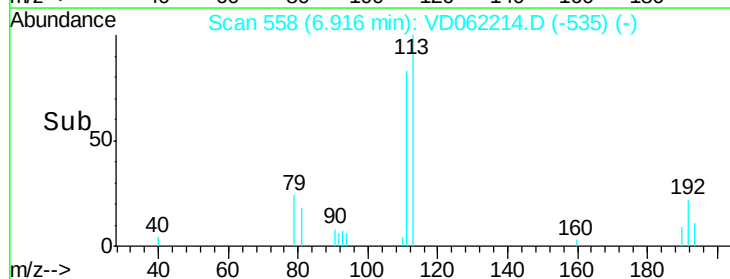
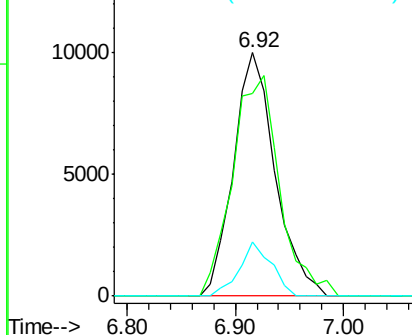


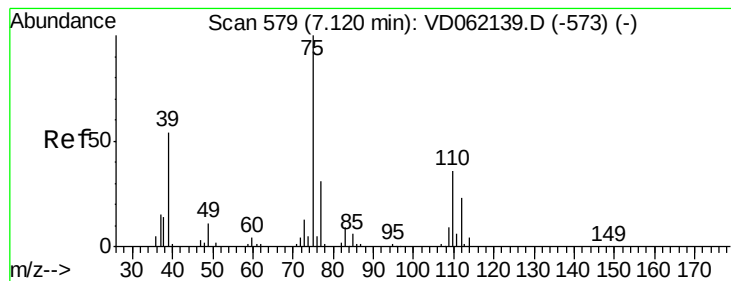
#35
 Dibromofluoromethane
 Concen: 71.531 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD062214.D
 Acq: 10 May 2019 14:36

Tgt Ion:113 Resp: 26812
 Ion Ratio Lower Upper
 113 100
 111 83.3 78.5 117.7
 192 22.0 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: 3.202 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062214.D

Acq: 10 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS005-0612-01RE

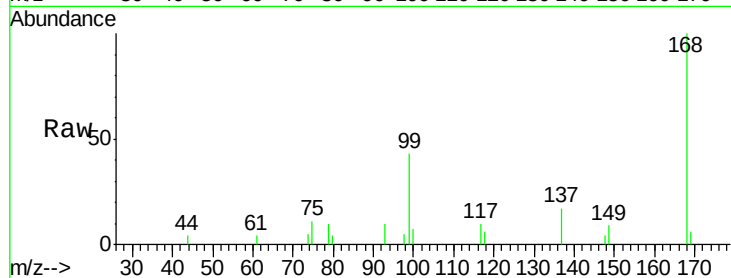
Tot Ion: 75 Resp: 1186

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

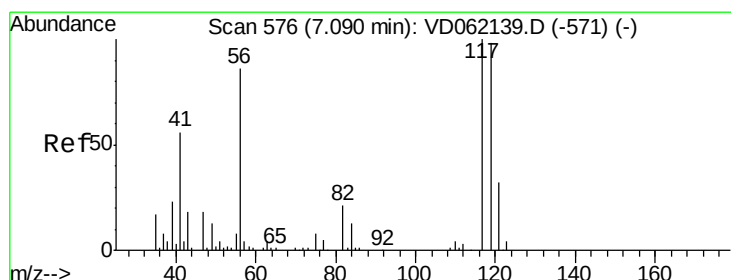
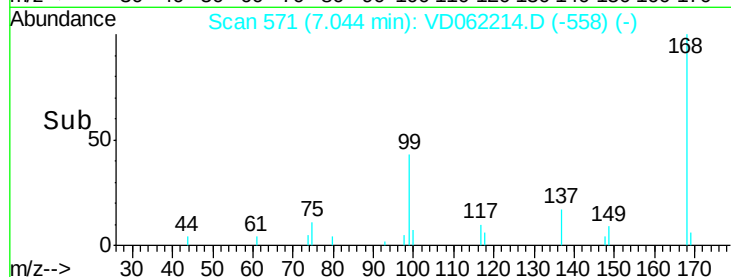
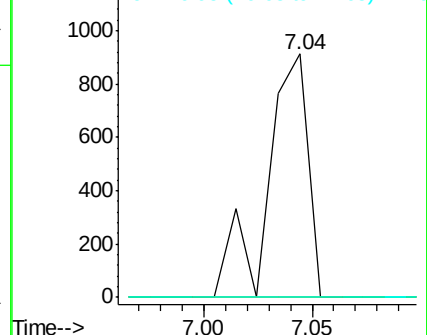
77 0.0 25.6 38.4#



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



#38

Carbon Tetrachloride

Concen: 3.663 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD062214.D

Acq: 10 May 2019 14:36

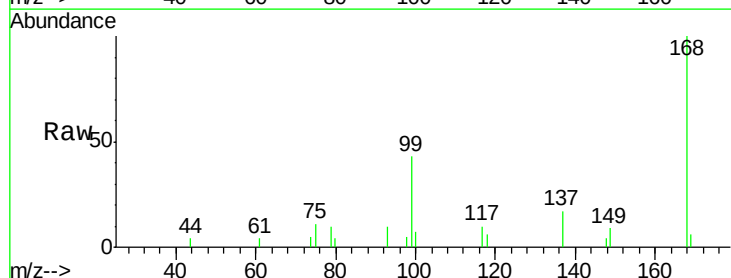
Tgt Ion: 117 Resp: 1878

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

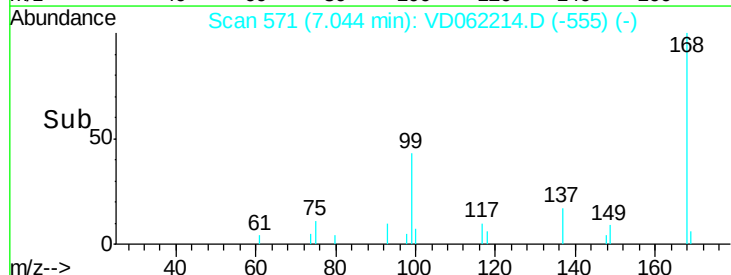
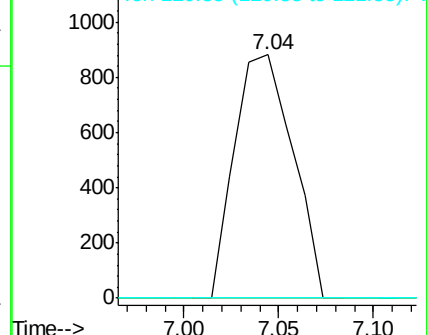
121 0.0 25.9 38.9#

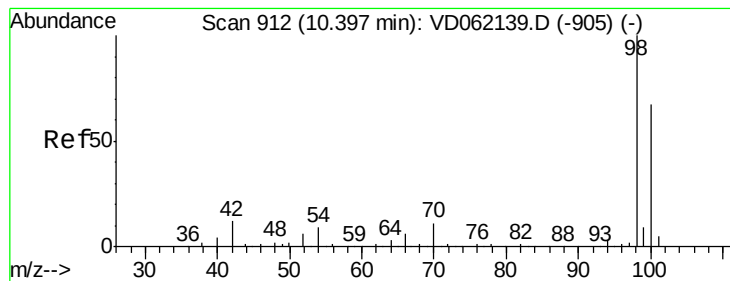


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 50.248 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062214.D

Acq: 10 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

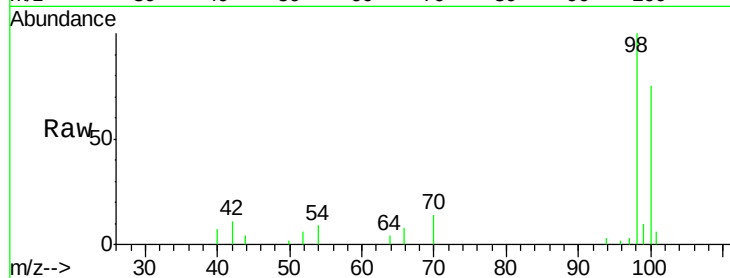
P026-SS005-0612-01RE

Tot Ion: 98 Resp: 45411

Ion Ratio Lower Upper

98 100

100 75.3 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

20000

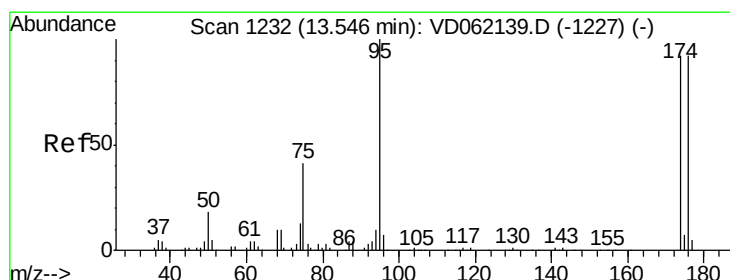
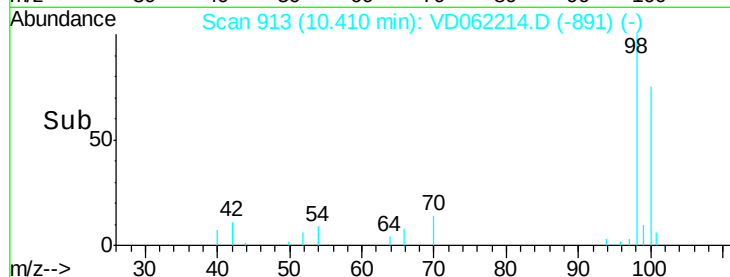
15000

10000

5000

0

Time--> 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 74.407 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062214.D

Acq: 10 May 2019 14:36

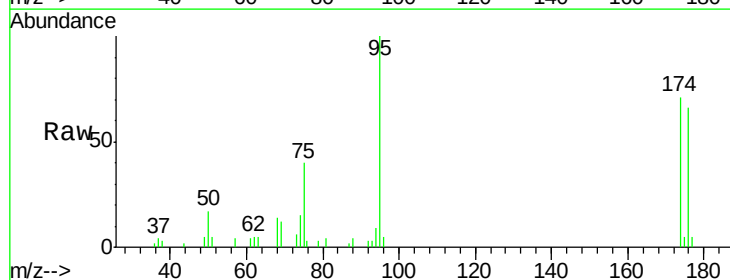
Tgt Ion: 95 Resp: 27003

Ion Ratio Lower Upper

95 100

174 70.9 0.0 181.8

176 66.3 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

13.55

25000

20000

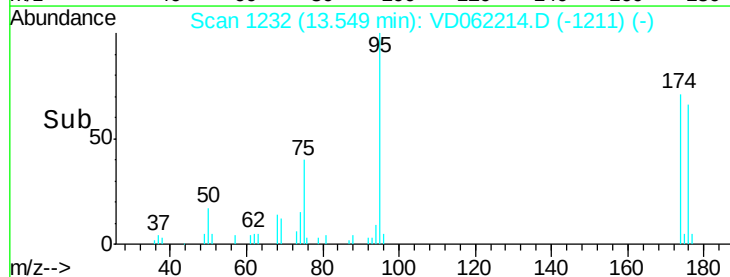
15000

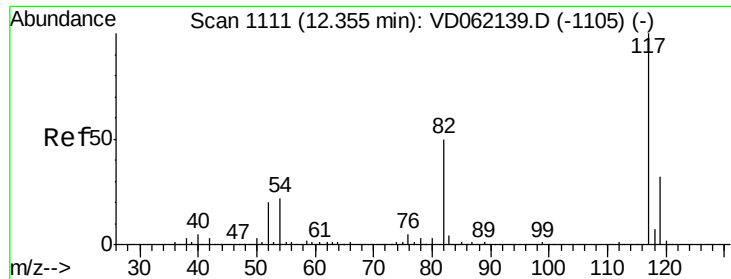
10000

5000

0

Time--> 13.50 13.55 13.60

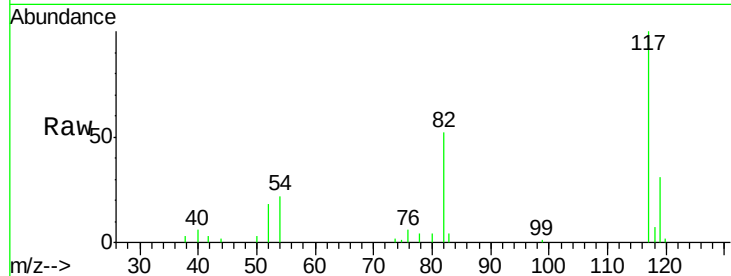




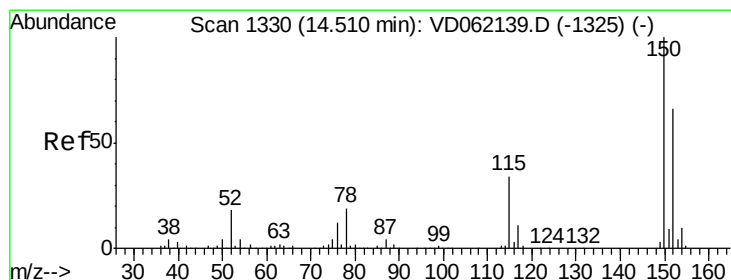
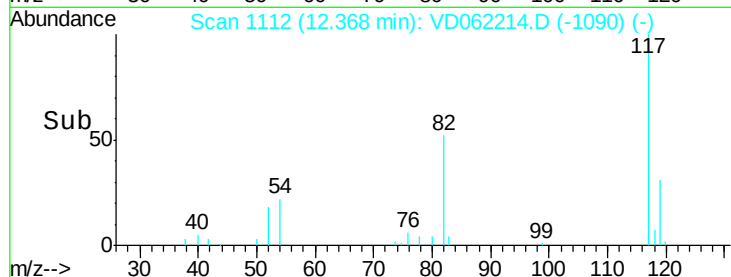
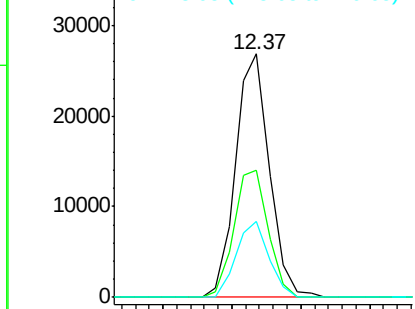
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062214.D
Acq: 10 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS005-0612-01RE

Tot Ion:117 Resp: 45816
Ion Ratio Lower Upper
117 100
82 52.0 36.2 54.2
119 31.1 26.2 39.4

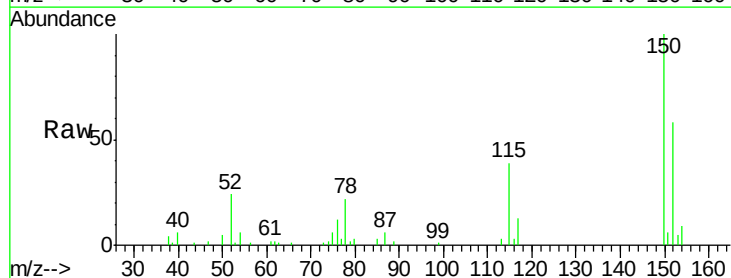


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

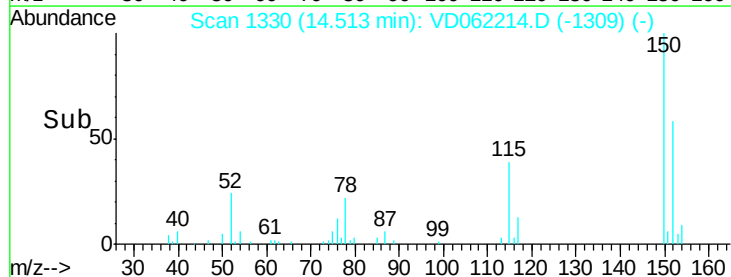
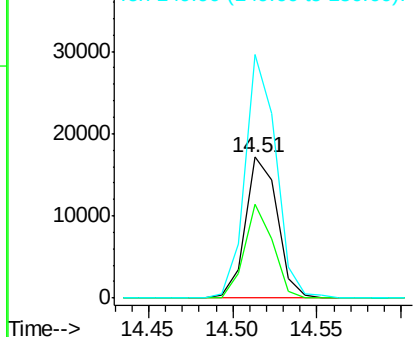


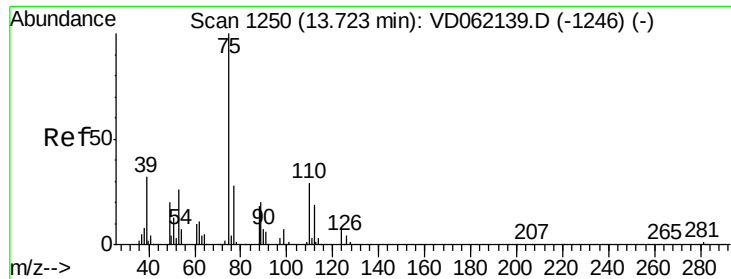
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062214.D
Acq: 10 May 2019 14:36

Tgt Ion:152 Resp: 22390
Ion Ratio Lower Upper
152 100
115 66.7 30.9 92.7
150 172.7 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

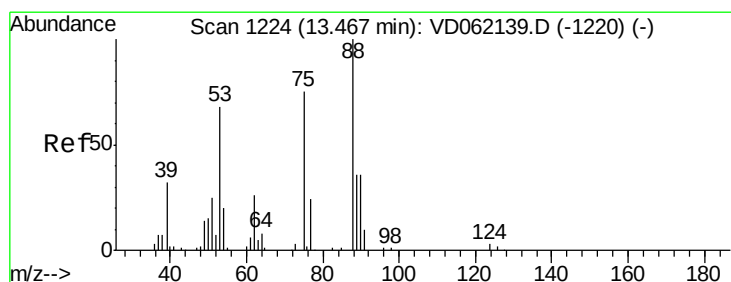
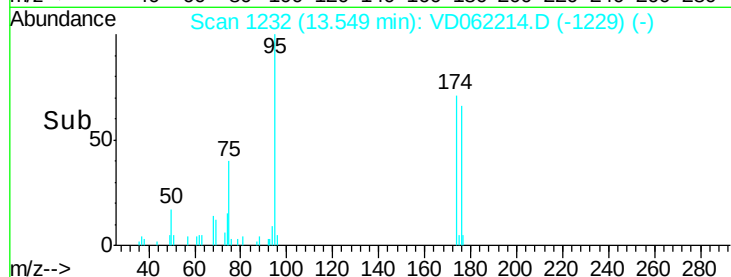
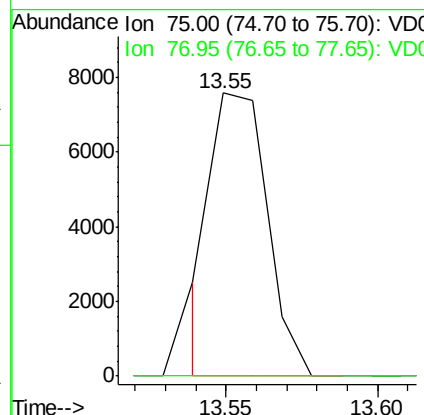
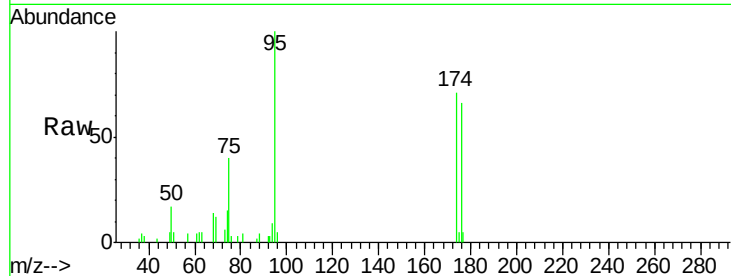




#76
 1,2,3-Trichloropropane
 Concen: 36.762 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD062214.D
 Acq: 10 May 2019 14:36

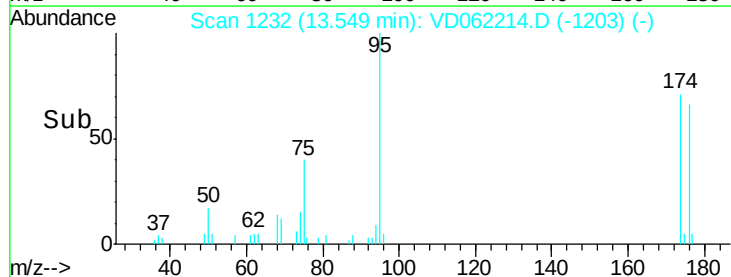
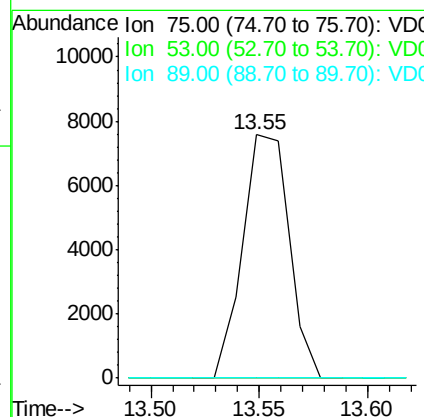
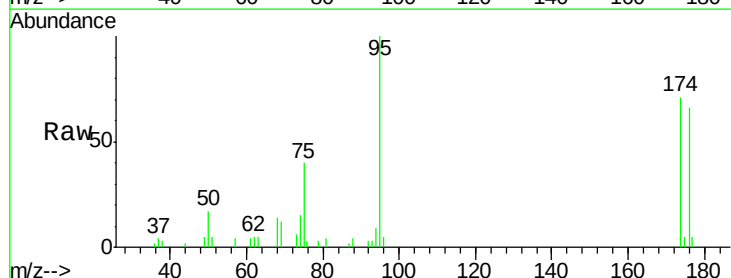
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS005-0612-01RE

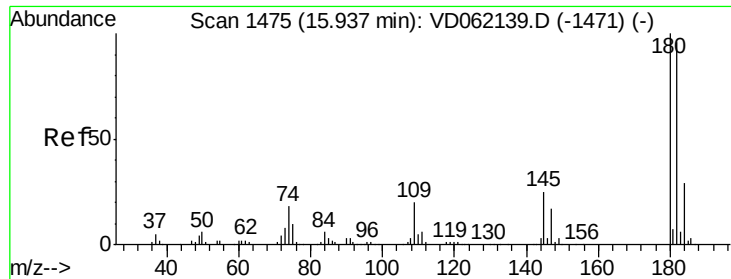
Tot Ion: 75 Resp: 9782
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.938 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062214.D
 Acq: 10 May 2019 14:36

Tgt Ion: 75 Resp: 11263
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

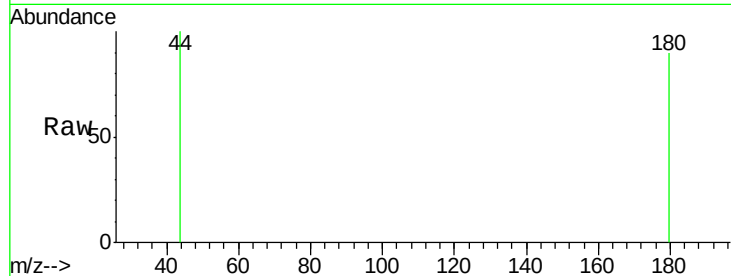




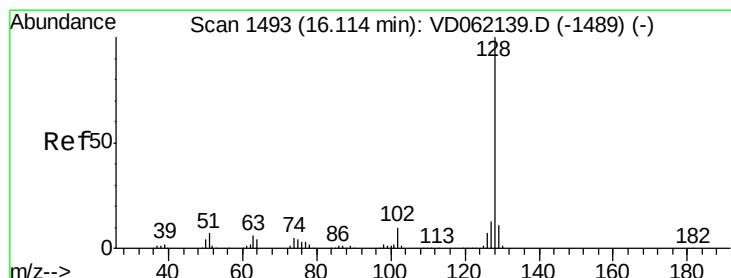
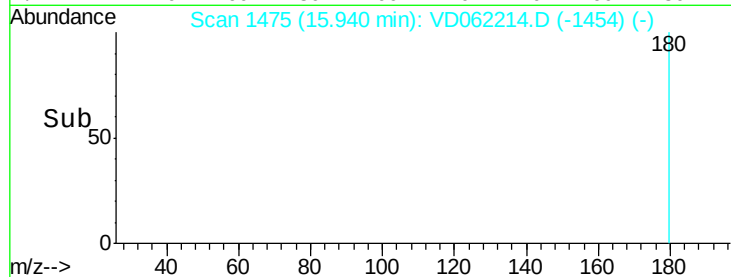
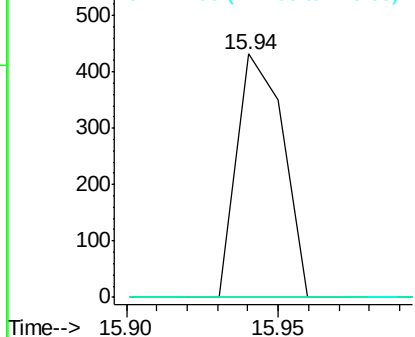
#93
 1,2,4-Trichlorobenzene
 Concen: 1.123 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062214.D
 Acq: 10 May 2019 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS005-0612-01RE

Tot Ion:180 Resp: 462
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.3 147.8#
 145 0.0 16.2 48.6#

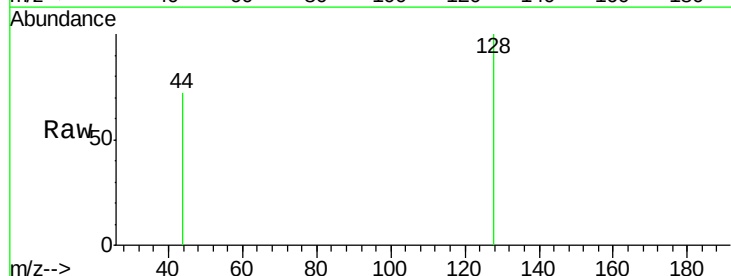


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 1.332 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD062214.D
 Acq: 10 May 2019 14:36

Tgt Ion:128 Resp: 765
 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

