

Data File : VX012184.D
Acq On : 07 Sep 2019 18:55
Operator : SY/SP
Sample : K4602-14
Misc : 5.90g/5.0mL/MSVOA_X/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-D1-(0)

Quant Time: Sep 08 07:44:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	145477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	252030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100506	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	5.48	113	74613	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	8.71	98	297145	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.14	95	112600	42.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.14%	

Target Compounds

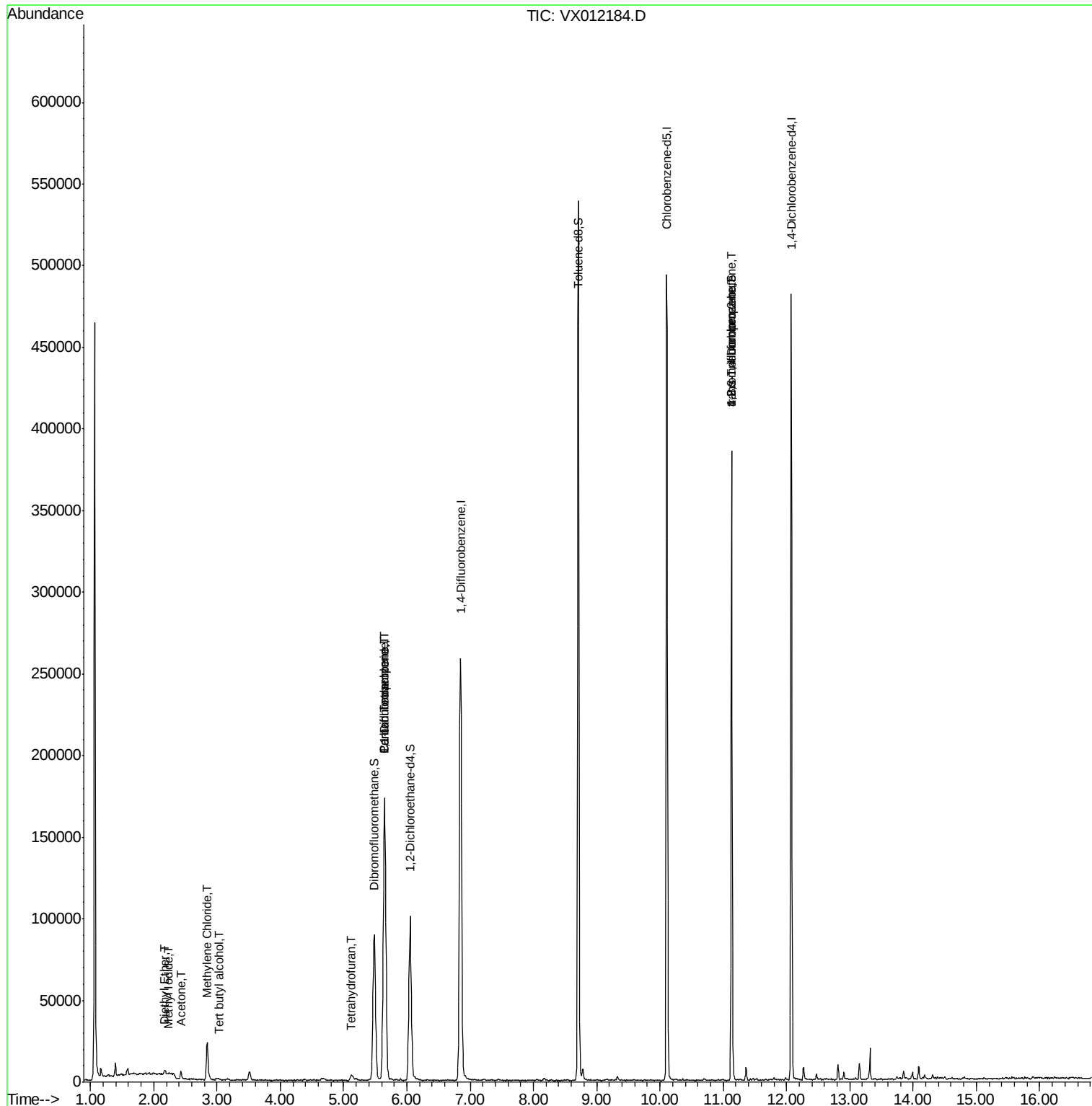
						Qvalue
8) Diethyl Ether	2.17	74	906	1.306	ug/l	94
10) Methyl Iodide	2.23	142	19	6.999	ug/l #	40
11) Tert butyl alcohol	3.02	59	1313	6.810	ug/l	99
13) Acrolein	2.27	56	68	Below Cal	#	1
16) Acetone	2.43	43	4776	9.954	ug/l	97
20) Methylene Chloride	2.84	84	10565	5.484	ug/l	91
29) Tetrahydrofuran	5.12	42	3541	9.623	ug/l	93
36) 1,1-Dichloropropene	5.64	75	13293	5.988	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17268	7.383	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59517	55.949	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	59517	132.273	ug/l #	10

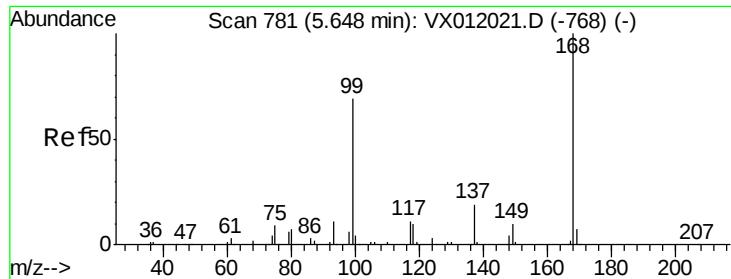
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012184.D

Acq: 07 Sep 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

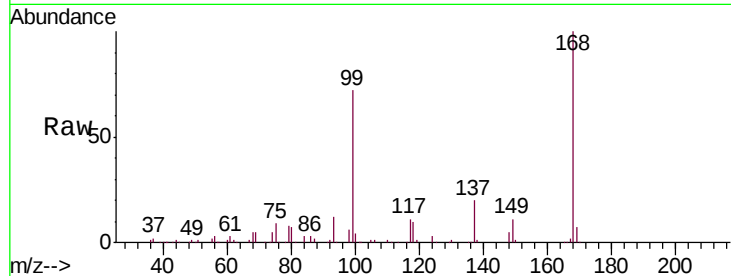
PAR-D1-(0)

Tgt Ion:168 Resp: 145477

Ion Ratio Lower Upper

168 100

99 72.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

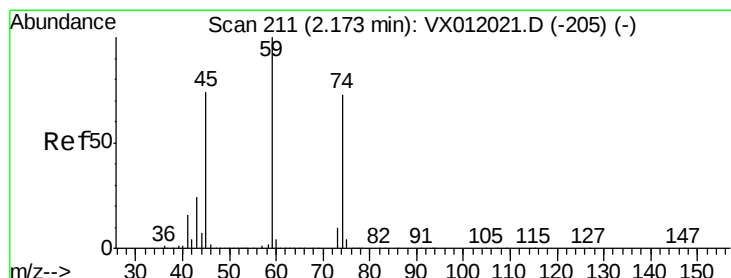
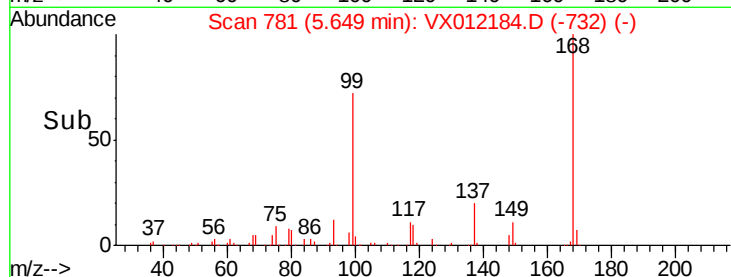
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.306 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012184.D

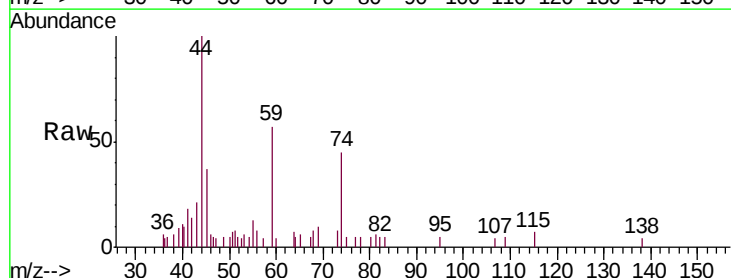
Acq: 07 Sep 2019 18:55

Tgt Ion: 74 Resp: 906

Ion Ratio Lower Upper

74 100

45 97.0 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

600

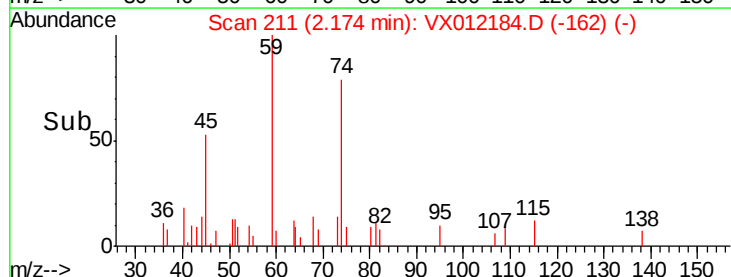
400

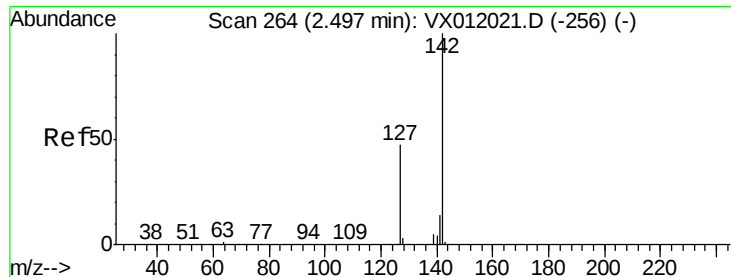
200

0

Time-->

2.15 2.20

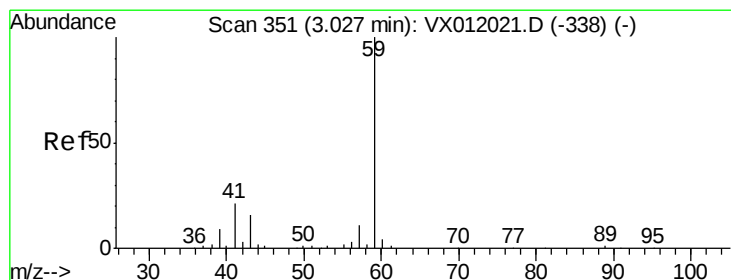
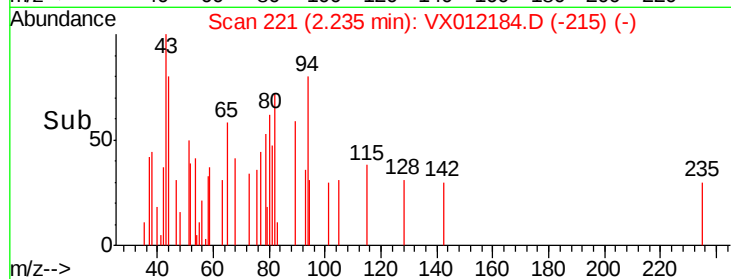
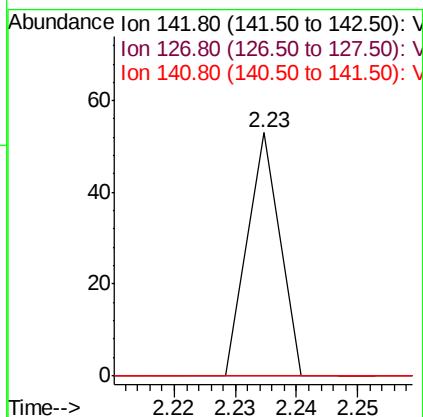
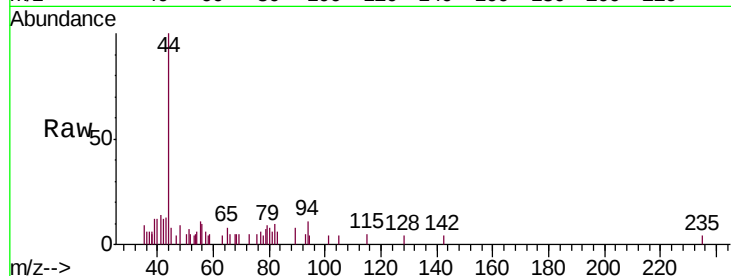




#10
Methyl Iodide
Concen: 6.999 ug/l
RT: 2.23 min Scan# 221
Delta R.T. -0.26 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

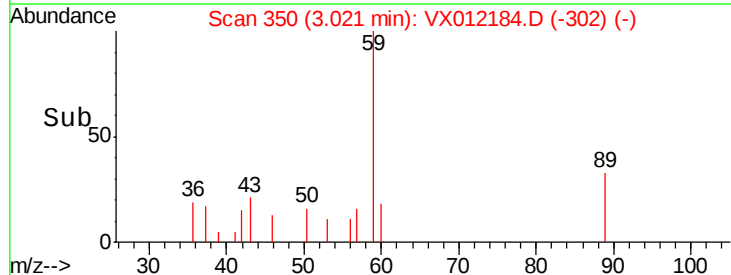
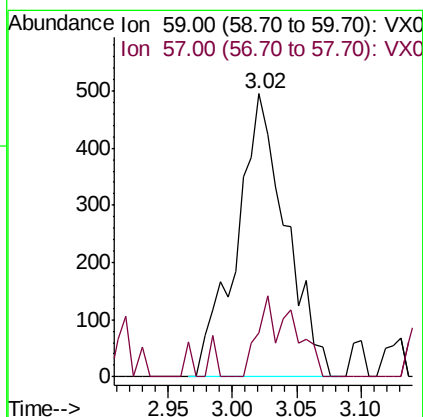
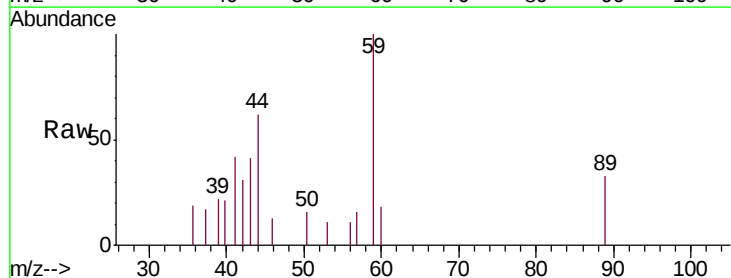
Instrument :
MSVOA_X
ClientSampleId :
PAR-D1-(0)

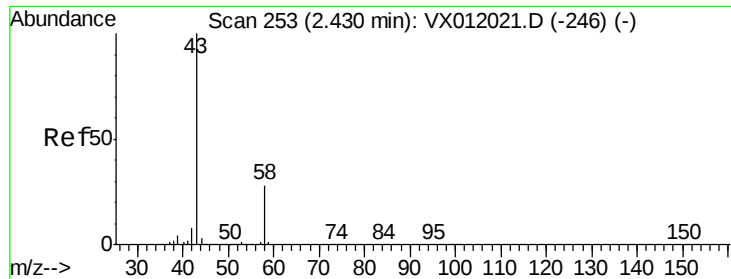
Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 6.810 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

Tgt Ion: 59 Resp: 1313
Ion Ratio Lower Upper
59 100
57 9.4 7.9 11.9





#16

Acetone

Concen: 9.954 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012184.D

Acq: 07 Sep 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

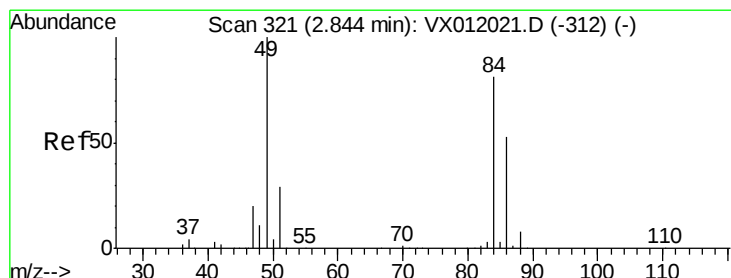
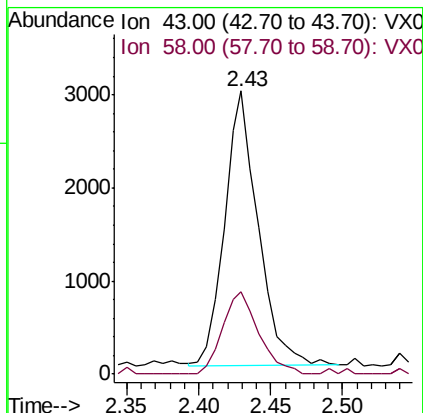
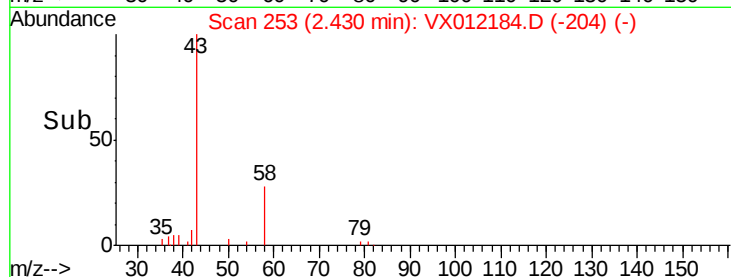
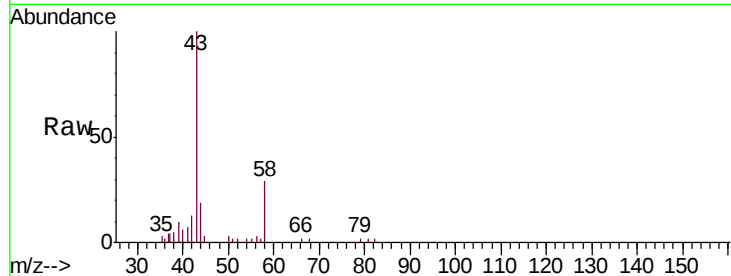
PAR-D1-(0)

Tgt Ion: 43 Resp: 4776

Ion Ratio Lower Upper

43 100

58 30.2 22.8 34.2



#20

Methylene Chloride

Concen: 5.484 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012184.D

Acq: 07 Sep 2019 18:55

Tgt Ion: 84 Resp: 10565

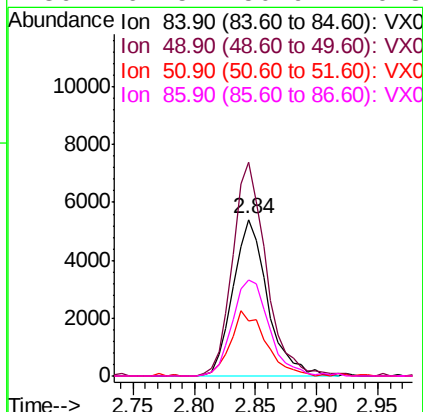
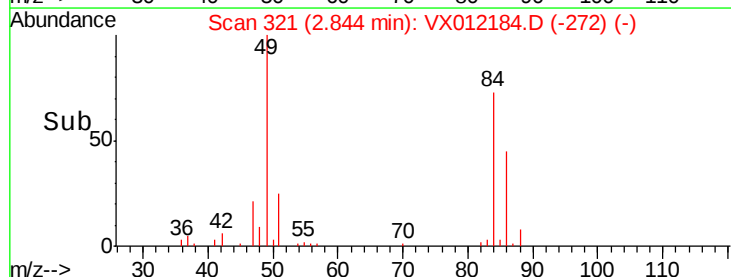
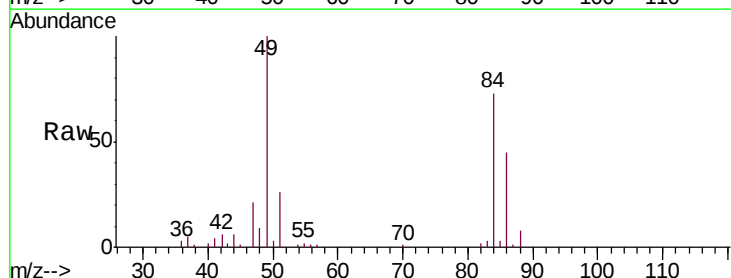
Ion Ratio Lower Upper

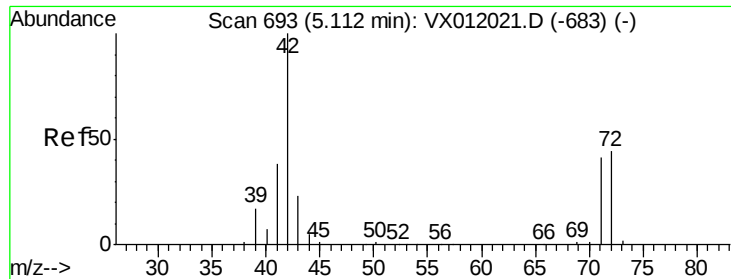
84 100

49 136.6 95.8 143.8

51 35.5 28.6 43.0

86 61.5 50.9 76.3

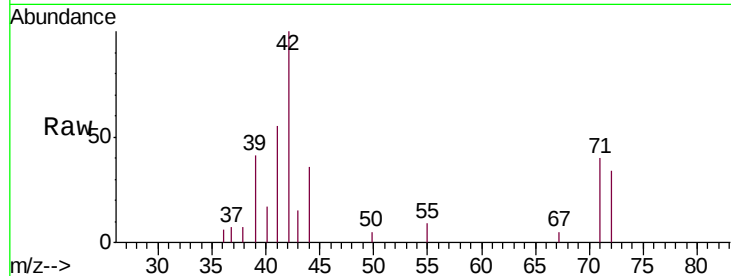




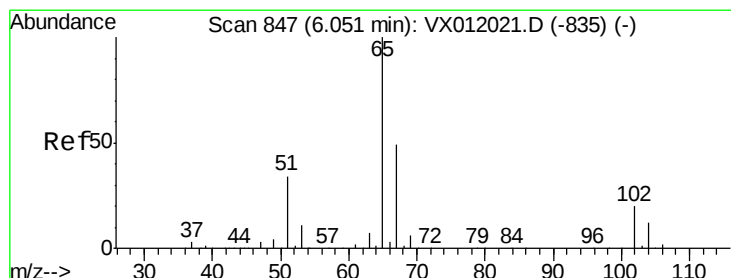
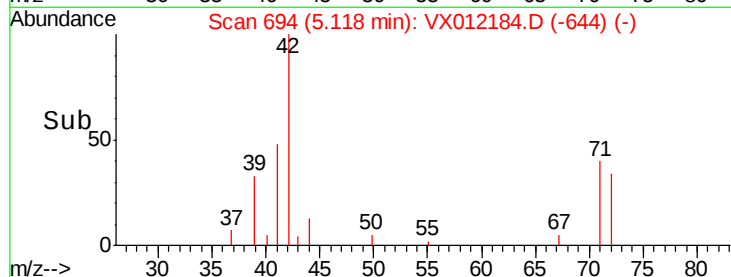
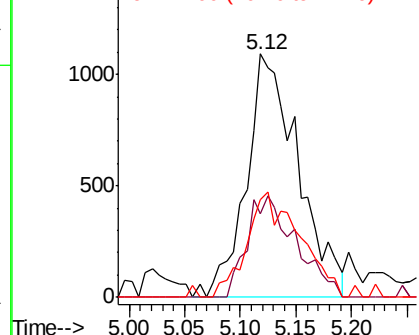
#29
Tetrahydrofuran
Concen: 9.623 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

Instrument :
MSVOA_X
ClientSampled :
PAR-D1-(0)

Tgt Ion: 42 Resp: 3541
Ion Ratio Lower Upper
42 100
72 39.3 37.0 55.4
71 44.2 33.8 50.8

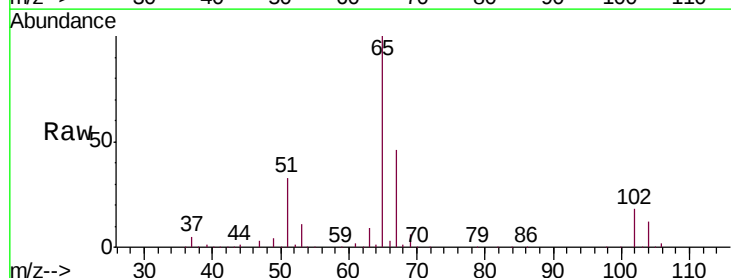


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

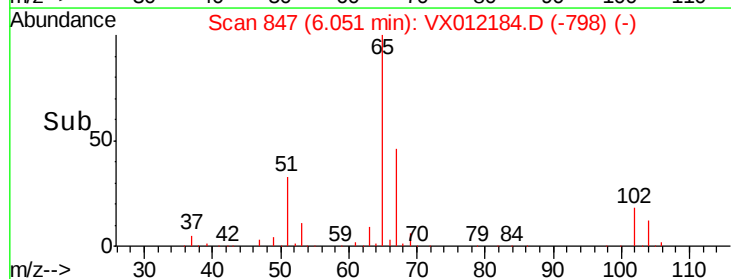
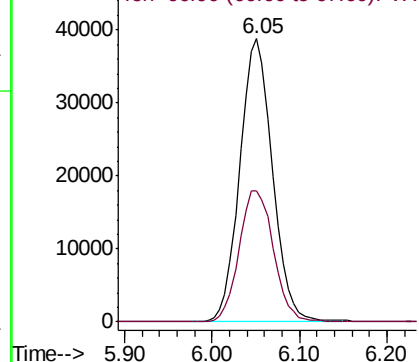


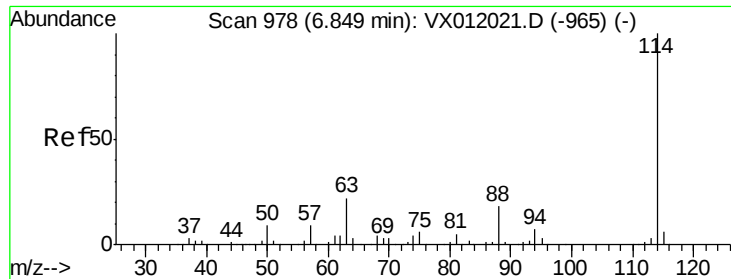
#33
1,2-Dichloroethane-d4
Concen: 50.070 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

Tgt Ion: 65 Resp: 100506
Ion Ratio Lower Upper
65 100
67 49.0 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

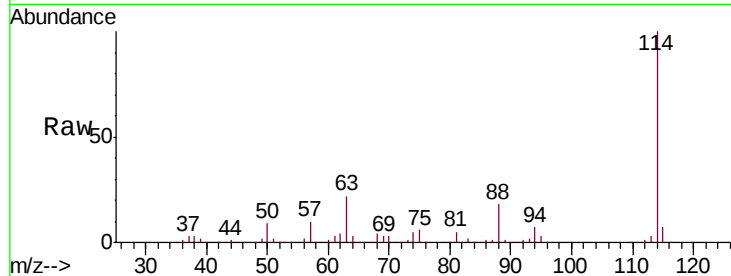




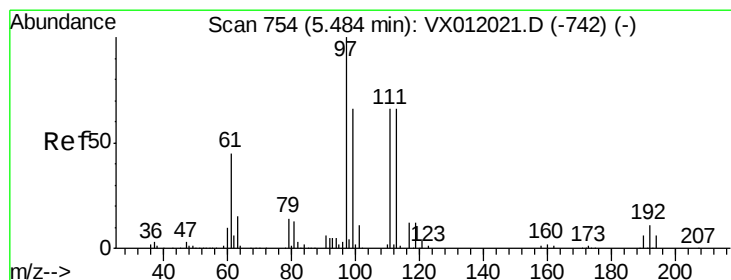
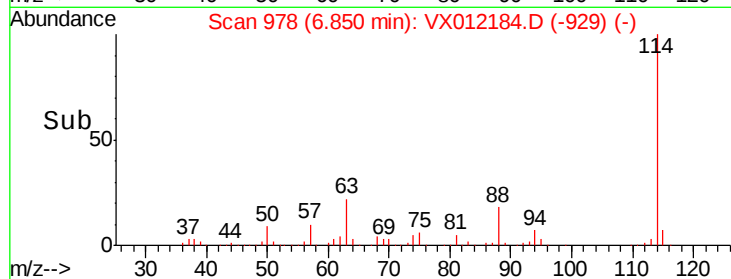
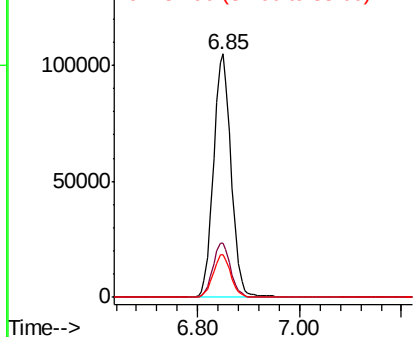
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012184.D
 Acq: 07 Sep 2019 18:55

Instrument :
 MSVOA_X
 ClientSampled :
 PAR-D1-(0)

Tgt Ion:114 Resp: 252030
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 37.4
 88 17.6 0.0 29.6

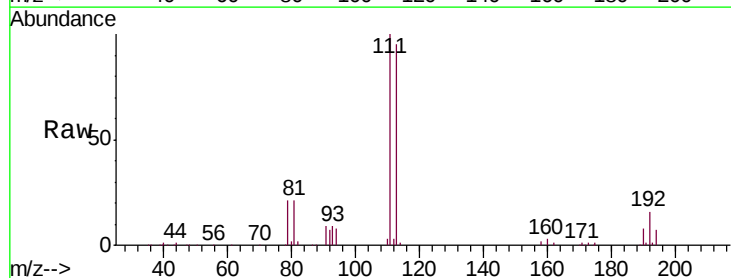


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

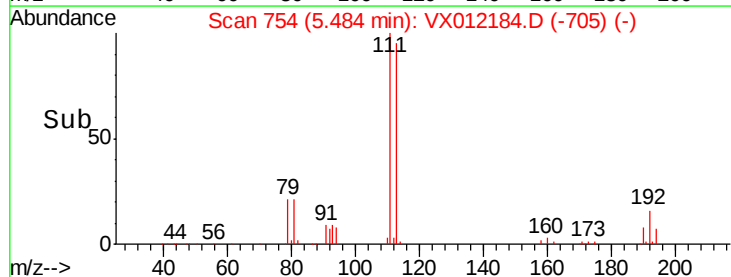
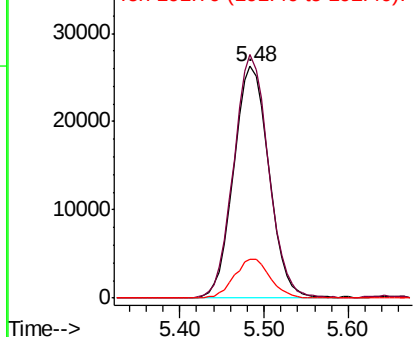


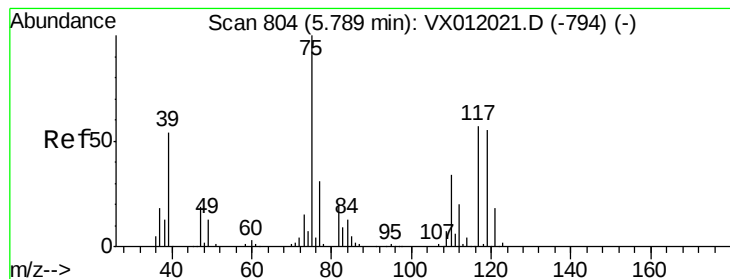
#35
 Dibromofluoromethane
 Concen: 48.140 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012184.D
 Acq: 07 Sep 2019 18:55

Tgt Ion:113 Resp: 74613
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 17.1 22.5 33.7#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.988 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012184.D

Acq: 07 Sep 2019 18:55

Instrument :

MSVOA_X

ClientSampleId :

PAR-D1-(0)

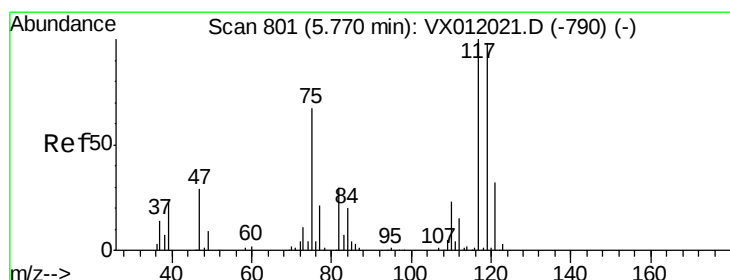
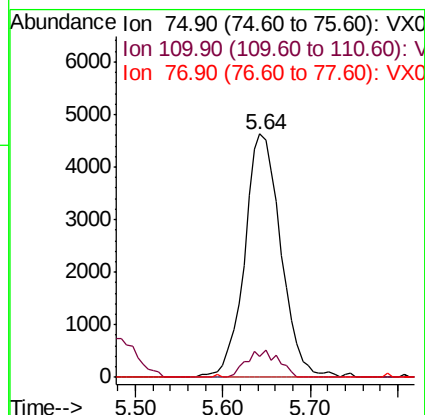
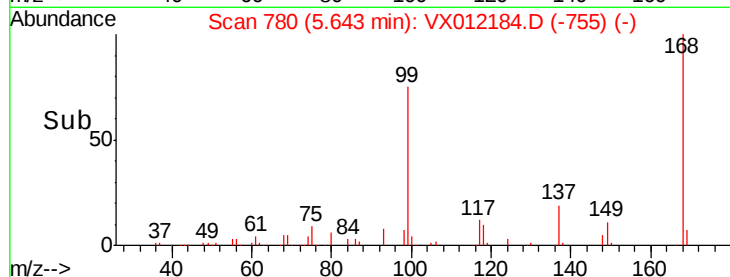
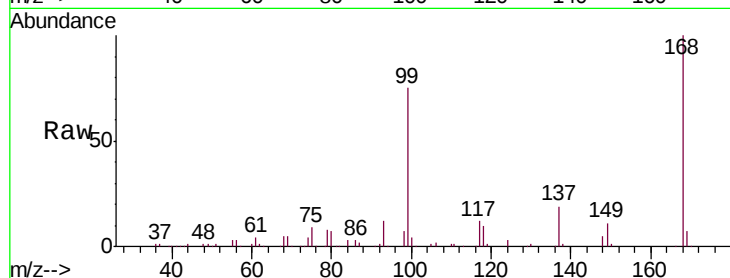
Tgt Ion: 75 Resp: 13293

Ion Ratio Lower Upper

75 100

110 9.8 19.5 58.5#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 7.383 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012184.D

Acq: 07 Sep 2019 18:55

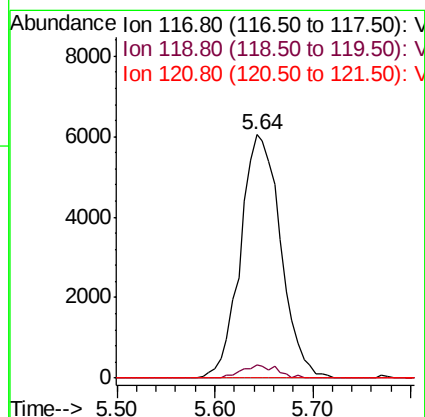
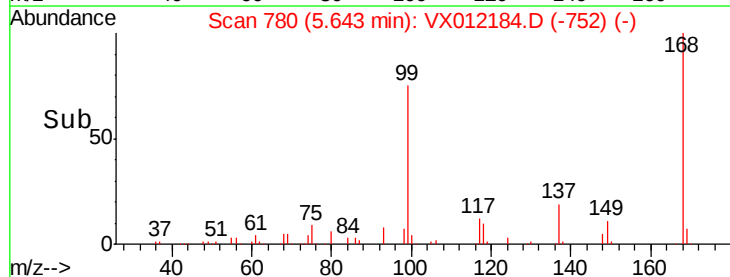
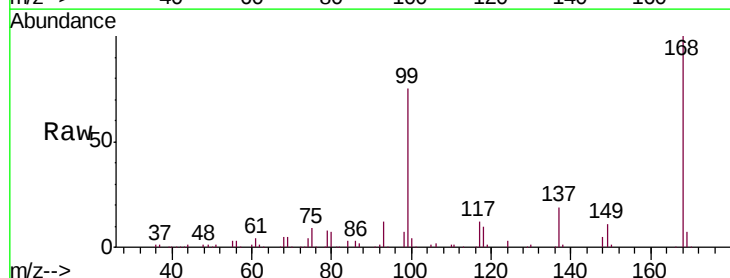
Tgt Ion: 117 Resp: 17268

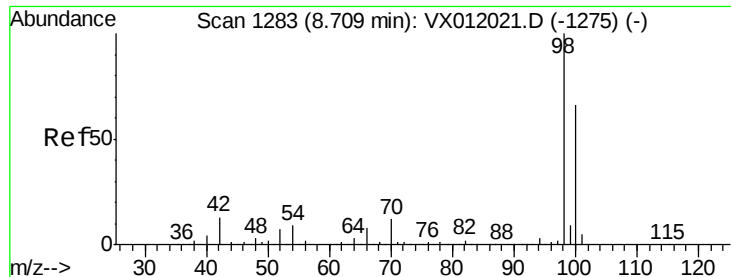
Ion Ratio Lower Upper

117 100

119 5.5 78.3 117.5#

121 0.0 24.2 36.2#

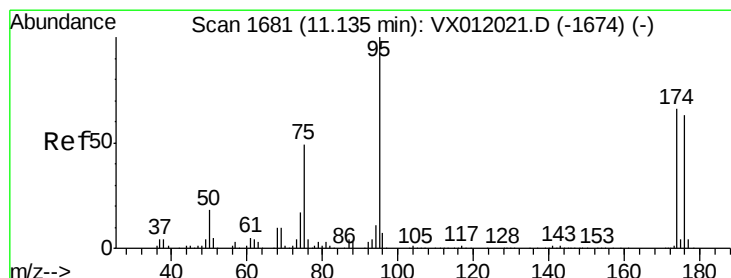
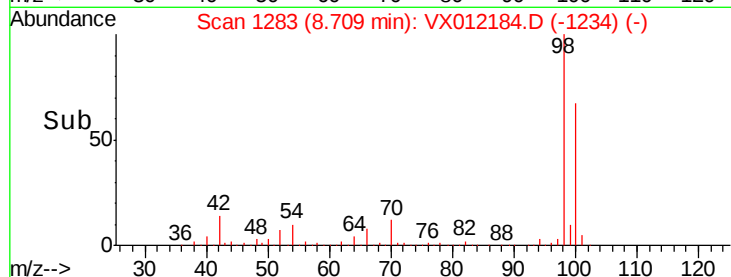
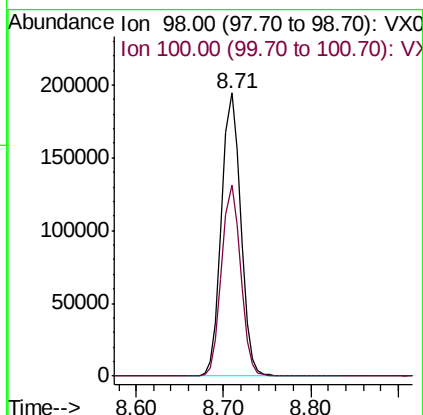
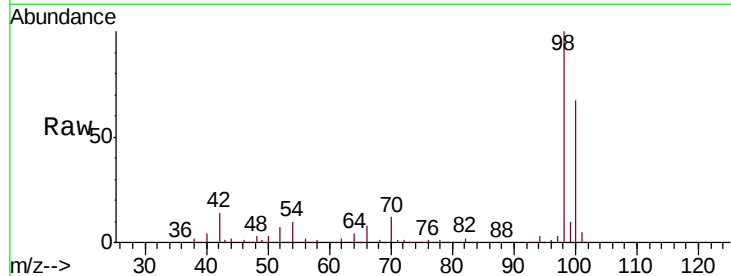




#50
Toluene-d8
Concen: 52.246 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

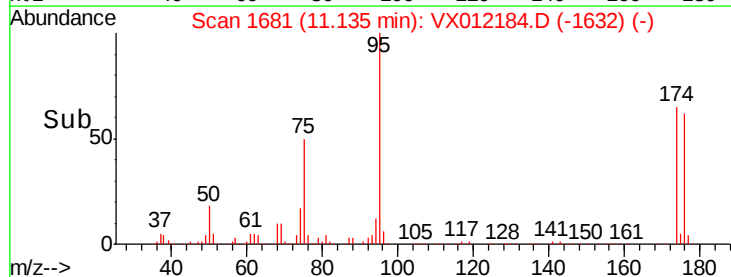
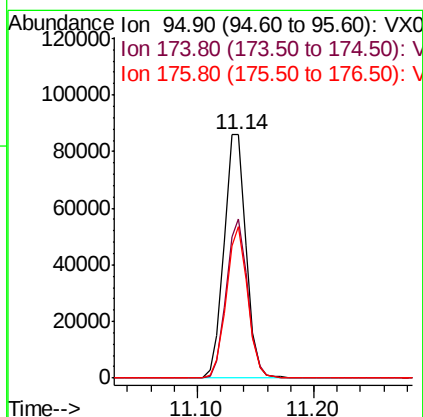
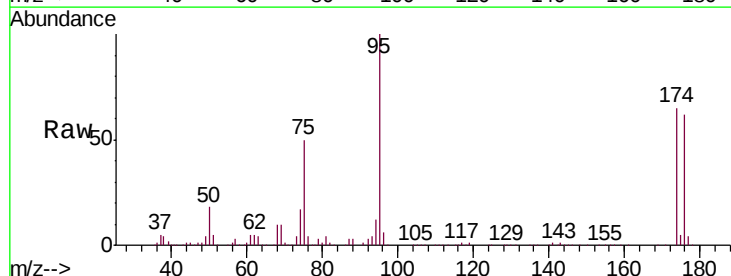
Instrument :
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PAR-D1-(0)

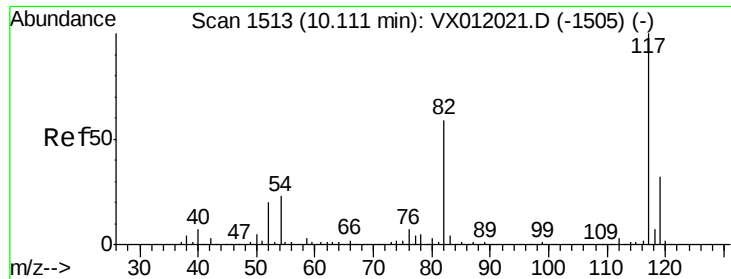
Tgt Ion: 98 Resp: 297145
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 42.571 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

Tgt Ion: 95 Resp: 112600
Ion Ratio Lower Upper
95 100
174 63.9 0.0 205.4
176 60.3 0.0 201.8

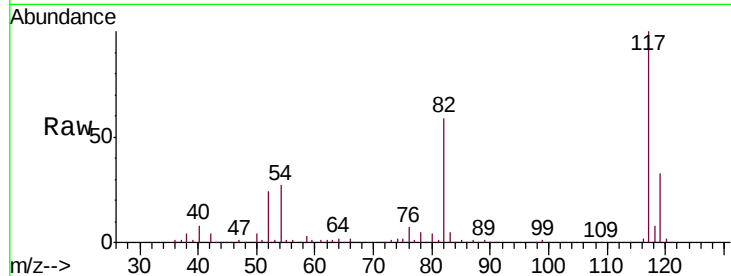




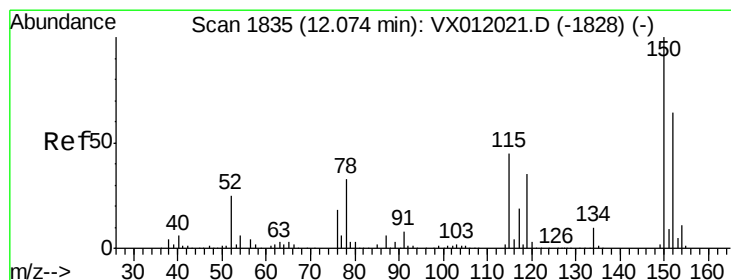
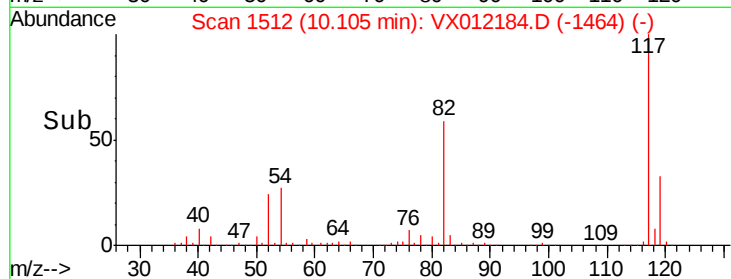
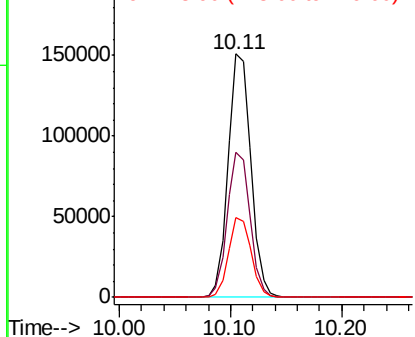
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

Instrument :
MSVOA_X
ClientSampleId :
PAR-D1-(0)

Tgt Ion:117 Resp: 213763
Ion Ratio Lower Upper
117 100
82 59.3 39.4 59.0#
119 32.7 26.1 39.1

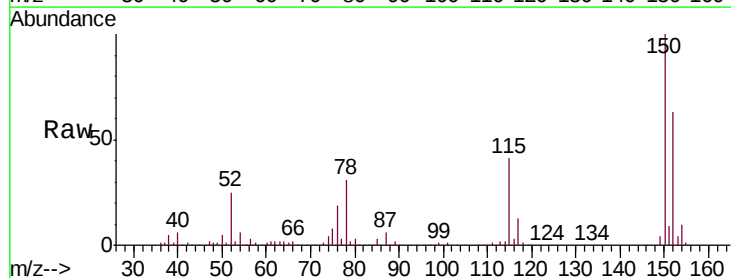


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

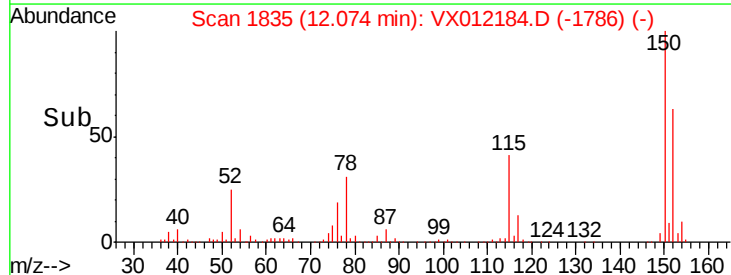
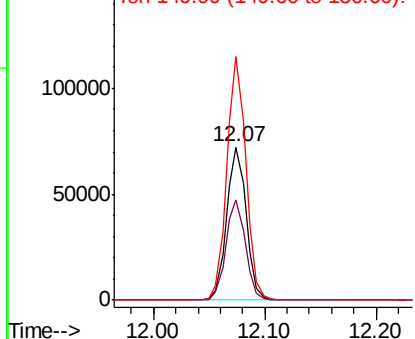


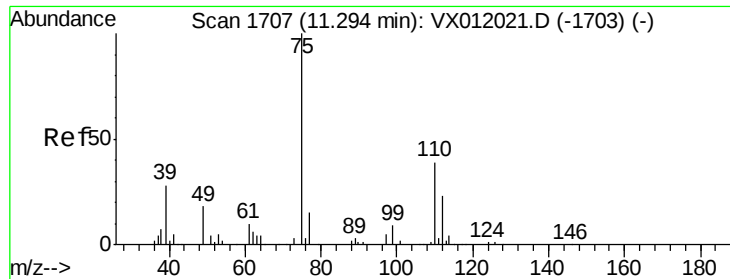
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012184.D
Acq: 07 Sep 2019 18:55

Tgt Ion:152 Resp: 87062
Ion Ratio Lower Upper
152 100
115 65.8 36.4 109.3
150 156.2 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 55.949 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012184.D

Acq: 07 Sep 2019 18:55

Instrument :

MSVOA_X

ClientSampled :

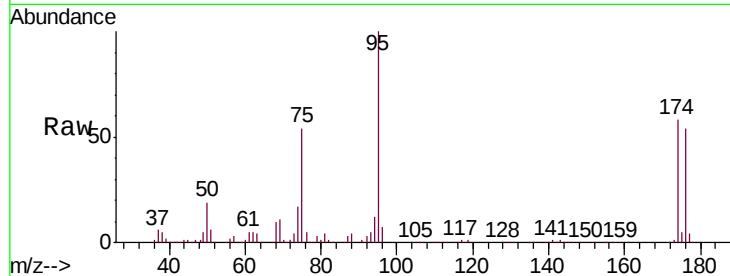
PAR-D1-(0)

Tgt Ion: 75 Resp: 59517

Ion Ratio Lower Upper

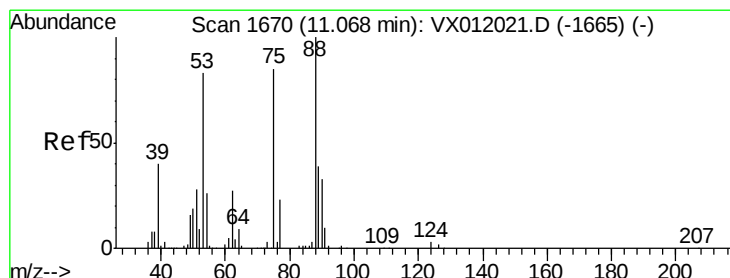
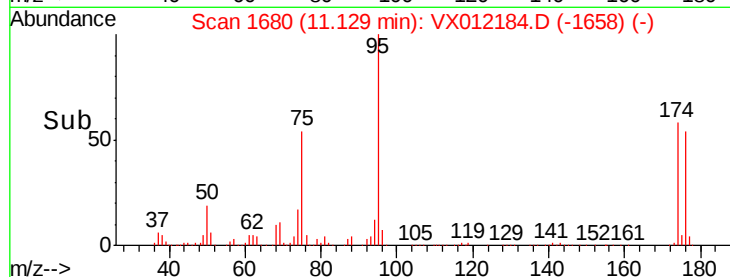
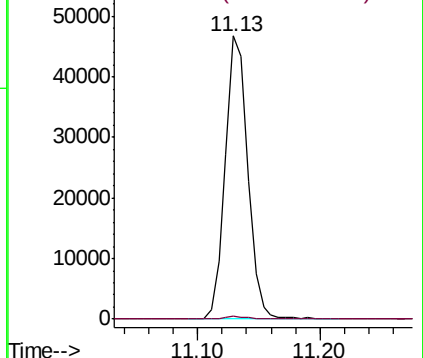
75 100

77 1.1 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 132.273 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012184.D

Acq: 07 Sep 2019 18:55

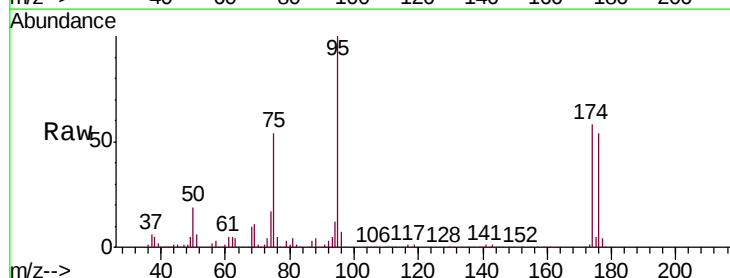
Tgt Ion: 75 Resp: 59517

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

