

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012224.D
 Acq On : 08 Sep 2019 15:44
 Operator : SY/SP
 Sample : K4622-08
 Misc : 4.08g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A3-(4)

Quant Time: Sep 09 01:50:20 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	145651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	250689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	98616	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	5.48	113	74743	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	297093	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.13	95	121582	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

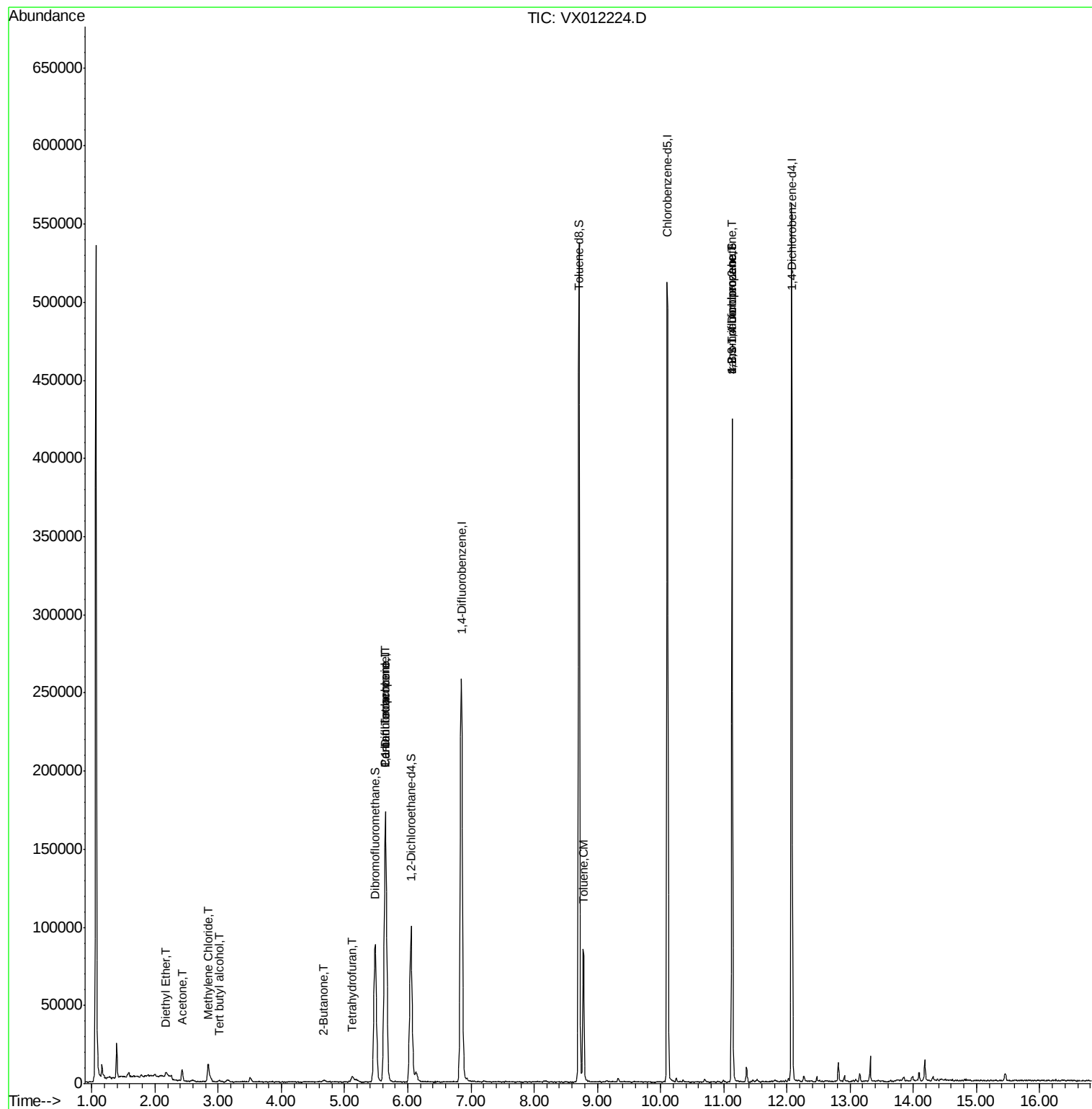
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	907	1.306	ug/l	69
11) Tert butyl alcohol	3.02	59	380	1.969	ug/l #	68
13) Acrolein	2.25	56	192	Below Cal		93
16) Acetone	2.43	43	8349	17.381	ug/l	100
20) Methylene Chloride	2.84	84	4808	2.493	ug/l	97
25) 2-Butanone	4.67	43	1989	3.253	ug/l #	84
29) Tetrahydrofuran	5.12	42	3290	8.930	ug/l	91
36) 1,1-Dichloropropene	5.65	75	13474	6.103	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17160	7.376	ug/l #	15
52) Toluene	8.78	92	31306	7.591	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	64080	51.429	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	64080	121.586	ug/l #	10

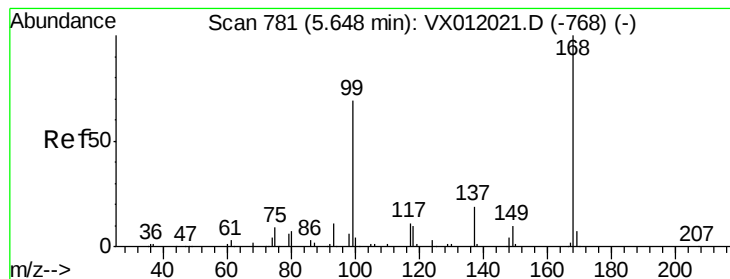
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

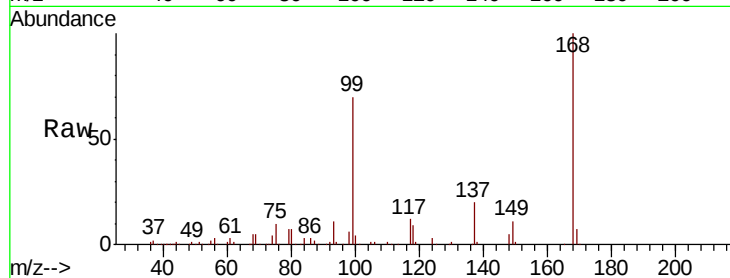
PAR-11-A3-(4)

Tgt Ion:168 Resp: 145651

Ion Ratio Lower Upper

168 100

99 69.6 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

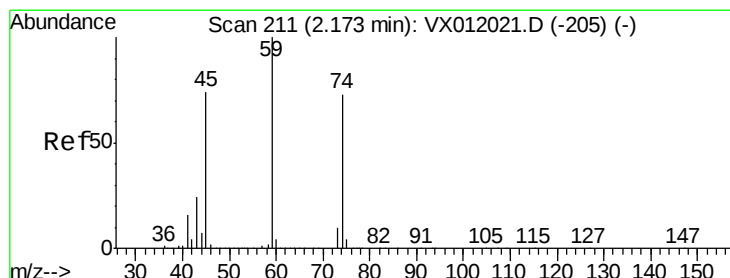
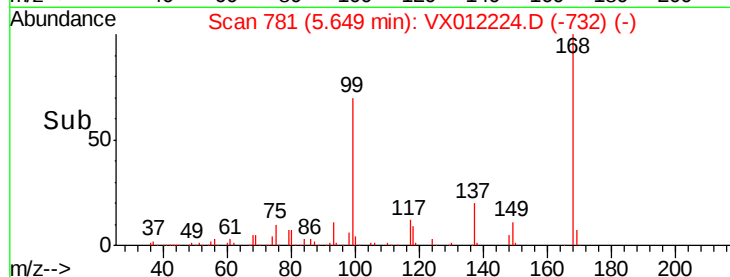
30000

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# 210

Delta R.T. -0.01 min

Lab File: VX012224.D

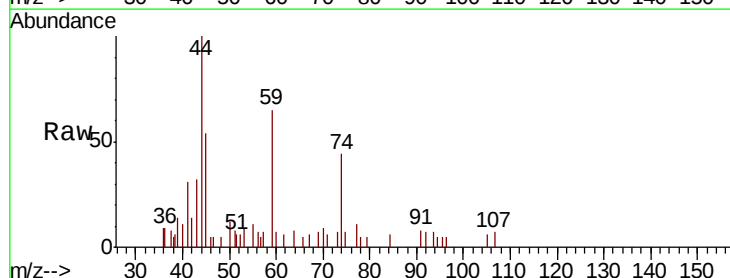
Acq: 08 Sep 2019 15:44

Tgt Ion: 74 Resp: 907

Ion Ratio Lower Upper

74 100

45 121.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

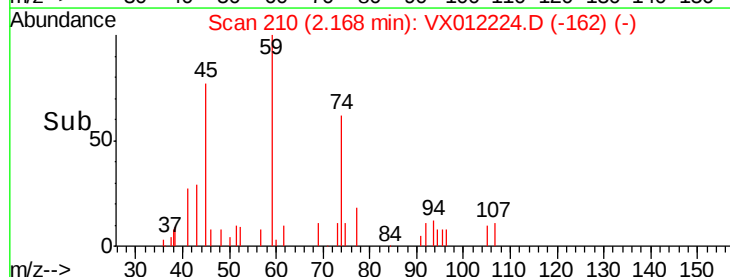
600

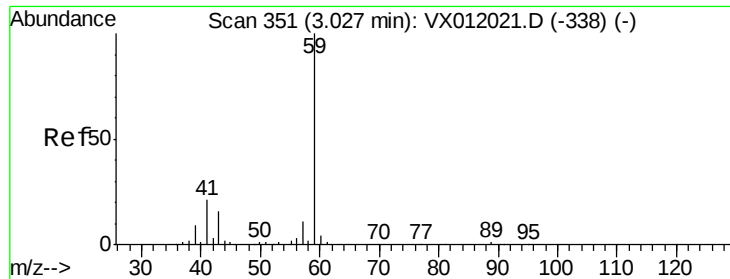
400

200

0

Time--> 2.15 2.20

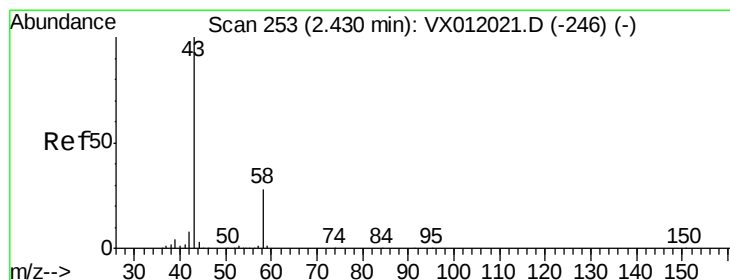
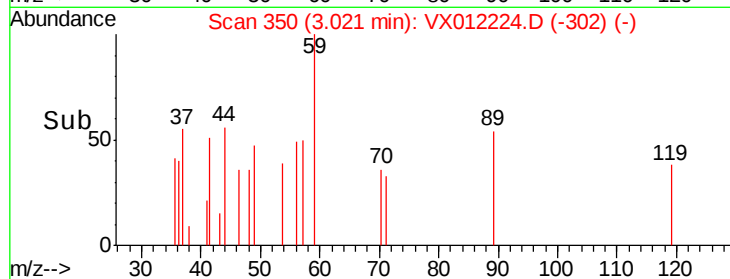
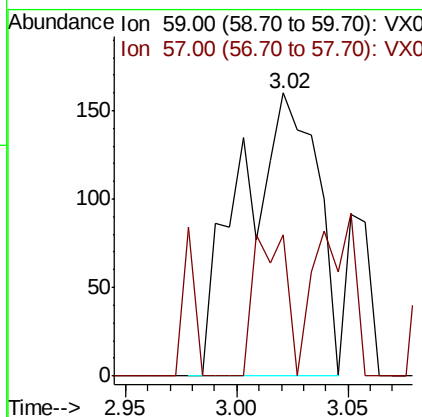
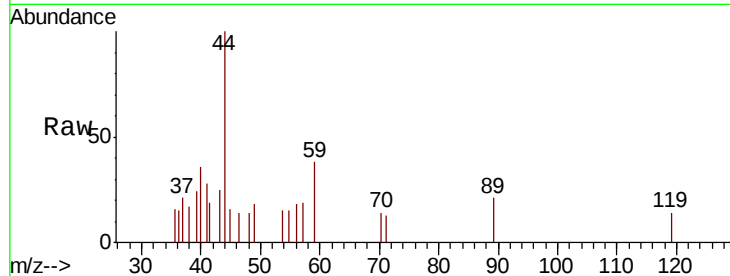




#11
Tert butyl alcohol
Concen: 1.969 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012224.D
Acq: 08 Sep 2019 15:44

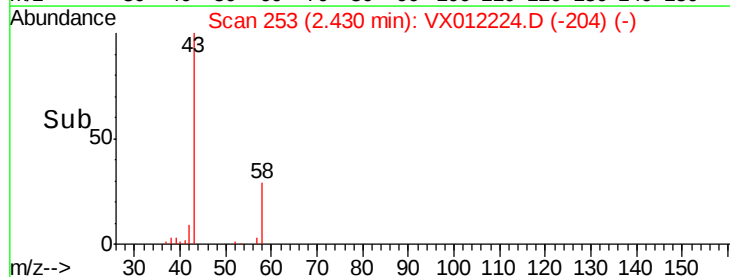
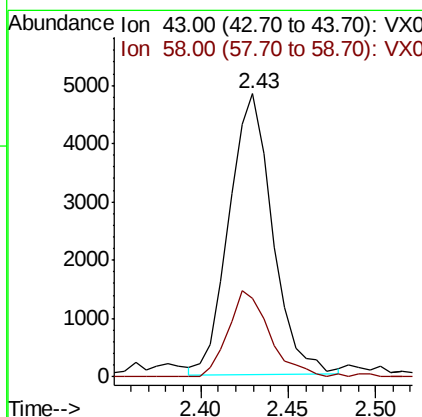
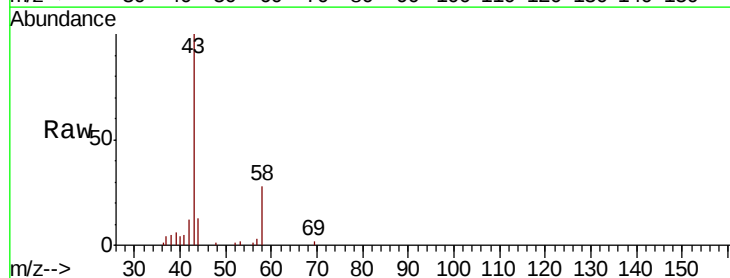
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A3-(4)

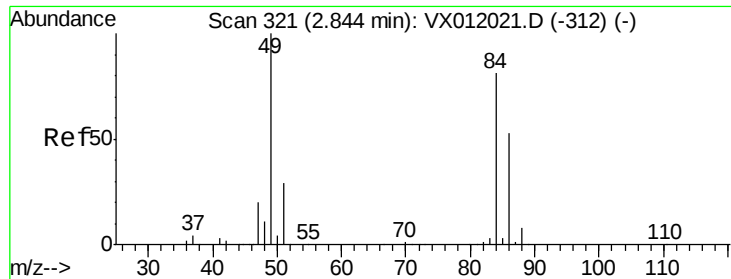
Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 21.6 7.9 11.9#



#16
Acetone
Concen: 17.381 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012224.D
Acq: 08 Sep 2019 15:44

Tgt Ion: 43 Resp: 8349
Ion Ratio Lower Upper
43 100
58 28.5 22.8 34.2

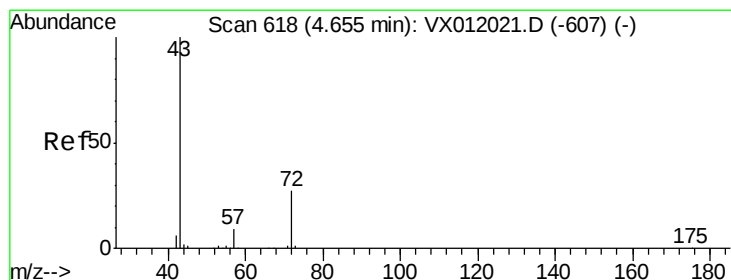
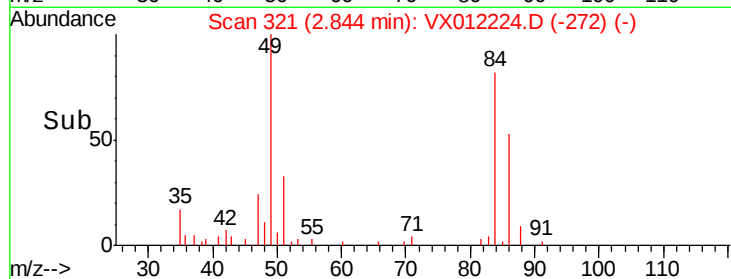
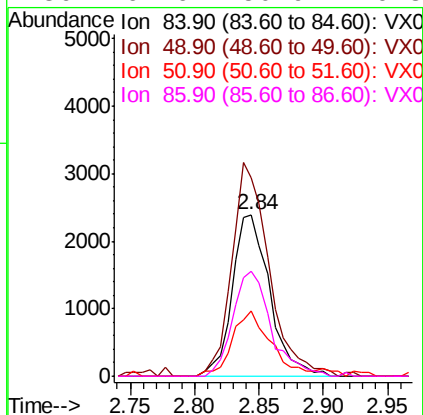
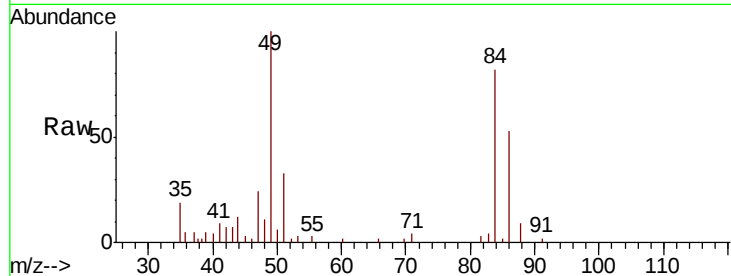




#20
Methylene Chloride
Concen: 2.493 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012224.D
Acq: 08 Sep 2019 15:44

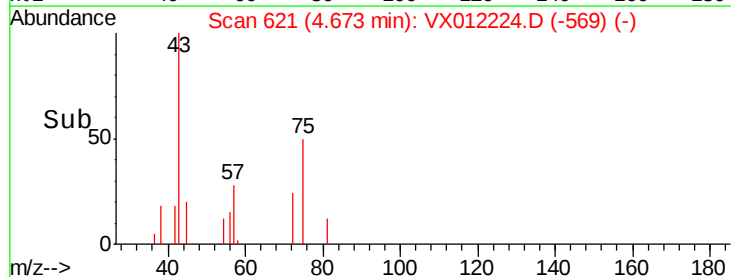
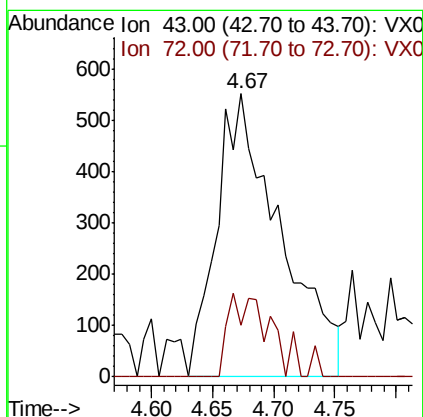
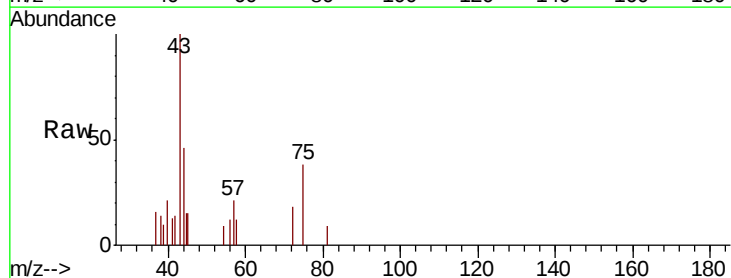
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A3-(4)

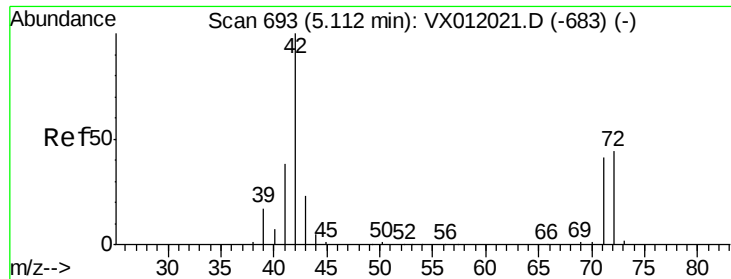
Tgt Ion:	84	Resp:	4808
Ion	Ratio	Lower	Upper
84	100		
49	122.3	95.8	143.8
51	40.2	28.6	43.0
86	64.6	50.9	76.3



#25
2-Butanone
Concen: 3.253 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012224.D
Acq: 08 Sep 2019 15:44

Tgt Ion:	43	Resp:	1989
Ion	Ratio	Lower	Upper
43	100		
72	18.1	21.3	31.9#

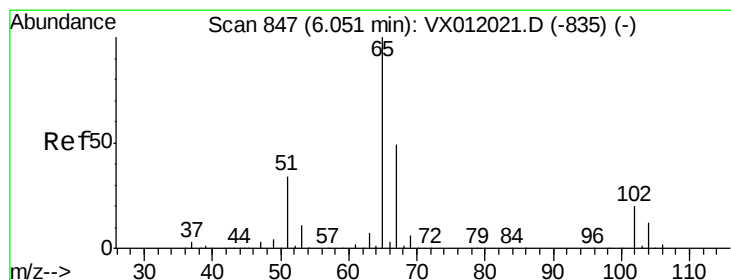
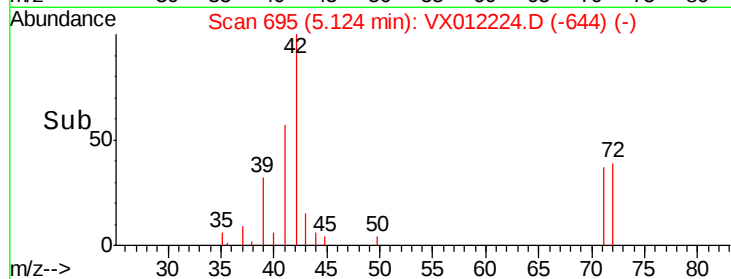
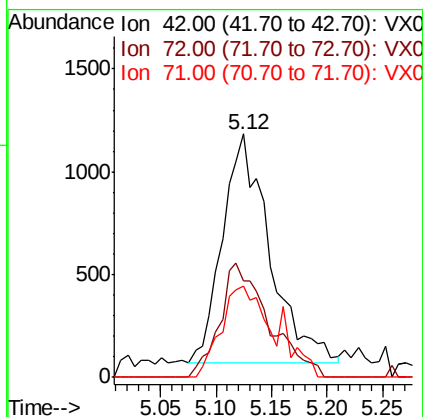
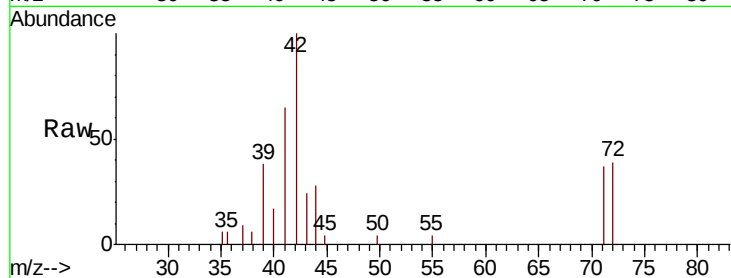




#29
Tetrahydrofuran
Concen: 8.930 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012224.D
Acq: 08 Sep 2019 15:44

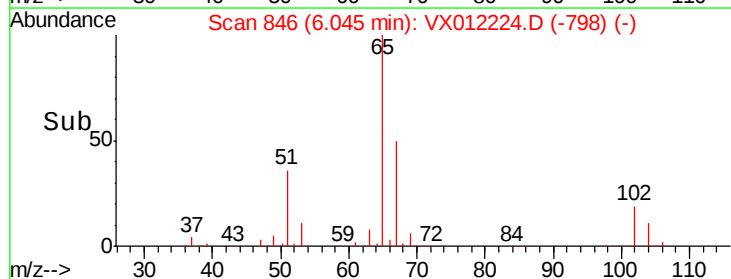
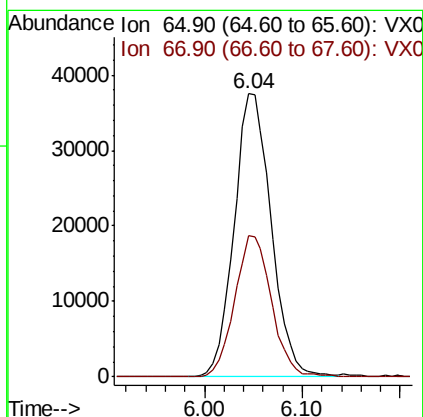
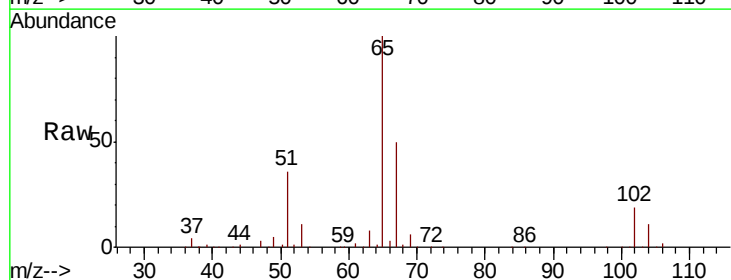
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A3-(4)

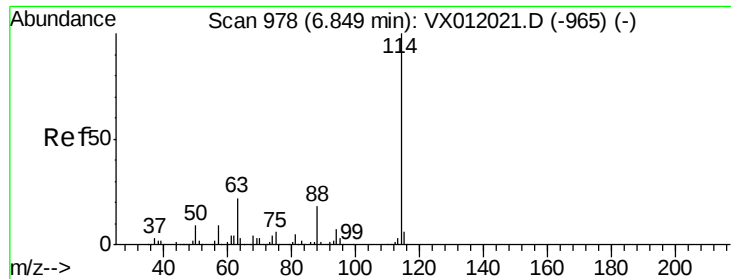
Tgt Ion: 42 Resp: 3290
Ion Ratio Lower Upper
42 100
72 51.6 37.0 55.4
71 36.5 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 49.070 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX012224.D
Acq: 08 Sep 2019 15:44

Tgt Ion: 65 Resp: 98616
Ion Ratio Lower Upper
65 100
67 49.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A3-(4)

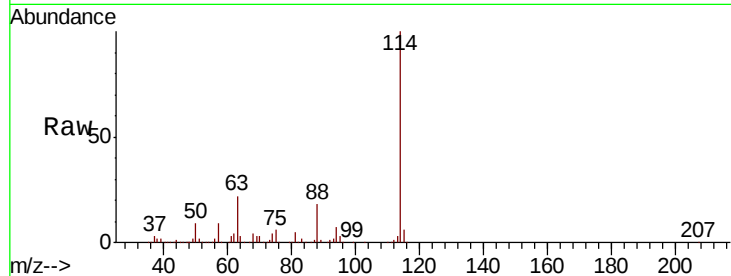
Tgt Ion:114 Resp: 250689

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

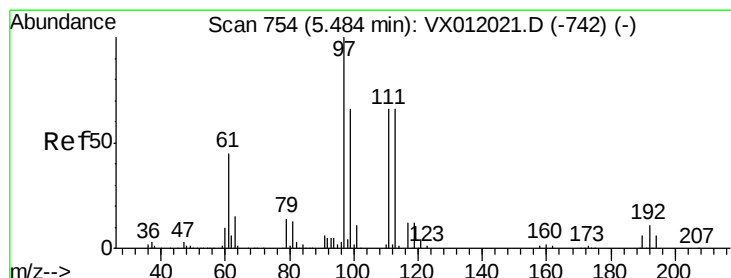
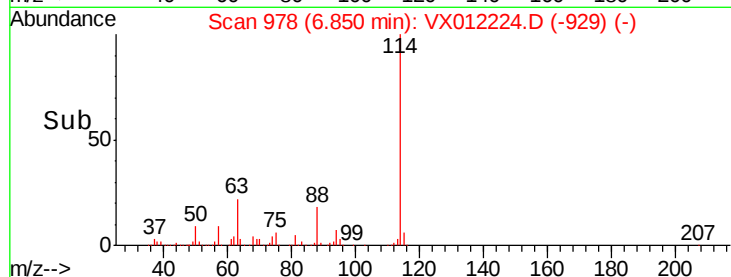
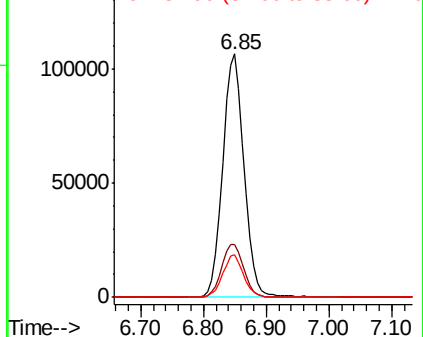
88 17.6 0.0 29.6



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: 48.482 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

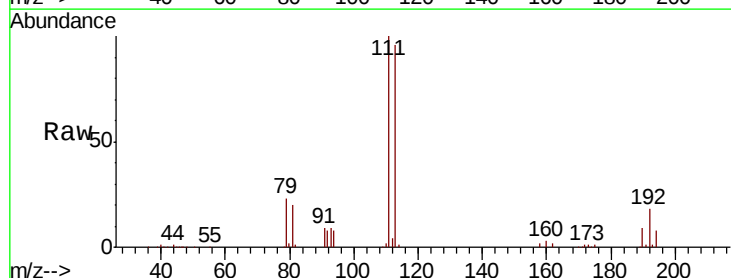
Tgt Ion:113 Resp: 74743

Ion Ratio Lower Upper

113 100

111 103.4 81.7 122.5

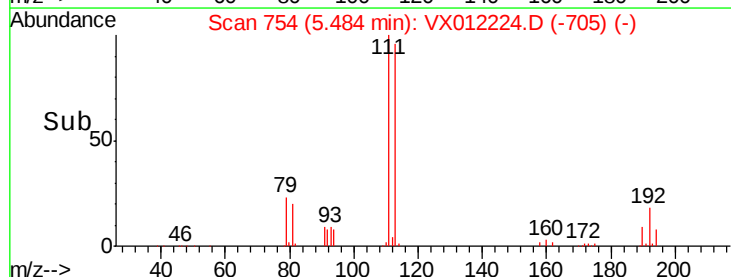
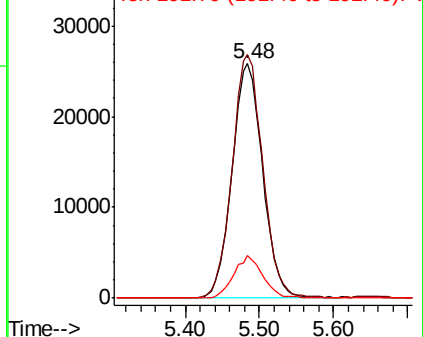
192 17.3 22.5 33.7#

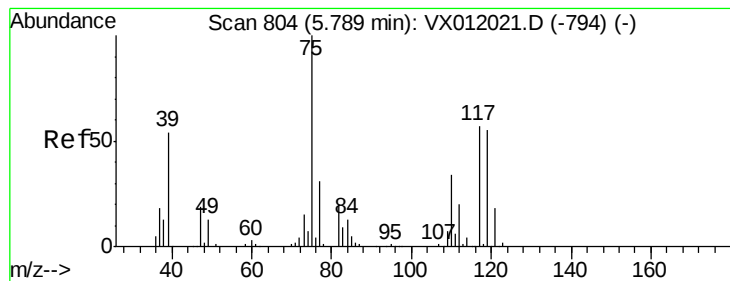


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.103 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A3-(4)

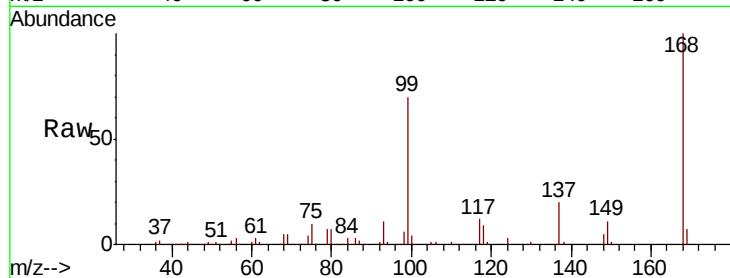
Tgt Ion: 75 Resp: 13474

Ion Ratio Lower Upper

75 100

110 10.3 19.5 58.5#

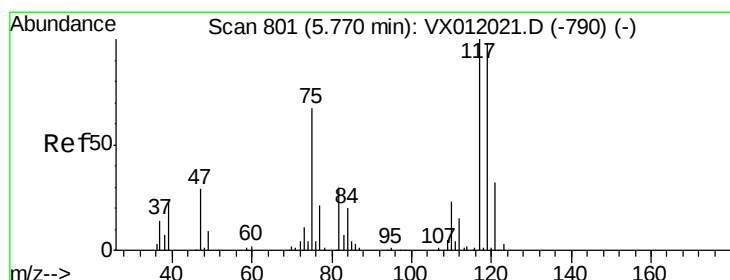
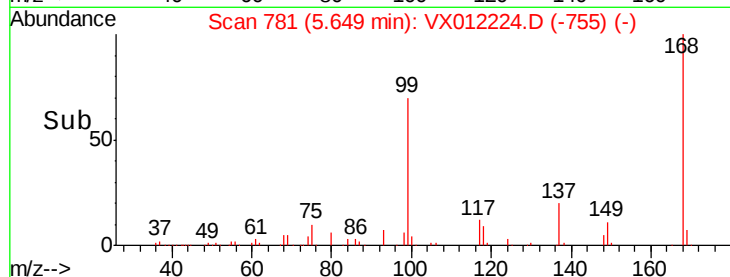
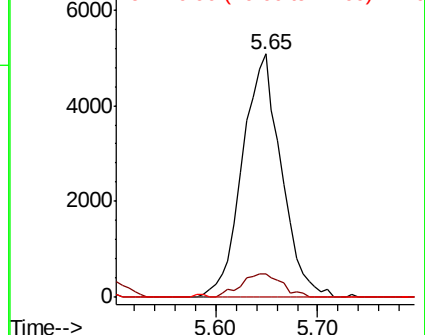
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.376 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

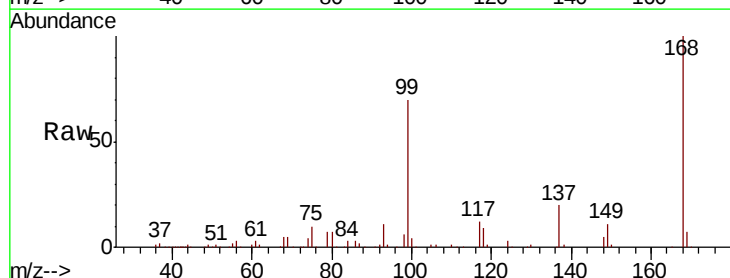
Tgt Ion: 117 Resp: 17160

Ion Ratio Lower Upper

117 100

119 5.5 78.3 117.5#

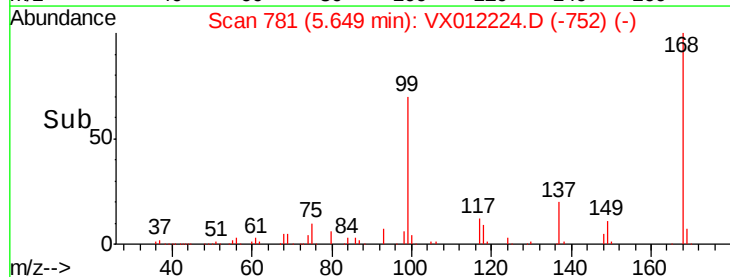
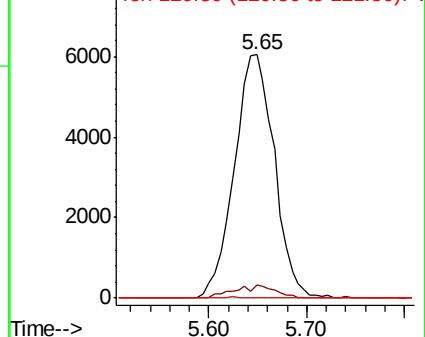
121 0.0 24.2 36.2#

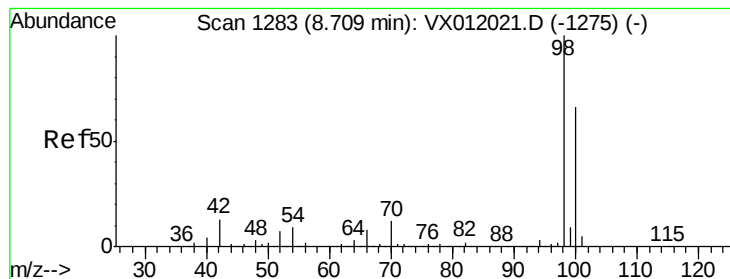


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.516 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

Instrument :

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ClientSampleId :

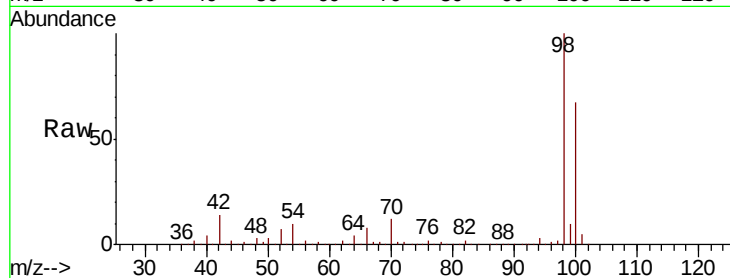
PAR-11-A3-(4)

Tgt Ion: 98 Resp: 297093

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

150000

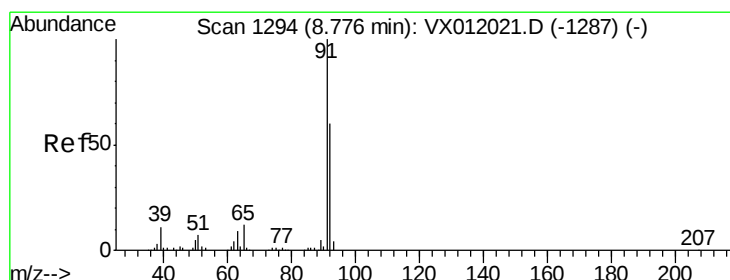
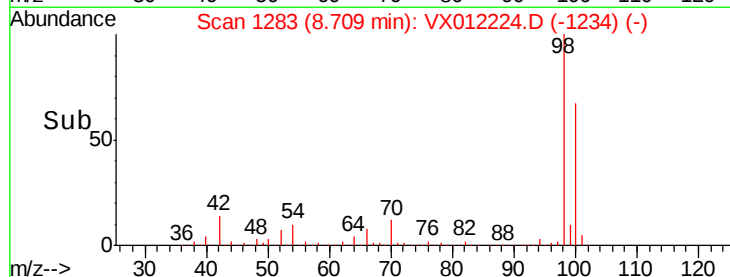
100000

50000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 7.591 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012224.D

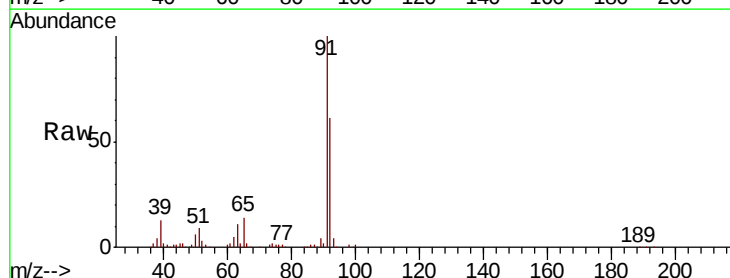
Acq: 08 Sep 2019 15:44

Tgt Ion: 92 Resp: 31306

Ion Ratio Lower Upper

92 100

91 165.8 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

30000

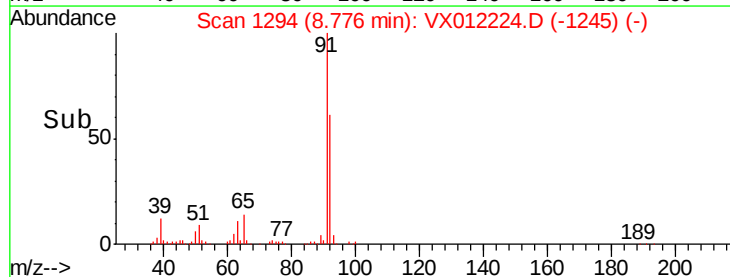
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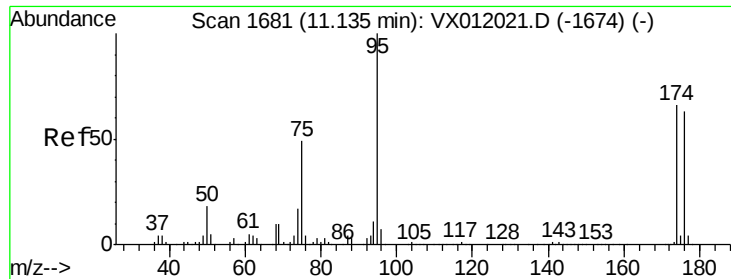
10000

0

8.70 8.75 8.80 8.85 8.90

Time-->

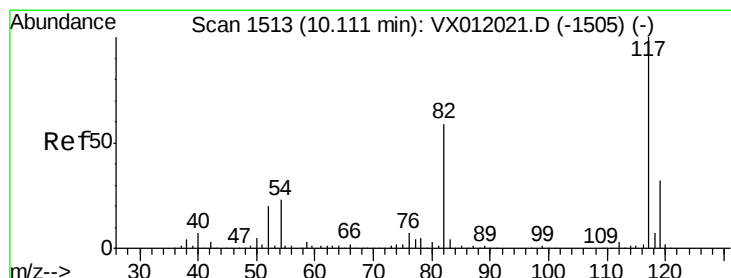
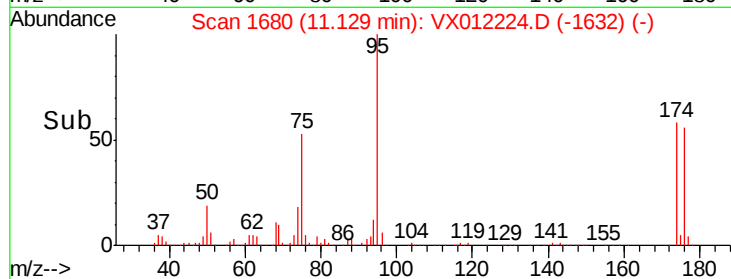
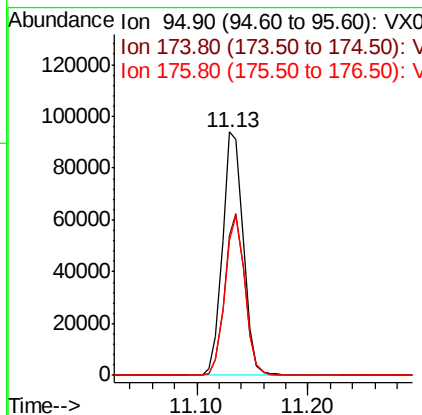
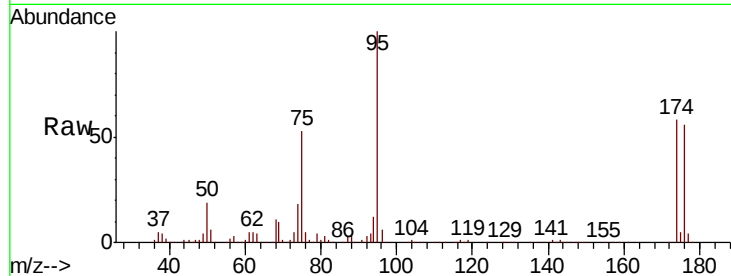




#62
 4-Bromofluorobenzene
 Concen: 46.212 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012224.D
 Acq: 08 Sep 2019 15:44

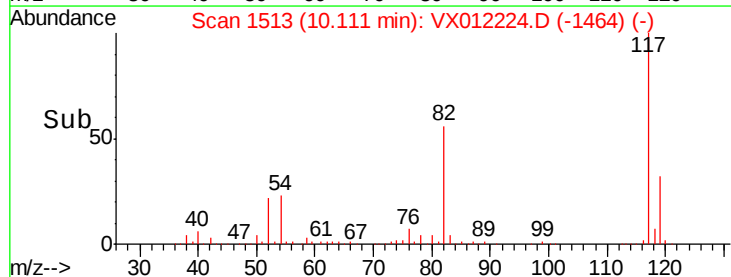
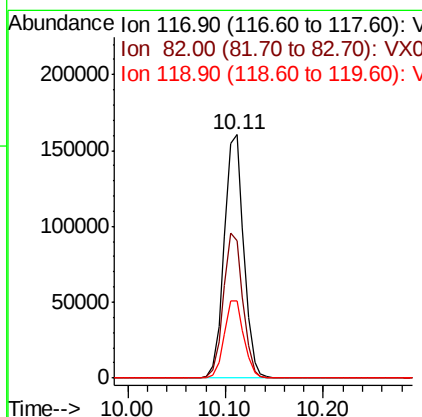
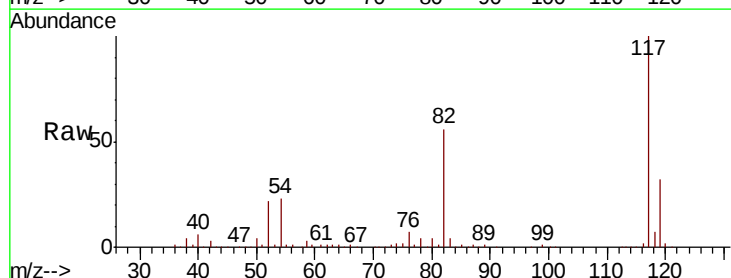
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A3-(4)

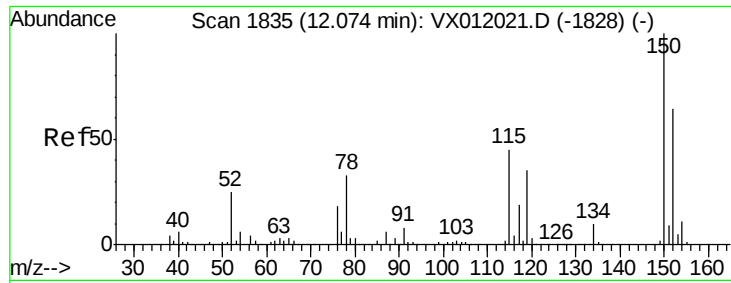
Tgt Ion: 95 Resp: 121582
 Ion Ratio Lower Upper
 95 100
 174 63.9 0.0 205.4
 176 62.7 0.0 201.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012224.D
 Acq: 08 Sep 2019 15:44

Tgt Ion: 117 Resp: 222297
 Ion Ratio Lower Upper
 117 100
 82 56.3 39.4 59.0
 119 31.7 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A3-(4)

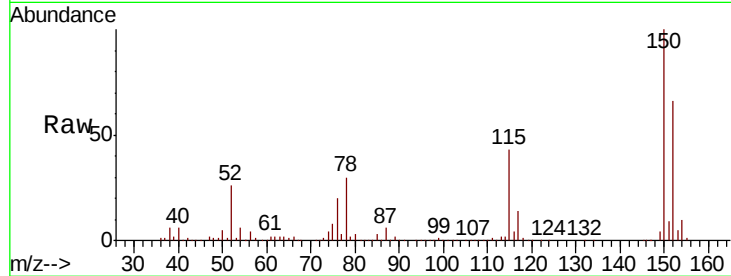
Tgt Ion:152 Resp: 101976

Ion Ratio Lower Upper

152 100

115 65.5 36.4 109.3

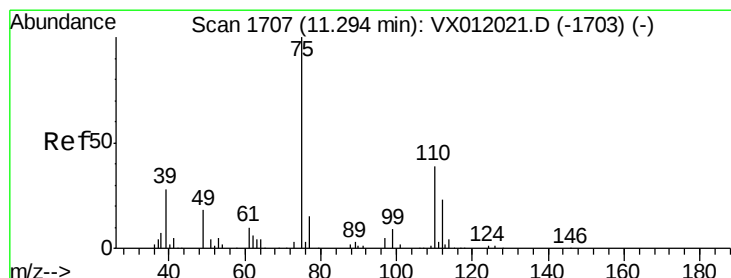
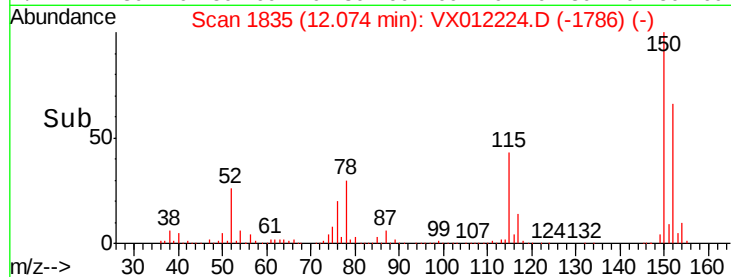
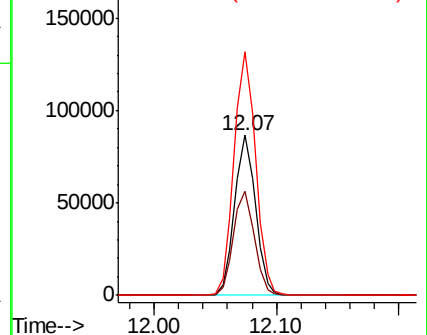
150 157.4 0.0 341.2



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: 51.429 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012224.D

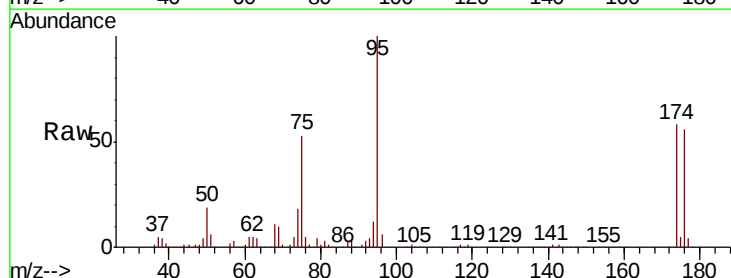
Acq: 08 Sep 2019 15:44

Tgt Ion: 75 Resp: 64080

Ion Ratio Lower Upper

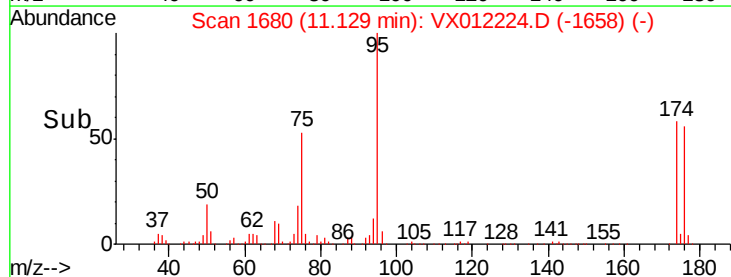
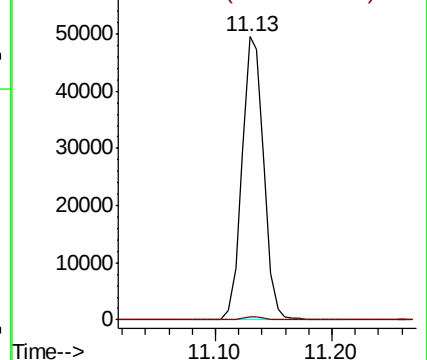
75 100

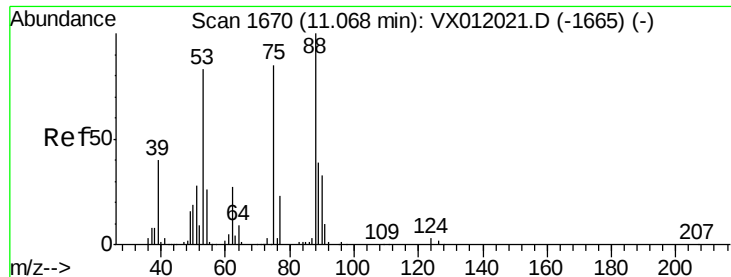
77 1.2 23.5 70.5#



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: 121.586 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012224.D

Acq: 08 Sep 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A3-(4)

Tgt Ion: 75 Resp: 64080

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#

