

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012218.D
 Acq On : 08 Sep 2019 12:56
 Operator : SY/SP
 Sample : K4622-02
 Misc : 5.48g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A1-(0)

Quant Time: Sep 09 01:48:50 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	147252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	252056	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101797	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	99346	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	5.48	113	74390	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	296119	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	11.14	95	119332	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

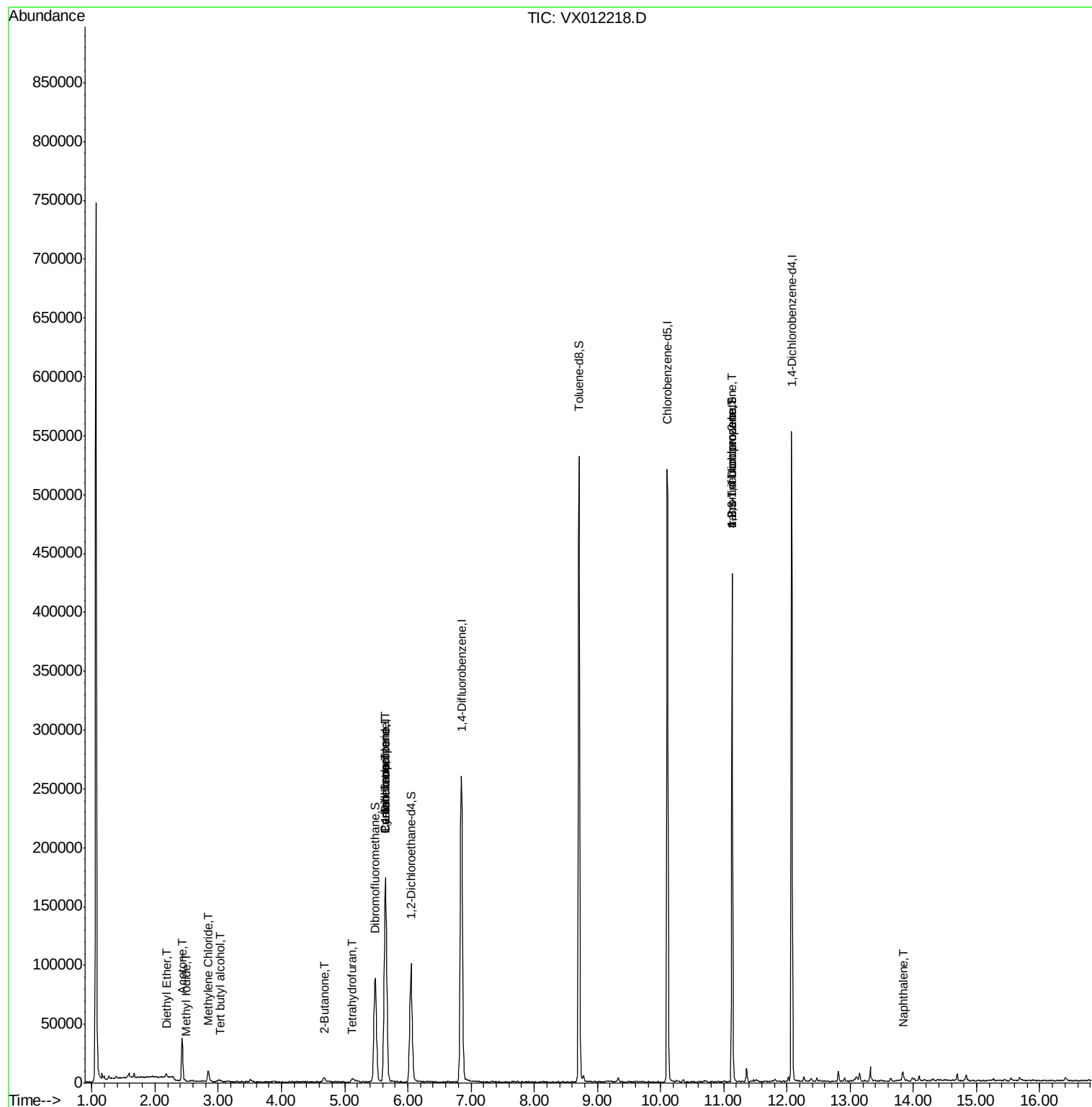
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	845	1.203	ug/l	93
10) Methyl Iodide	2.50	142	161	7.079	ug/l #	40
11) Tert butyl alcohol	3.02	59	1812	9.285	ug/l #	81
13) Acrolein	2.26	56	170	Below Cal	#	1
16) Acetone	2.43	43	40396	83.181	ug/l	99
20) Methylene Chloride	2.84	84	4485	2.300	ug/l	92
25) 2-Butanone	4.67	43	1784	2.886	ug/l	91
29) Tetrahydrofuran	5.12	42	2899	7.783	ug/l	88
31) Cyclohexane	5.64	56	4010	1.610	ug/l #	25
36) 1,1-Dichloropropene	5.64	75	13500	6.081	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17134	7.325	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	63133	50.758	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	63133	120.000	ug/l #	10
95) Naphthalene	13.83	128	4759	1.025	ug/l	98

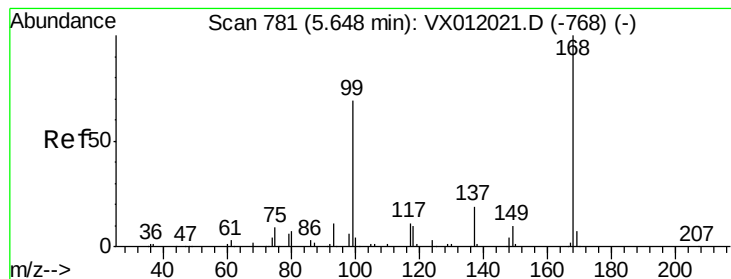
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012218.D

Acq: 08 Sep 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

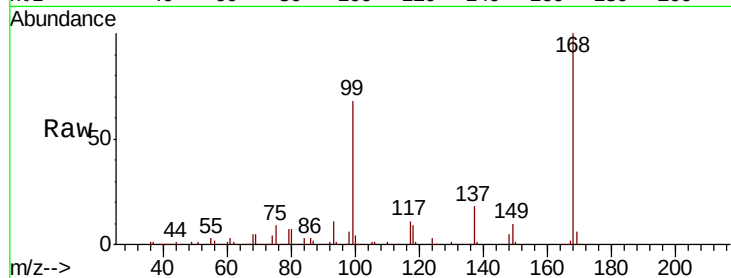
PAR-11-A1-(0)

Tgt Ion:168 Resp: 147252

Ion Ratio Lower Upper

168 100

99 68.0 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

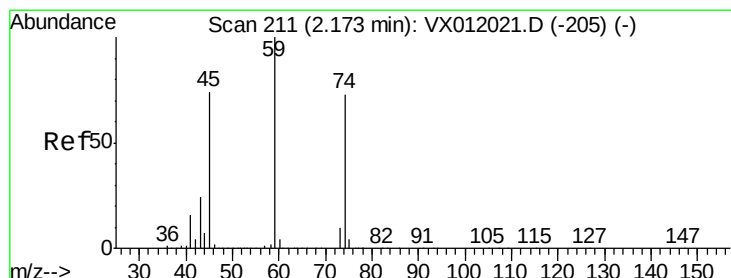
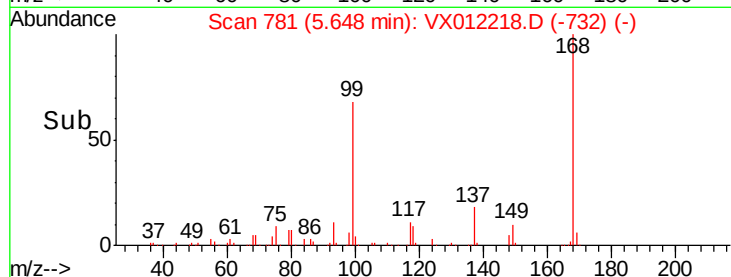
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.203 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012218.D

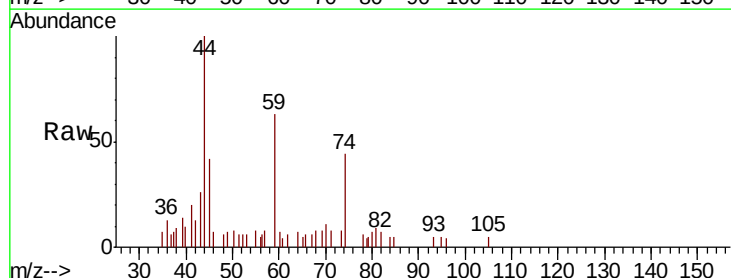
Acq: 08 Sep 2019 12:56

Tgt Ion: 74 Resp: 845

Ion Ratio Lower Upper

74 100

45 85.3 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

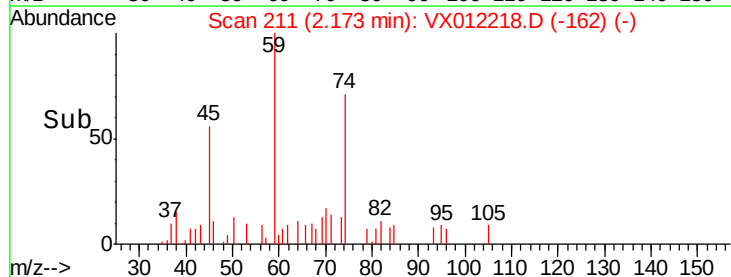
400

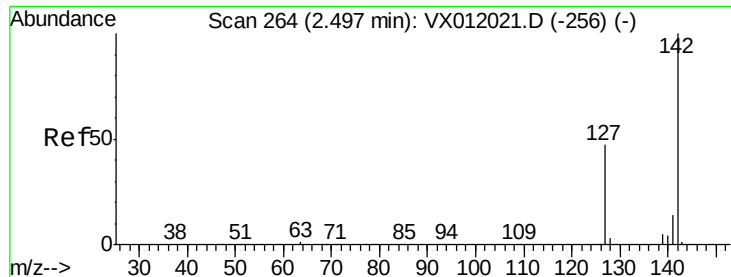
200

0

Time-->

2.15 2.20

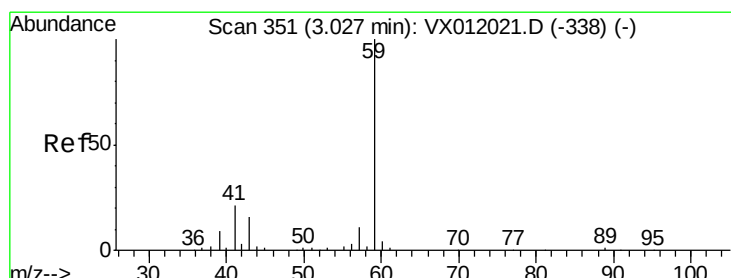
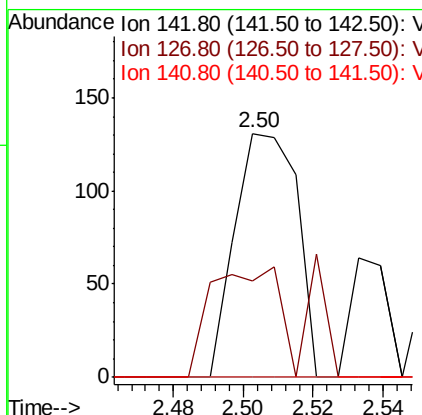
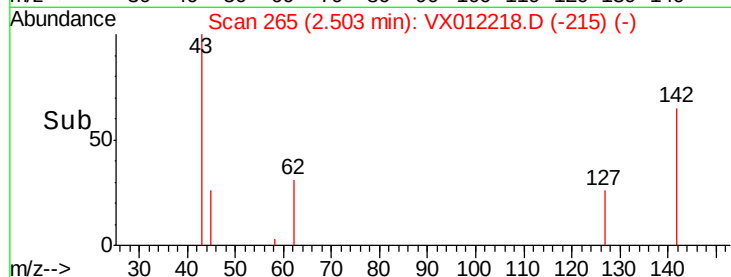
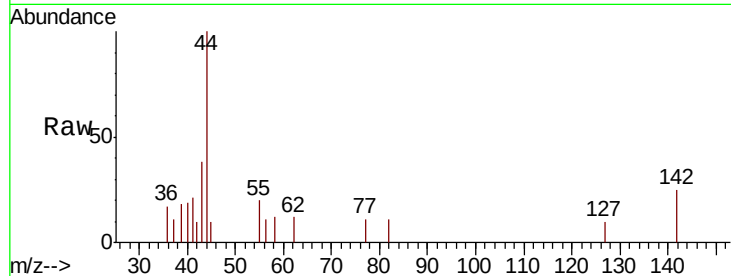




#10
Methyl Iodide
Concen: 7.079 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

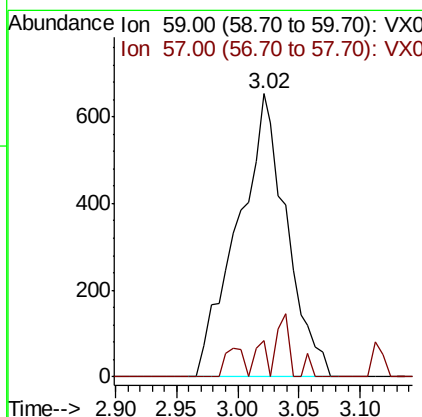
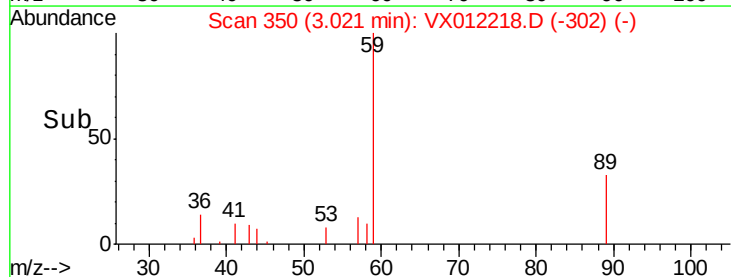
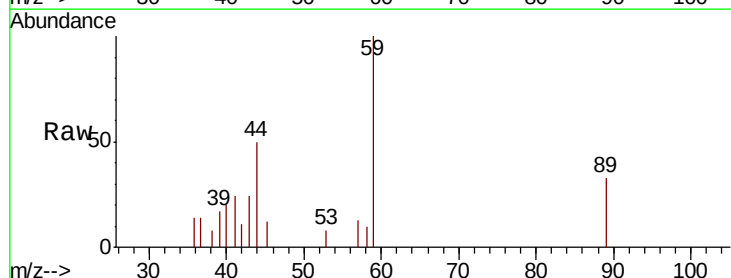
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(0)

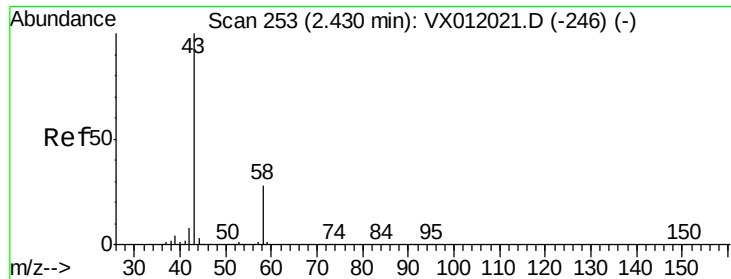
Tgt Ion: 142 Resp: 161
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 9.285 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

Tgt Ion: 59 Resp: 1812
Ion Ratio Lower Upper
59 100
57 3.0 7.9 11.9#





#16

Acetone

Concen: 83.181 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

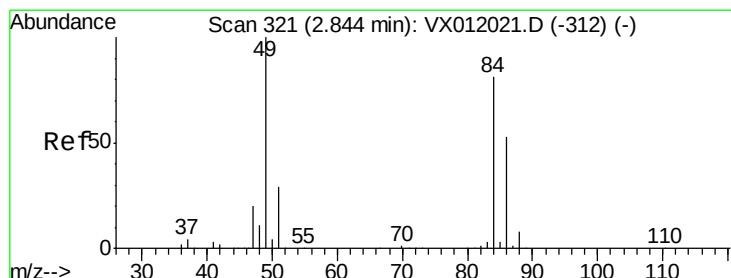
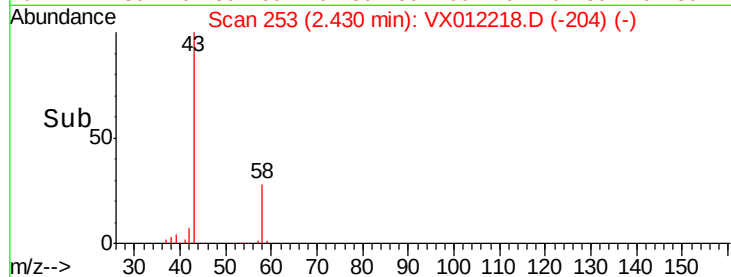
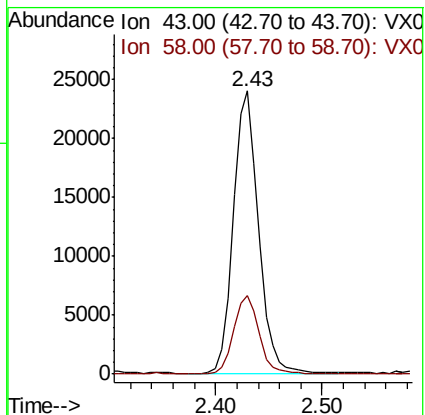
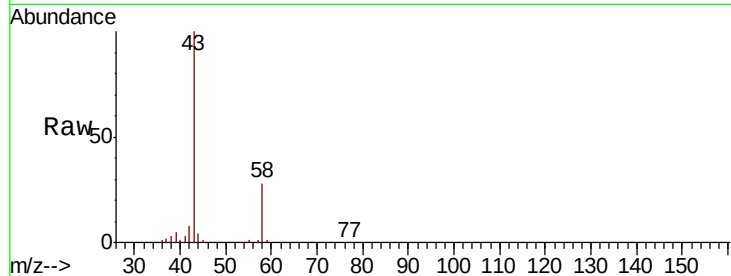
PAR-11-A1-(0)

Tgt Ion: 43 Resp: 40396

Ion Ratio Lower Upper

43 100

58 27.8 22.8 34.2



#20

Methylene Chloride

Concen: 2.300 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

Tgt Ion: 84 Resp: 4485

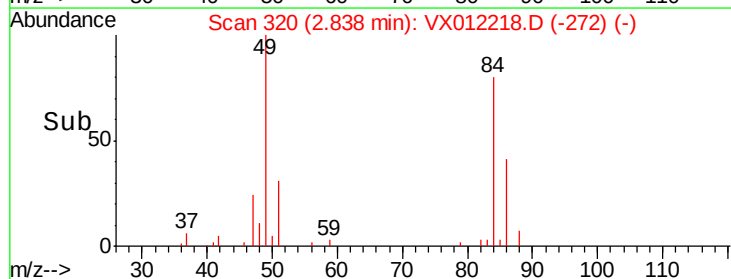
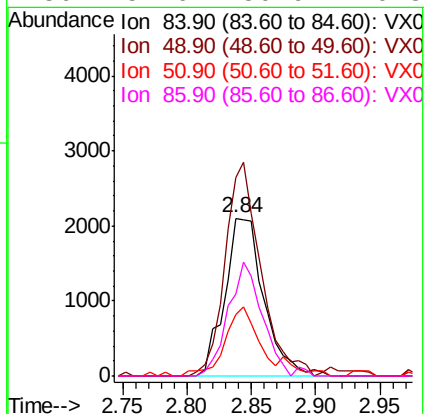
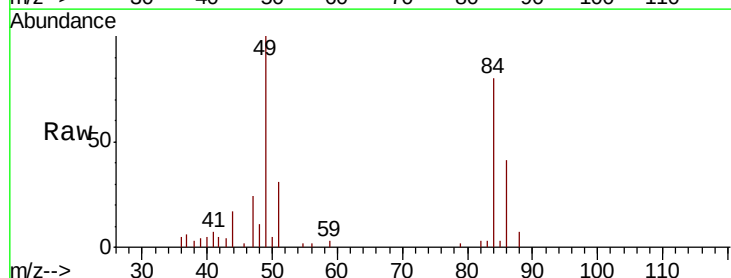
Ion Ratio Lower Upper

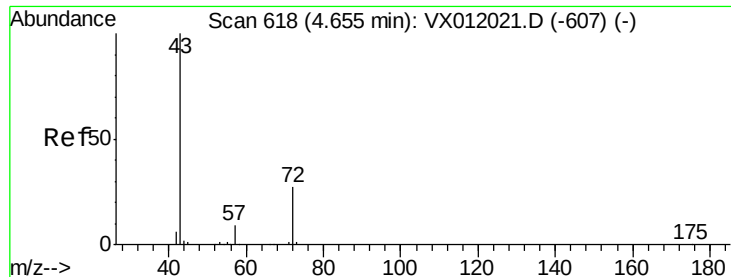
84 100

49 125.4 95.8 143.8

51 38.7 28.6 43.0

86 51.6 50.9 76.3





#25

2-Butanone

Concen: 2.886 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

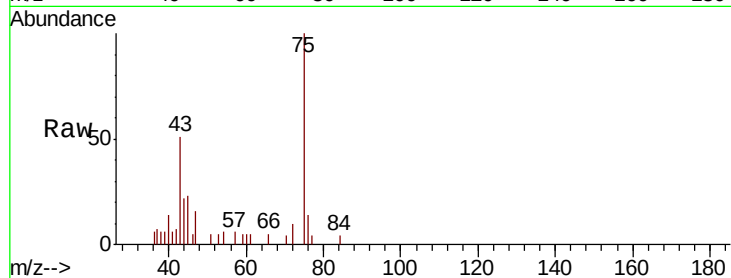
PAR-11-A1-(0)

Tgt Ion: 43 Resp: 1784

Ion Ratio Lower Upper

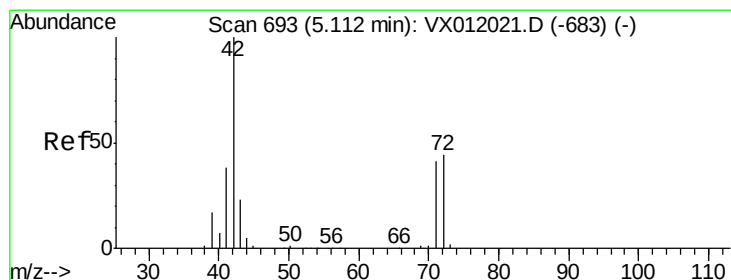
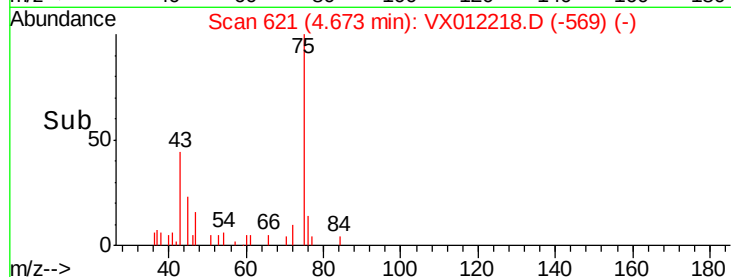
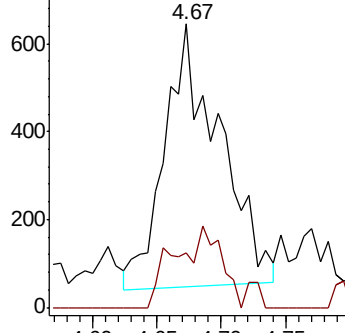
43 100

72 22.1 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 7.783 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

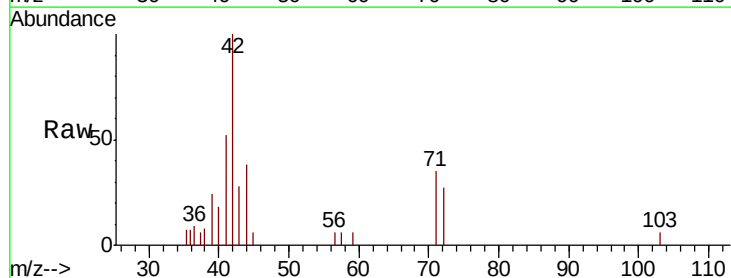
Tgt Ion: 42 Resp: 2899

Ion Ratio Lower Upper

42 100

72 38.0 37.0 55.4

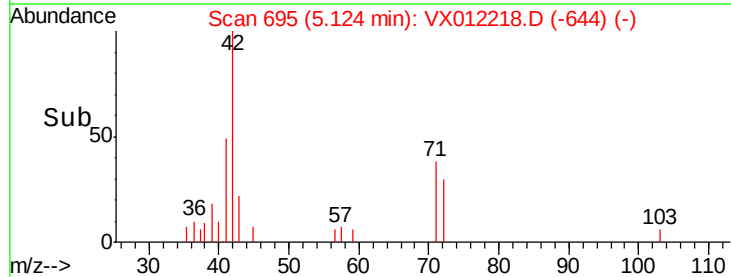
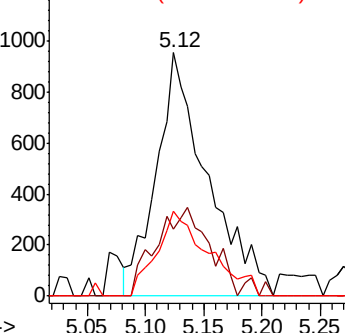
71 35.5 33.8 50.8

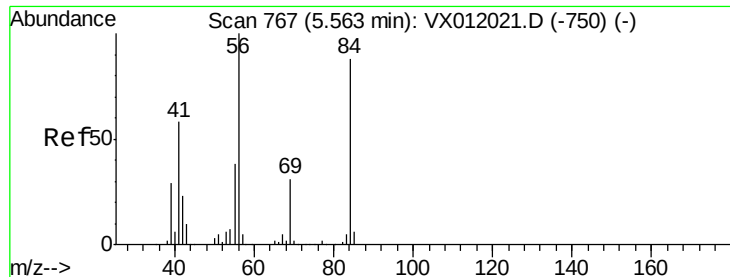


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

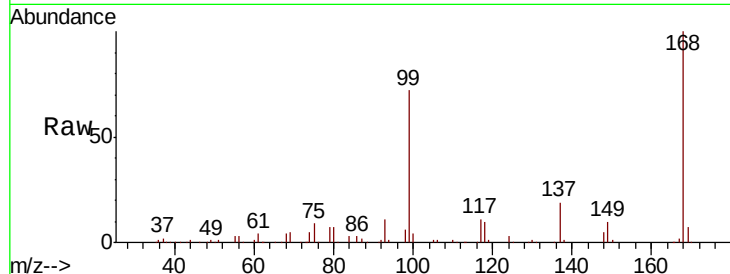




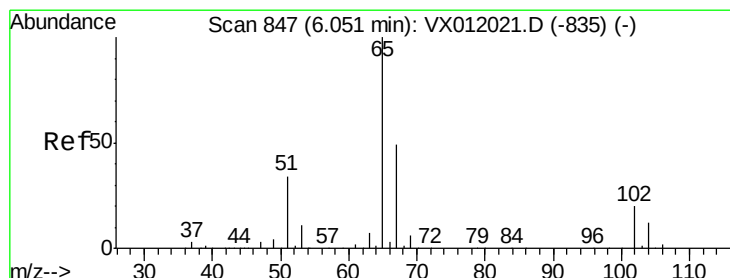
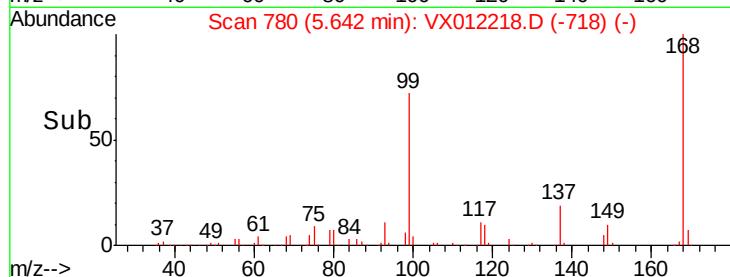
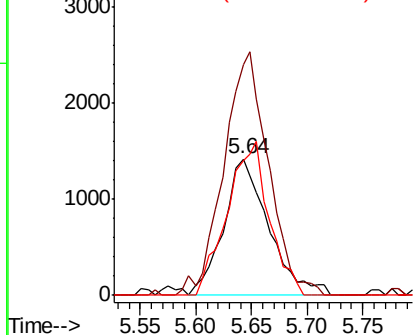
#31
Cyclohexane
Concen: 1.610 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(0)

Tgt Ion: 56 Resp: 4010
Ion Ratio Lower Upper
56 100
69 169.7 25.7 38.5#
84 99.5 70.3 105.5

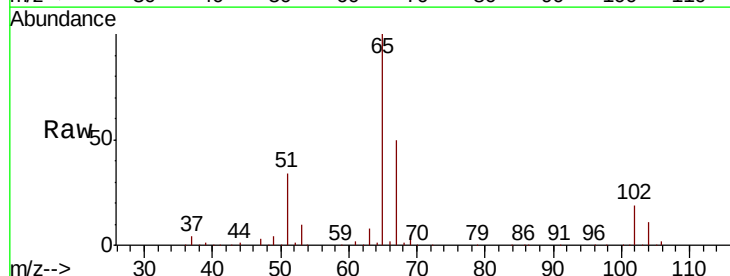


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

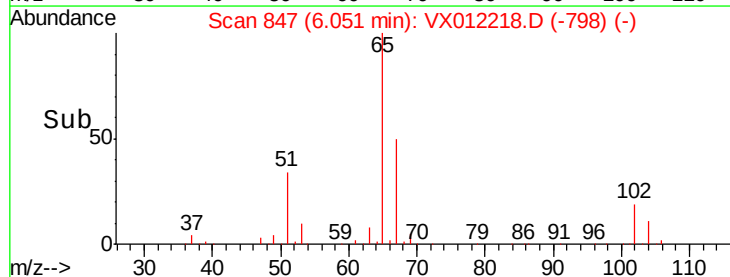
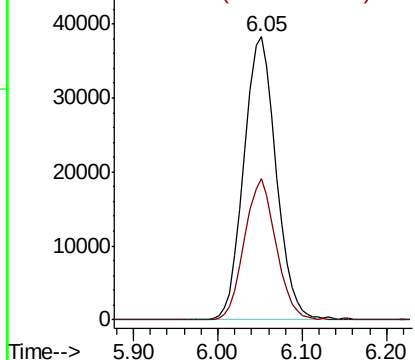


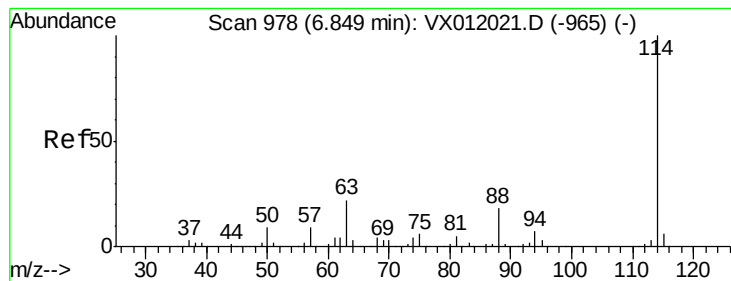
#33
1,2-Dichloroethane-d4
Concen: 48.896 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

Tgt Ion: 65 Resp: 99346
Ion Ratio Lower Upper
65 100
67 48.9 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: VX012218.D

Acq: 08 Sep 2019 12:56

Instrument :

MSVOA_X

ClientSampled :

PAR-11-A1-(0)

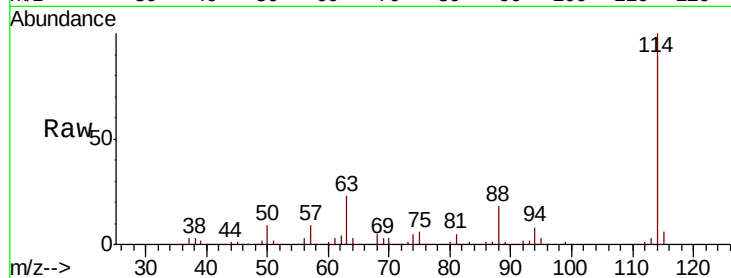
Tgt Ion:114 Resp: 252056

Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.4

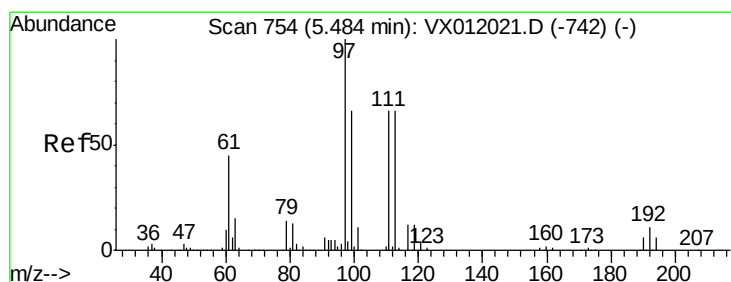
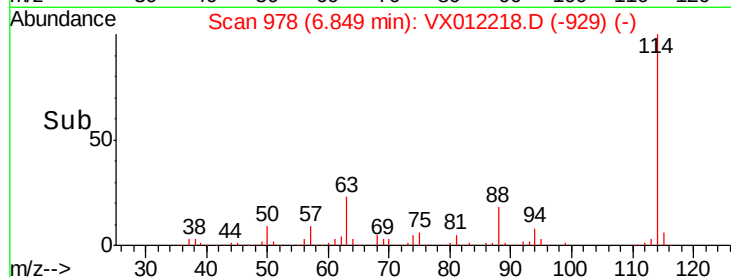
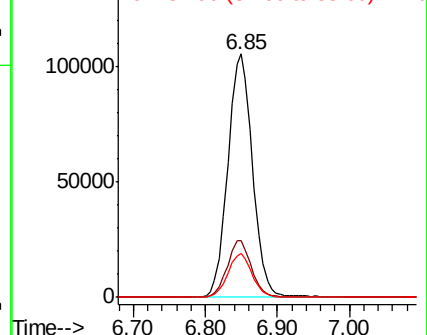
88 17.9 0.0 29.6



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: 47.991 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

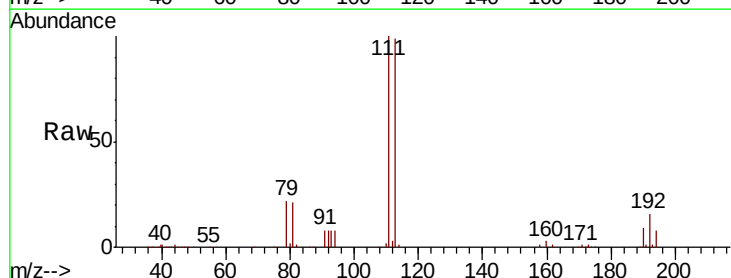
Tgt Ion:113 Resp: 74390

Ion Ratio Lower Upper

113 100

111 102.7 81.7 122.5

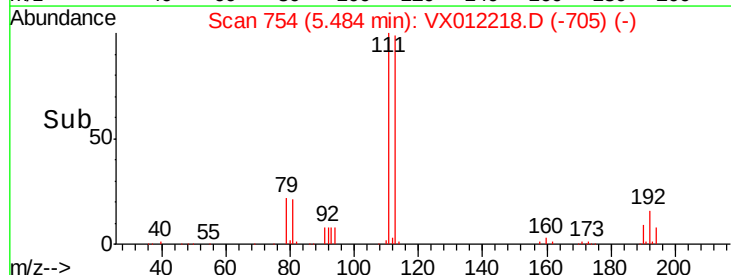
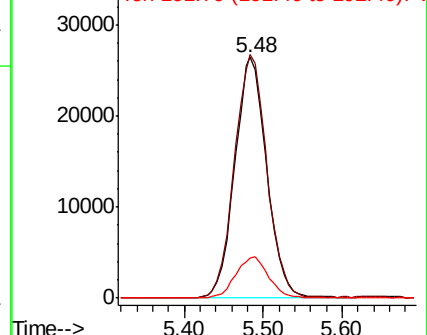
192 17.6 22.5 33.7#

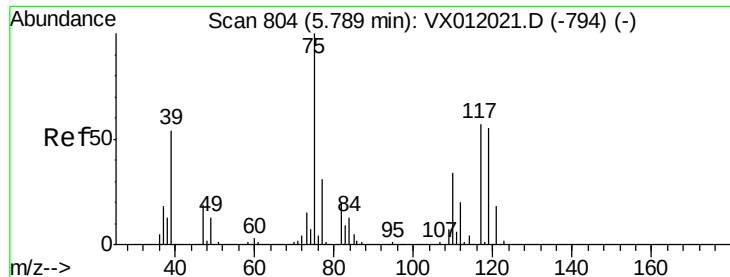


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

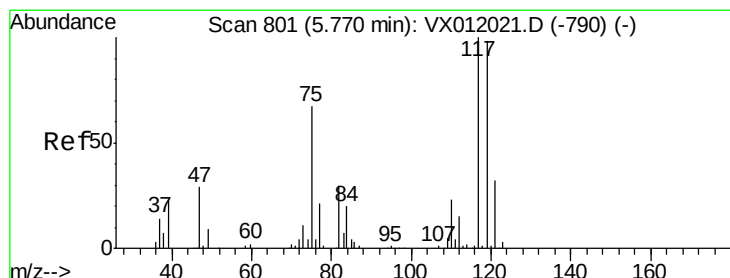
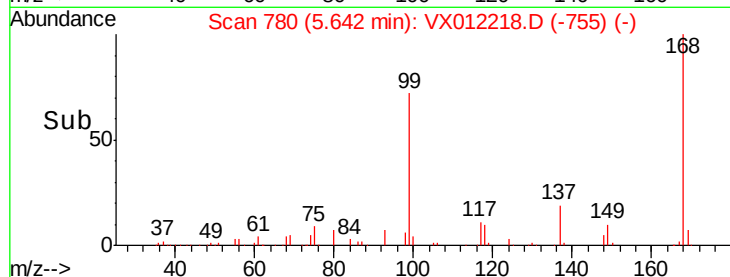
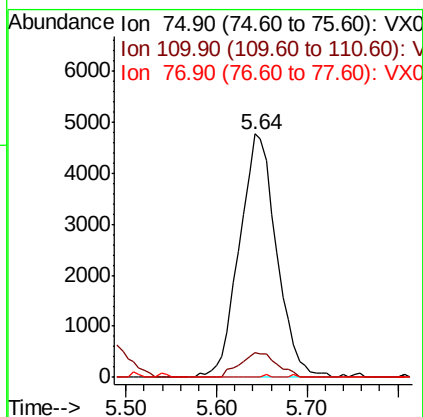
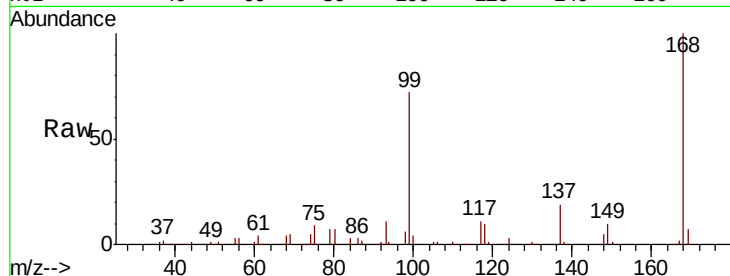




#36
 1,1-Dichloropropene
 Concen: 6.081 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012218.D
 Acq: 08 Sep 2019 12:56

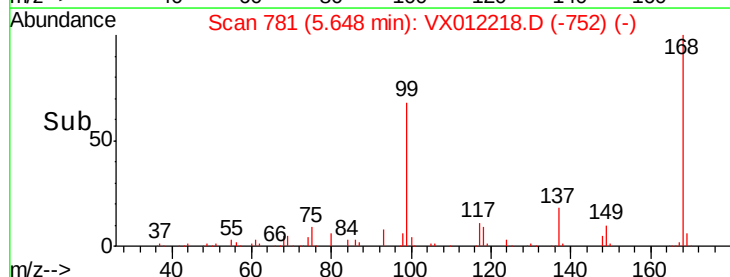
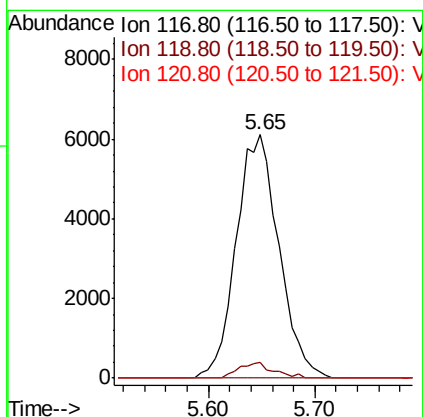
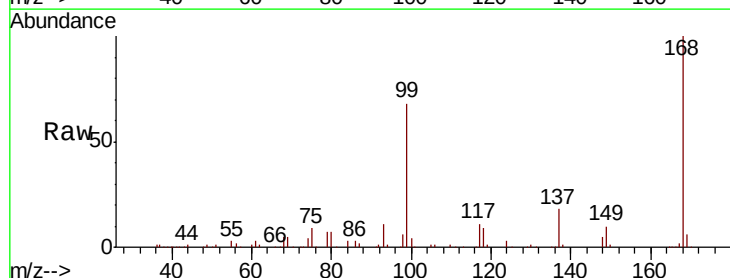
Instrument :
 MSVOA_X
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 PAR-11-A1-(0)

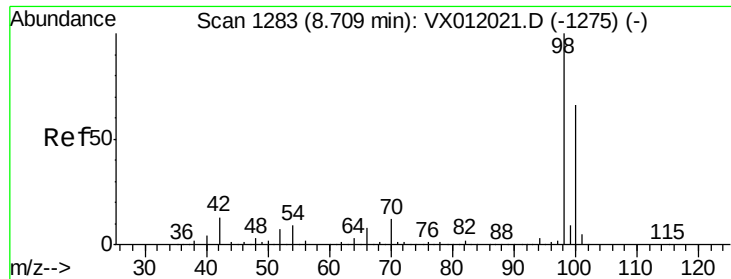
Tgt Ion: 75 Resp: 13500
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.325 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012218.D
 Acq: 08 Sep 2019 12:56

Tgt Ion: 117 Resp: 17134
 Ion Ratio Lower Upper
 117 100
 119 6.4 78.3 117.5#
 121 0.0 24.2 36.2#

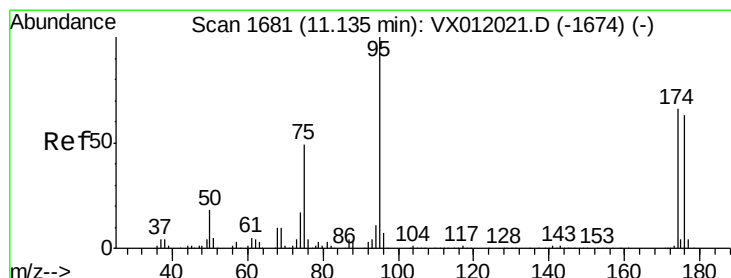
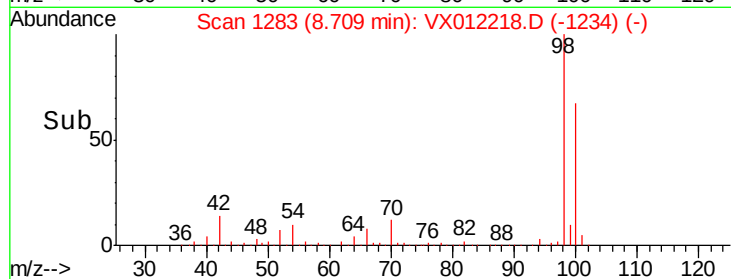
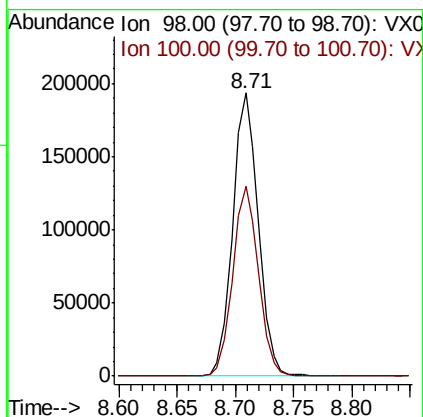
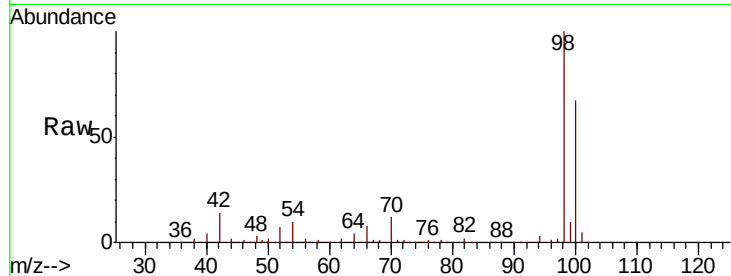




#50
Toluene-d8
Concen: 52.060 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

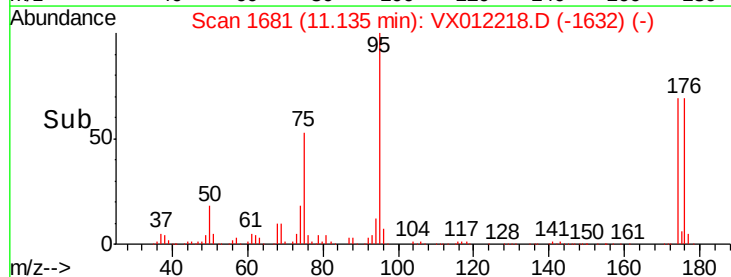
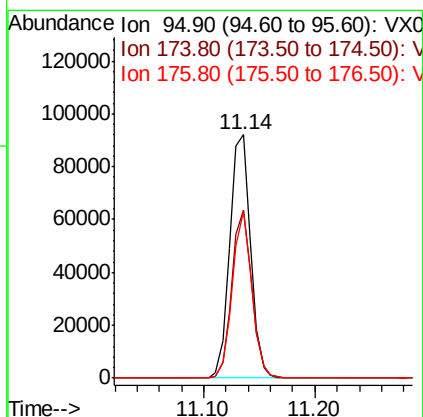
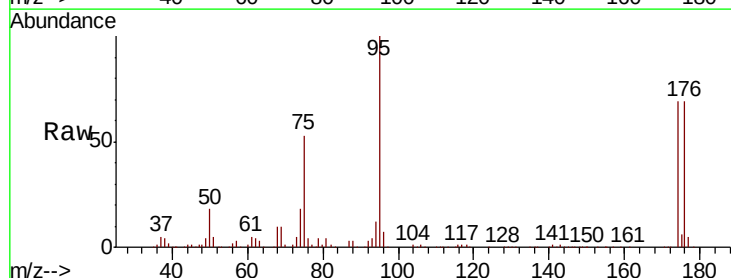
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(0)

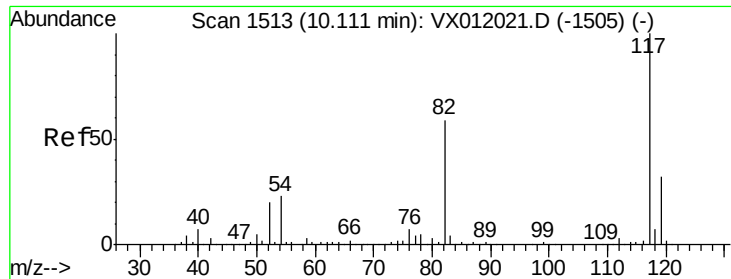
Tgt Ion: 98 Resp: 296119
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 45.111 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

Tgt Ion: 95 Resp: 119332
Ion Ratio Lower Upper
95 100
174 66.2 0.0 205.4
176 63.9 0.0 201.8

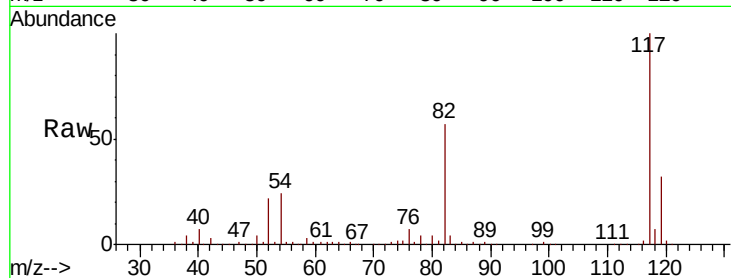




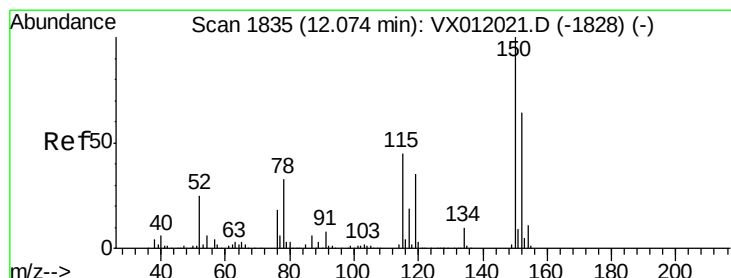
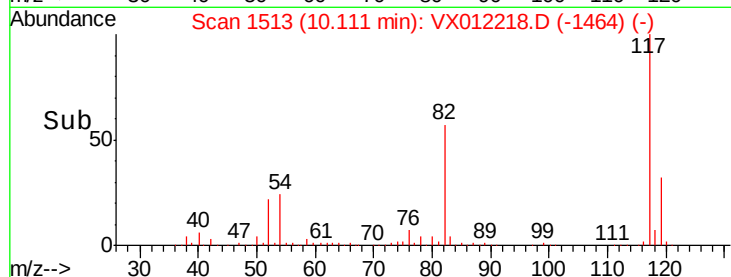
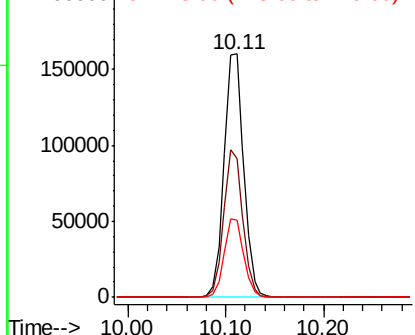
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(0)

Tgt Ion:117 Resp: 224273
Ion Ratio Lower Upper
117 100
82 57.1 39.4 59.0
119 31.7 26.1 39.1

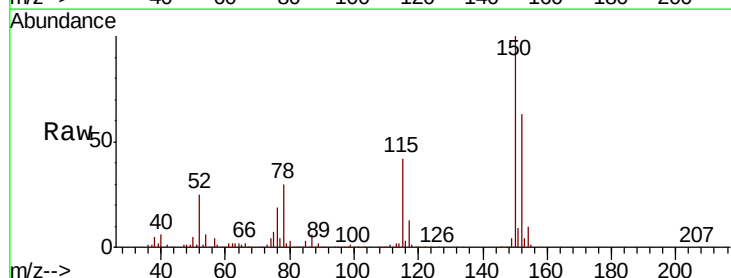


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

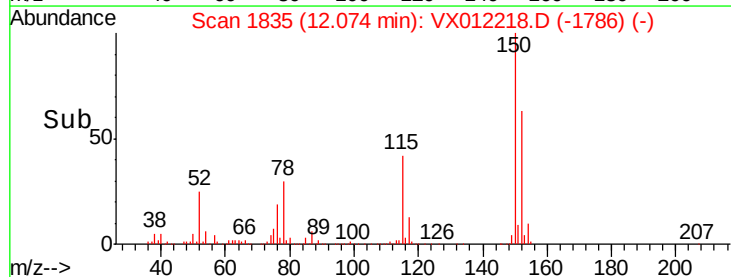
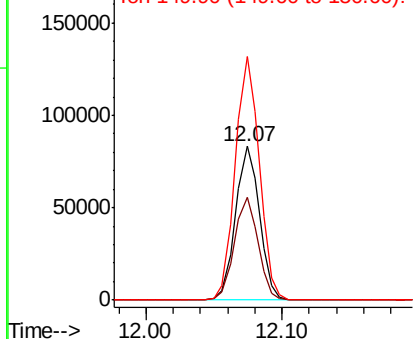


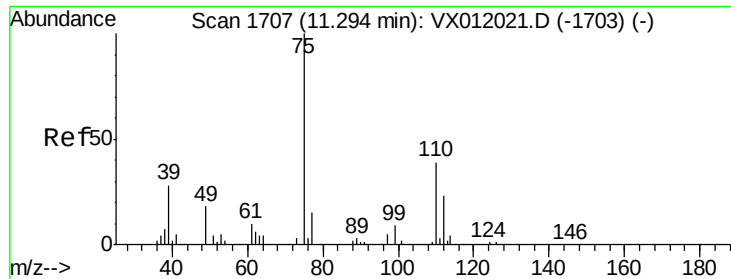
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012218.D
Acq: 08 Sep 2019 12:56

Tgt Ion:152 Resp: 101797
Ion Ratio Lower Upper
152 100
115 66.4 36.4 109.3
150 159.3 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: 50.758 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

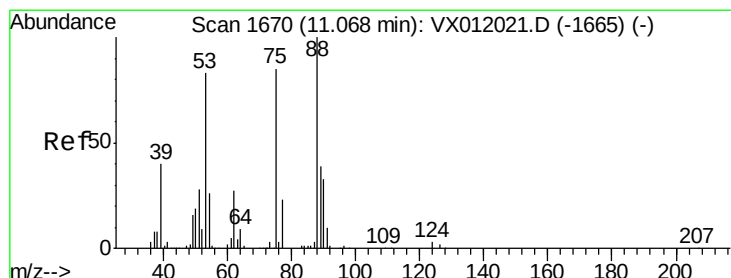
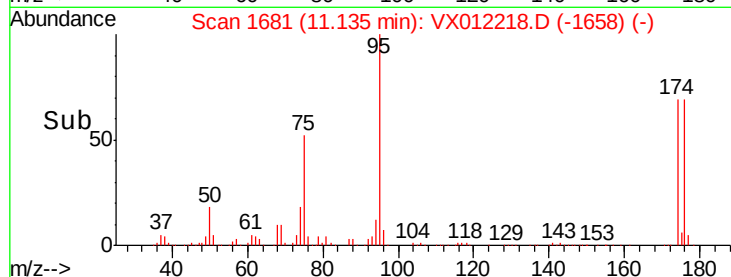
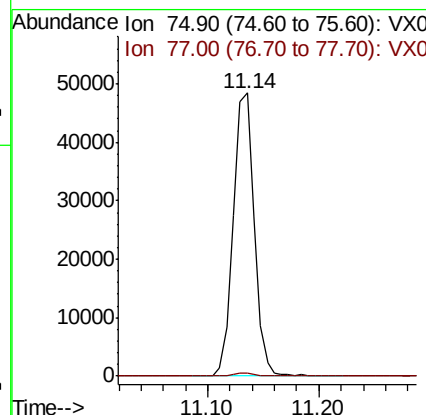
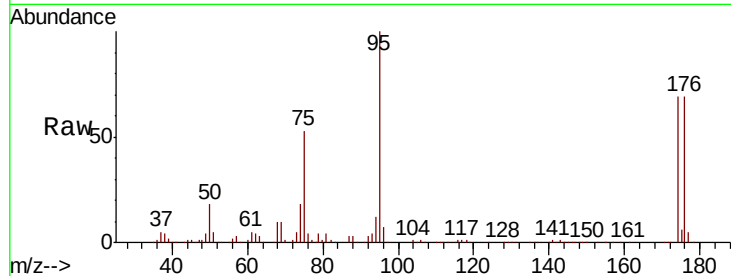
PAR-11-A1-(0)

Tgt Ion: 75 Resp: 63133

Ion Ratio Lower Upper

75 100

77 1.2 23.5 70.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.000 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

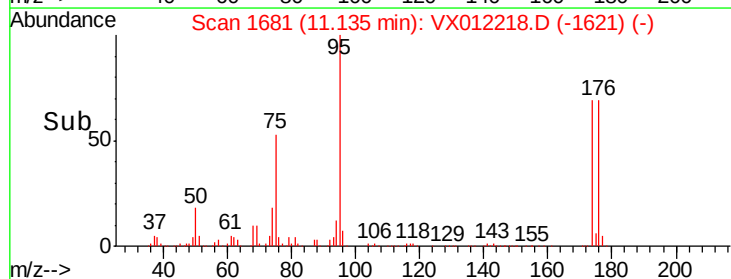
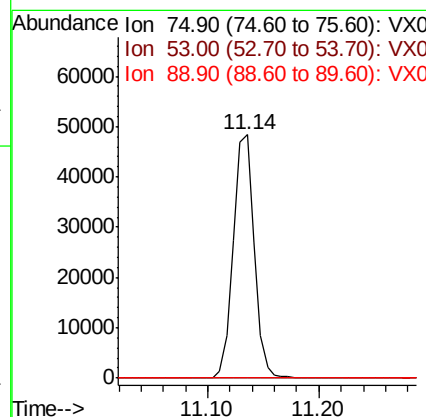
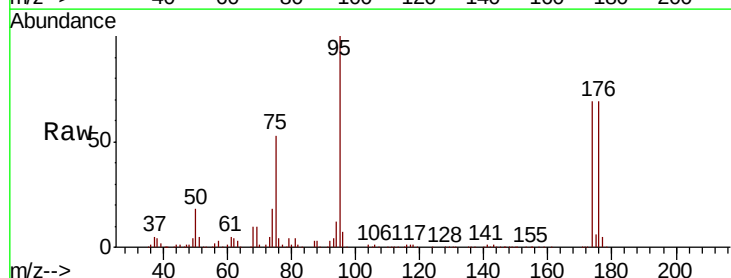
Tgt Ion: 75 Resp: 63133

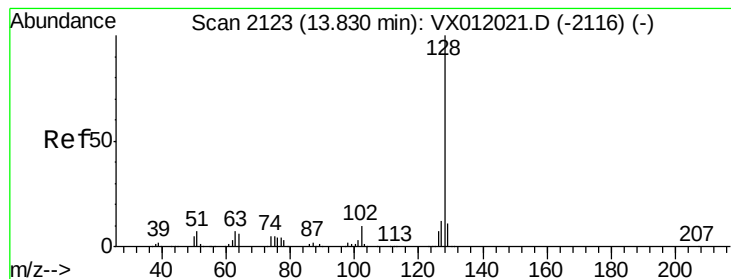
Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.1 38.8 58.2#





#95

Naphthalene

Concen: 1.025 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012218.D

Acq: 08 Sep 2019 12:56

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A1-(0)

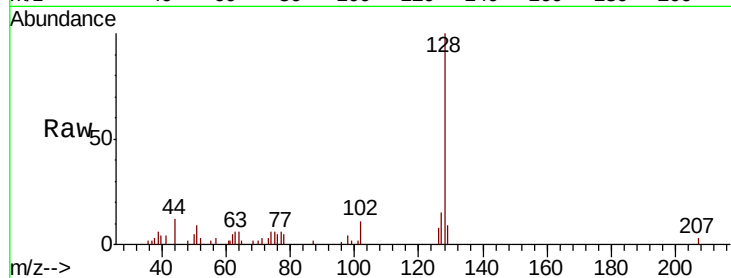
Tgt Ion:128 Resp: 4759

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

