

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062436.D
 Acq On : 17 May 2019 13:44
 Operator : FY/SY
 Sample : K2644-01RE
 Misc : 7.98g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-051519-ARE

Quant Time: May 18 00:04:01 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	7.06	168	707103	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1016034	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	771448	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	333844	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	240513	36.60	ug/l	0.03
Spiked Amount			Recovery	=	73.20%	
35) Dibromofluoromethane	6.93	113	305562	36.25	ug/l	0.03
Spiked Amount			Recovery	=	72.50%	
50) Toluene-d8	10.42	98	604225	29.73	ug/l	0.02
Spiked Amount			Recovery	=	59.46%	
62) 4-Bromofluorobenzene	13.56	95	254642	31.20	ug/l	0.02
Spiked Amount			Recovery	=	62.40%	

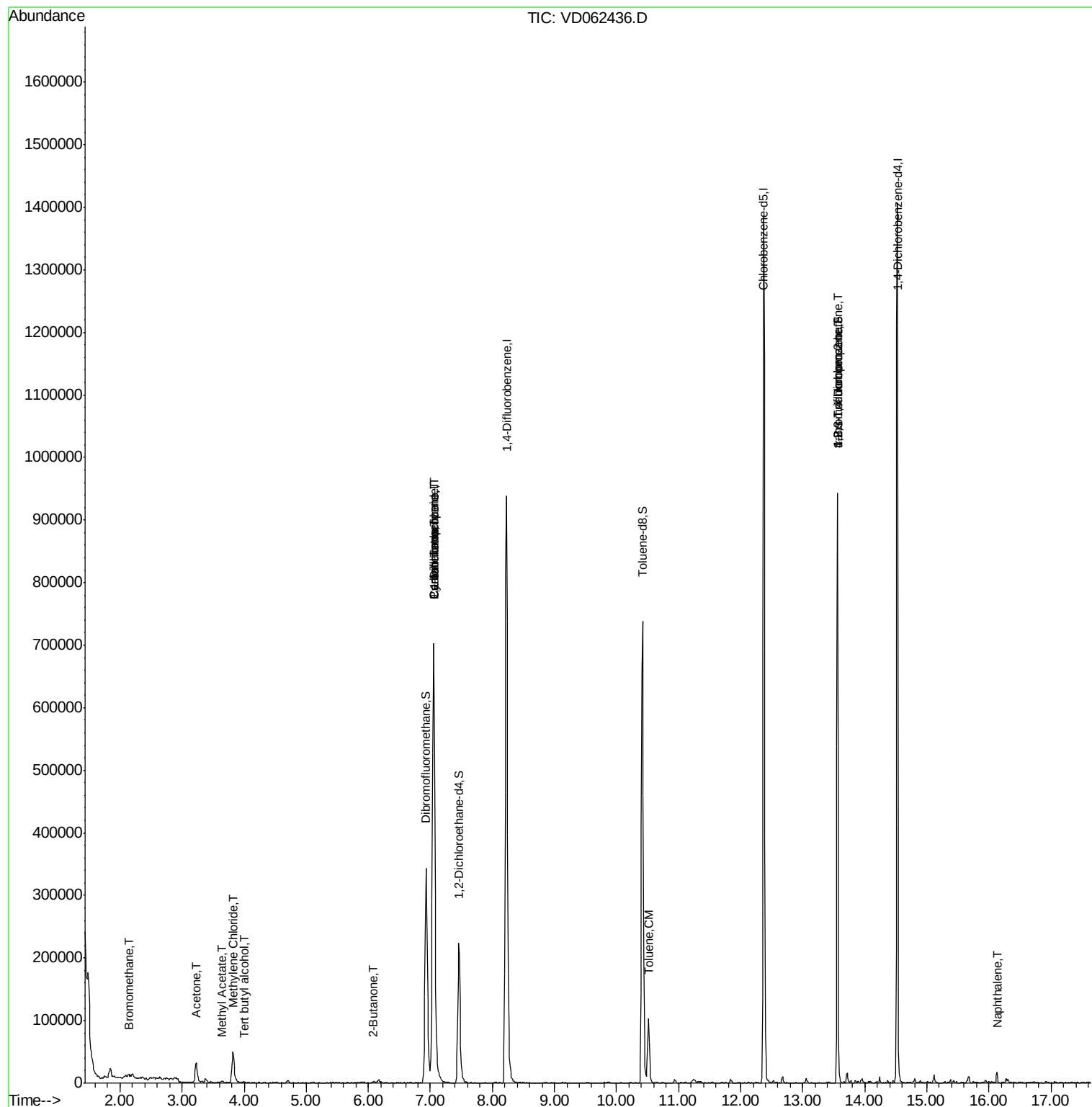
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	2940	2.613	ug/l #	12
11) Tert butyl alcohol	4.02	59	1210	3.607	ug/l #	76
16) Acetone	3.23	43	62275	45.191	ug/l #	78
18) Methyl Acetate	3.65	43	5167	1.804	ug/l #	53
20) Methylene Chloride	3.82	84	33719	5.860	ug/l	91
25) 2-Butanone	6.08	43	4869	3.239	ug/l #	56
31) Cyclohexane	7.05	56	15718	2.280	ug/l #	31
36) 1,1-Dichloropropene	7.06	75	58821	7.061	ug/l #	47
38) Carbon Tetrachloride	7.06	117	74462	6.458	ug/l #	16
52) Toluene	10.52	92	53225	4.349	ug/l	96
76) 1,2,3-Trichloropropane	13.56	75	101143	25.493	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	106780	95.336	ug/l #	16
95) Naphthalene	16.13	128	11690	1.365	ug/l	98

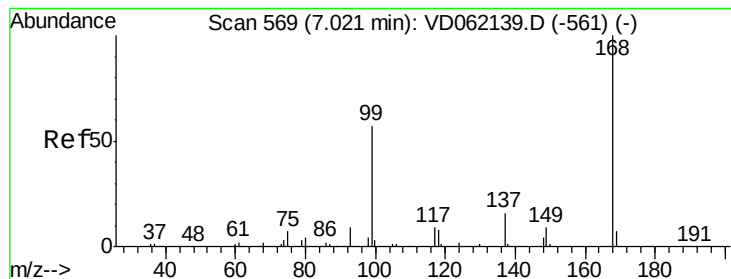
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 00:04:01 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: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062436.D

Acq: 17 May 2019 13:44

Instrument :

MSVOA_D

ClientSampleId :

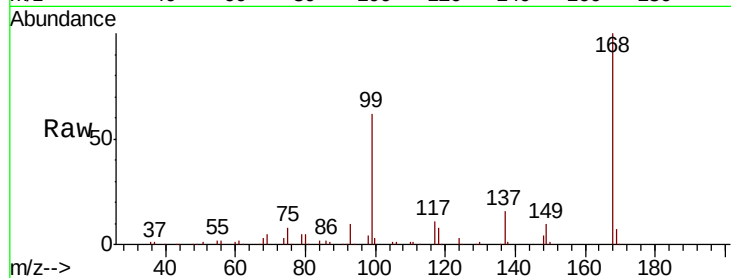
EO-01-051519-ARE

Tot Ion:168 Resp: 707103

Ion Ratio Lower Upper

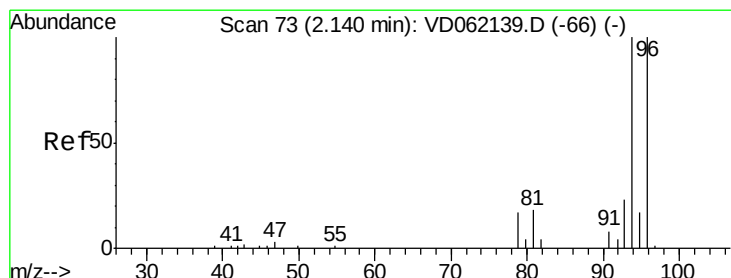
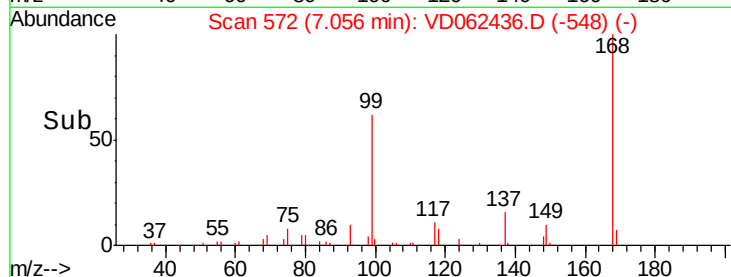
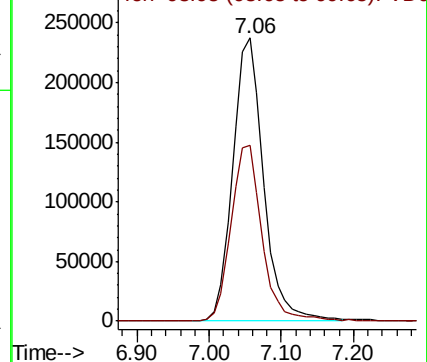
168 100

99 62.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.613 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062436.D

Acq: 17 May 2019 13:44

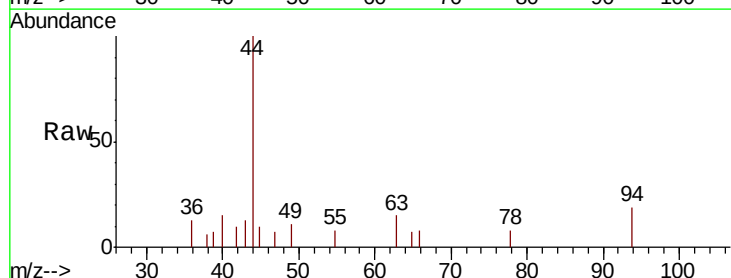
Tgt Ion: 94 Resp: 2940

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

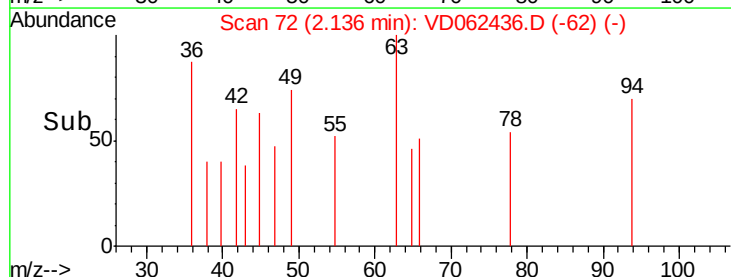
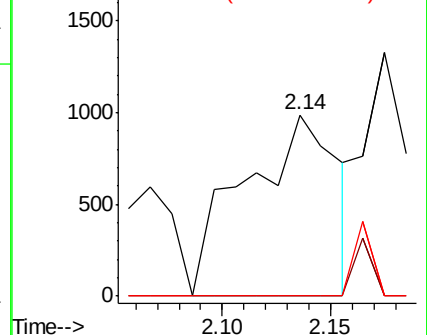
93 0.0 18.5 27.7#

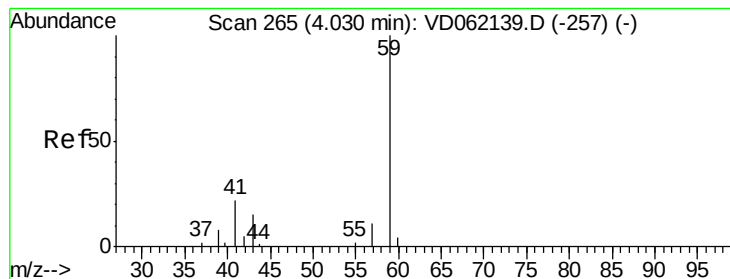


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



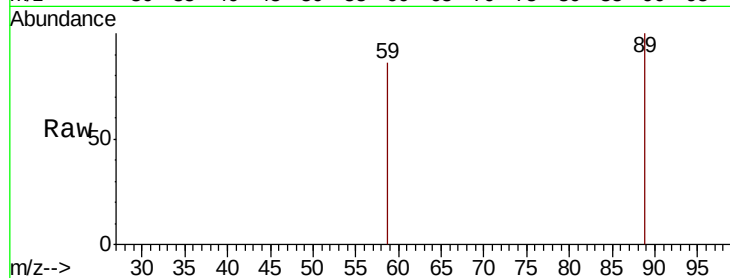


#11

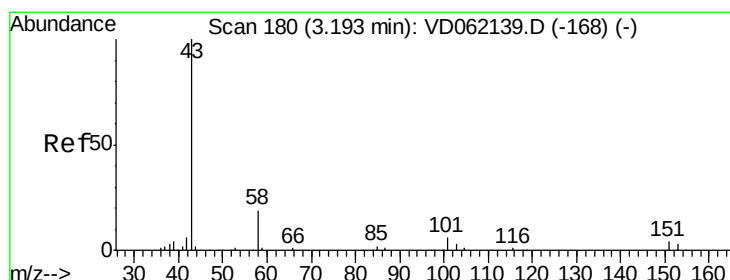
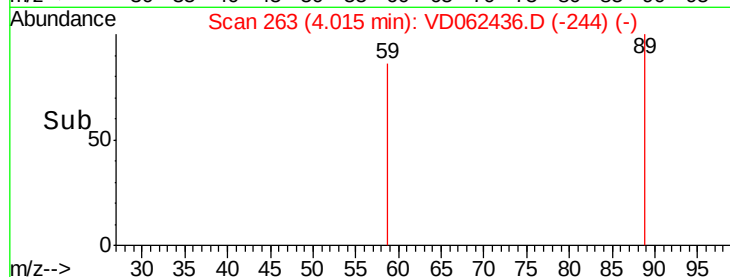
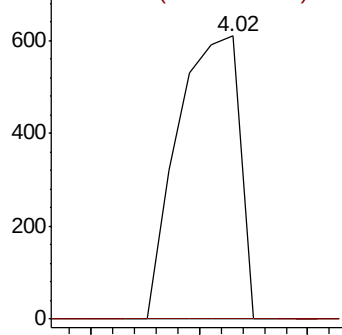
Tert butyl alcohol
 Concen: 3.607 ug/l
 RT: 4.02 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VD062436.D
 Acq: 17 May 2019 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-051519-ARE

Tot Ion: 59 Resp: 1210
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



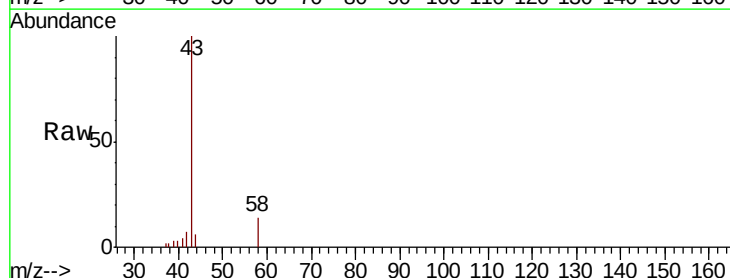
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



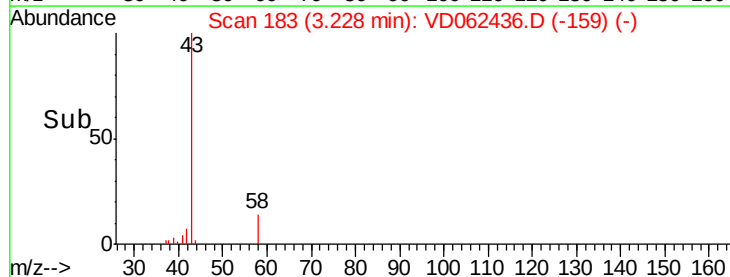
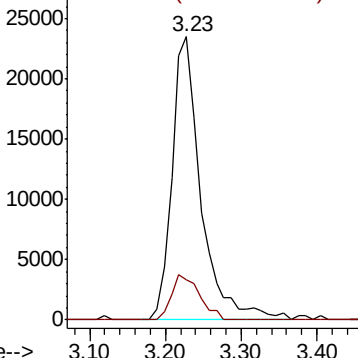
#16

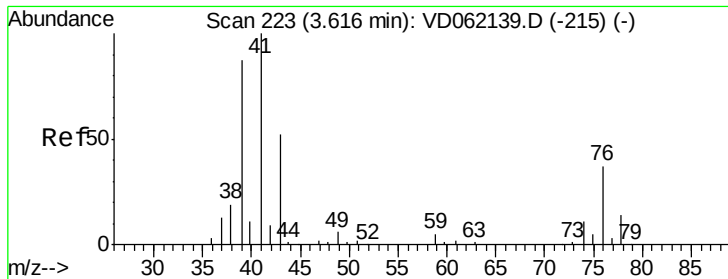
Acetone
 Concen: 45.191 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD062436.D
 Acq: 17 May 2019 13:44

Tgt Ion: 43 Resp: 62275
 Ion Ratio Lower Upper
 43 100
 58 14.0 19.9 29.9#



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

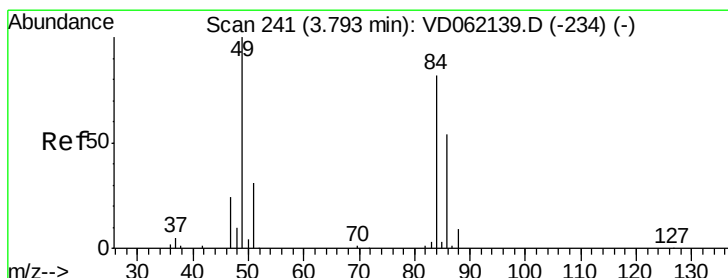
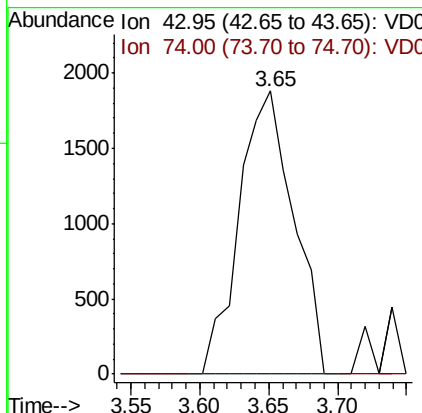
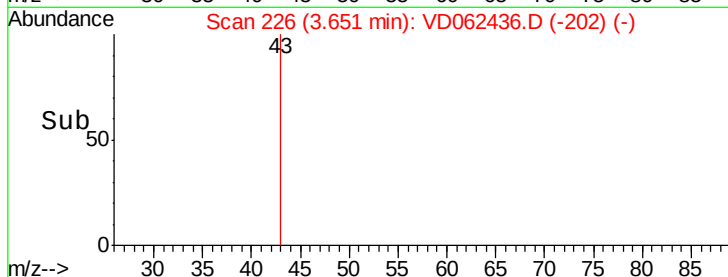
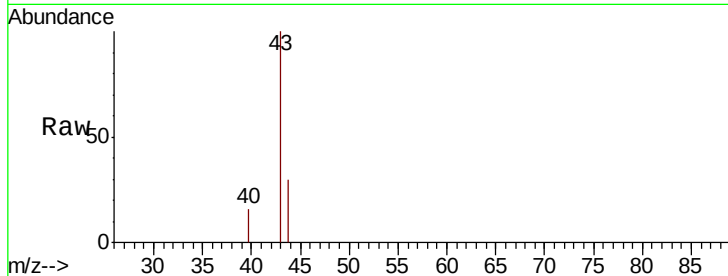




#18
Methyl Acetate
Concen: 1.804 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.04 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

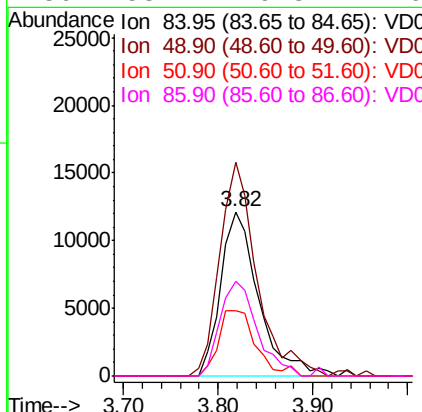
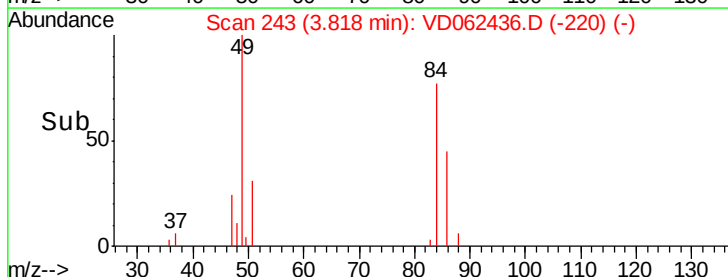
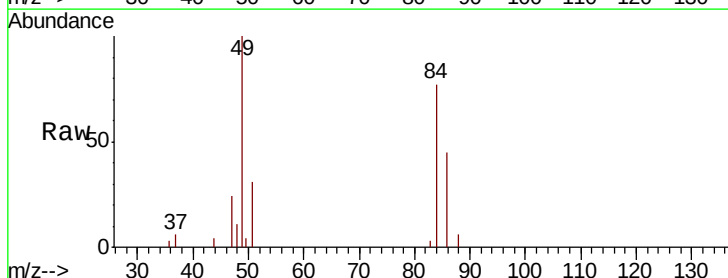
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051519-ARE

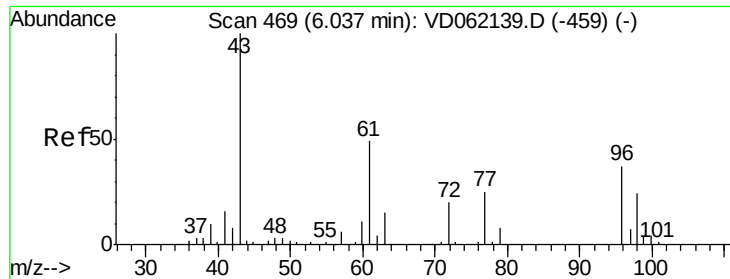
Tot Ion: 43 Resp: 5167
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 5.860 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

Tgt Ion: 84 Resp: 33719
Ion Ratio Lower Upper
84 100
49 130.3 94.0 141.0
51 40.2 29.0 43.4
86 58.1 49.8 74.6

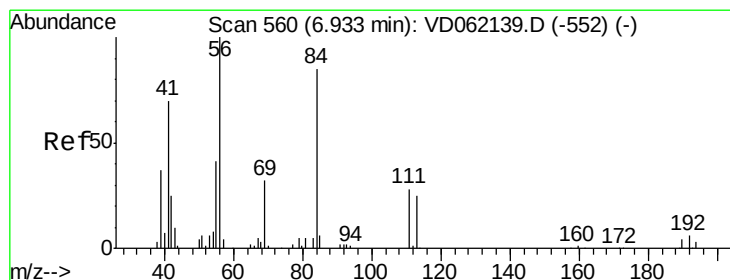
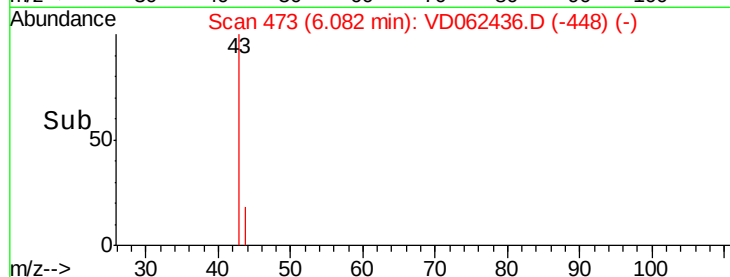
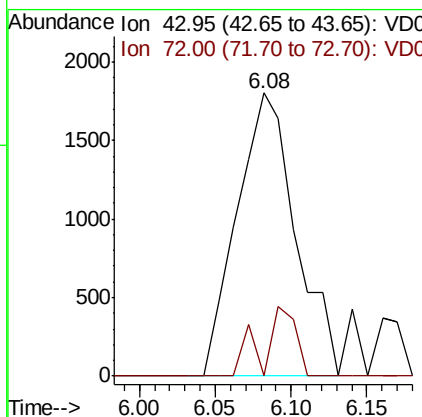
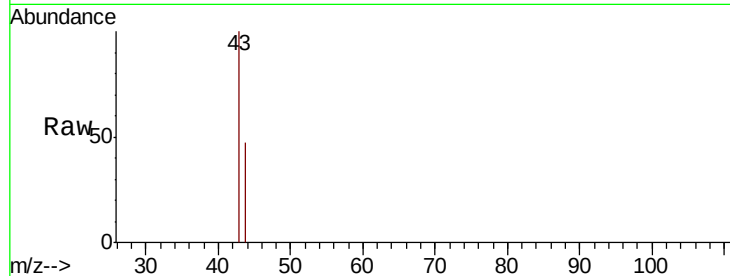




#25
2-Butanone
Concen: 3.239 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.04 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

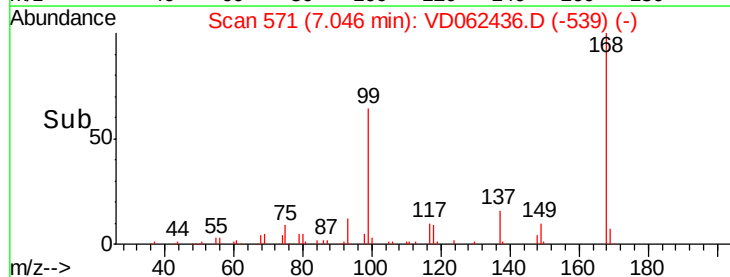
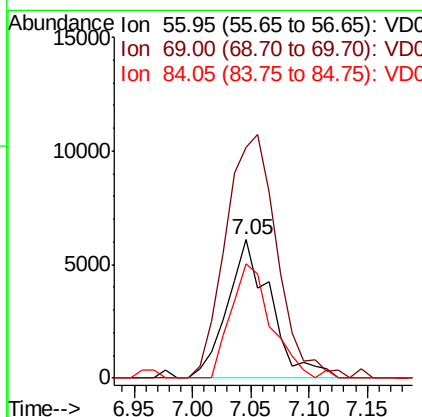
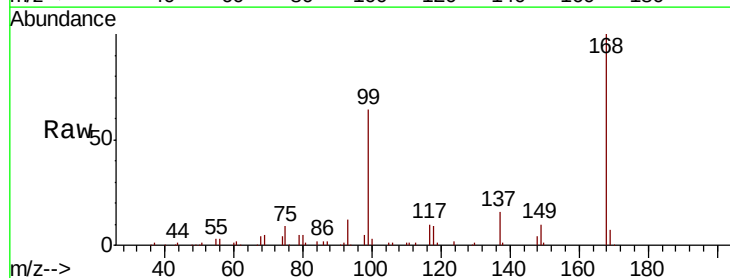
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051519-ARE

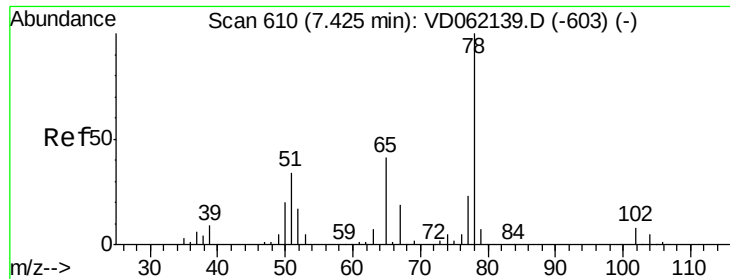
Tot Ion: 43 Resp: 4869
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#31
Cyclohexane
Concen: 2.280 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

Tgt Ion: 56 Resp: 15718
Ion Ratio Lower Upper
56 100
69 167.3 25.8 38.6#
84 82.7 72.2 108.4

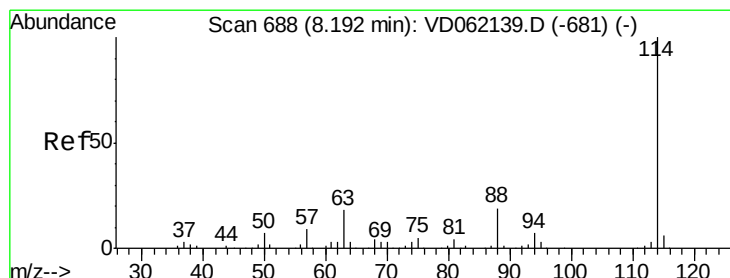
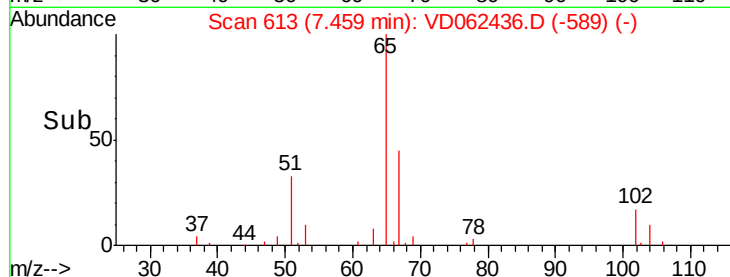
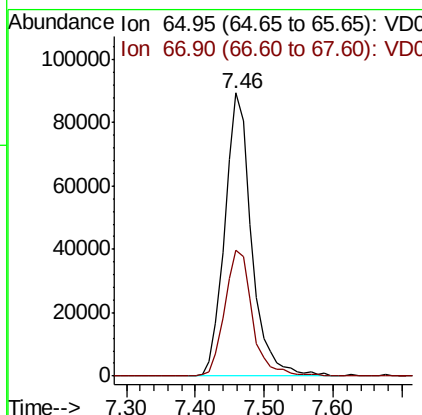
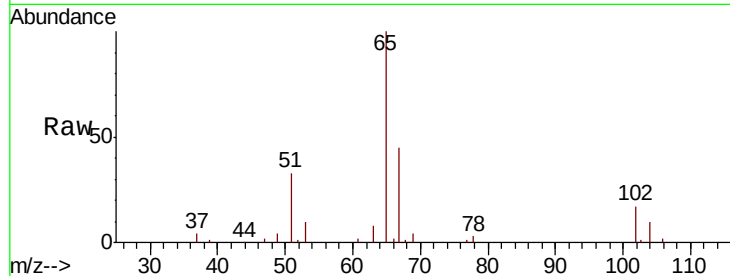




#33
 1,2-Dichloroethane-d4
 Concen: 36.601 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062436.D
 Acq: 17 May 2019 13:44

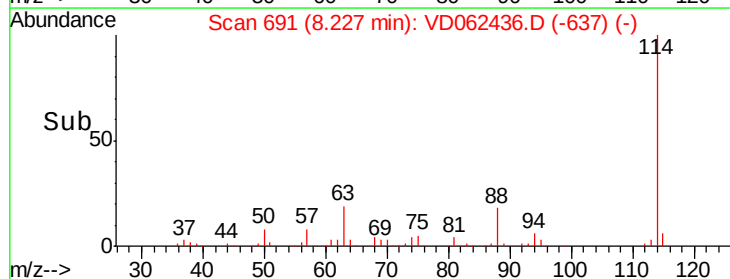
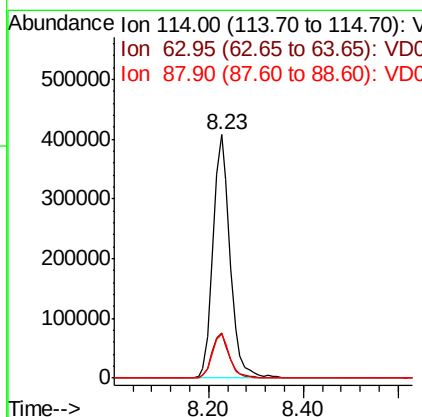
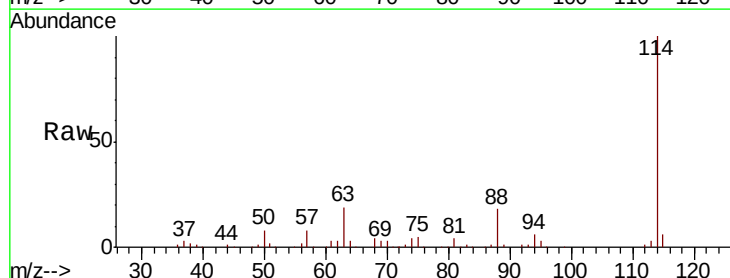
Instrument :
 MSVOA_D
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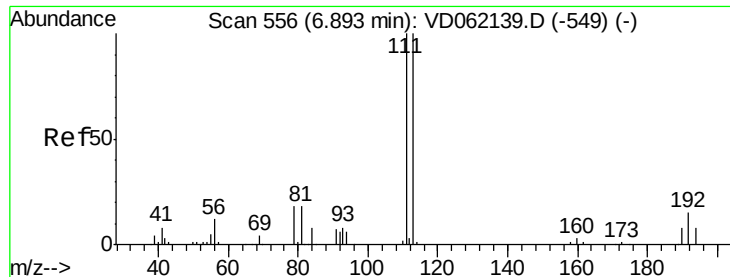
Tot Ion: 65 Resp: 240513
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062436.D
 Acq: 17 May 2019 13:44

Tgt Ion: 114 Resp: 1016034
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 32.4
 88 17.9 0.0 33.6

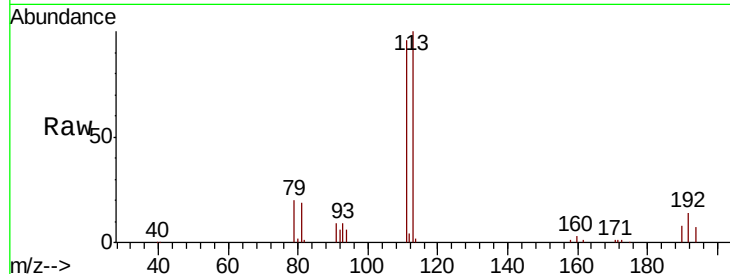




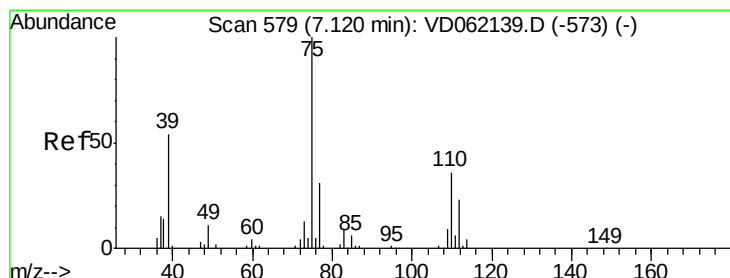
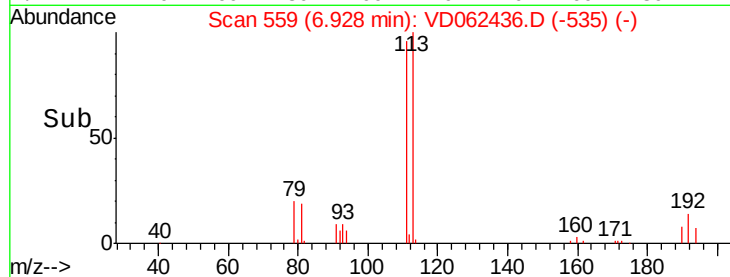
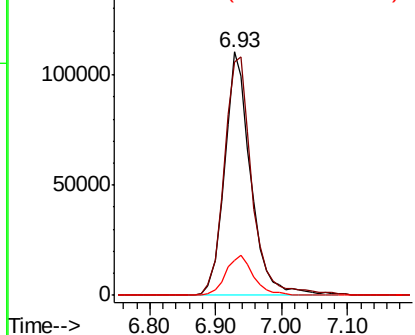
#35
 Dibromofluoromethane
 Concen: 36.246 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062436.D
 Acq: 17 May 2019 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-051519-ARE

Tot Ion	Ratio	Lower	Upper
113	100		
111	95.8	78.5	117.7
192	14.5	13.0	19.4

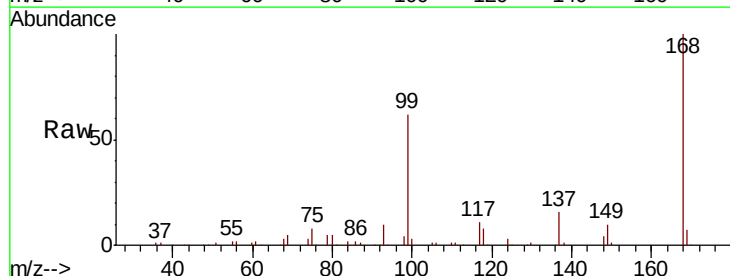


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

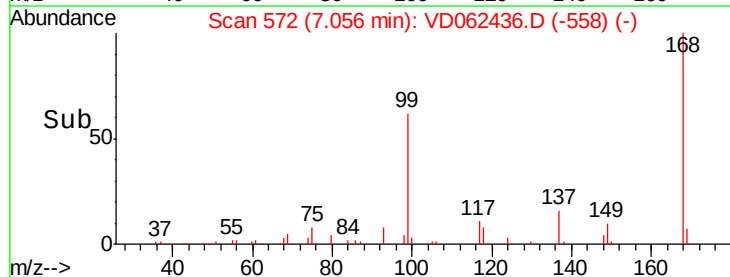
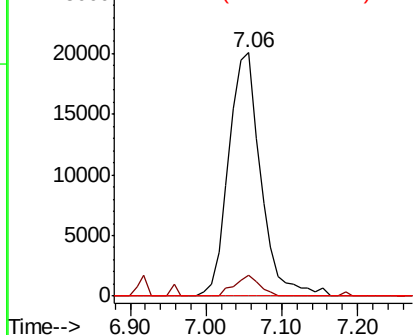


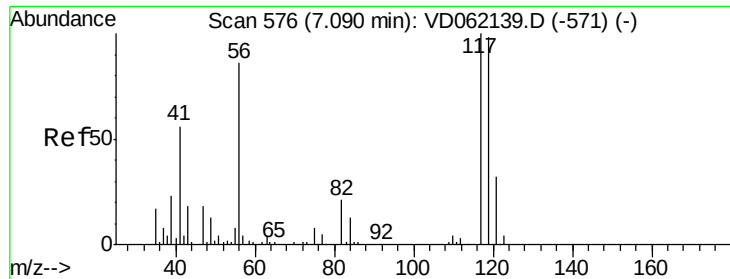
#36
 1,1-Dichloropropene
 Concen: 7.061 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062436.D
 Acq: 17 May 2019 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	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

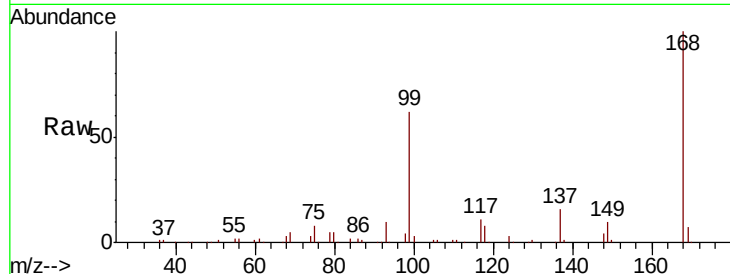




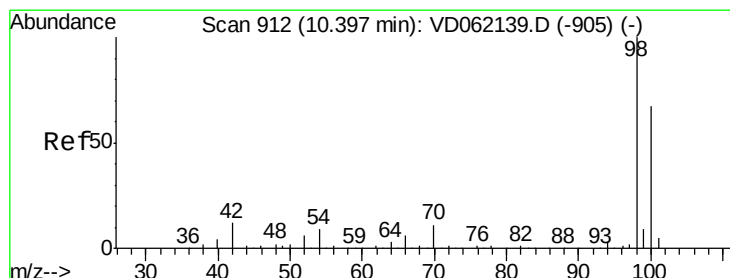
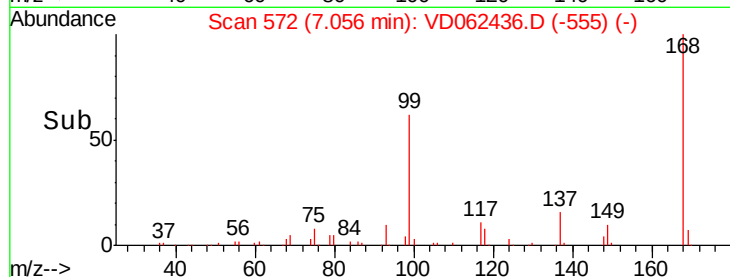
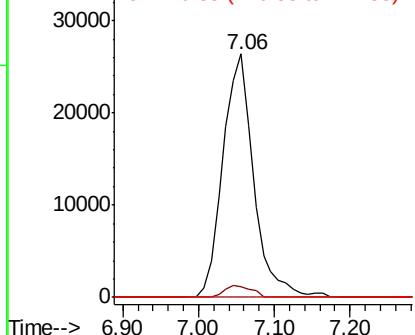
#38
Carbon Tetrachloride
Concen: 6.458 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

Instrument :
MSVOA_D
ClientSampleId :
EO-01-051519-ARE

Tot Ion:117 Resp: 74462
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 25.9 38.9#

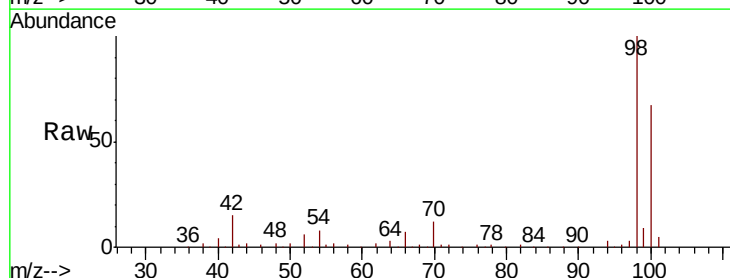


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

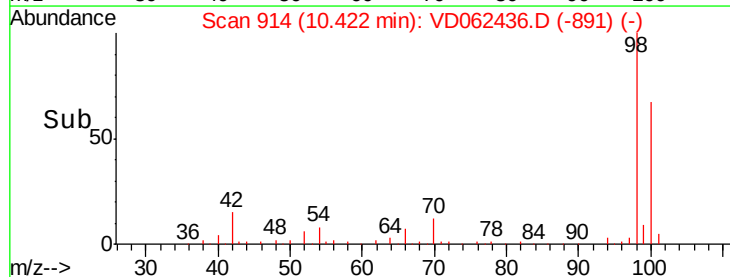
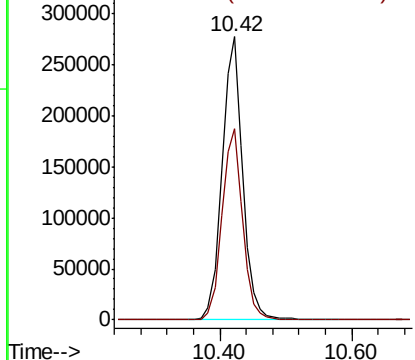


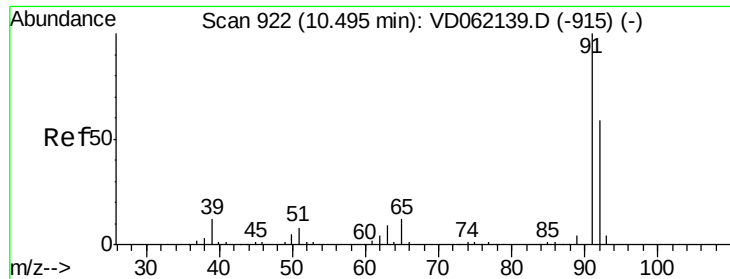
#50
Toluene-d8
Concen: 29.727 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

Tgt Ion: 98 Resp: 604225
Ion Ratio Lower Upper
98 100
100 67.3 53.8 80.8



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





#52

Toluene

Concen: 4.349 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062436.D

Acq: 17 May 2019 13:44

Instrument :

MSVOA_D

ClientSampleId :

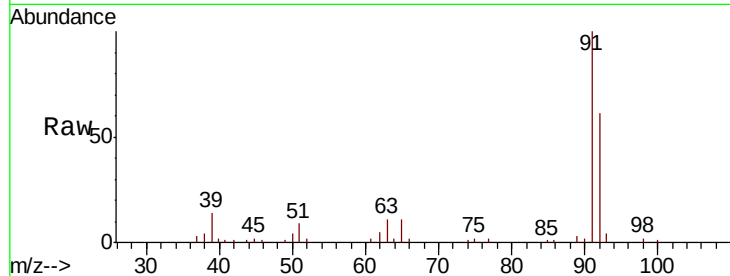
EO-01-051519-ARE

Tot Ion: 92 Resp: 53225

Ion Ratio Lower Upper

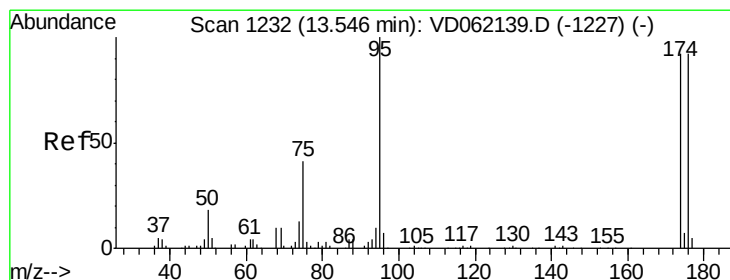
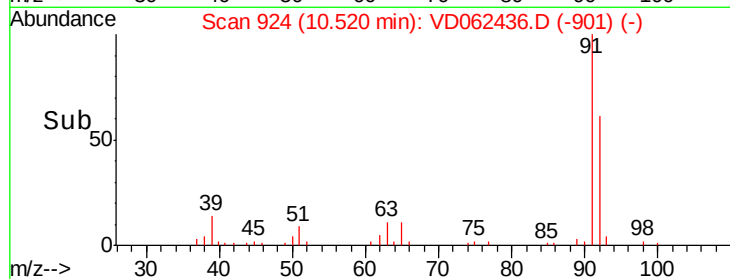
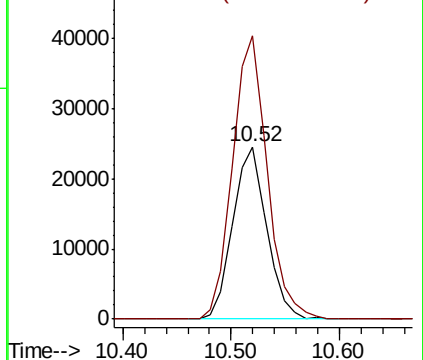
92 100

91 164.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 31.198 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062436.D

Acq: 17 May 2019 13:44

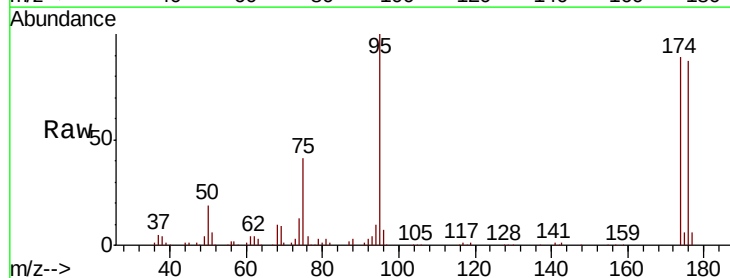
Tgt Ion: 95 Resp: 254642

Ion Ratio Lower Upper

95 100

174 89.3 0.0 181.8

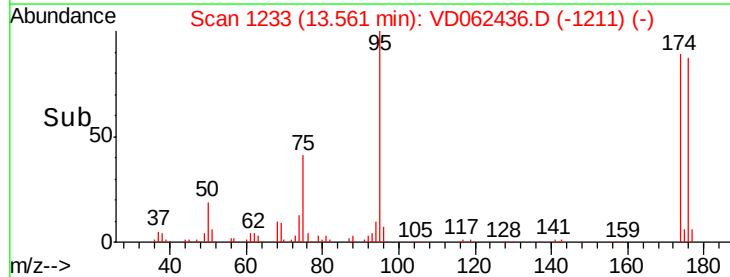
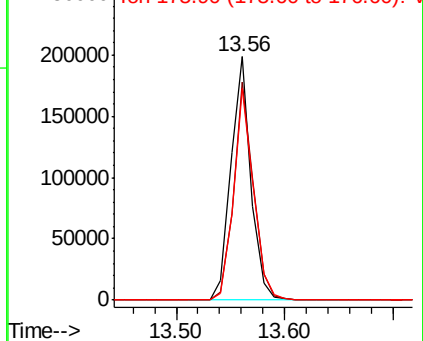
176 86.9 0.0 174.4

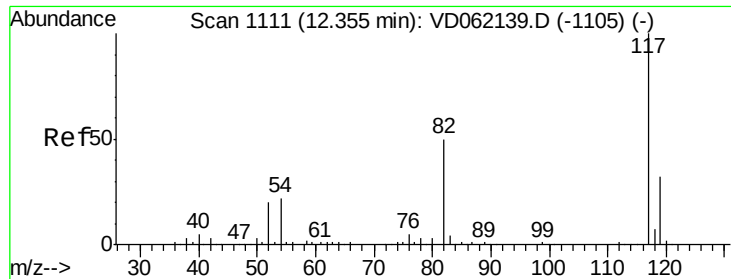


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

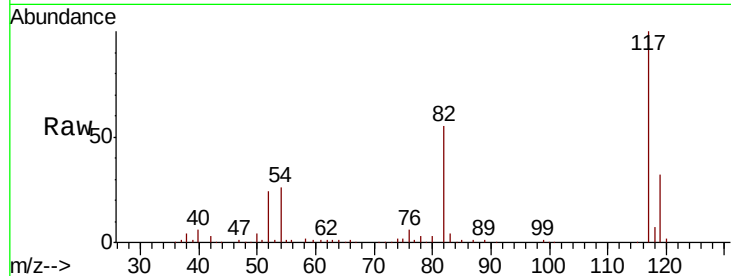




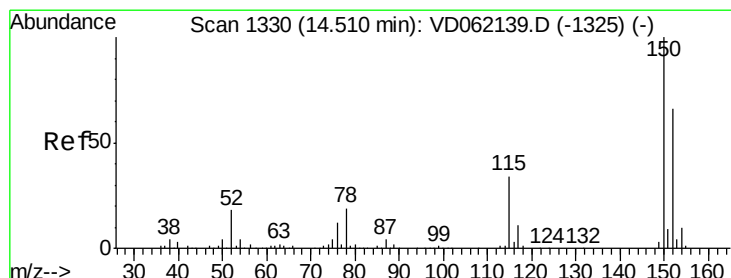
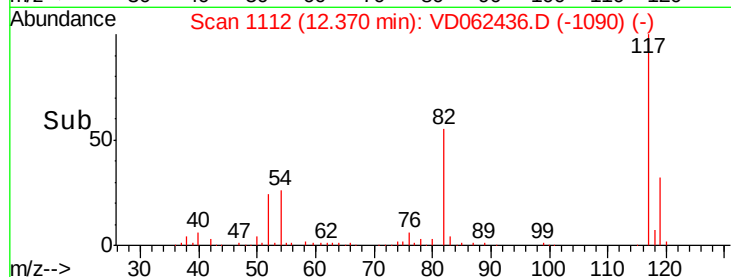
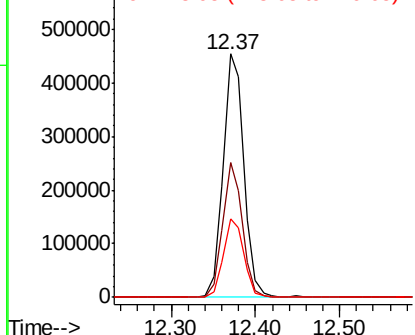
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

Instrument :
MSVOA_D
ClientSampleId :
EO-01-051519-ARE

Tot Ion:117 Resp: 771448
Ion Ratio Lower Upper
117 100
82 55.1 36.2 54.2#
119 32.3 26.2 39.4

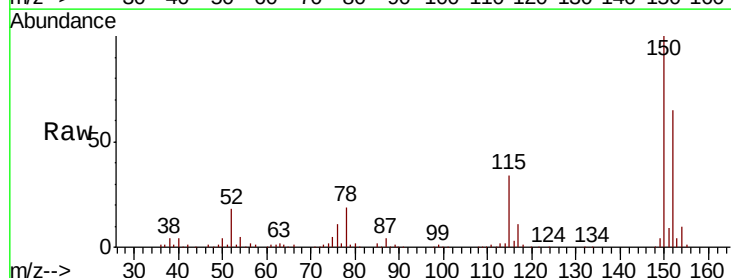


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

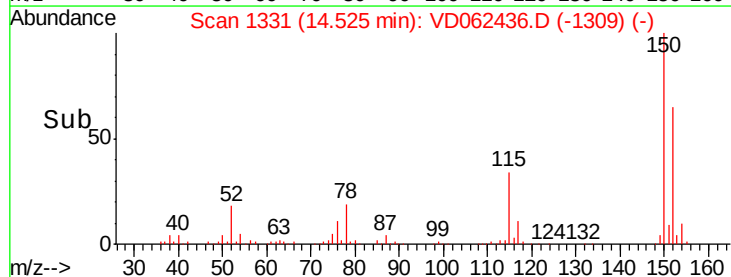
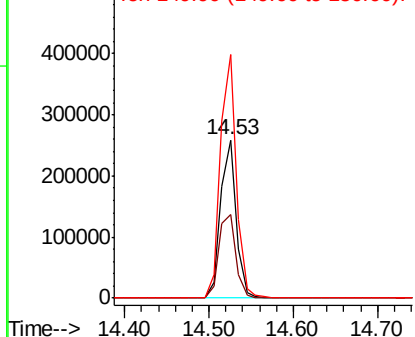


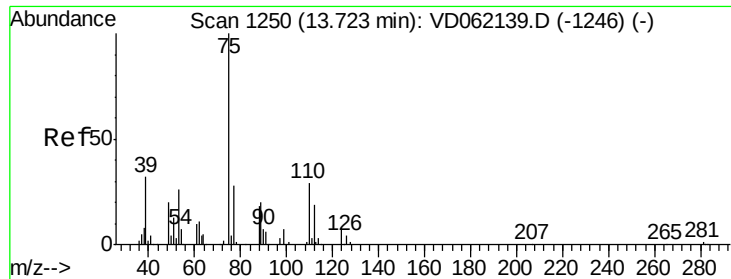
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062436.D
Acq: 17 May 2019 13:44

Tgt Ion:152 Resp: 333844
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 153.6 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: 25.493 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062436.D

Acq: 17 May 2019 13:44

Instrument :

MSVOA_D

ClientSampleId :

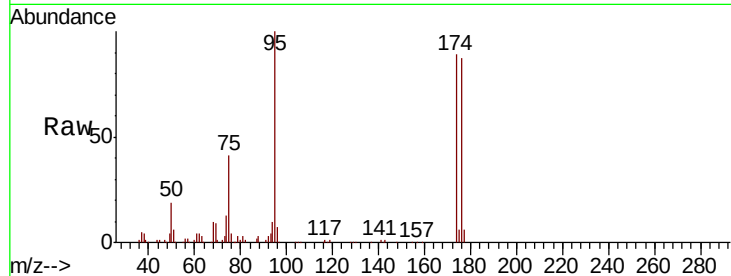
EO-01-051519-ARE

Tot Ion: 75 Resp: 101143

Ion Ratio Lower Upper

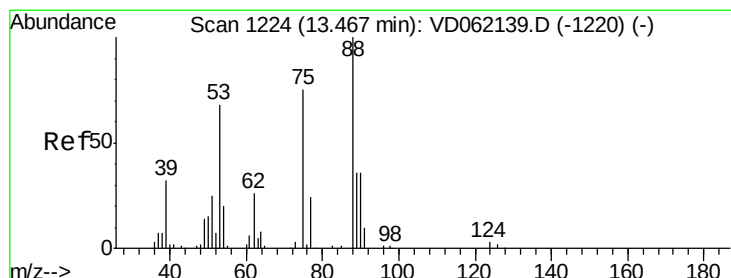
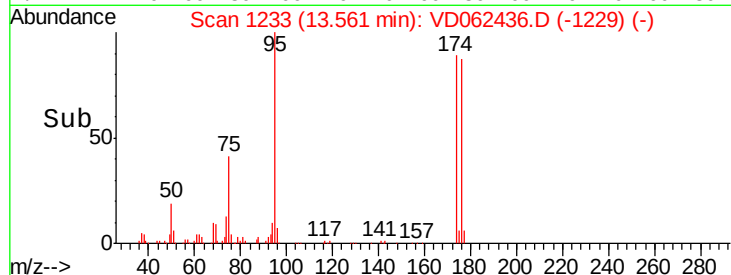
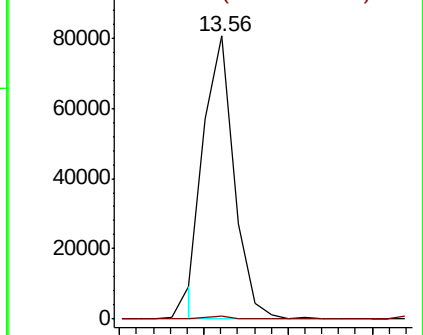
75 100

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: 95.336 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062436.D

Acq: 17 May 2019 13:44

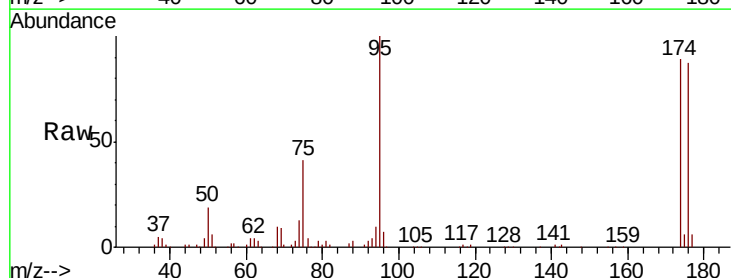
Tgt Ion: 75 Resp: 106780

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

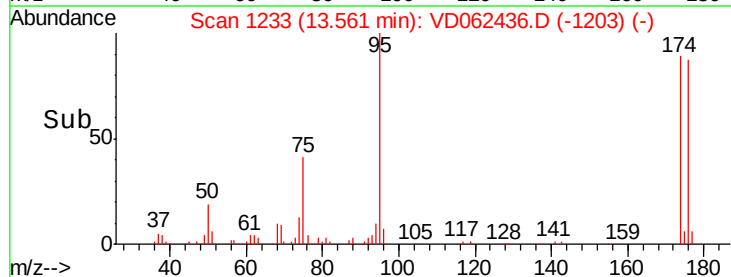
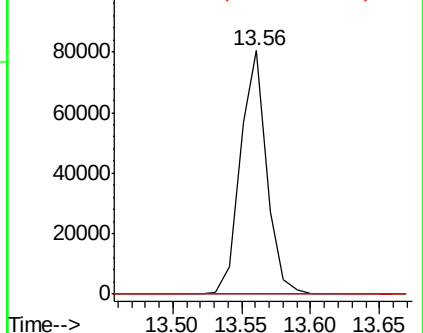
89 0.0 35.0 52.6#

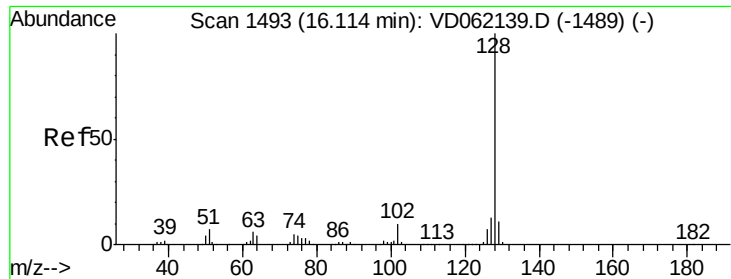


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

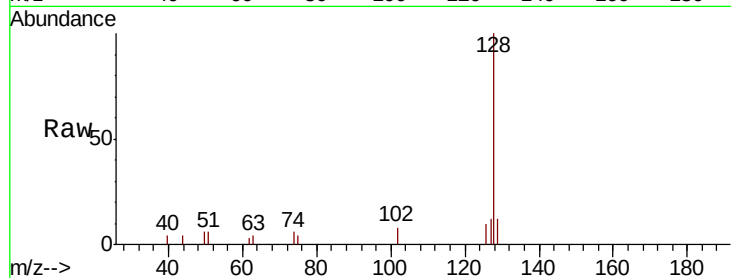




#95
 Naphthalene
 Concen: 1.365 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.02 min
 Lab File: VD062436.D
 Acq: 17 May 2019 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-051519-ARE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.8
129	12.3	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

