

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012223.D
 Acq On : 08 Sep 2019 15:16
 Operator : SY/SP
 Sample : K4622-07
 Misc : 4.89g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A2-(4)

Quant Time: Sep 09 01:50:10 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	148736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94751	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	100229	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	5.48	113	75384	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	8.71	98	302615	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.14	95	115977	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	

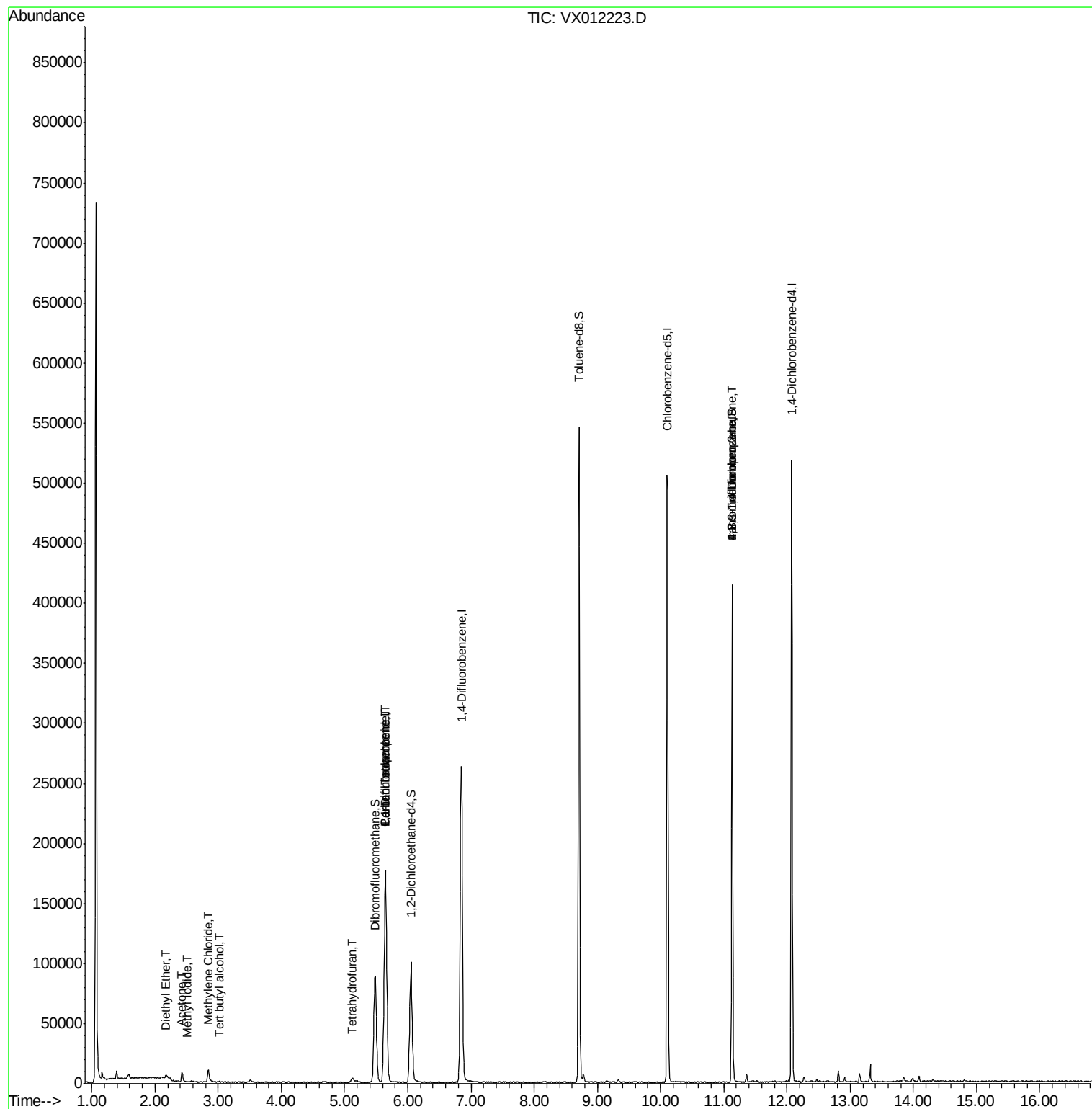
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	832	1.173	ug/l	89
10) Methyl Iodide	2.51	142	51	7.017	ug/l #	40
11) Tert butyl alcohol	3.02	59	532	2.699	ug/l #	81
13) Acrolein	2.29	56	150	Below Cal	#	12
16) Acetone	2.42	43	8870	18.082	ug/l	93
20) Methylene Chloride	2.84	84	4722	2.397	ug/l #	88
29) Tetrahydrofuran	5.12	42	4083	10.853	ug/l	92
36) 1,1-Dichloropropene	5.65	75	14110	6.232	ug/l #	48
38) Carbon Tetrachloride	5.64	117	17591	7.373	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	60347	52.126	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	60347	123.234	ug/l #	10

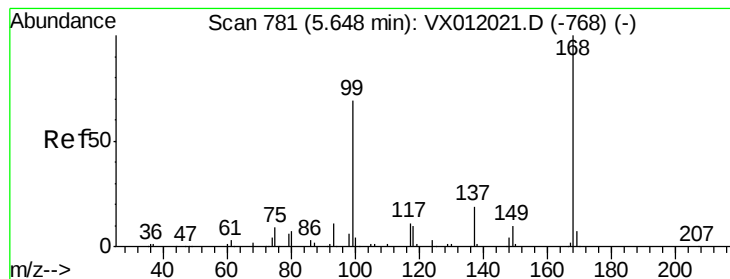
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012223.D

Acq: 08 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

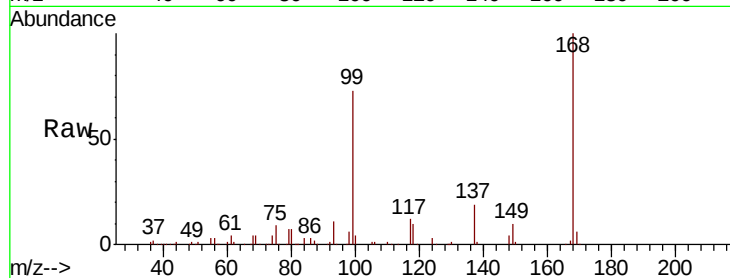
PAR-11-A2-(4)

Tgt Ion:168 Resp: 148736

Ion Ratio Lower Upper

168 100

99 73.1 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

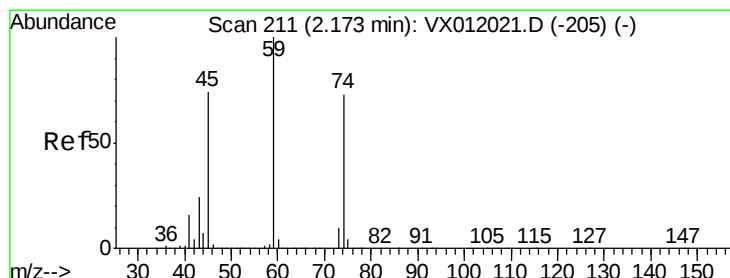
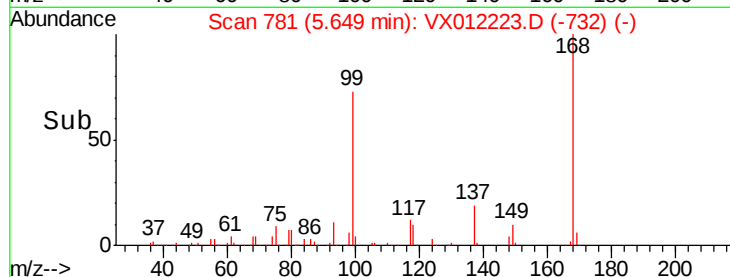
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.173 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012223.D

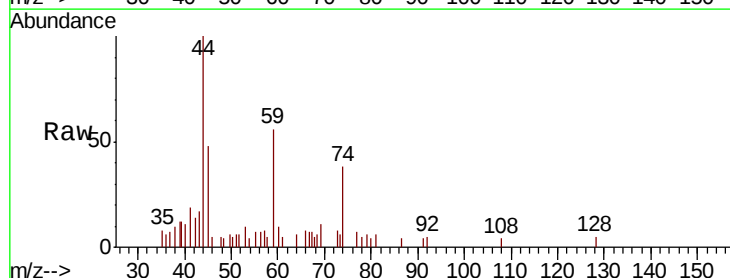
Acq: 08 Sep 2019 15:16

Tgt Ion: 74 Resp: 832

Ion Ratio Lower Upper

74 100

45 81.1 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

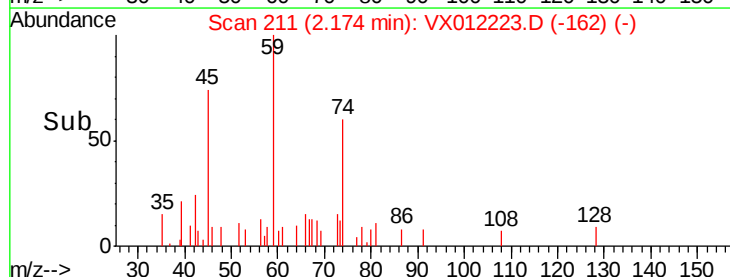
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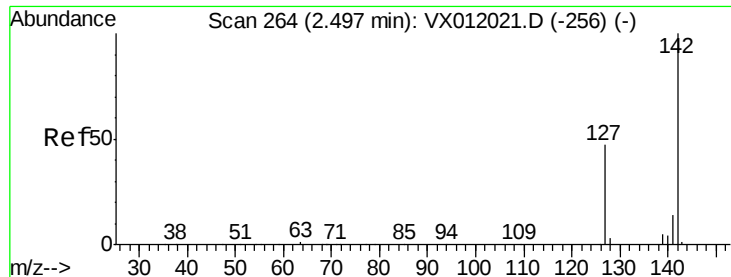
200

0

Time-->

2.15 2.20

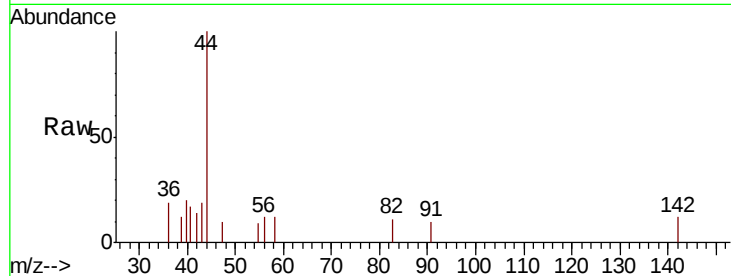




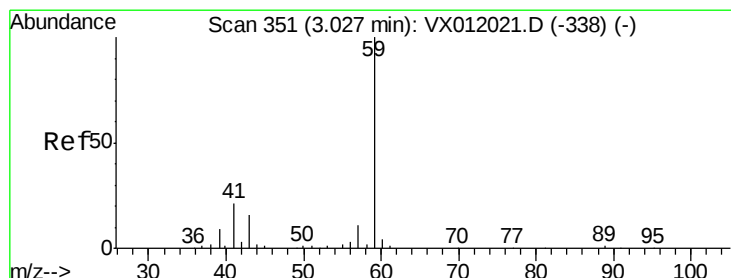
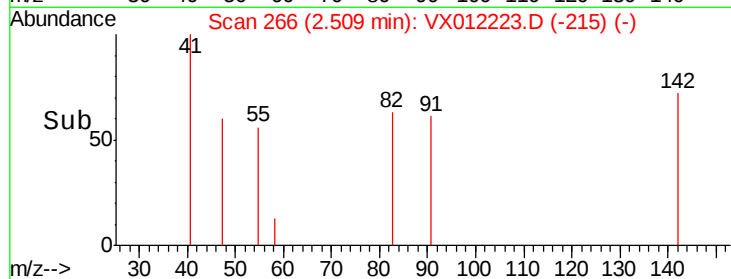
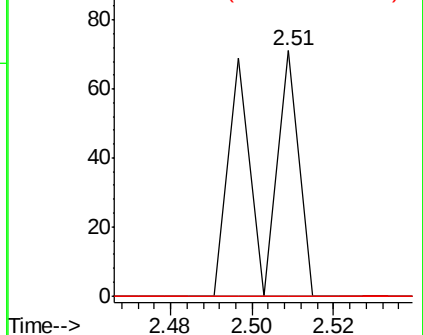
#10
Methyl Iodide
Concen: 7.017 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A2-(4)

Tgt Ion: 142 Resp: 51
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

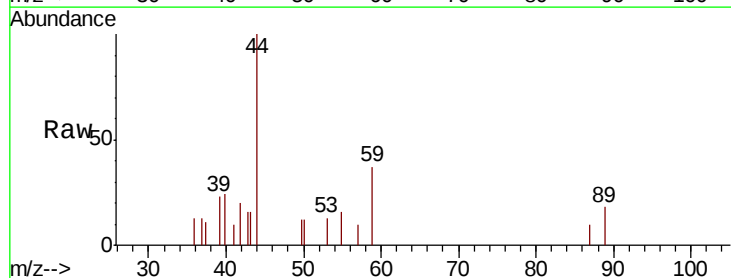


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

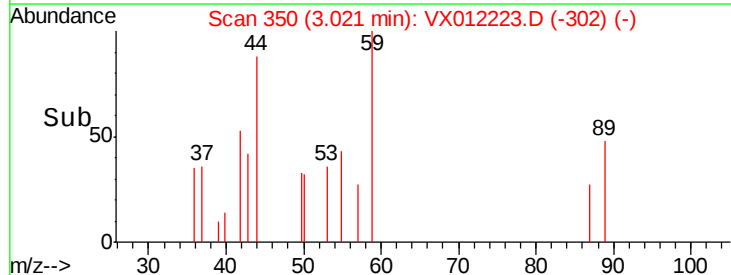
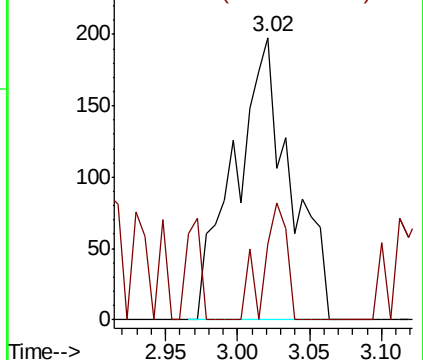


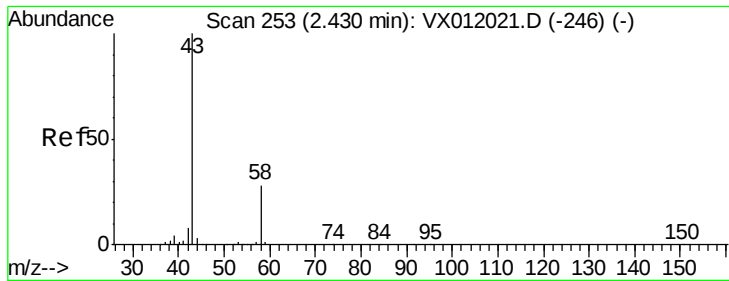
#11
Tert butyl alcohol
Concen: 2.699 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

Tgt Ion: 59 Resp: 532
Ion Ratio Lower Upper
59 100
57 17.1 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 18.082 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012223.D

Acq: 08 Sep 2019 15:16

Instrument :

MSVOA_X

ClientSampleId :

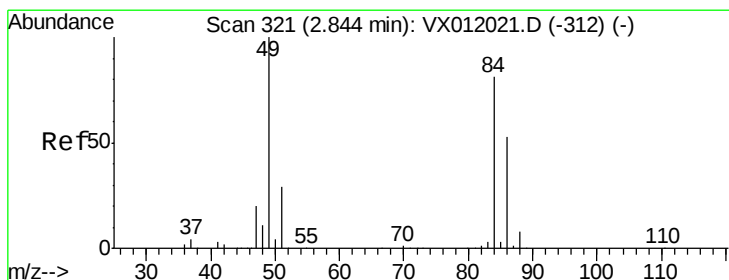
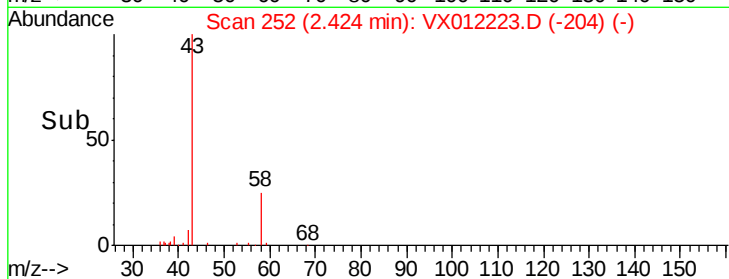
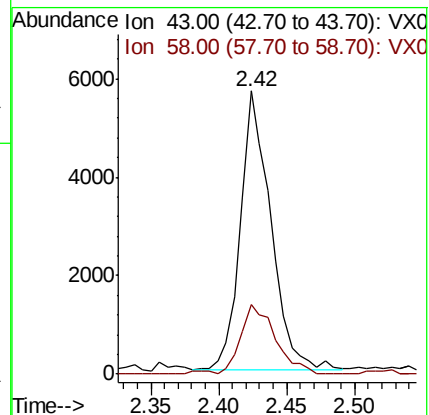
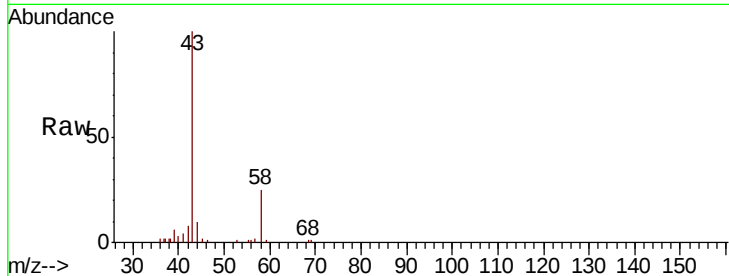
PAR-11-A2-(4)

Tgt Ion: 43 Resp: 8870

Ion Ratio Lower Upper

43 100

58 25.1 22.8 34.2



#20

Methylene Chloride

Concen: 2.397 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX012223.D

Acq: 08 Sep 2019 15:16

Tgt Ion: 84 Resp: 4722

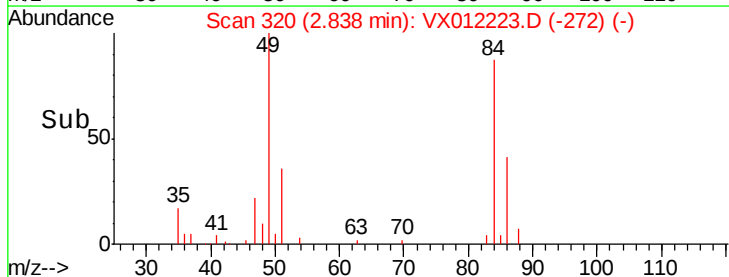
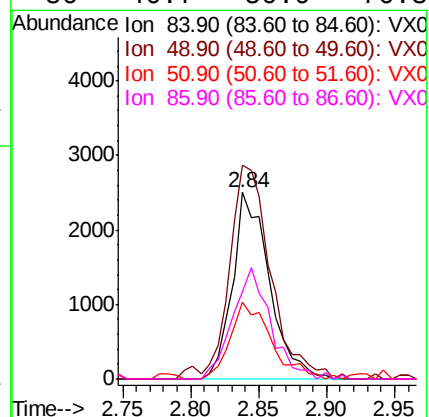
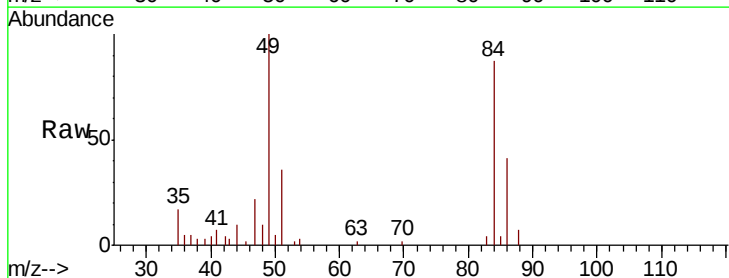
Ion Ratio Lower Upper

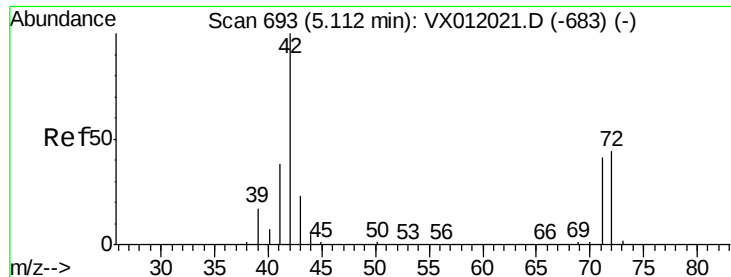
84 100

49 111.8 95.8 143.8

51 41.3 28.6 43.0

86 46.7 50.9 76.3#

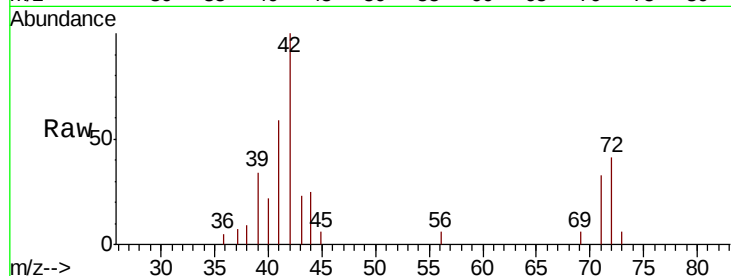




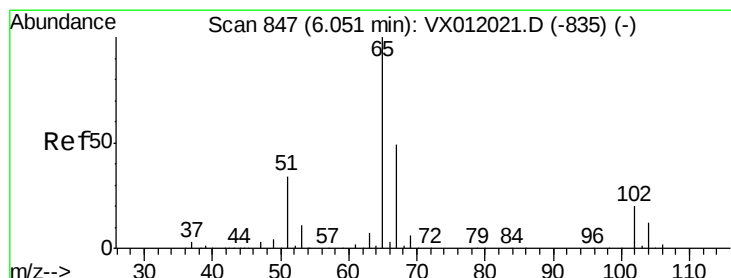
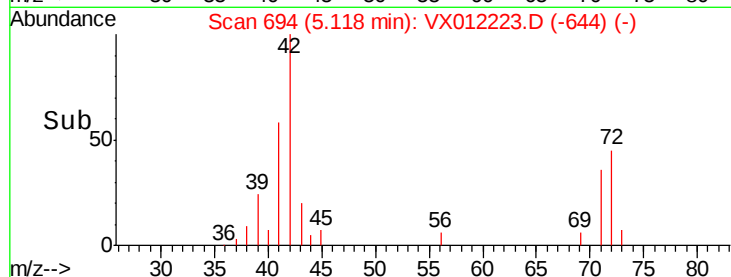
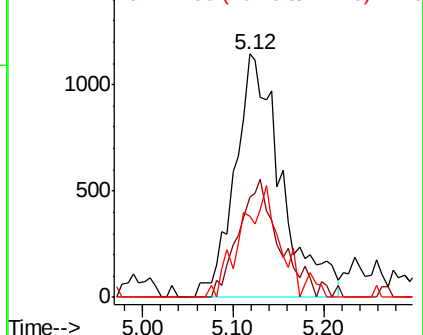
#29
Tetrahydrofuran
Concen: 10.853 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

Instrument :
MSVOA_X
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PAR-11-A2-(4)

Tgt Ion: 42 Resp: 4083
Ion Ratio Lower Upper
42 100
72 41.5 37.0 55.4
71 37.1 33.8 50.8

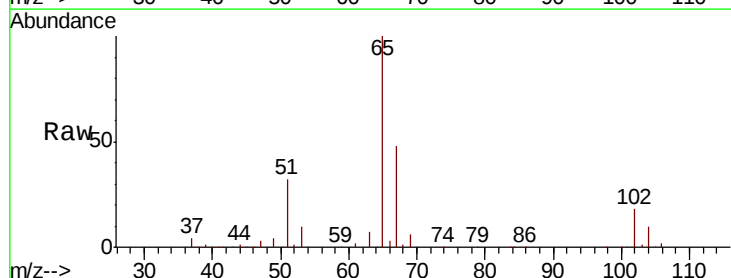


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

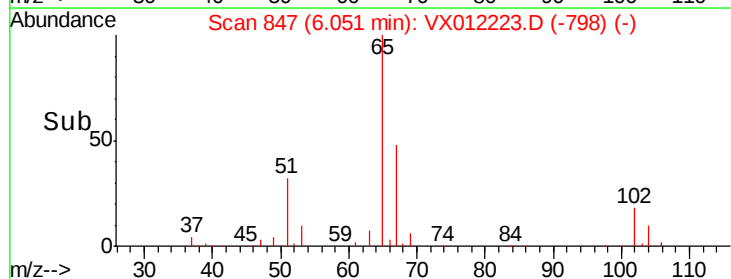
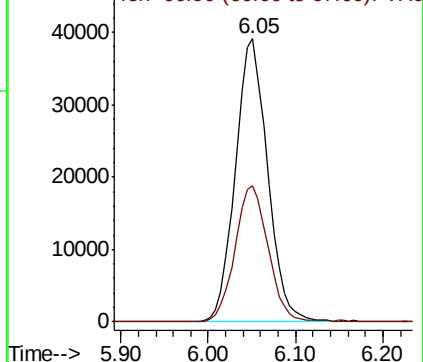


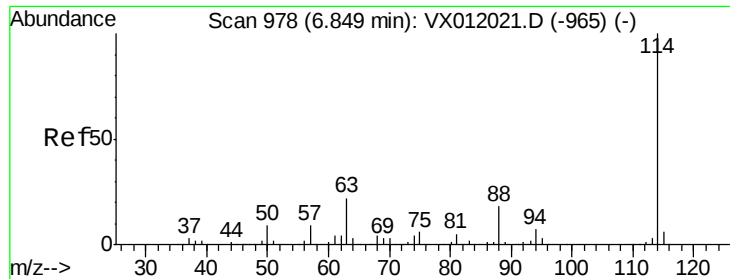
#33
1,2-Dichloroethane-d4
Concen: 48.838 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

Tgt Ion: 65 Resp: 100229
Ion Ratio Lower Upper
65 100
67 49.6 0.0 102.0



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

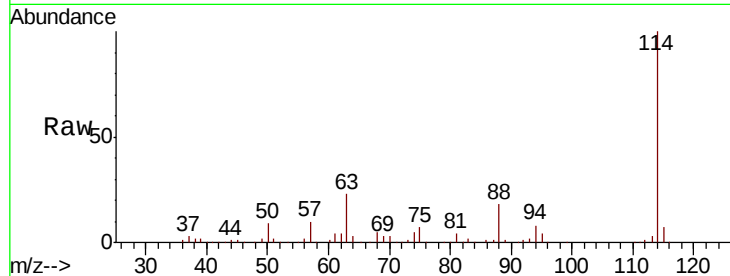




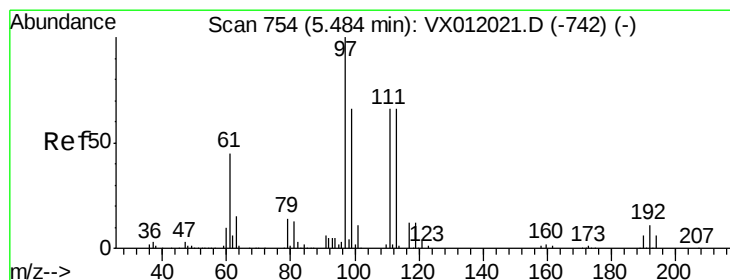
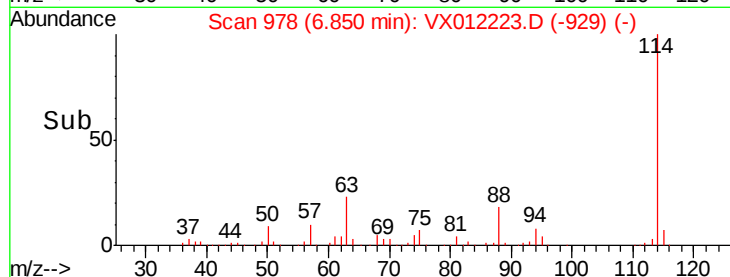
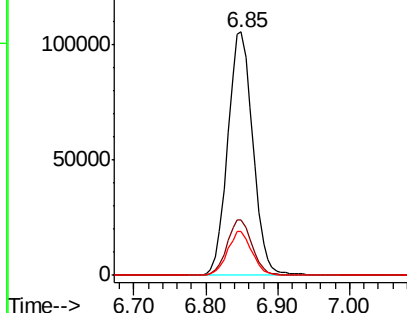
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012223.D
 Acq: 08 Sep 2019 15:16

Instrument :
 MSVOA_X
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 PAR-11-A2-(4)

Tgt Ion:114 Resp: 257078
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 37.4
 88 18.0 0.0 29.6

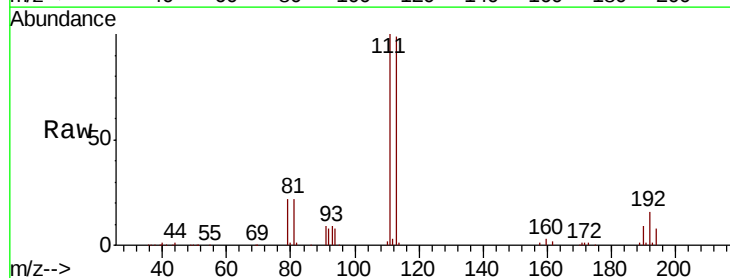


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

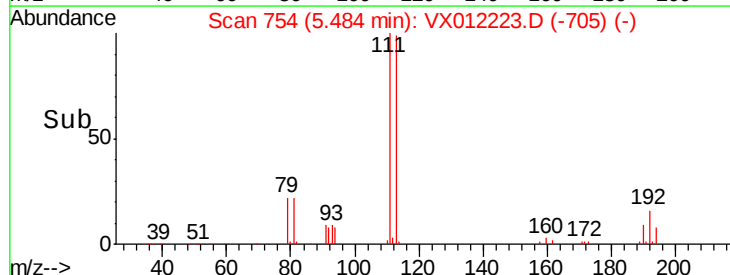
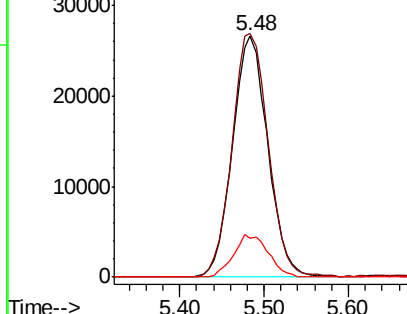


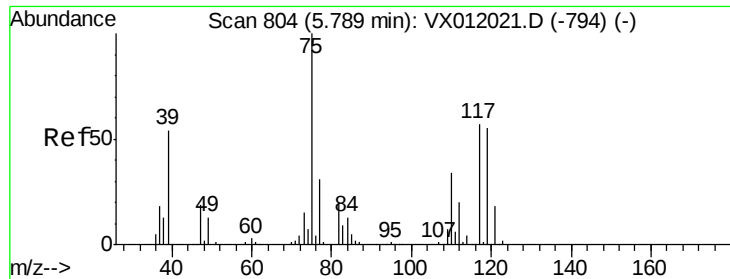
#35
 Dibromofluoromethane
 Concen: 47.683 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012223.D
 Acq: 08 Sep 2019 15:16

Tgt Ion:113 Resp: 75384
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.7 122.5
 192 17.4 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

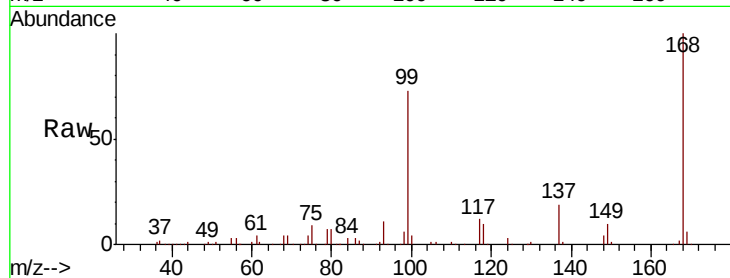




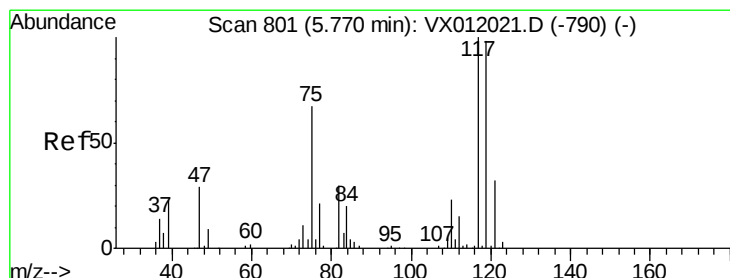
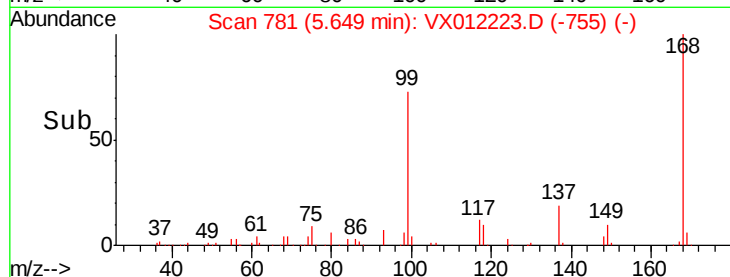
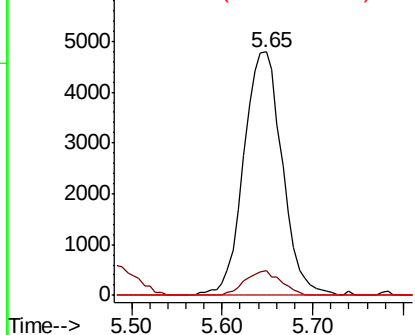
#36
 1,1-Dichloropropene
 Concen: 6.232 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012223.D
 Acq: 08 Sep 2019 15:16

Instrument :
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 PAR-11-A2-(4)

Tgt Ion: 75 Resp: 14110
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.5 58.5#
 77 0.0 24.6 37.0#

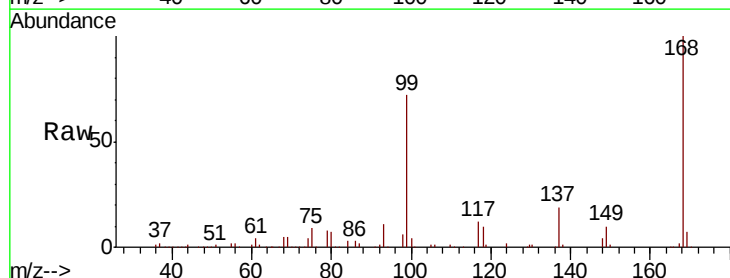


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

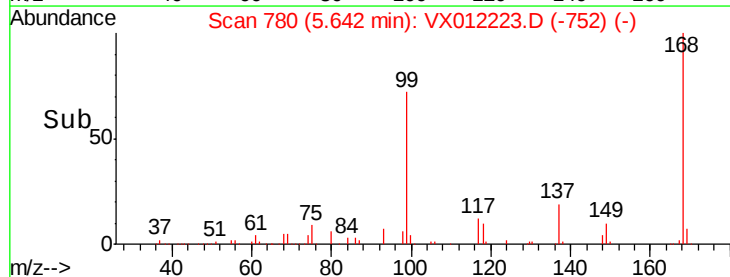
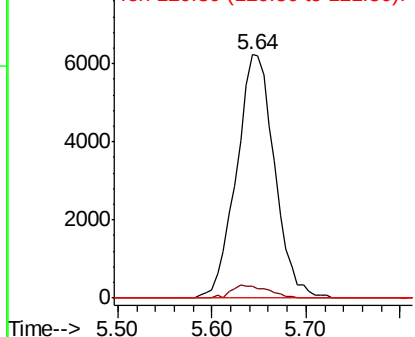


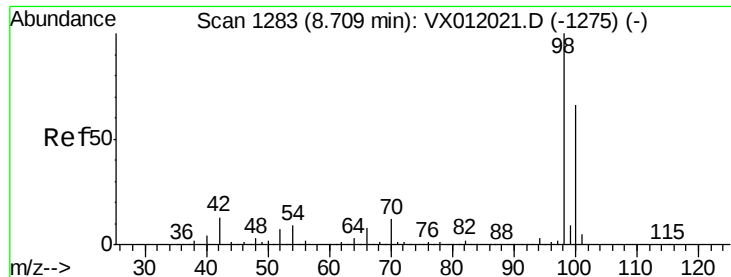
#38
 Carbon Tetrachloride
 Concen: 7.373 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012223.D
 Acq: 08 Sep 2019 15:16

Tgt Ion: 117 Resp: 17591
 Ion Ratio Lower Upper
 117 100
 119 5.1 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

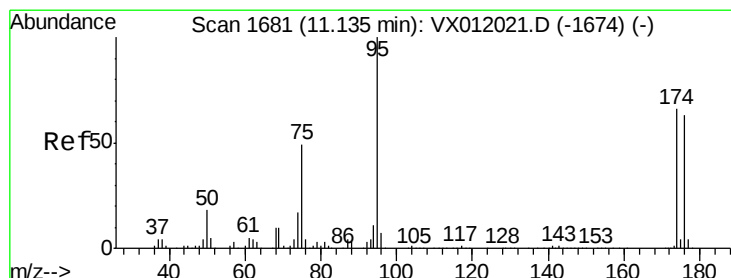
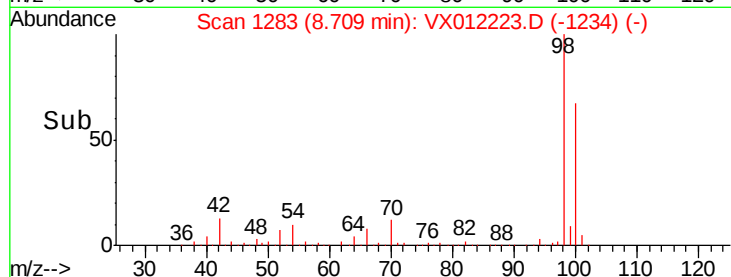
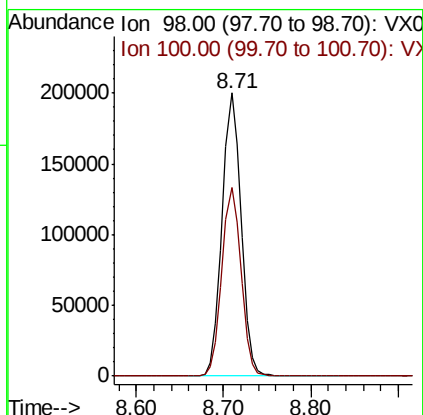
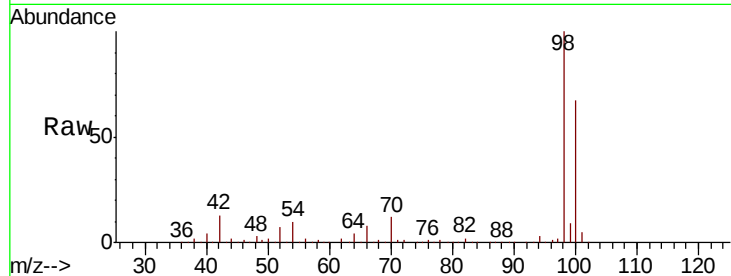




#50
Toluene-d8
Concen: 52.163 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

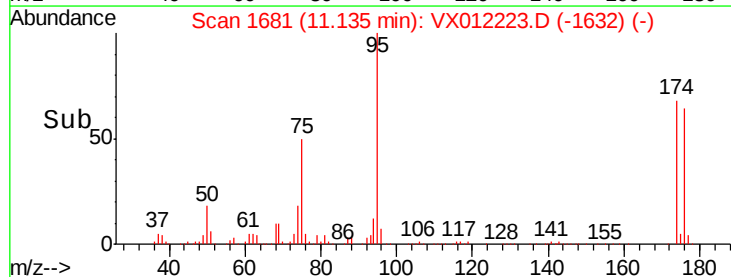
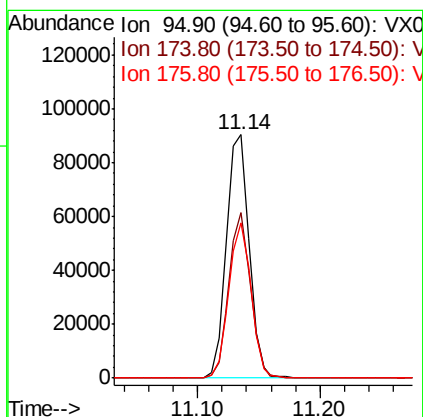
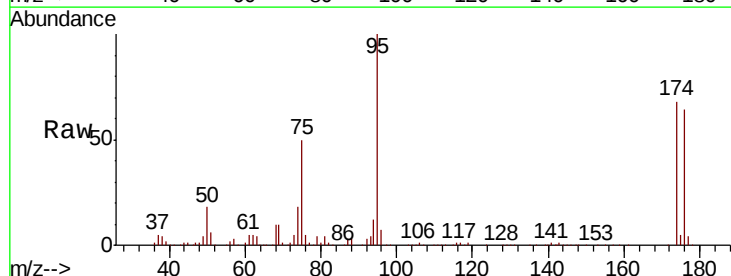
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A2-(4)

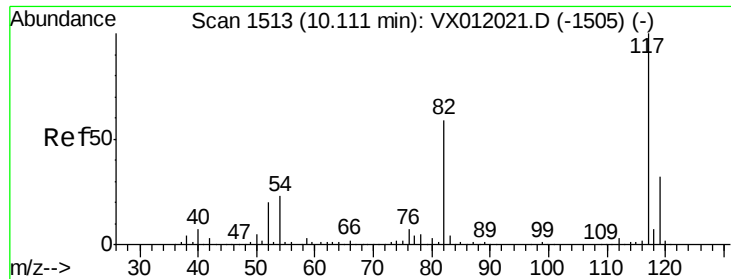
Tgt Ion: 98 Resp: 302615
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 42.986 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

Tgt Ion: 95 Resp: 115977
Ion Ratio Lower Upper
95 100
174 64.9 0.0 205.4
176 62.4 0.0 201.8

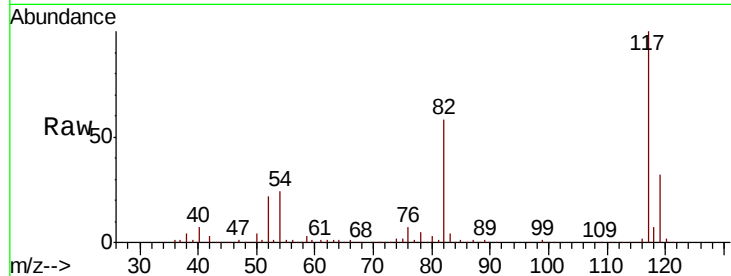




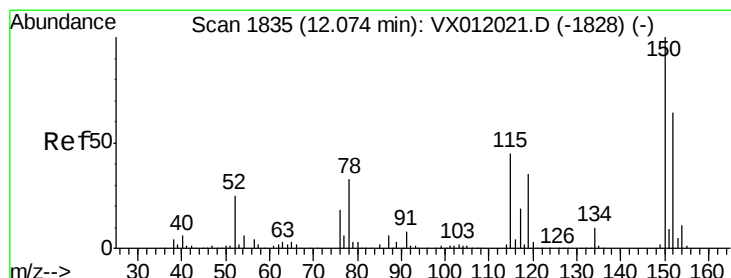
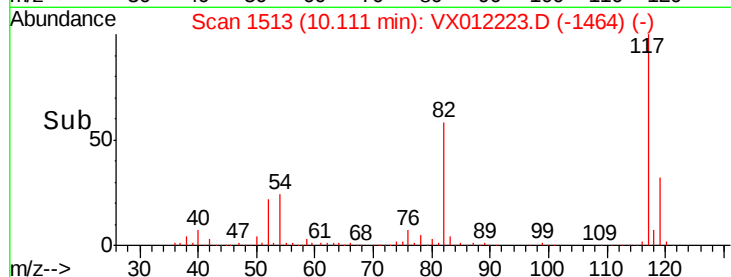
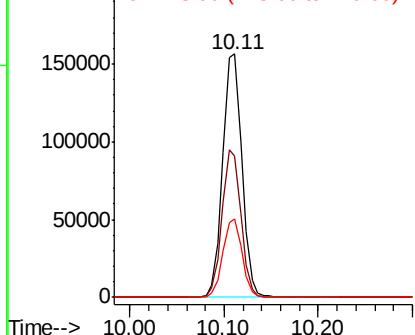
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A2-(4)

Tgt Ion:117 Resp: 222810
Ion Ratio Lower Upper
117 100
82 57.9 39.4 59.0
119 32.5 26.1 39.1

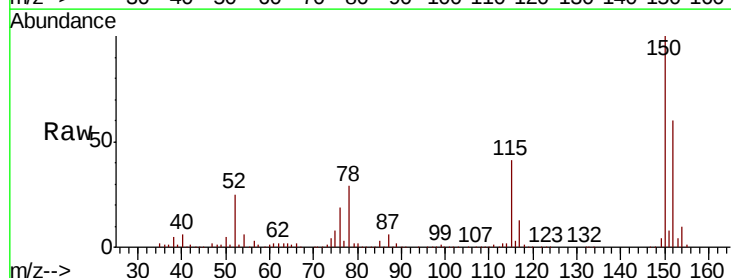


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

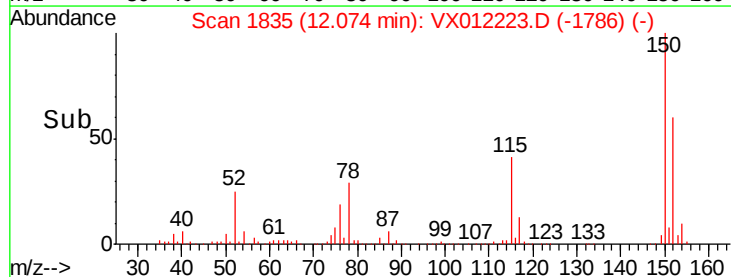
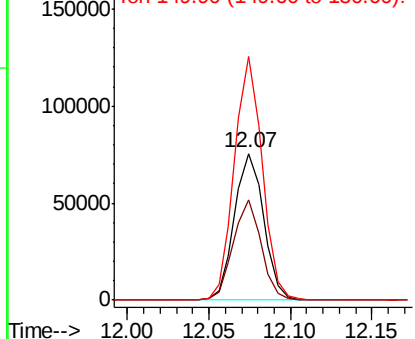


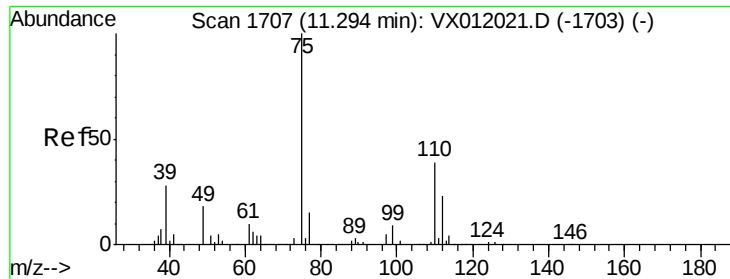
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012223.D
Acq: 08 Sep 2019 15:16

Tgt Ion:152 Resp: 94751
Ion Ratio Lower Upper
152 100
115 65.3 36.4 109.3
150 158.0 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

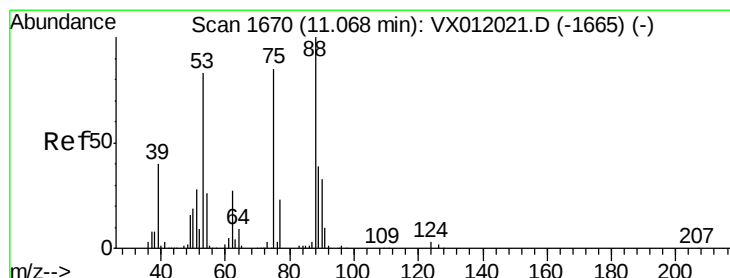
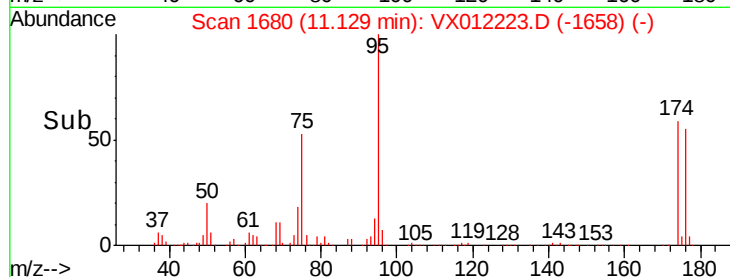
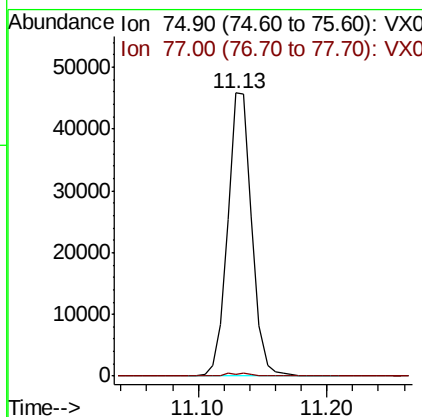
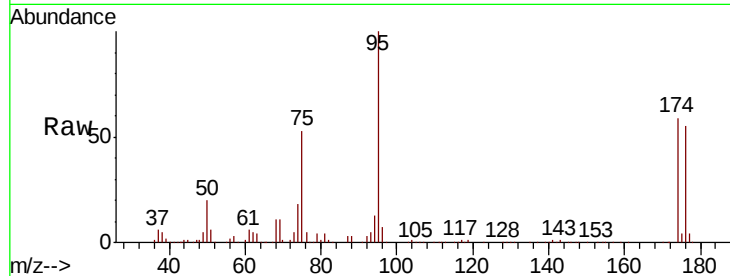




#76
 1,2,3-Trichloropropane
 Concen: 52.126 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012223.D
 Acq: 08 Sep 2019 15:16

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A2-(4)

Tgt Ion: 75 Resp: 60347
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.234 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012223.D
 Acq: 08 Sep 2019 15:16

Tgt Ion: 75 Resp: 60347
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.0 38.8 58.2#

