

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062992.D
 Acq On : 1 Jul 2019 16:08
 Operator : VA/AP
 Sample : K3160-11
 Misc : 6.48g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-062819-C

Quant Time: Jul 02 07:35:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	868209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1240166	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	876536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	400389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	417640	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	
35) Dibromofluoromethane	6.93	113	472721	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
50) Toluene-d8	10.41	98	981410	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
62) 4-Bromofluorobenzene	13.55	95	391789	37.86	ug/l	0.00
Spiked Amount			Recovery	=	75.72%	

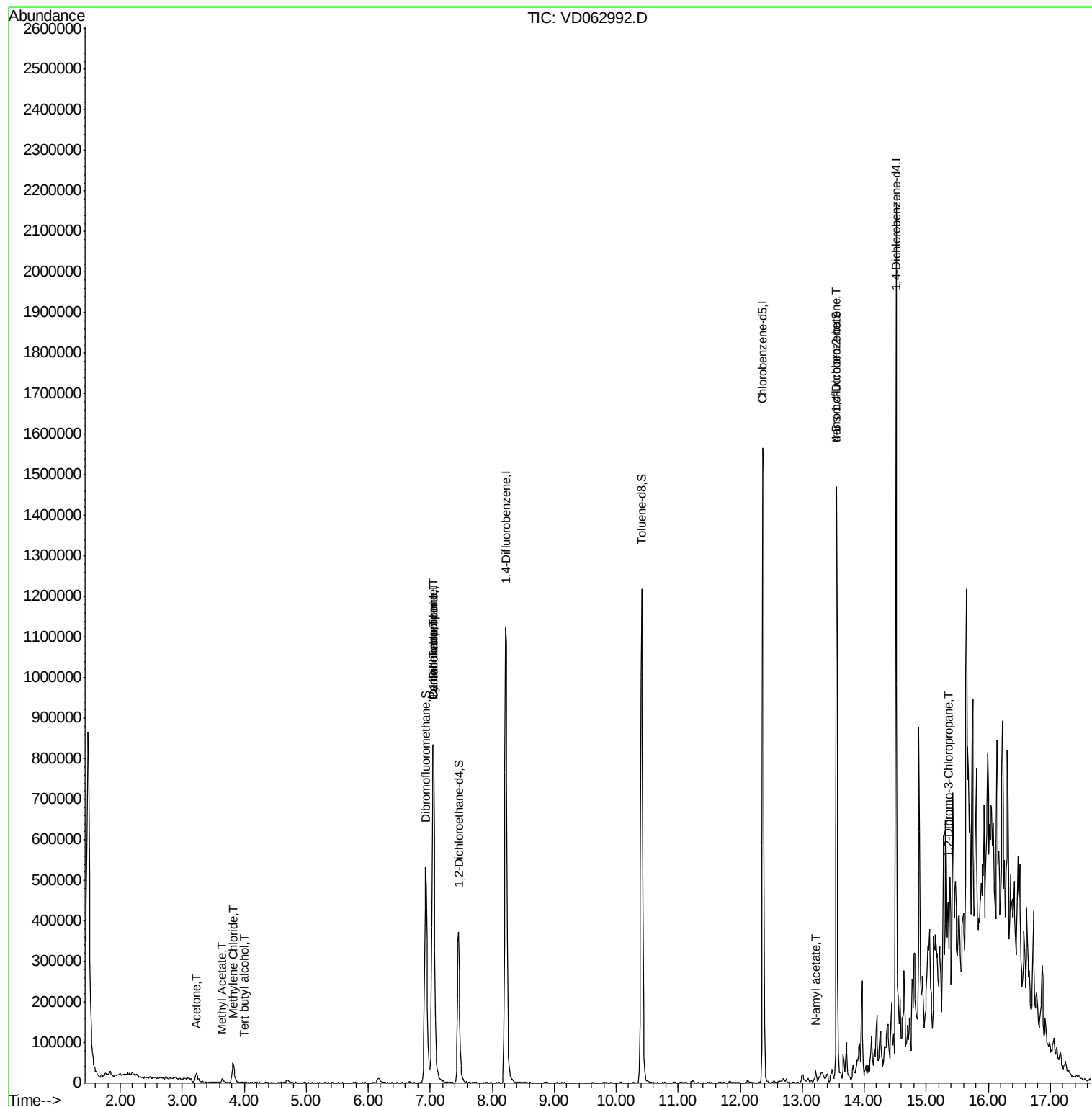
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	540	1.256	ug/l #	77
16) Acetone	3.23	43	44065	16.491	ug/l #	84
18) Methyl Acetate	3.65	43	13806	4.846	ug/l	96
20) Methylene Chloride	3.82	84	28258	3.926	ug/l	91
31) Cyclohexane	7.05	56	19056	2.150	ug/l #	11
36) 1,1-Dichloropropene	7.06	75	63313	5.393	ug/l #	55
37) Ethyl Acetate	6.22	43	457	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	83345	4.720	ug/l #	14
74) N-amyl acetate	13.22	43	7271	1.166	ug/l #	54
81) trans-1,4-Dichloro-2-buten	13.55	75	177609	146.614	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	15.35	75	1005	1.231	ug/l #	39

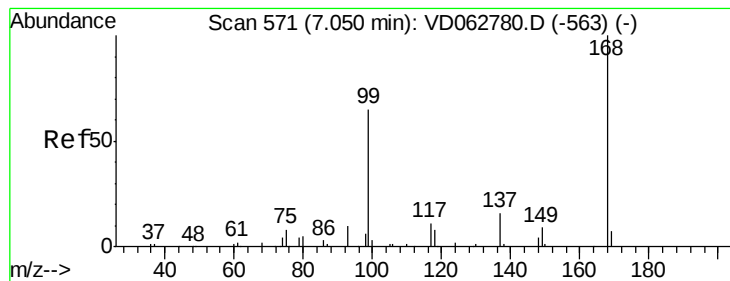
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

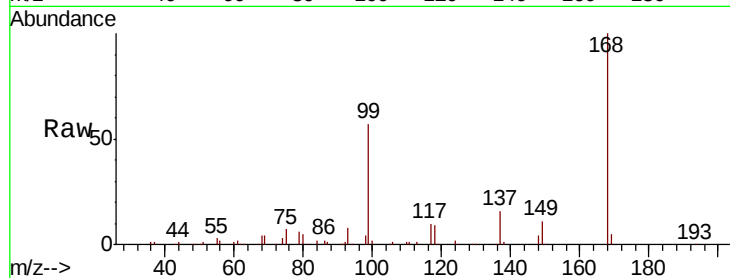
EO-01-062819-C

Tot Ion:168 Resp: 868209

Ion Ratio Lower Upper

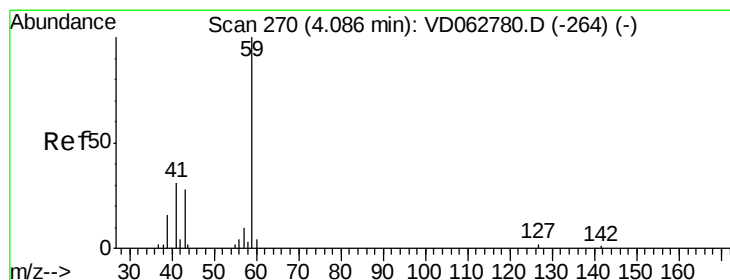
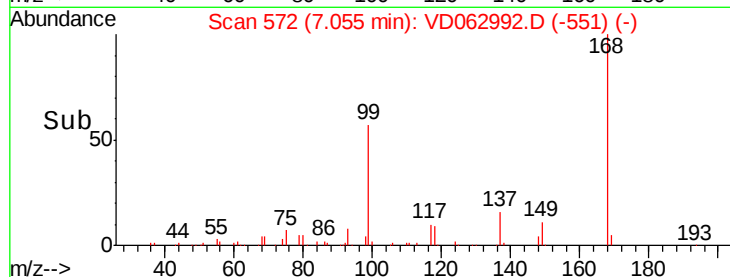
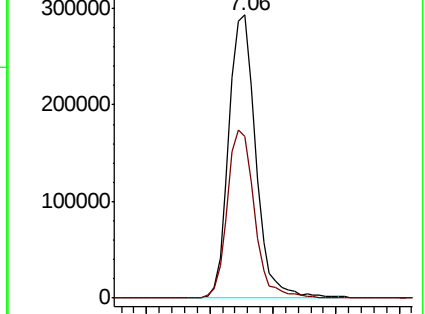
168 100

99 57.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.256 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.10 min

Lab File: VD062992.D

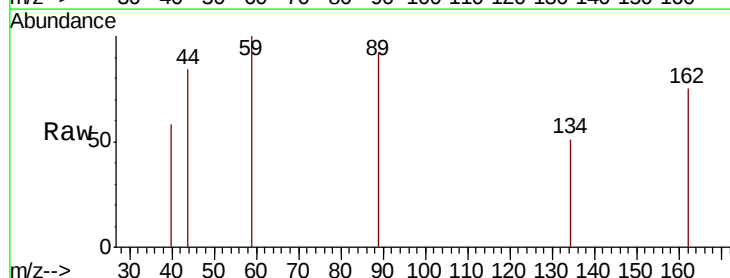
Acq: 1 Jul 2019 16:08

Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

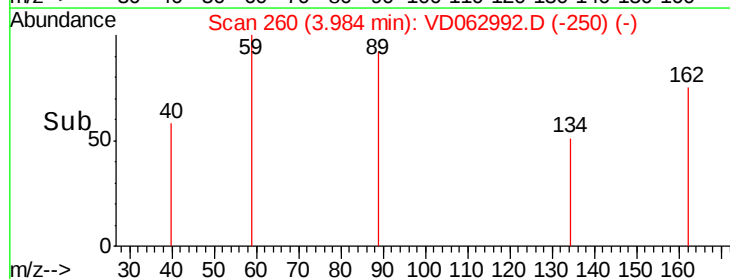
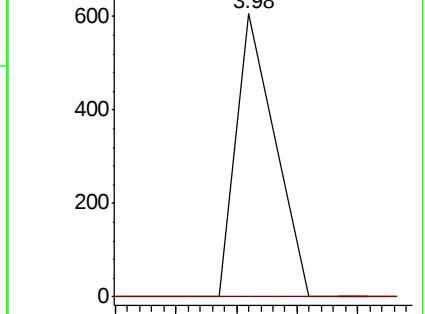
59 100

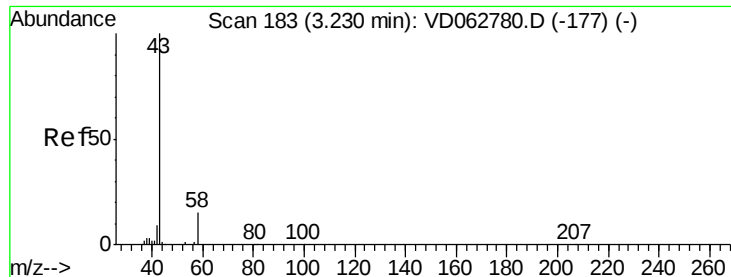
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 16.491 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

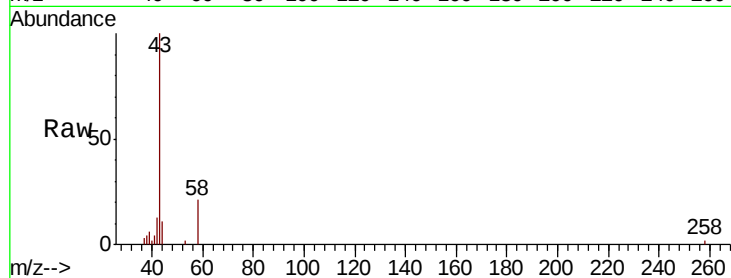
EO-01-062819-C

Tot Ion: 43 Resp: 44065

Ion Ratio Lower Upper

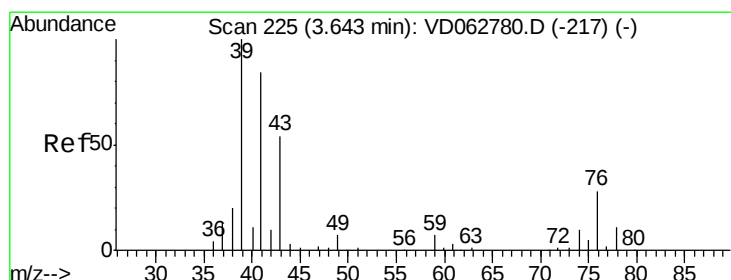
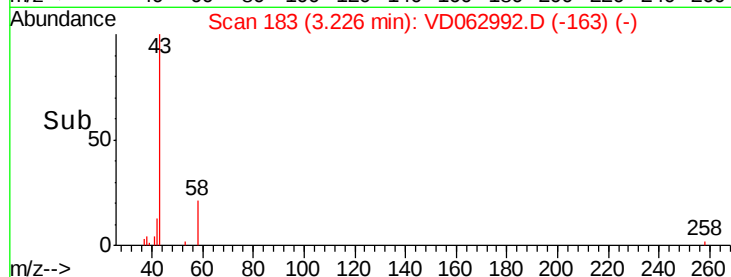
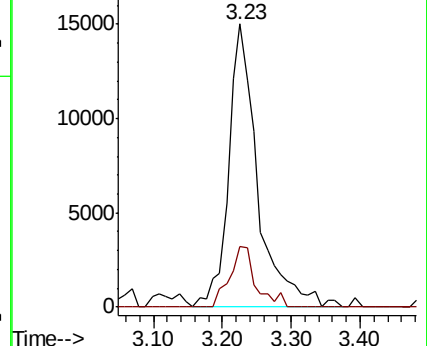
43 100

58 21.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 4.846 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062992.D

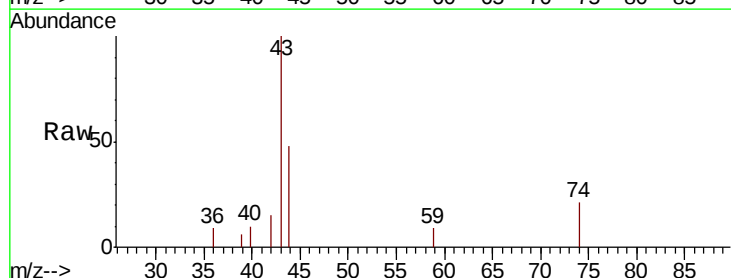
Acq: 1 Jul 2019 16:08

Tgt Ion: 43 Resp: 13806

Ion Ratio Lower Upper

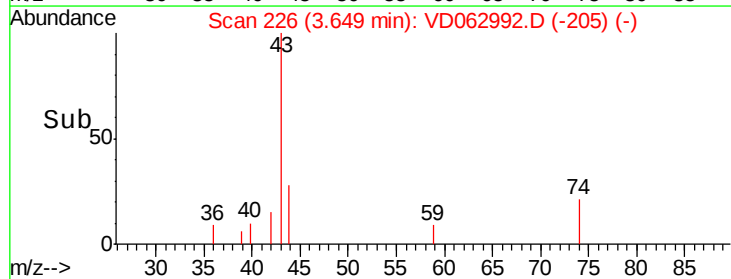
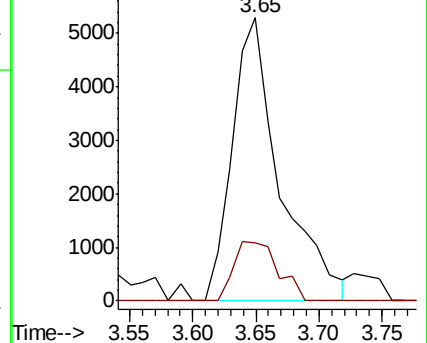
43 100

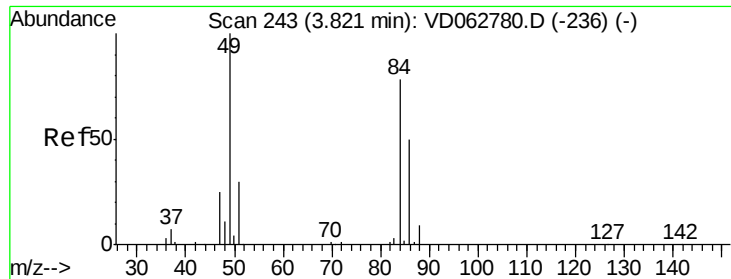
74 20.7 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

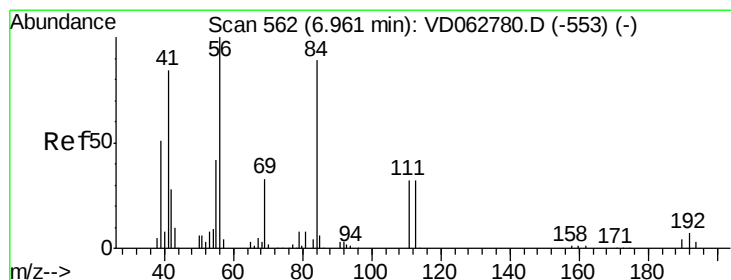
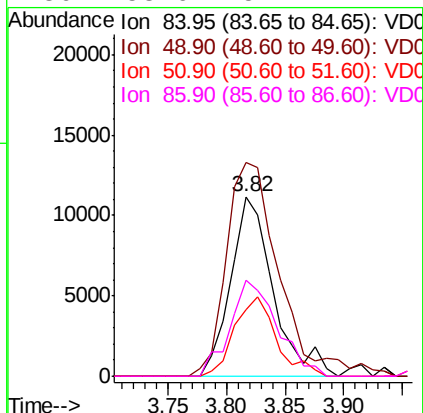
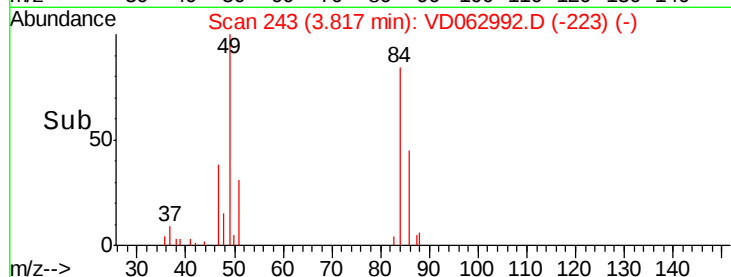
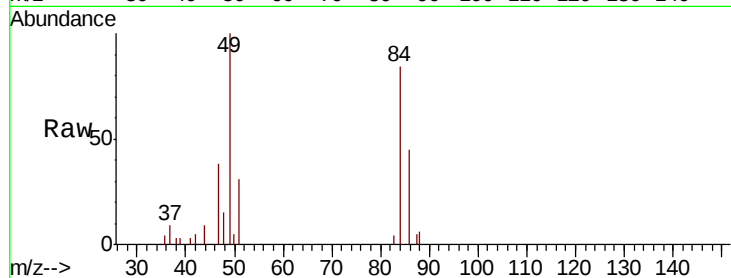




#20
Methvlene Chloride
Concen: 3.926 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

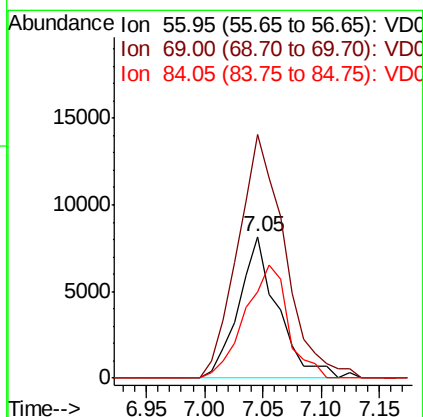
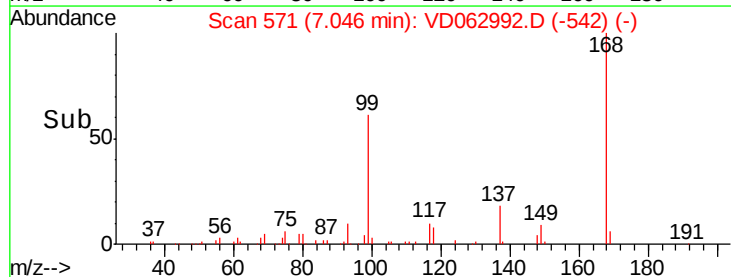
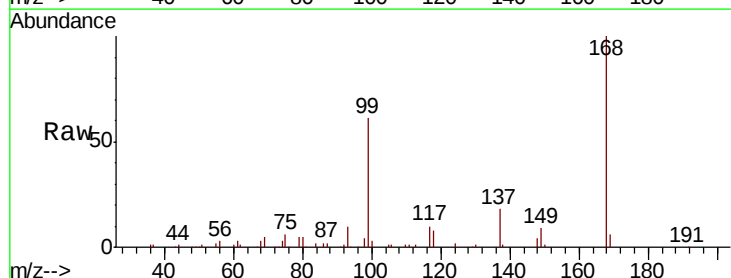
Instrument :
MSVOA_D
ClientSampleId :
EO-01-062819-C

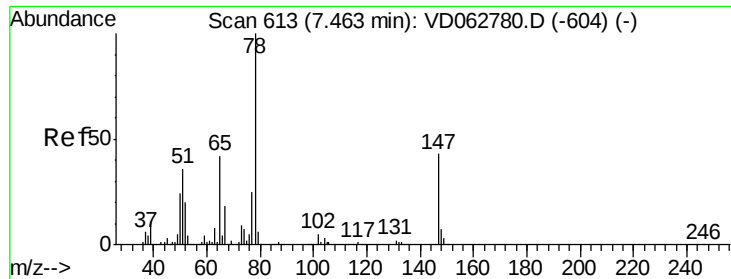
Tot Ion: 84 Resp: 28258
Ion Ratio Lower Upper
84 100
49 118.8 102.9 154.3
51 37.1 31.2 46.8
86 53.6 51.4 77.2



#31
Cyclohexane
Concen: 2.150 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

Tgt Ion: 56 Resp: 19056
Ion Ratio Lower Upper
56 100
69 172.1 26.6 39.8#
84 61.0 75.5 113.3#

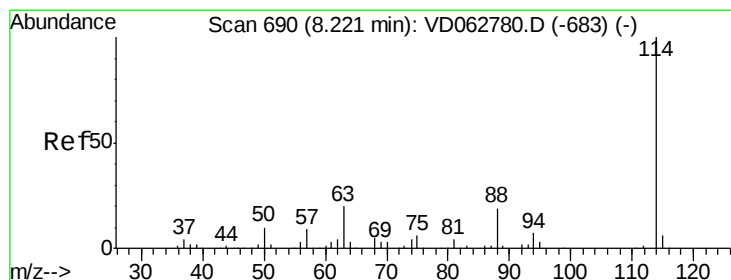
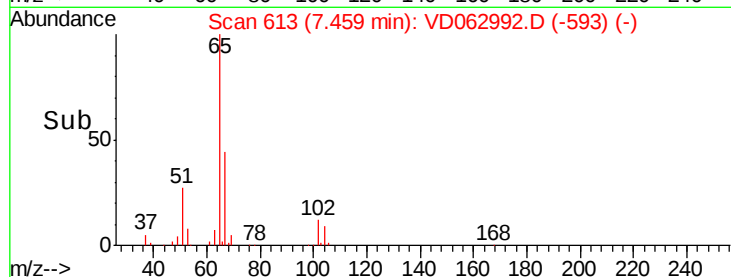
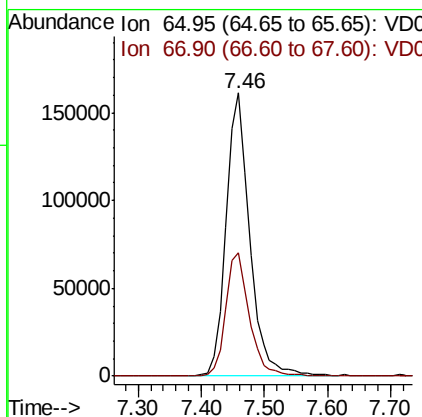
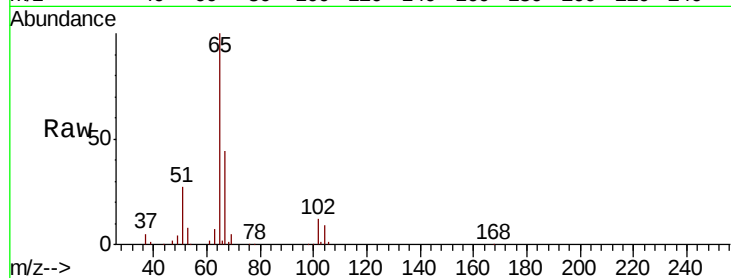




#33
 1,2-Dichloroethane-d4
 Concen: 44.254 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062992.D
 Acq: 1 Jul 2019 16:08

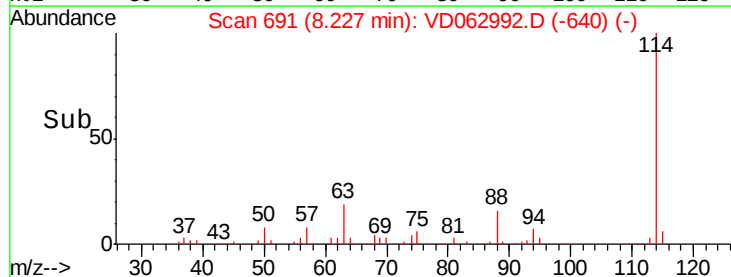
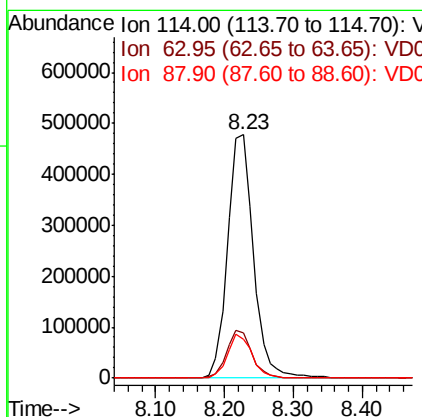
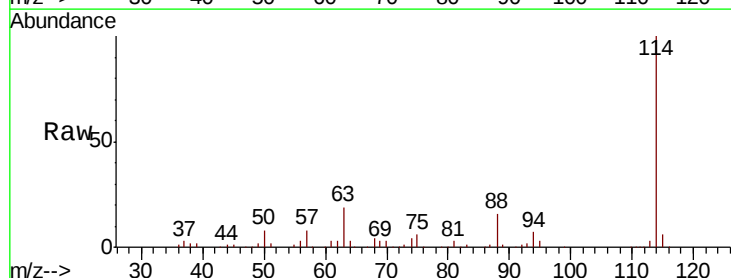
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-062819-C

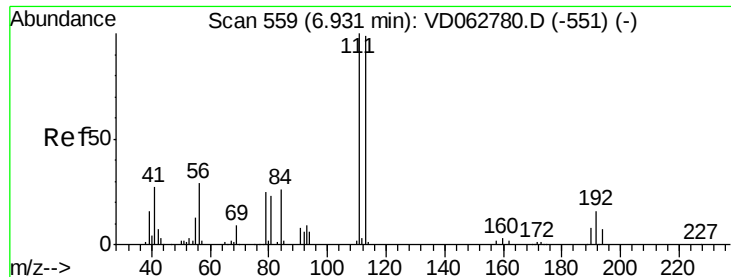
Tot Ion: 65 Resp: 417640
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062992.D
 Acq: 1 Jul 2019 16:08

Tgt Ion: 114 Resp: 1240166
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.0
 88 16.1 0.0 38.8





#35

Dibromofluoromethane

Concen: 45.206 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

EO-01-062819-C

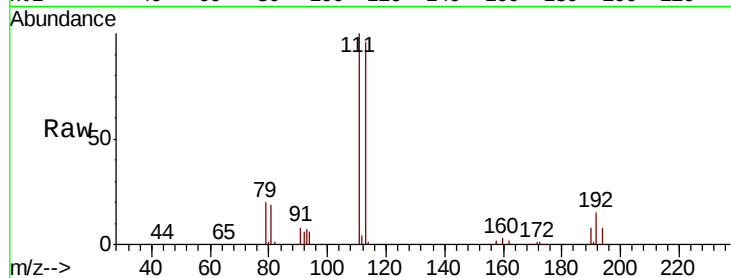
Tot Ion:113 Resp: 472721

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.2	121.8
192	16.1	12.9	19.3

113 100

111 104.4 81.2 121.8

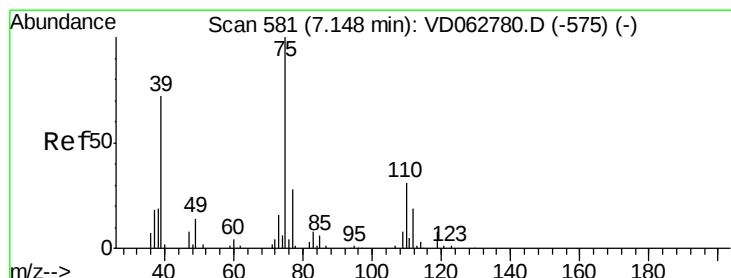
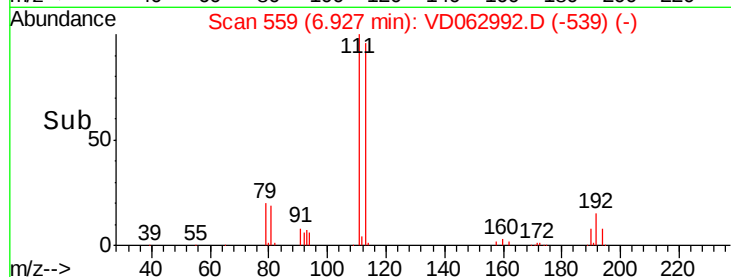
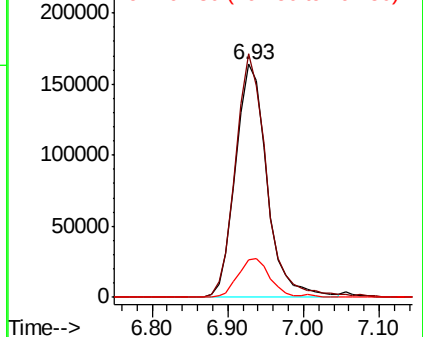
192 16.1 12.9 19.3



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: 5.393 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

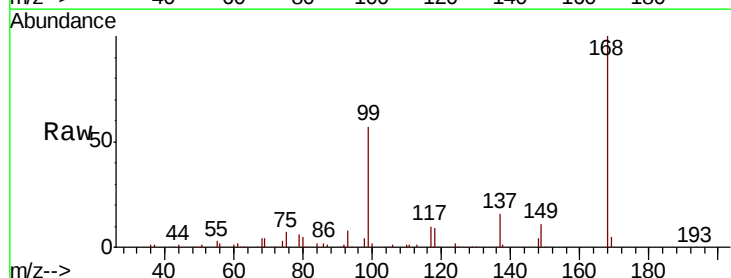
Tgt Ion: 75 Resp: 63313

Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.0	45.1#
77	0.0	22.2	33.2#

75 100

110 9.2 15.0 45.1#

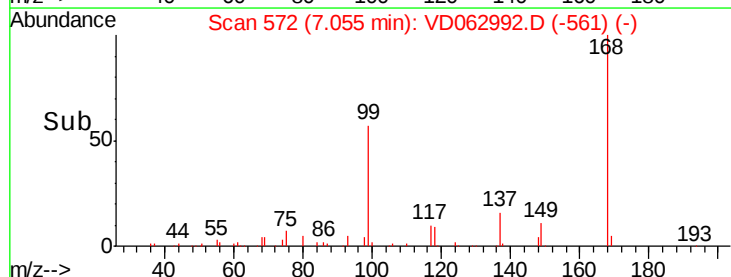
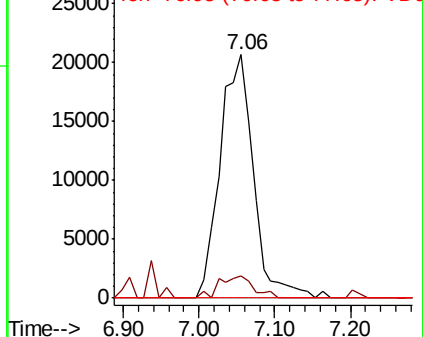
77 0.0 22.2 33.2#

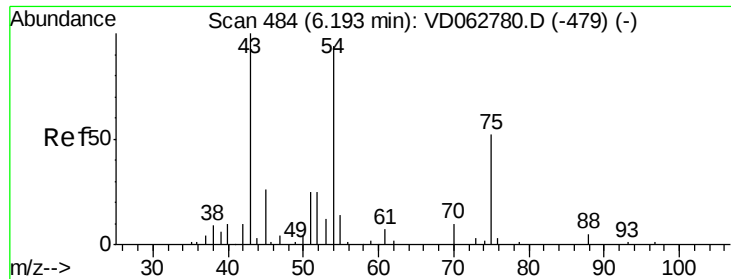


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

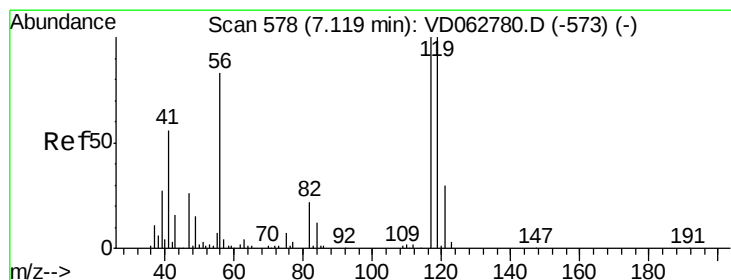
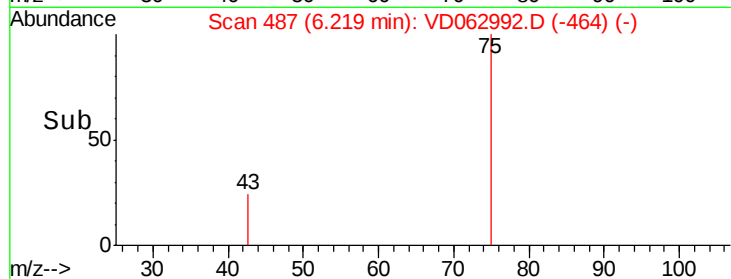
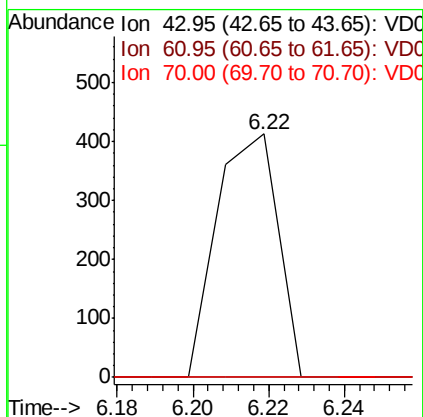
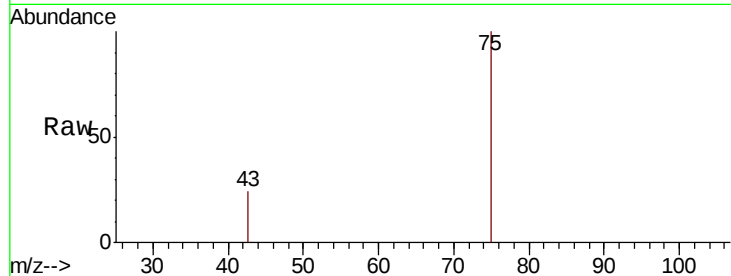




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.22 min Scan# 487
Delta R.T. 0.03 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

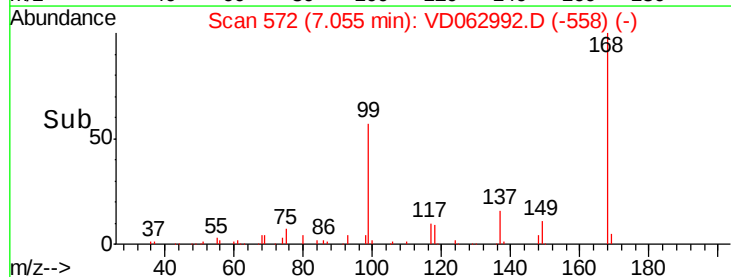
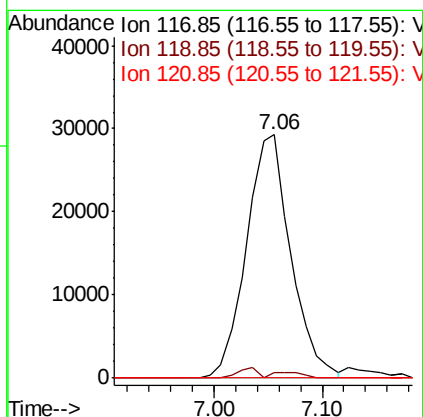
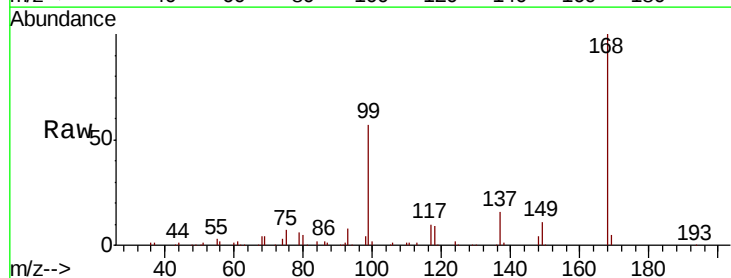
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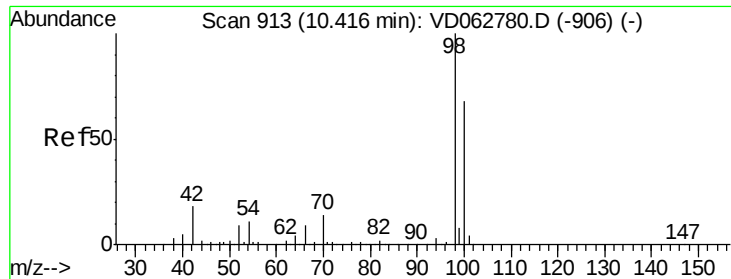
Tot Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 4.720 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

Tgt Ion: 117 Resp: 83345
Ion Ratio Lower Upper
117 100
119 2.0 75.4 113.2#
121 0.0 22.3 33.5#





#50

Toluene-d8

Concen: 43.121 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

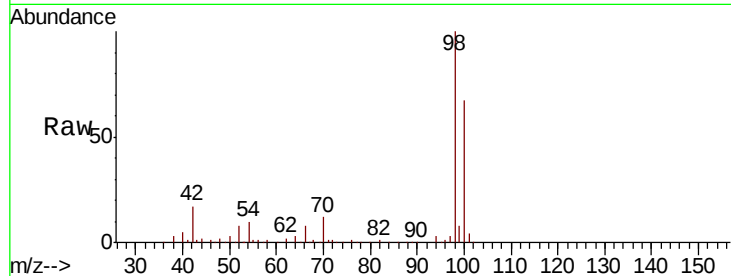
EO-01-062819-C

Tot Ion: 98 Resp: 981410

Ion Ratio Lower Upper

98 100

100 67.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

400000

300000

200000

100000

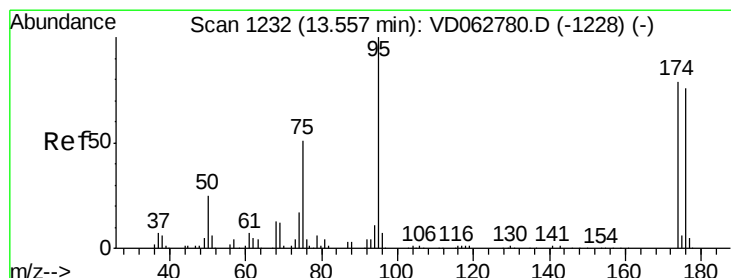
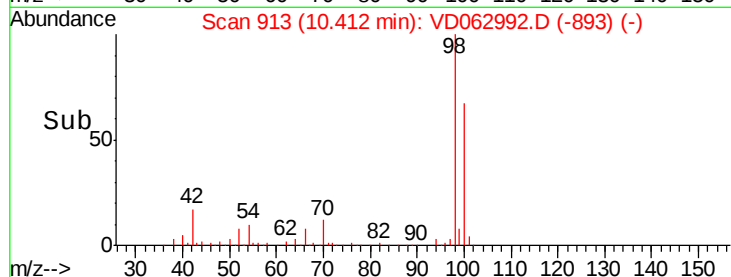
0

Time-->

10.30

10.40

10.50



#62

4-Bromofluorobenzene

Concen: 37.858 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

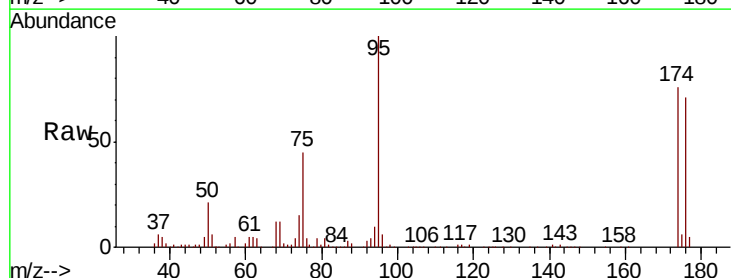
Tgt Ion: 95 Resp: 391789

Ion Ratio Lower Upper

95 100

174 75.9 0.0 158.0

176 70.8 0.0 151.6



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

400000

300000

200000

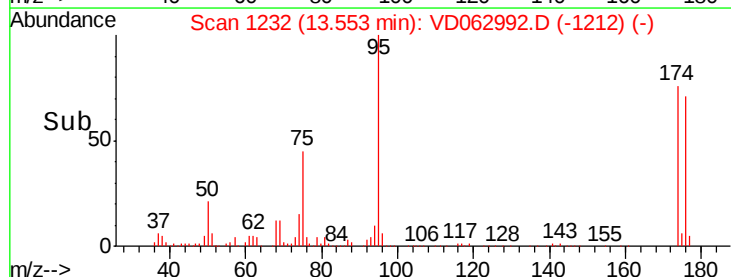
100000

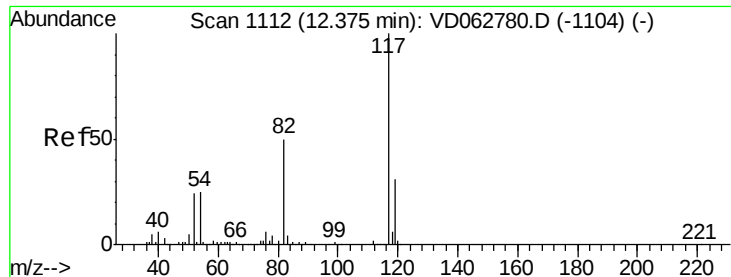
0

Time-->

13.50

13.60

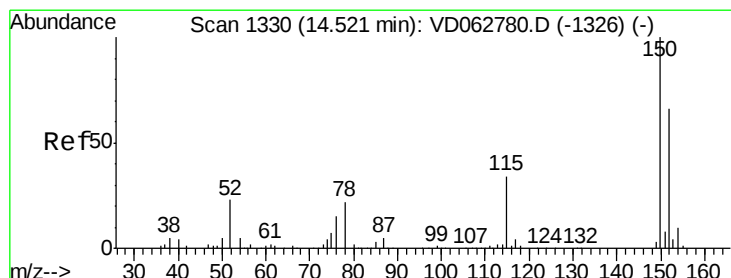
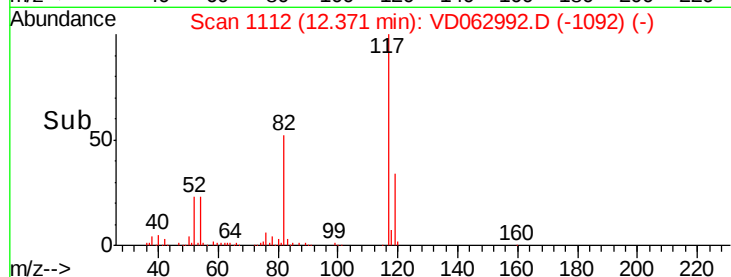
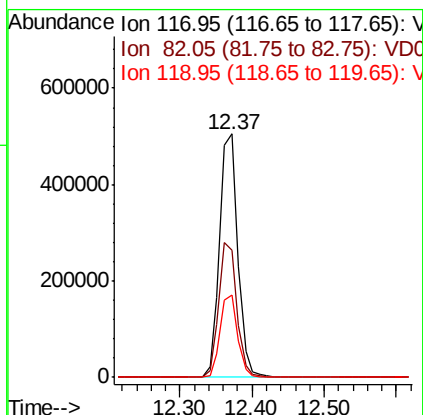
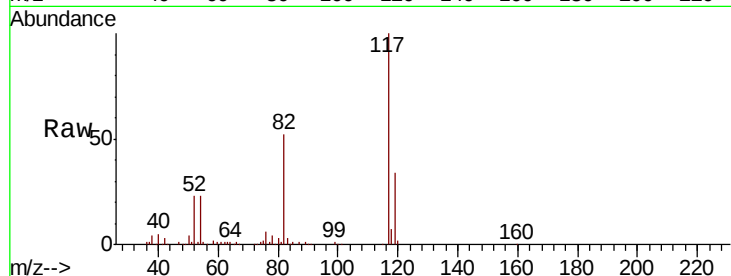




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

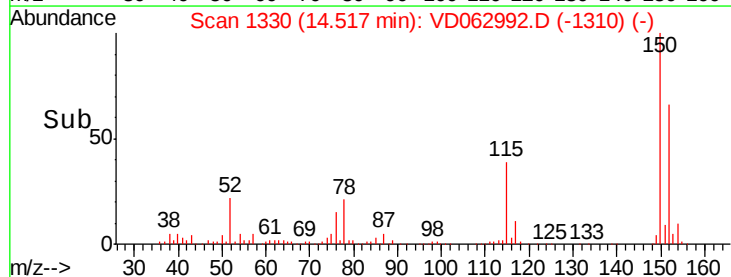
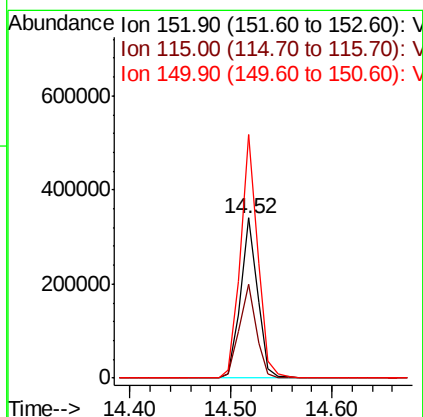
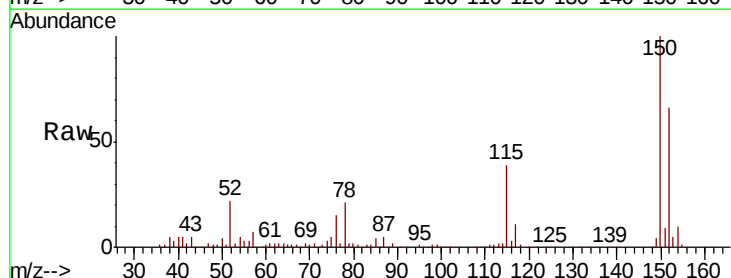
Instrument :
MSVOA_D
ClientSampleId :
EO-01-062819-C

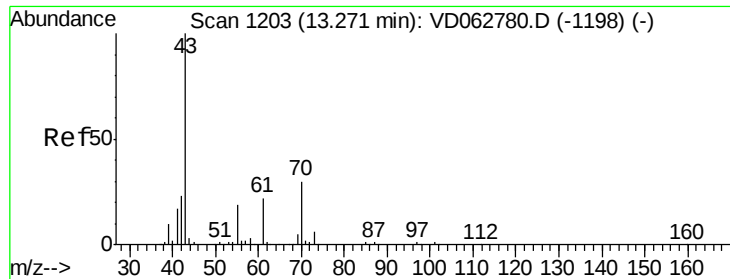
Tot Ion:117 Resp: 876536
Ion Ratio Lower Upper
117 100
82 52.4 40.4 60.6
119 33.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

Tgt Ion:152 Resp: 400389
Ion Ratio Lower Upper
152 100
115 58.9 29.2 87.6
150 152.3 0.0 305.8





#74

N-amvl acetate

Concen: 1.166 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.05 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

EO-01-062819-C

Tot Ion: 43 Resp: 7271

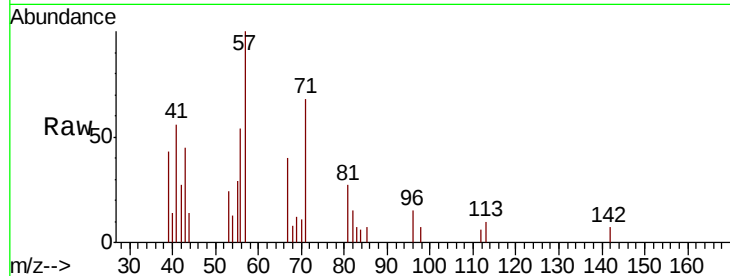
Ion Ratio Lower Upper

43 100

70 23.9 24.4 36.6#

55 65.0 15.2 22.8#

61 0.0 17.4 26.2#

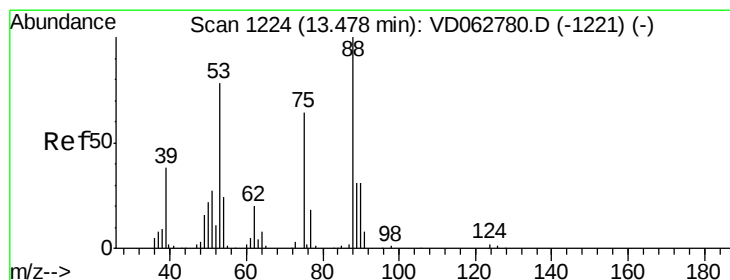
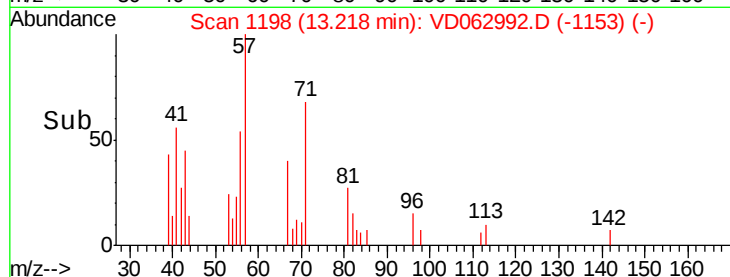
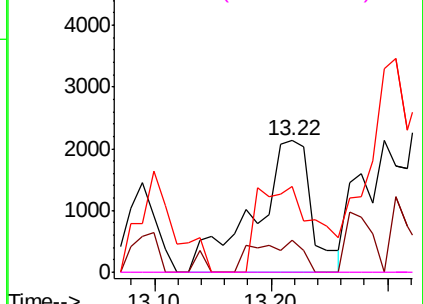


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#81

trans-1,4-Dichloro-2-butene

Concen: 146.614 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

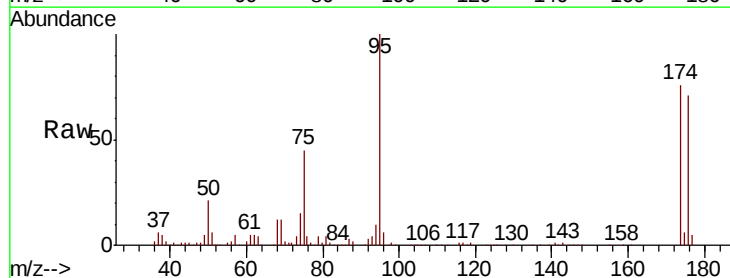
Tgt Ion: 75 Resp: 177609

Ion Ratio Lower Upper

75 100

53 0.2 97.8 146.8#

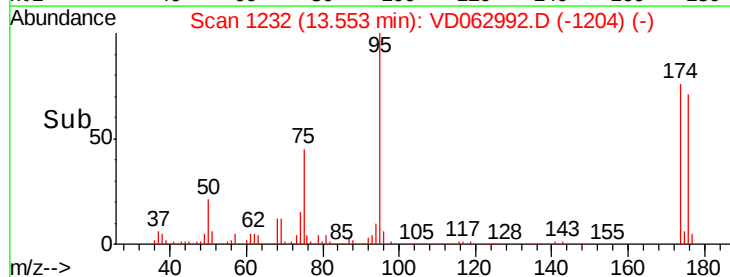
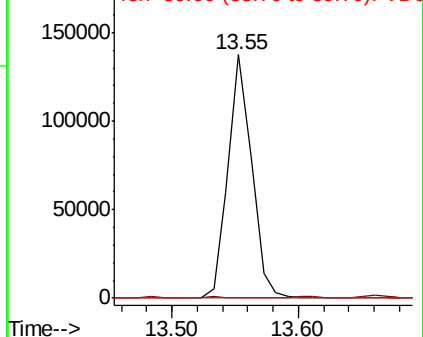
89 0.0 39.4 59.2#

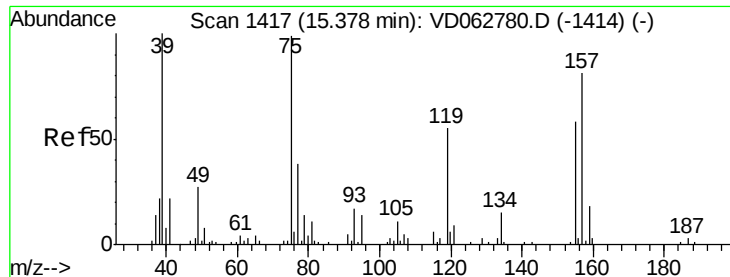


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.231 ug/l

RT: 15.35 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

EO-01-062819-C

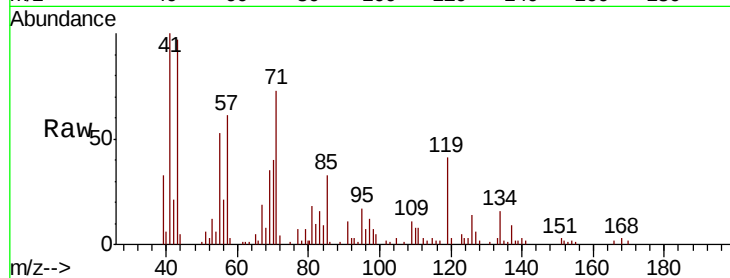
Tot Ion: 75 Resp: 1005

Ion Ratio Lower Upper

75 100

155 71.8 29.3 87.8

157 0.0 41.3 123.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

