

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062429.D
 Acq On : 16 May 2019 20:43
 Operator : FY/SY
 Sample : K2644-03
 Misc : 6.46g/5mL/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: May 17 02:31:33 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	632112	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	895314	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	694257	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	331533	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	258406	43.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	87.98%	
35) Dibromofluoromethane	6.93	113	326105	43.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	87.80%	
50) Toluene-d8	10.41	98	655633	36.61	ug/l	0.01
Spiked Amount 50.000			Recovery	=	73.22%	
62) 4-Bromofluorobenzene	13.56	95	295010	41.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	82.04%	

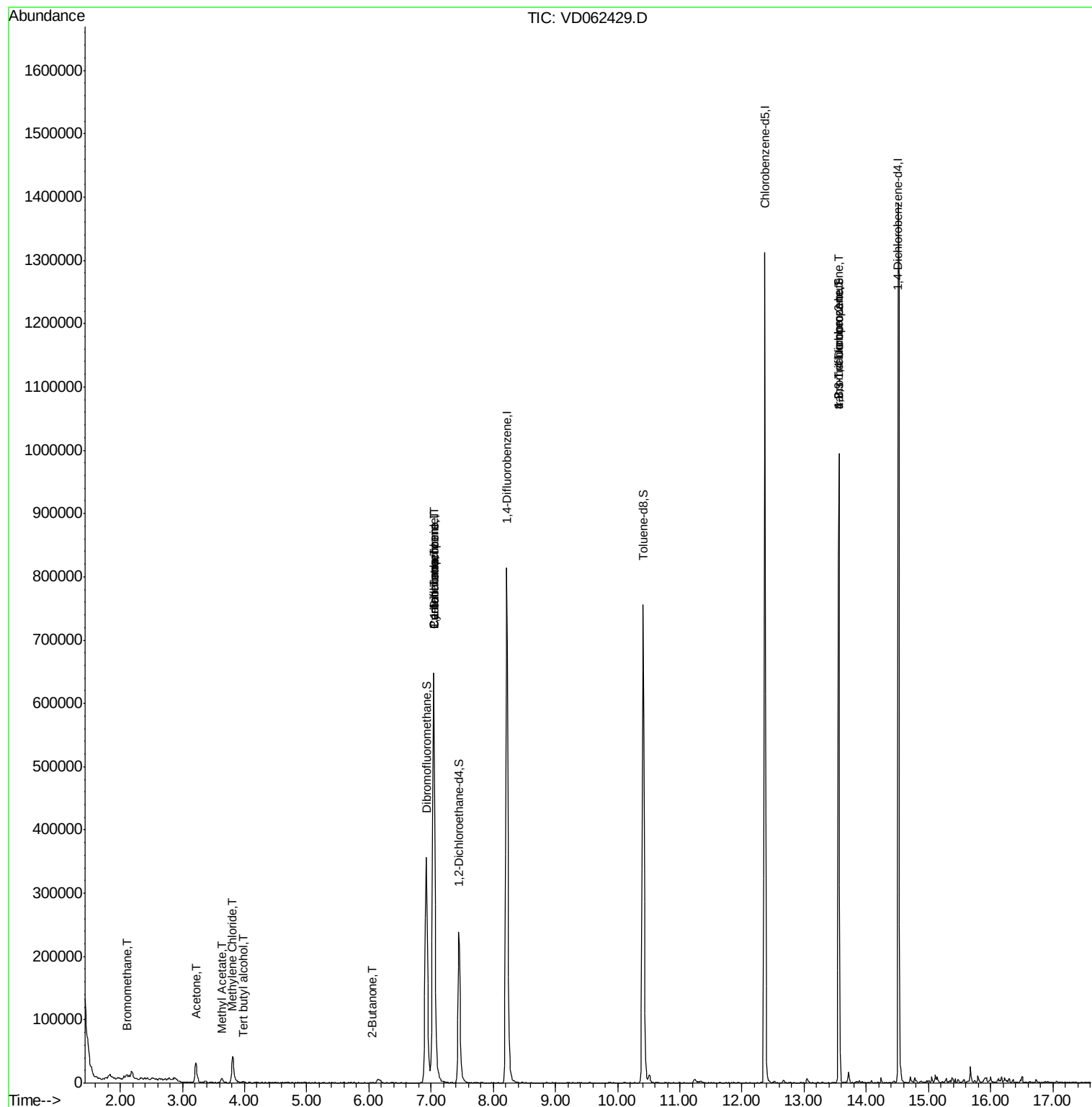
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.12	94	1108	1.101	ug/l #	12
11) Tert butyl alcohol	3.97	59	1287	4.292	ug/l #	76
16) Acetone	3.22	43	56915	46.201	ug/l	92
18) Methyl Acetate	3.64	43	13234	5.738	ug/l	96
20) Methylene Chloride	3.82	84	27100	5.269	ug/l	92
25) 2-Butanone	6.05	43	1573	1.171	ug/l #	56
31) Cyclohexane	7.04	56	12542	2.035	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	47988	6.537	ug/l #	47
38) Carbon Tetrachloride	7.03	117	60710	5.975	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	111599	28.325	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	123662	111.178	ug/l #	16

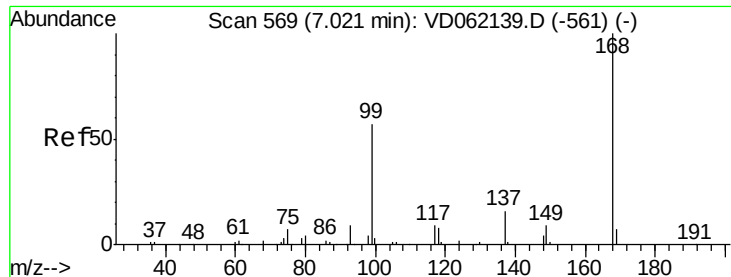
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062429.D

Acq: 16 May 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

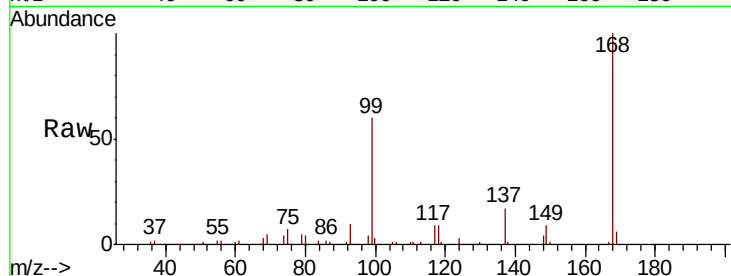
EO-01-051519-B

Tot Ion:168 Resp: 632112

Ion Ratio Lower Upper

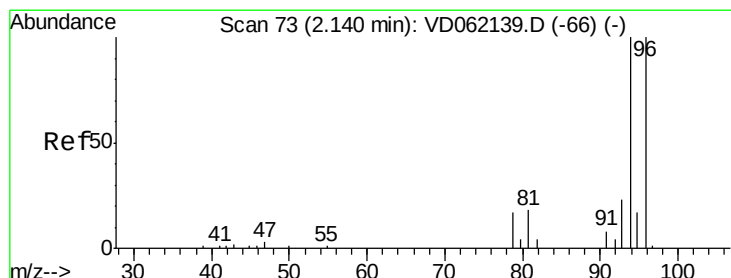
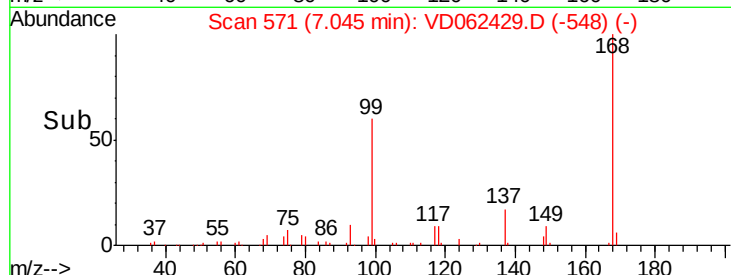
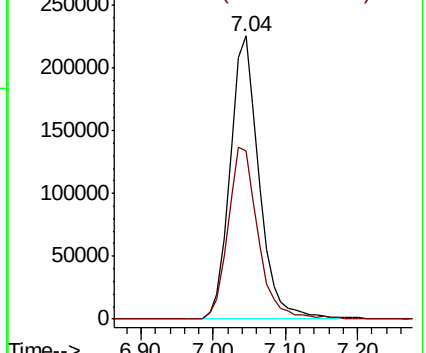
168 100

99 59.5 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: 1.101 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062429.D

Acq: 16 May 2019 20:43

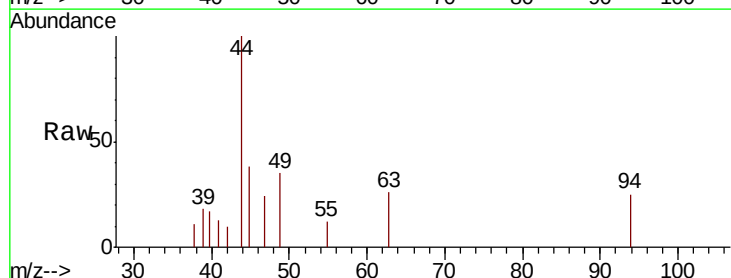
Tgt Ion: 94 Resp: 1108

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

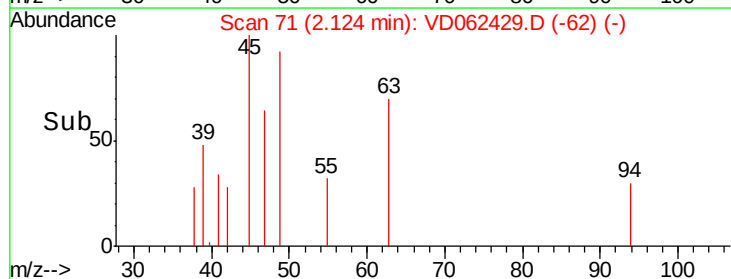
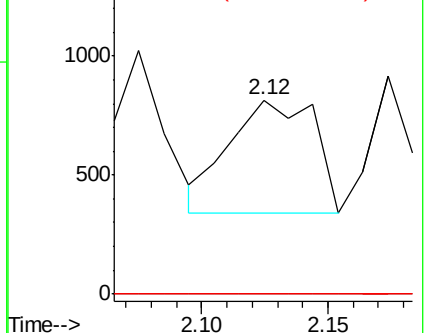
93 0.0 18.5 27.7#

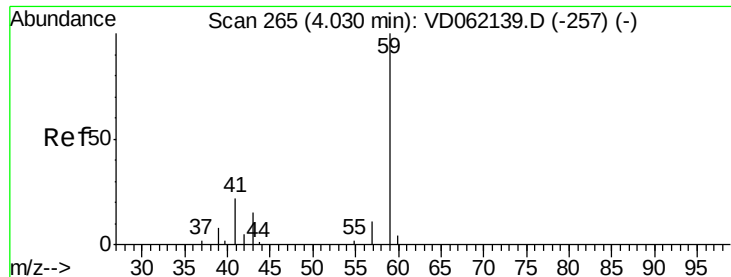


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



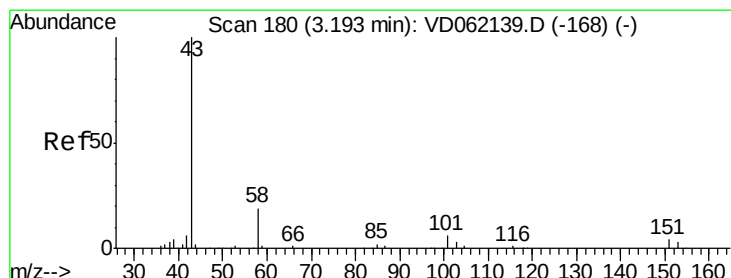
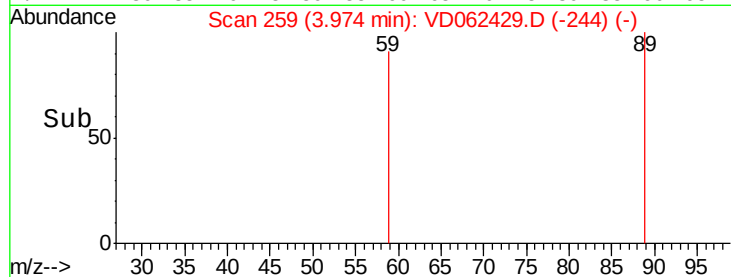
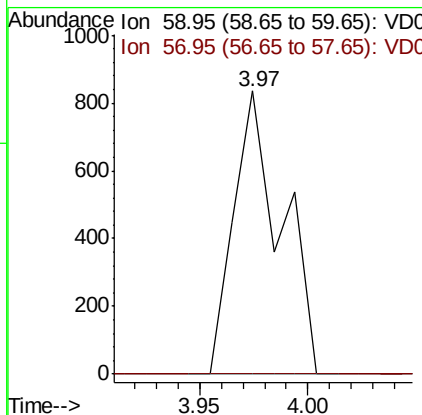
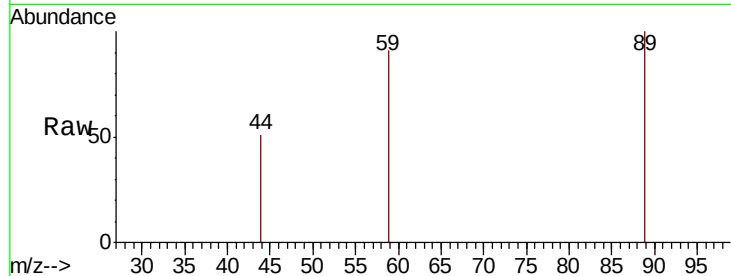


#11

Tert butyl alcohol
 Concen: 4.292 ug/l
 RT: 3.97 min Scan# 259
 Delta R.T. -0.06 min
 Lab File: VD062429.D
 Acq: 16 May 2019 20:43

Instrument :
 MSVOA_D
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 EO-01-051519-B

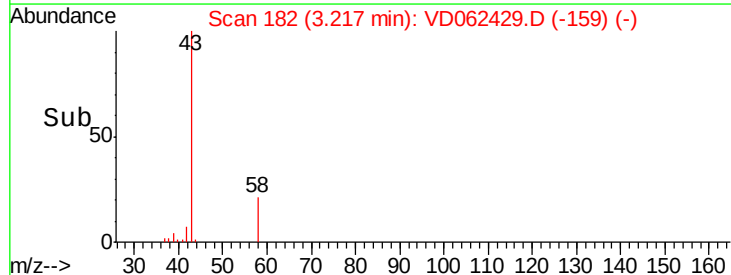
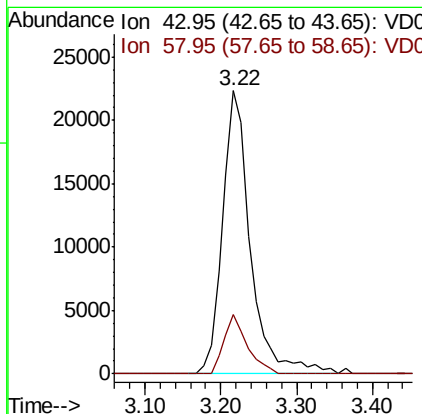
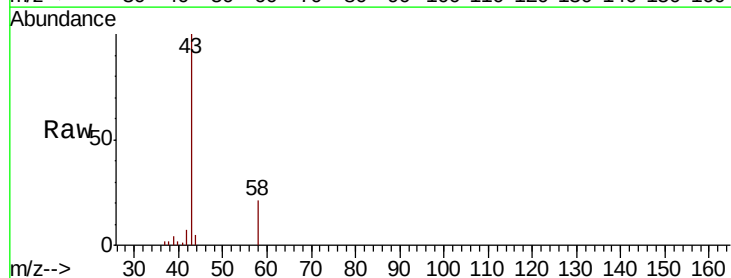
Tot Ion: 59 Resp: 1287
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

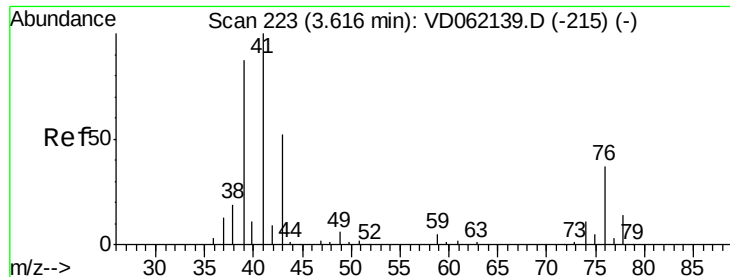


#16

Acetone
 Concen: 46.201 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.02 min
 Lab File: VD062429.D
 Acq: 16 May 2019 20:43

Tgt Ion: 43 Resp: 56915
 Ion Ratio Lower Upper
 43 100
 58 20.8 19.9 29.9

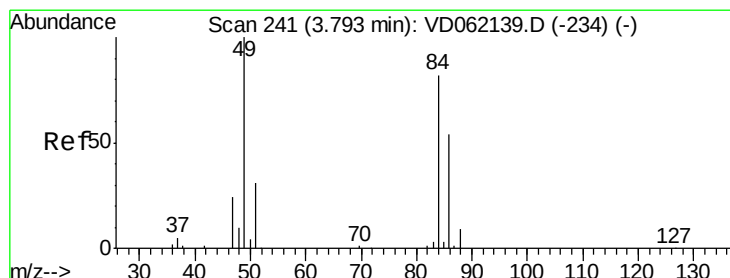
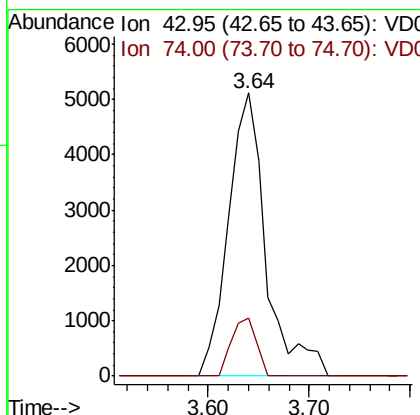
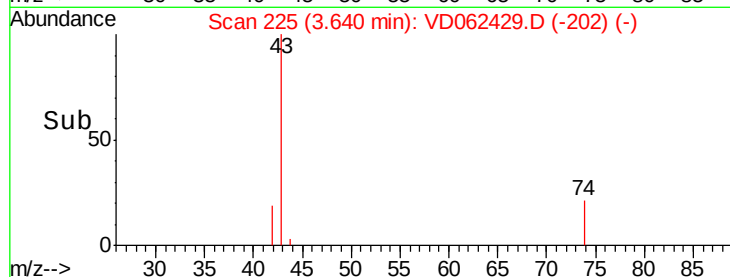
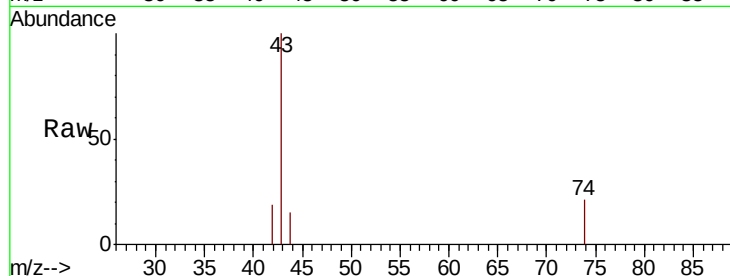




#18
Methyl Acetate
Concen: 5.738 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD062429.D
Acq: 16 May 2019 20:43

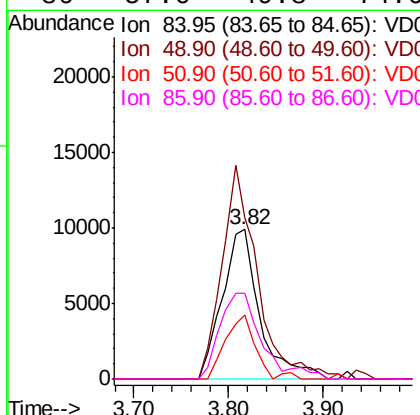
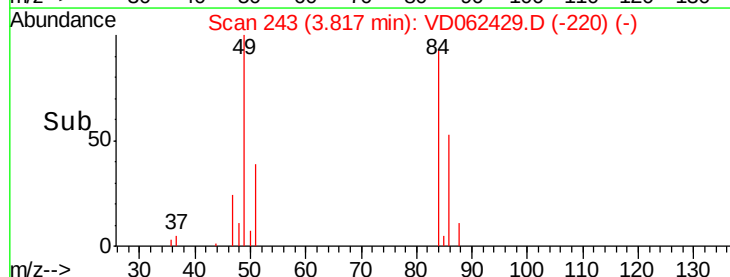
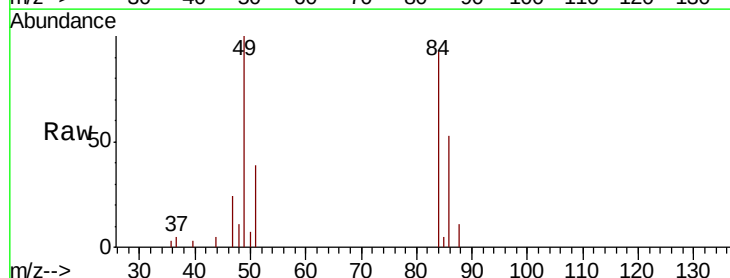
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051519-B

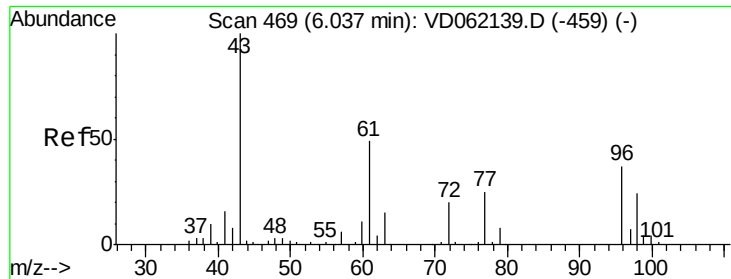
Tot Ion: 43 Resp: 13234
Ion Ratio Lower Upper
43 100
74 20.5 18.0 27.0



#20
Methylene Chloride
Concen: 5.269 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062429.D
Acq: 16 May 2019 20:43

Tgt Ion: 84 Resp: 27100
Ion Ratio Lower Upper
84 100
49 107.9 94.0 141.0
51 42.6 29.0 43.4
86 57.6 49.8 74.6

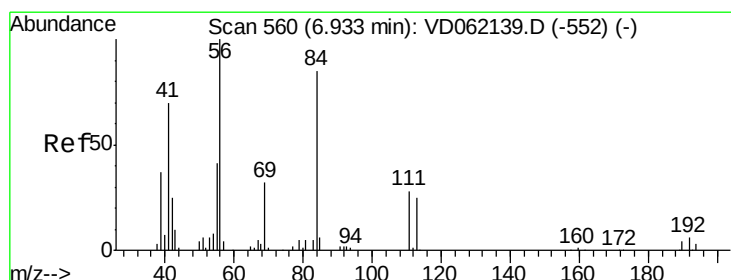
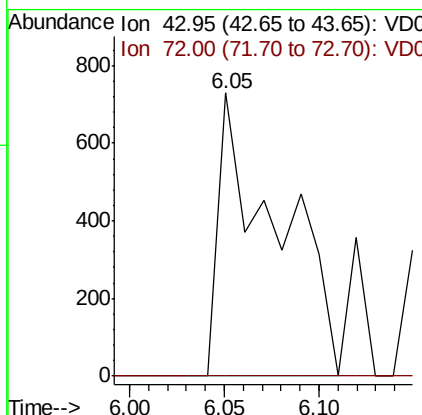
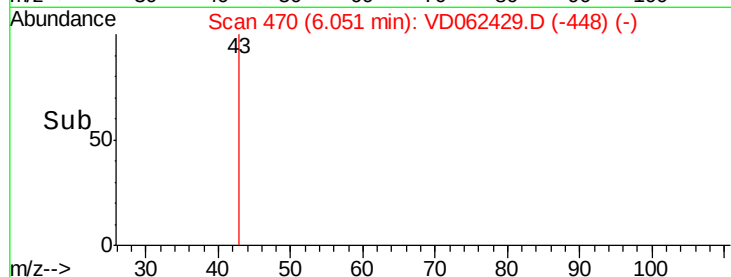
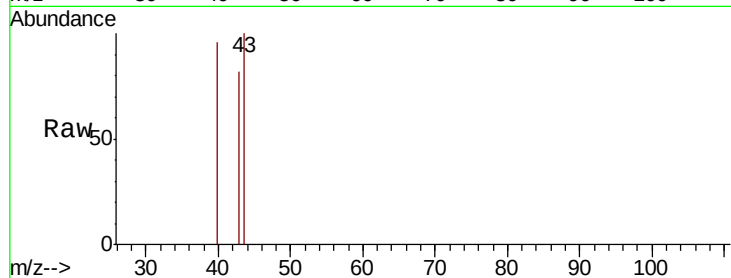




#25
2-Butanone
Concen: 1.171 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD062429.D
Acq: 16 May 2019 20:43

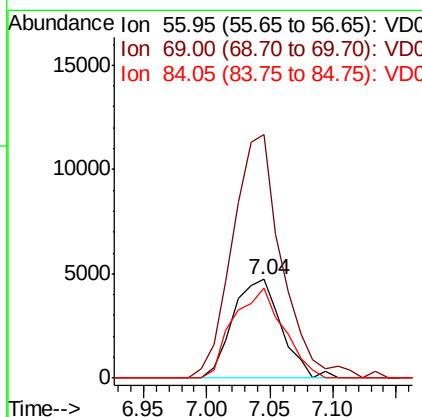
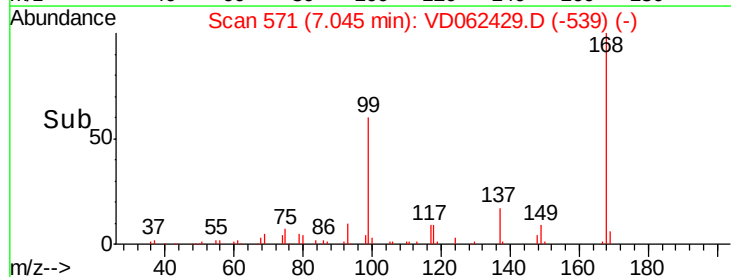
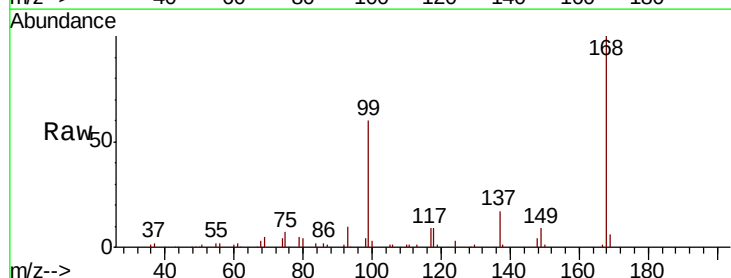
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051519-B

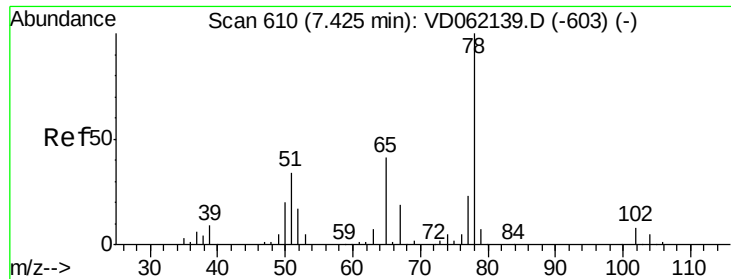
Tot Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#31
Cyclohexane
Concen: 2.035 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062429.D
Acq: 16 May 2019 20:43

Tgt Ion: 56 Resp: 12542
Ion Ratio Lower Upper
56 100
69 246.3 25.8 38.6#
84 90.5 72.2 108.4

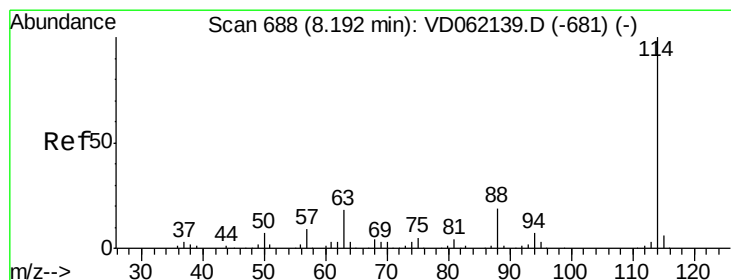
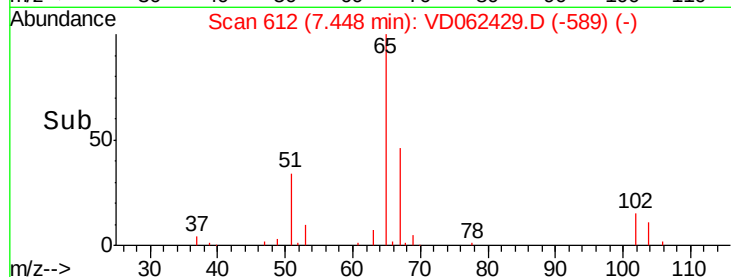
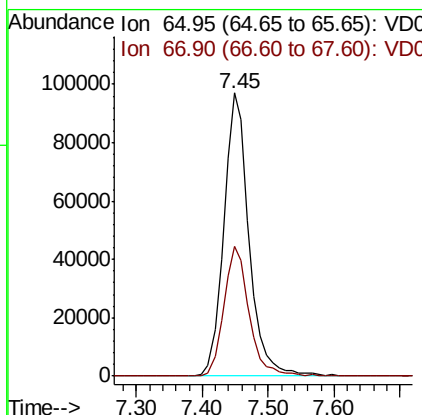
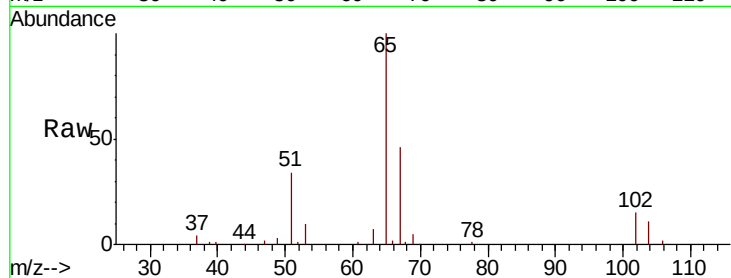




#33
 1,2-Dichloroethane-d4
 Concen: 43.989 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD062429.D
 Acq: 16 May 2019 20:43

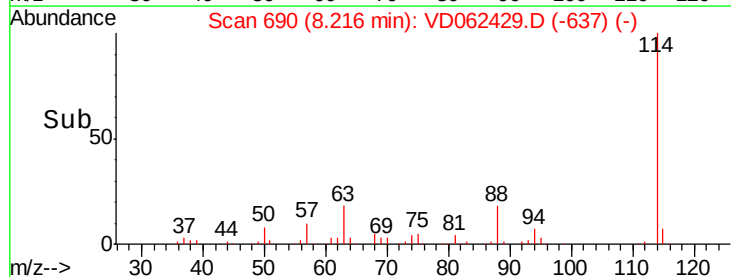
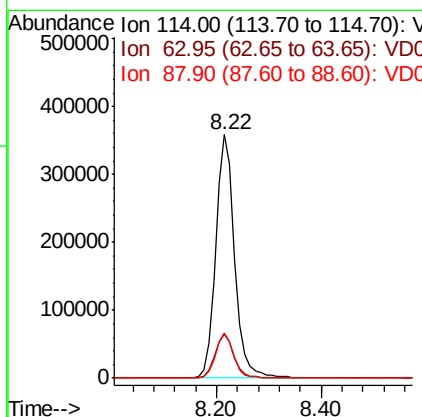
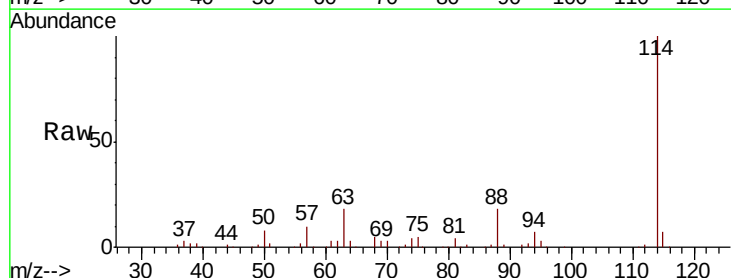
Instrument :
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 EO-01-051519-B

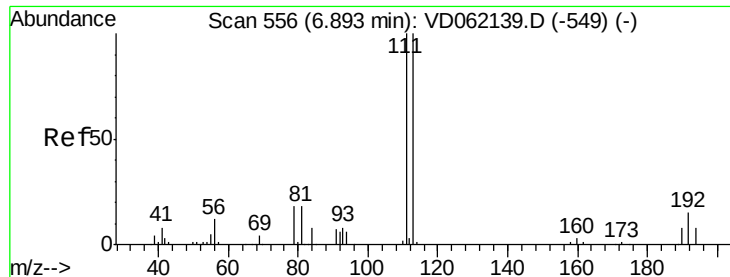
Tot Ion: 65 Resp: 258406
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062429.D
 Acq: 16 May 2019 20:43

Tgt Ion: 114 Resp: 895314
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 32.4
 88 18.4 0.0 33.6

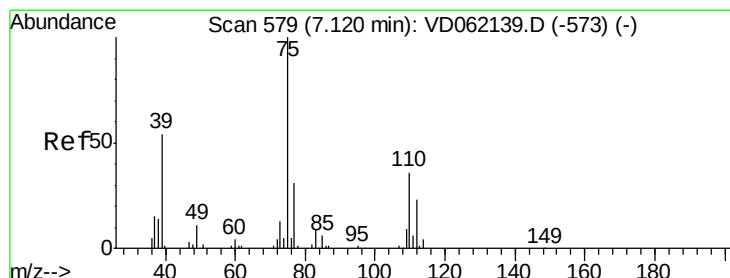
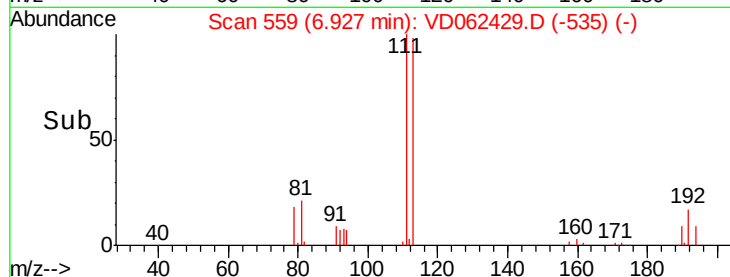
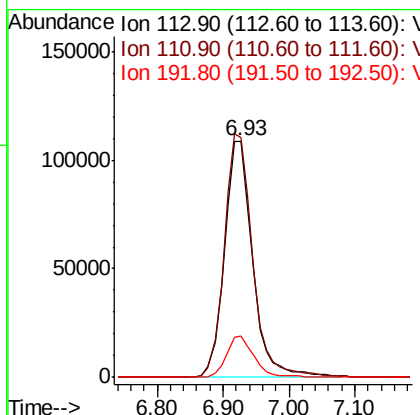
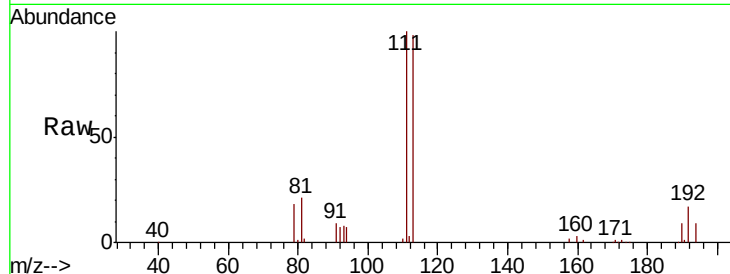




#35
 Dibromofluoromethane
 Concen: 43.899 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062429.D
 Acq: 16 May 2019 20:43

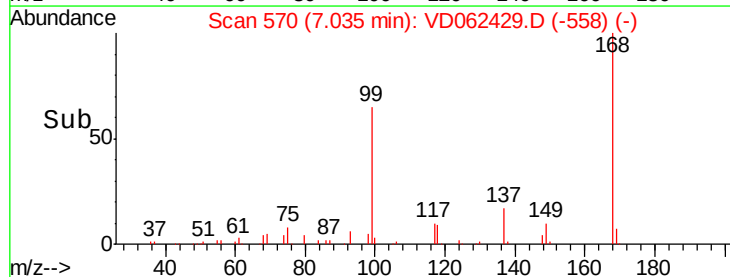
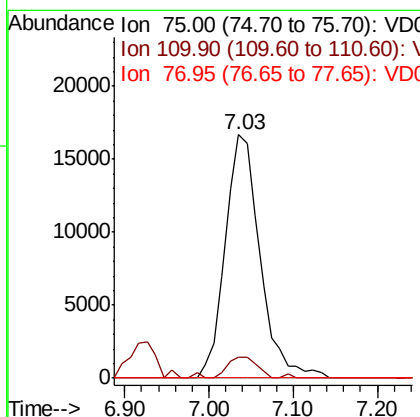
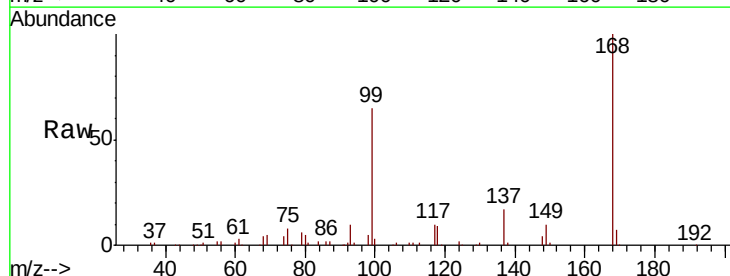
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 MSVOA_D
 ClientSampleId :
 EO-01-051519-B

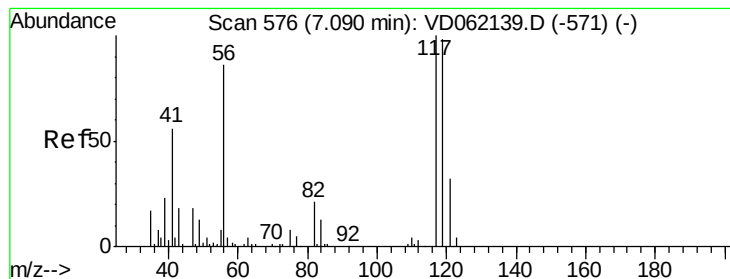
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	78.5	117.7
192	17.6	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 6.537 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD062429.D
 Acq: 16 May 2019 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	19.1	57.1#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 5.975 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD062429.D

Acq: 16 May 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

EO-01-051519-B

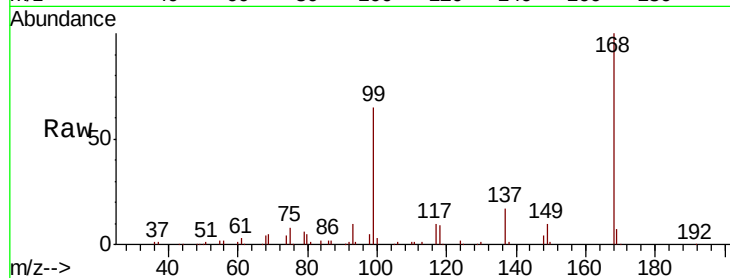
Tot Ion:117 Resp: 60710

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

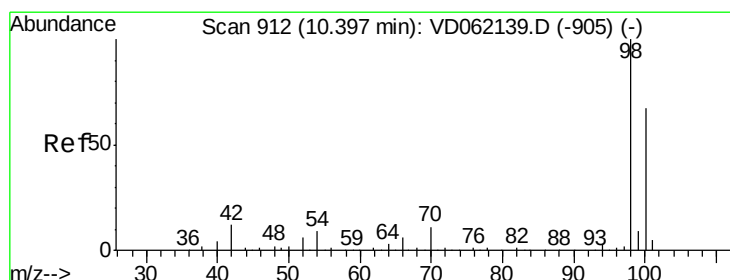
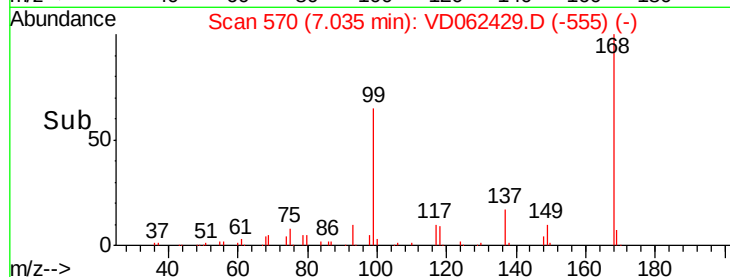
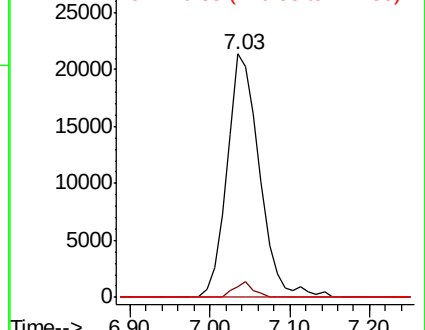
121 0.0 25.9 38.9#



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: 36.606 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062429.D

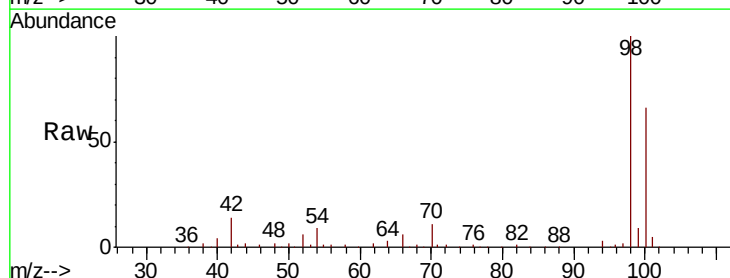
Acq: 16 May 2019 20:43

Tgt Ion: 98 Resp: 655633

Ion Ratio Lower Upper

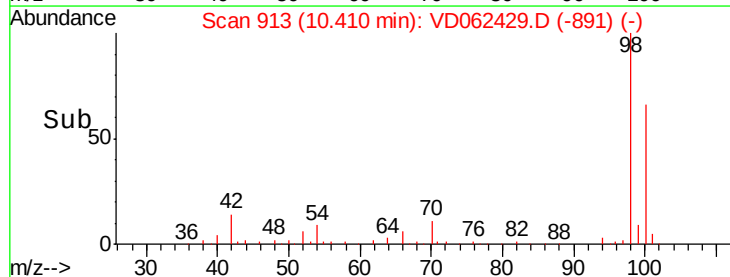
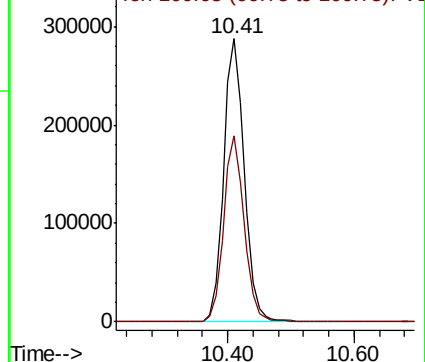
98 100

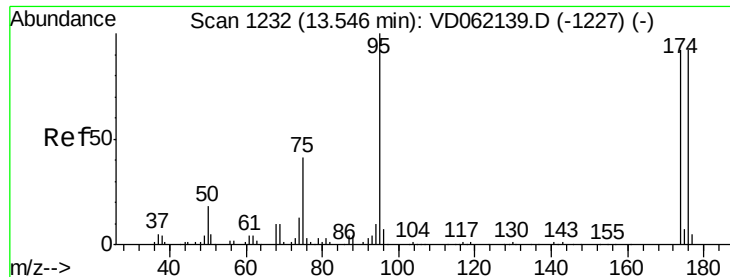
100 65.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 41.018 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062429.D

Acq: 16 May 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

EO-01-051519-B

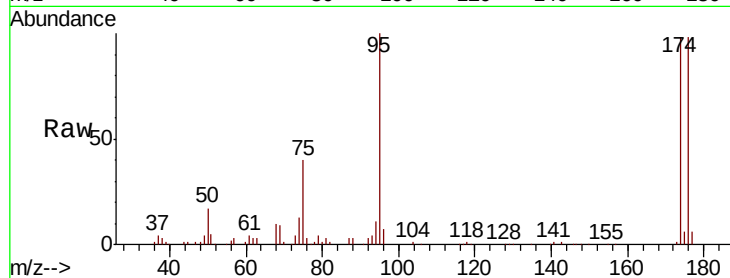
Tot Ion: 95 Resp: 295010

Ion Ratio Lower Upper

95 100

174 98.3 0.0 181.8

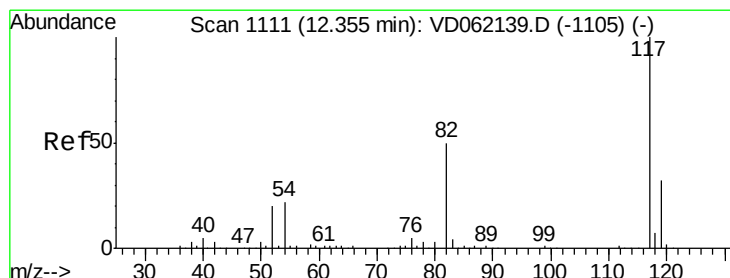
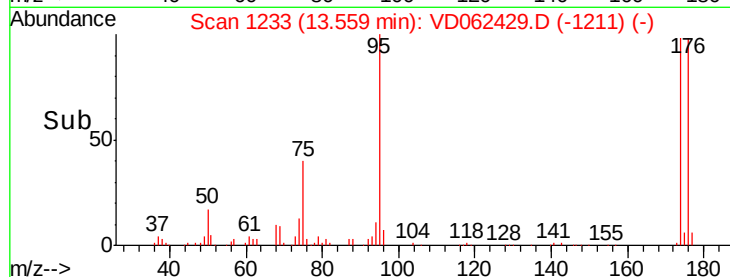
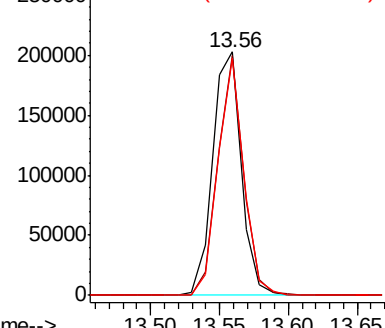
176 97.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: VD062429.D

Acq: 16 May 2019 20:43

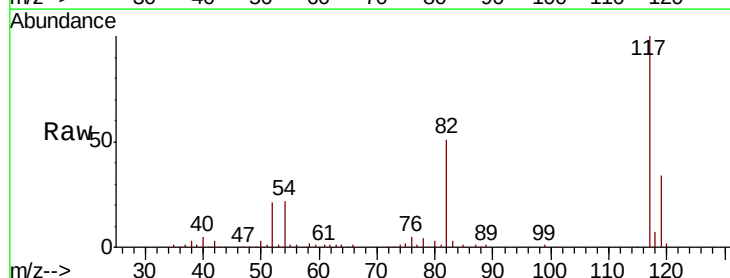
Tgt Ion: 117 Resp: 694257

Ion Ratio Lower Upper

117 100

82 51.5 36.2 54.2

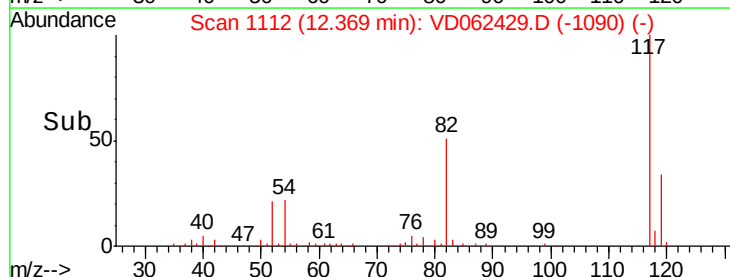
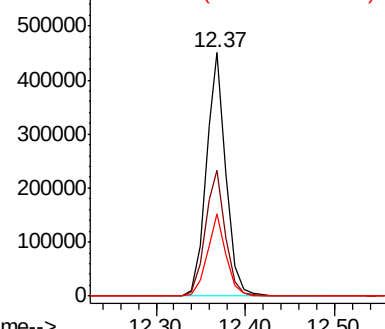
119 33.7 26.2 39.4

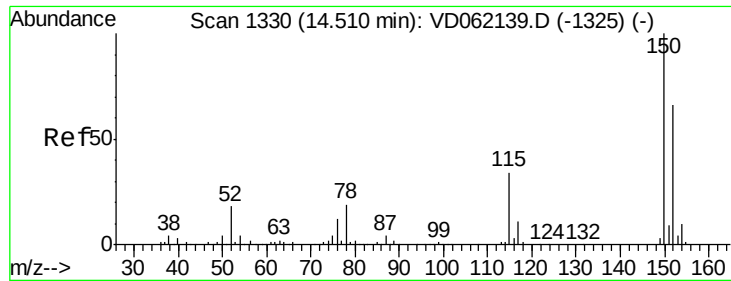


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062429.D

Acq: 16 May 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

EO-01-051519-B

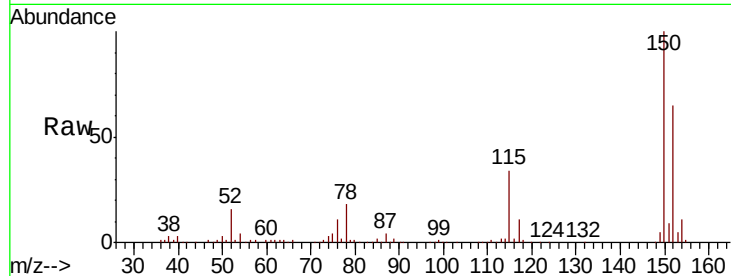
Tot Ion:152 Resp: 331533

Ion Ratio Lower Upper

152 100

115 52.6 30.9 92.7

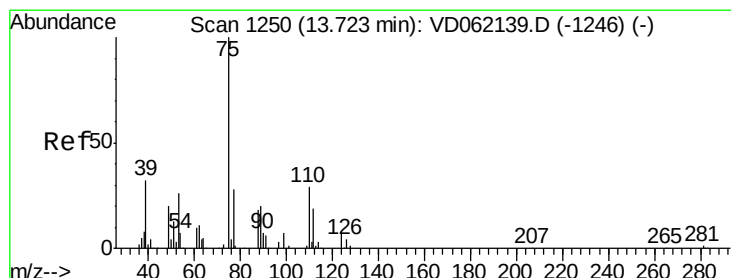
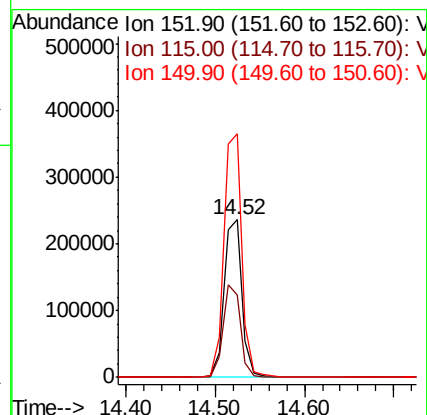
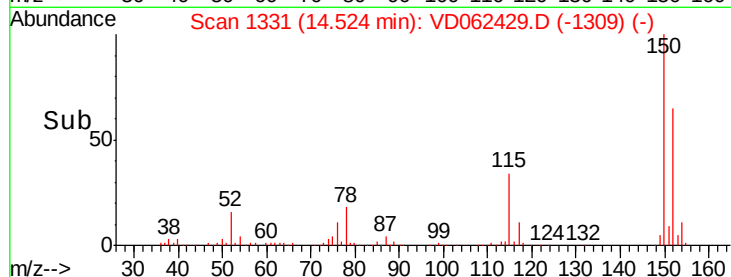
150 154.6 0.0 314.8



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: 28.325 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062429.D

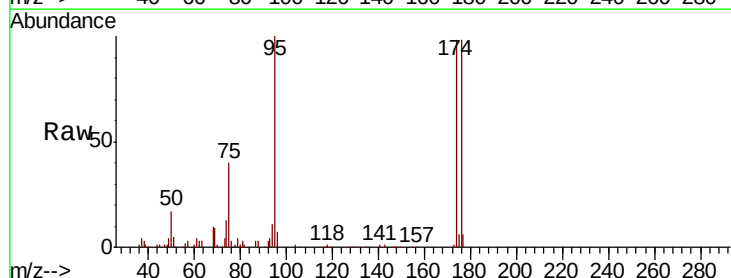
Acq: 16 May 2019 20:43

Tgt Ion: 75 Resp: 111599

Ion Ratio Lower Upper

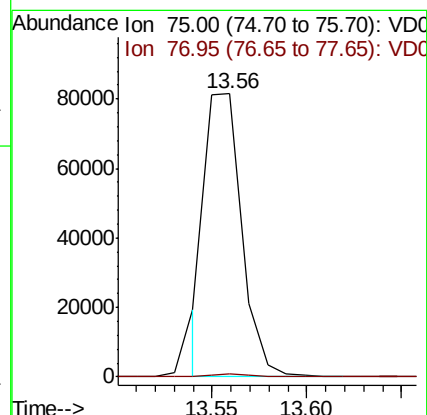
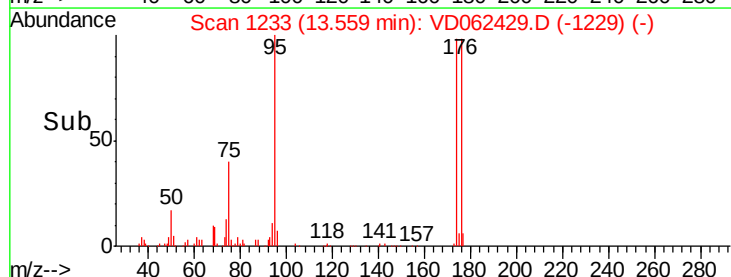
75 100

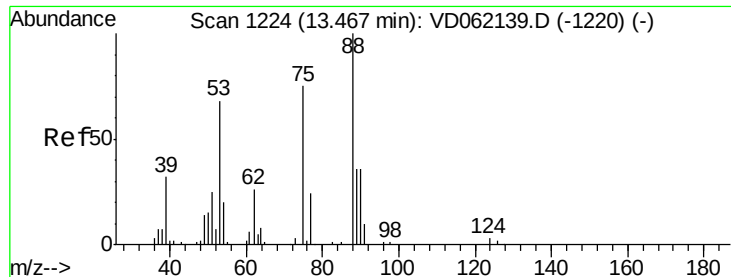
77 1.1 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.178 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062429.D

Acq: 16 May 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

EO-01-051519-B

Tot Ion: 75 Resp: 123662

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

