

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012222.D
 Acq On : 08 Sep 2019 14:47
 Operator : SY/SP
 Sample : K4622-06
 Misc : 5.38g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A1-(4)

Quant Time: Sep 09 01:49:58 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	140300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	243704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96484	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	95883	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.48	113	71730	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	290958	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.13	95	118063	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

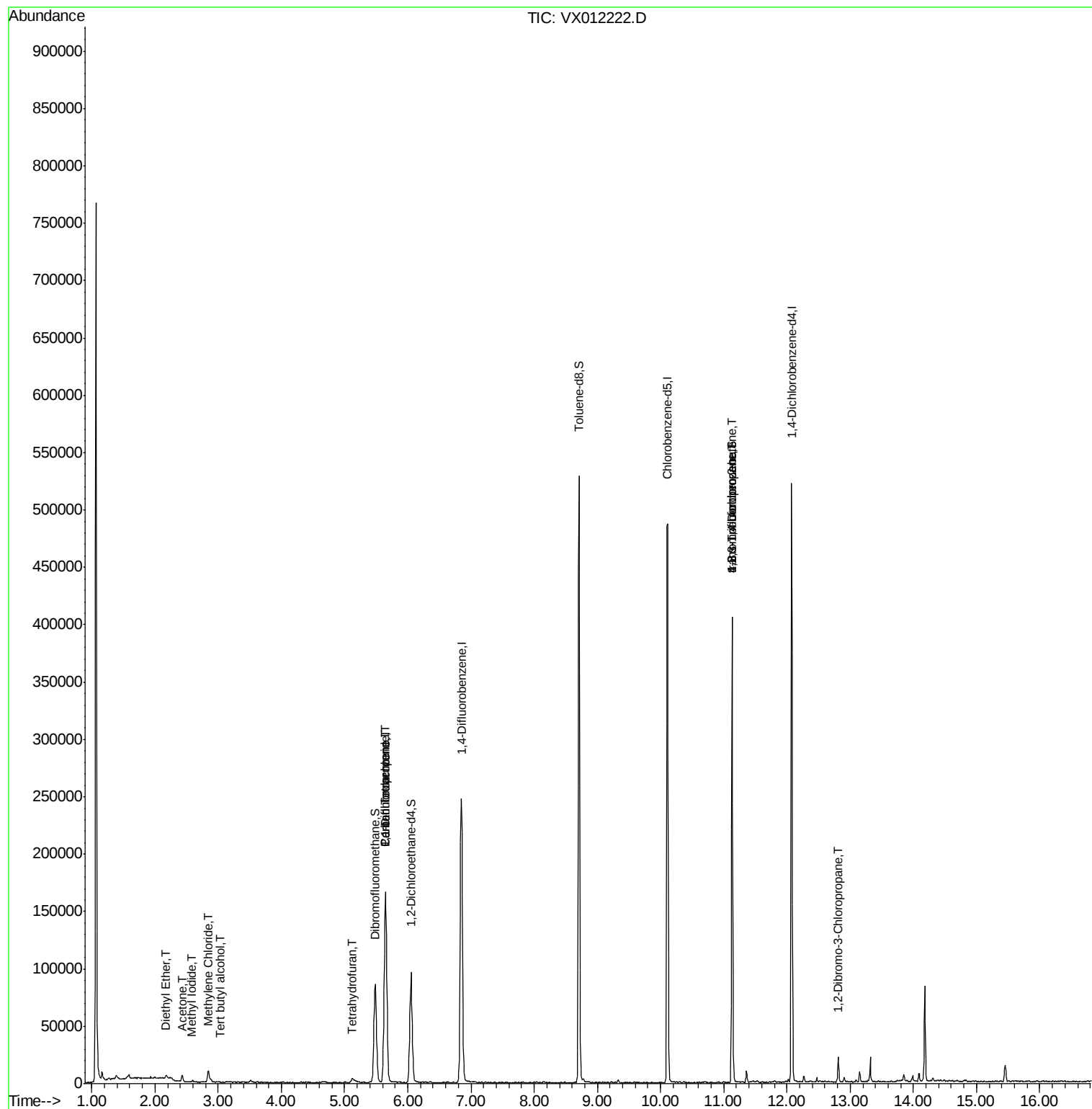
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	911	1.362	ug/l	87
10) Methyl Iodide	2.58	142	19	7.000	ug/l #	40
11) Tert butyl alcohol	3.03	59	414	2.227	ug/l #	61
13) Acrolein	2.30	56	58	Below Cal	#	12
16) Acetone	2.43	43	6774	14.640	ug/l	94
20) Methylene Chloride	2.84	84	4599	2.475	ug/l #	93
29) Tetrahydrofuran	5.12	42	3449	9.719	ug/l	99
36) 1,1-Dichloropropene	5.64	75	12692	5.913	ug/l #	49
38) Carbon Tetrachloride	5.64	117	16783	7.420	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	60493	51.314	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	60493	121.313	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	725	2.348	ug/l #	1

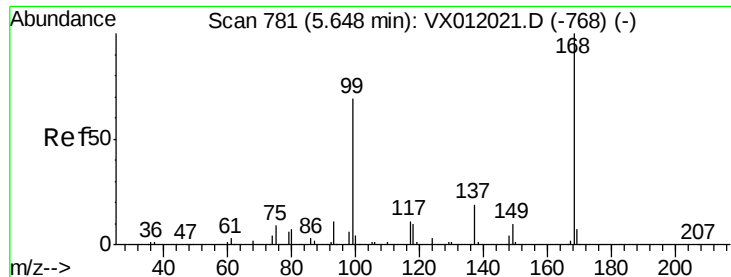
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
Data File : VX012222.D
Acq On : 08 Sep 2019 14:47
Operator : SY/SP
Sample : K4622-06
Misc : 5.38g/5.0mL/MSVOA_X/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(4)

Quant Time: Sep 09 01:49:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
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: VX012222.D

Acq: 08 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

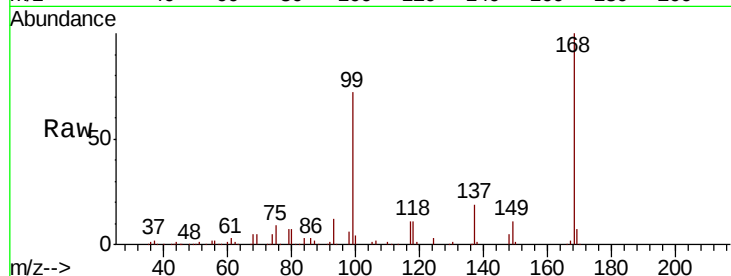
PAR-11-A1-(4)

Tgt Ion:168 Resp: 140300

Ion Ratio Lower Upper

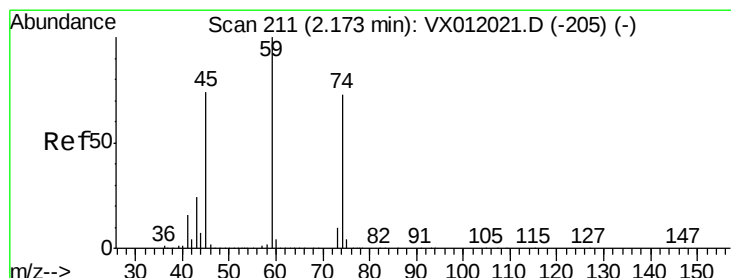
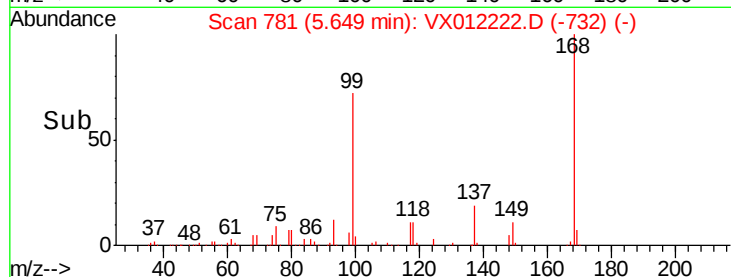
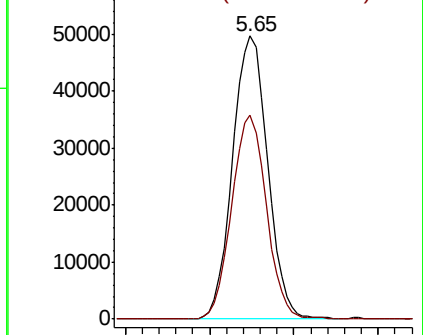
168 100

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



#8

Diethyl Ether

Concen: 1.362 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012222.D

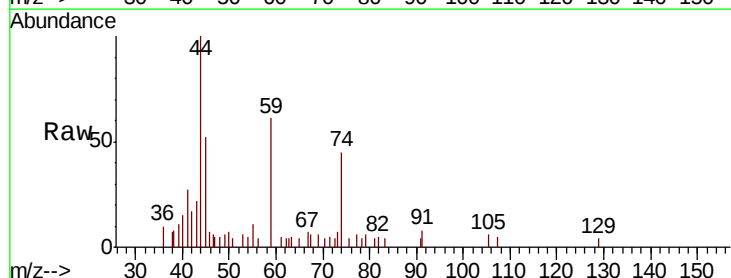
Acq: 08 Sep 2019 14:47

Tgt Ion: 74 Resp: 911

Ion Ratio Lower Upper

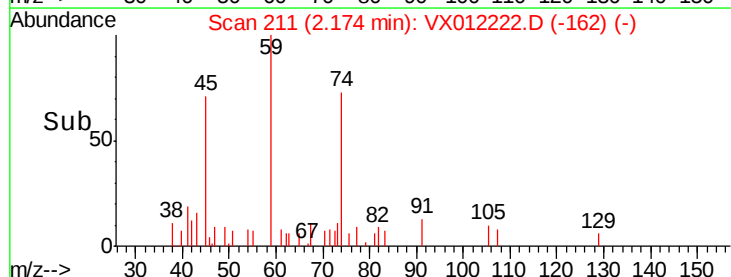
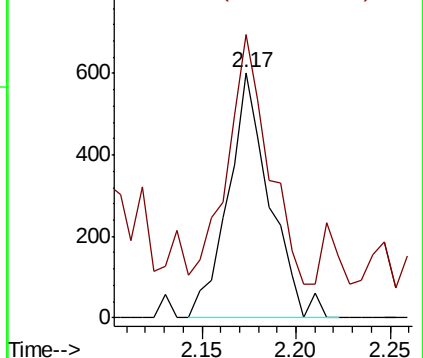
74 100

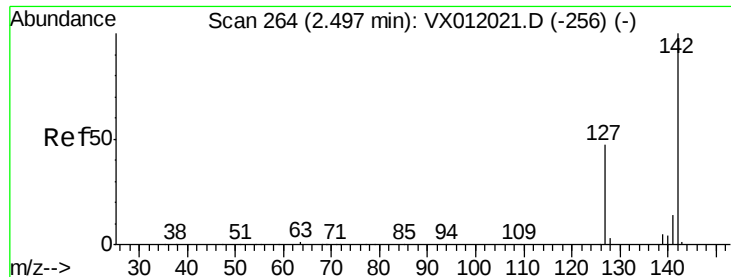
45 104.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

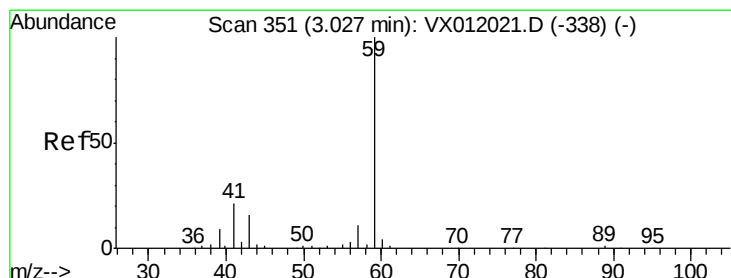
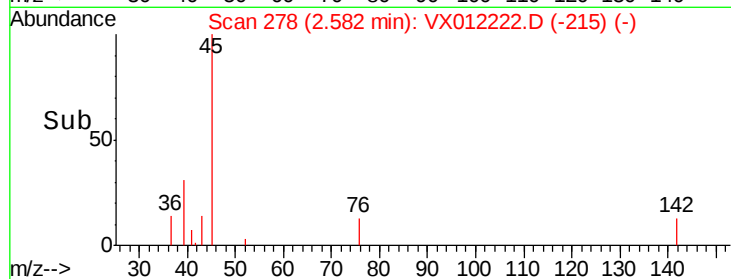
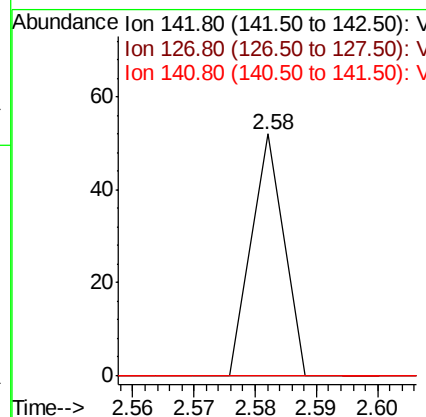
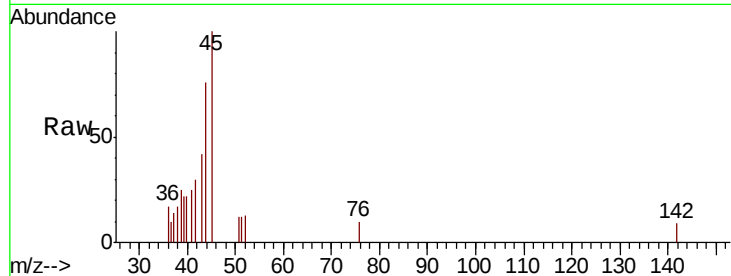




#10
Methyl Iodide
Concen: 7.000 ug/l
RT: 2.58 min Scan# 278
Delta R.T. 0.09 min
Lab File: VX012222.D
Acq: 08 Sep 2019 14:47

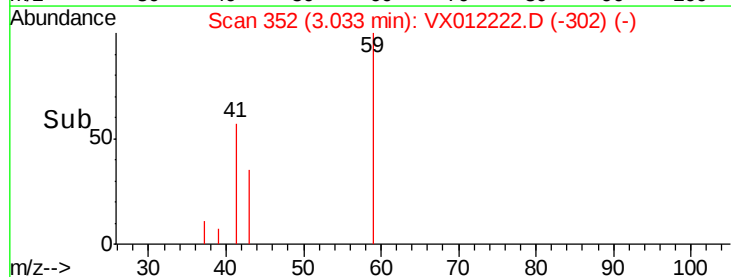
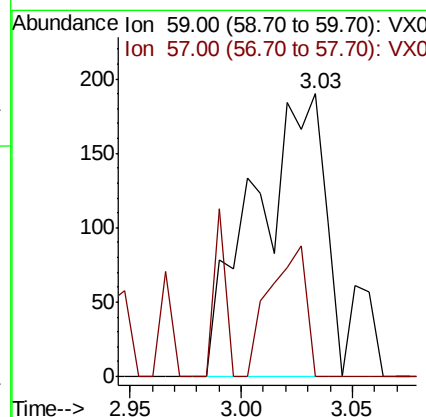
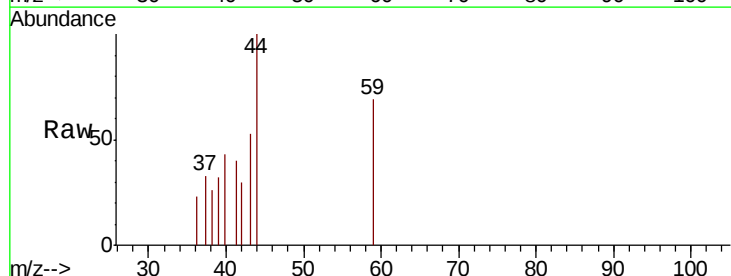
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(4)

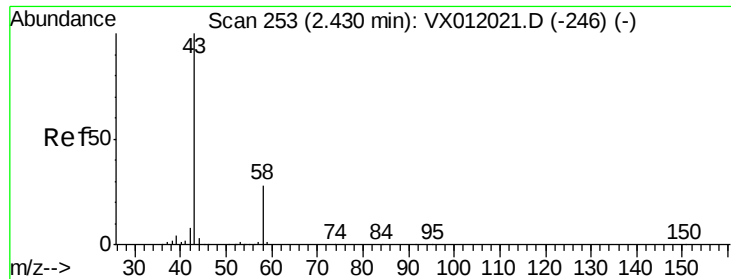
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.4	53.2#
141	0.0	11.4	17.2#



#11
Tert butyl alcohol
Concen: 2.227 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012222.D
Acq: 08 Sep 2019 14:47

Tgt Ion	Ratio	Lower	Upper
59	100		
57	24.4	7.9	11.9#





#16

Acetone

Concen: 14.640 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012222.D

Acq: 08 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

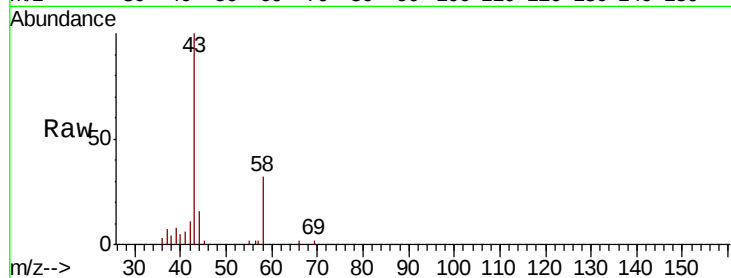
PAR-11-A1-(4)

Tgt Ion: 43 Resp: 6774

Ion Ratio Lower Upper

43 100

58 31.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

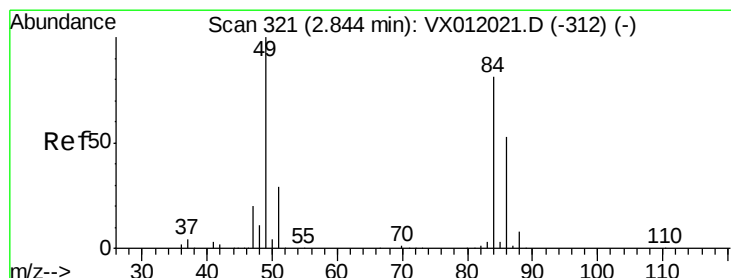
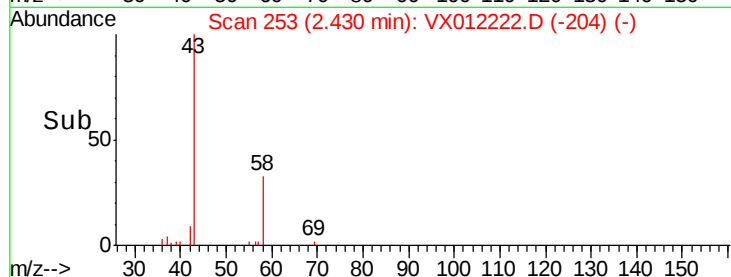
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 2.475 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012222.D

Acq: 08 Sep 2019 14:47

Tgt Ion: 84 Resp: 4599

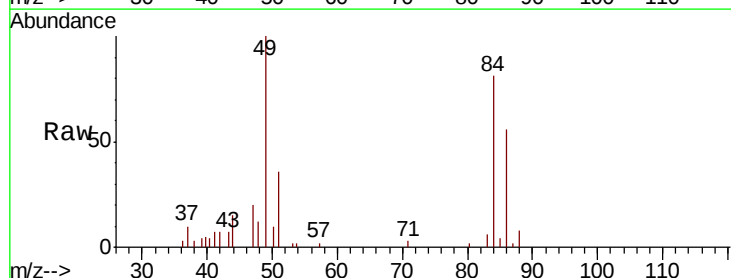
Ion Ratio Lower Upper

84 100

49 124.1 95.8 143.8

51 44.8 28.6 43.0#

86 68.9 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

4000

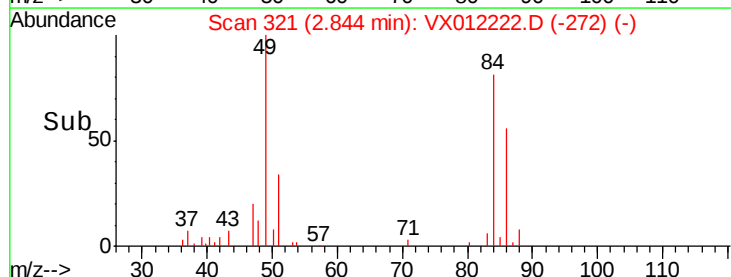
3000

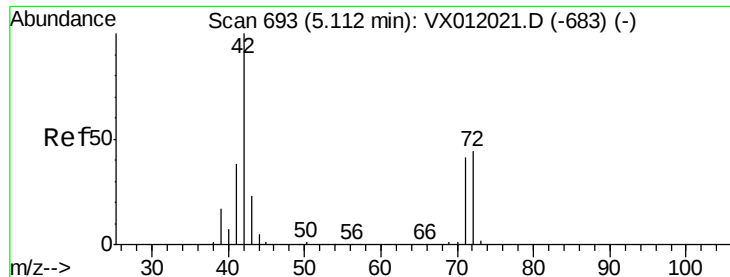
2000

1000

0

Time--> 2.75 2.80 2.85 2.90 2.95





#29

Tetrahydrofuran

Concen: 9.719 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012222.D

Acq: 08 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A1-(4)

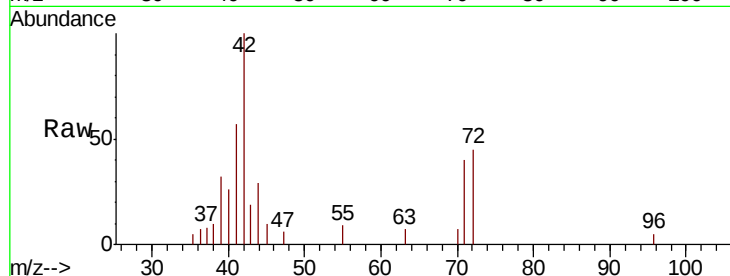
Tgt Ion: 42 Resp: 3449

Ion Ratio Lower Upper

42 100

72 46.7 37.0 55.4

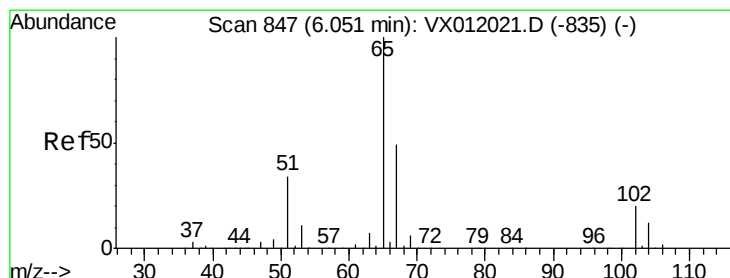
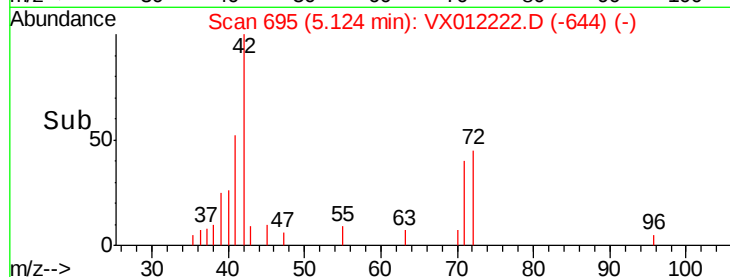
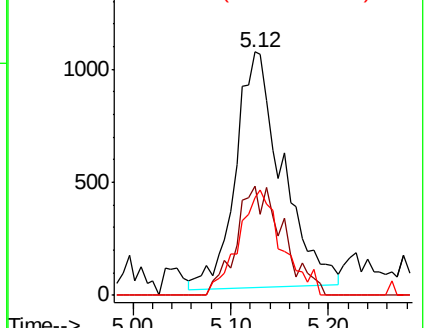
71 41.8 33.8 50.8



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: 49.530 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012222.D

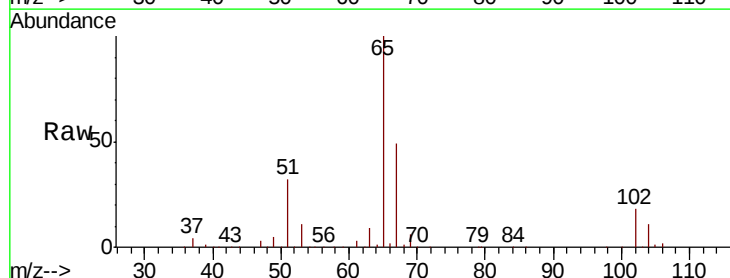
Acq: 08 Sep 2019 14:47

Tgt Ion: 65 Resp: 95883

Ion Ratio Lower Upper

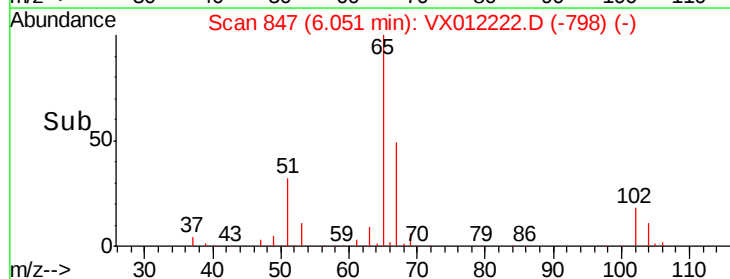
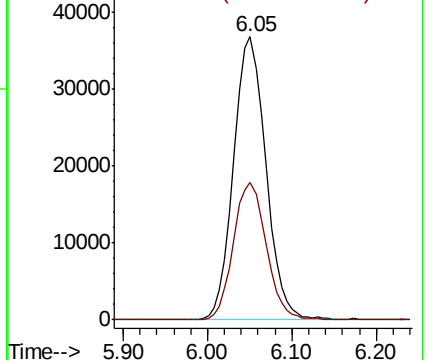
65 100

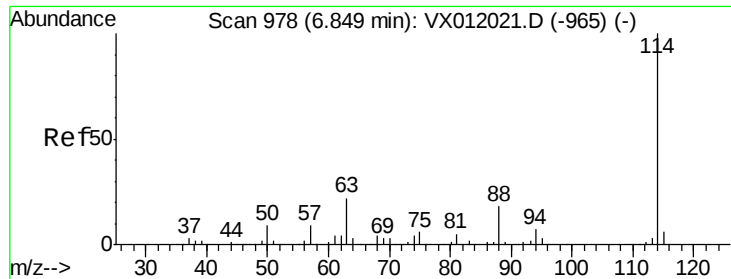
67 49.3 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

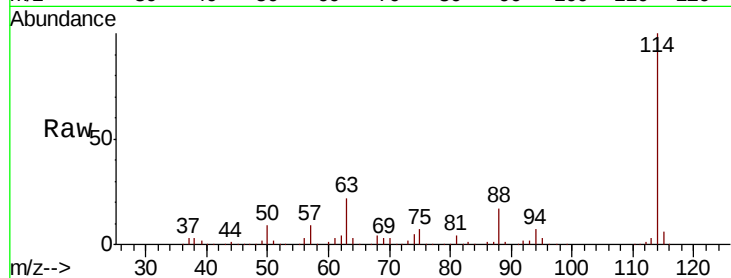




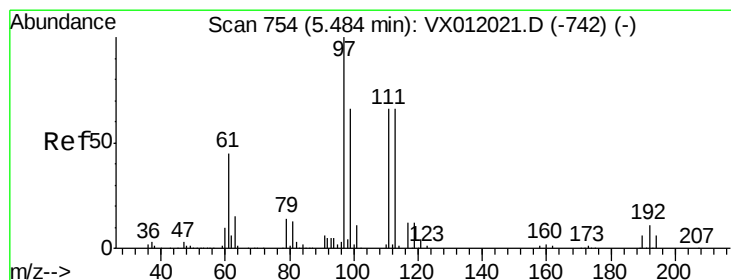
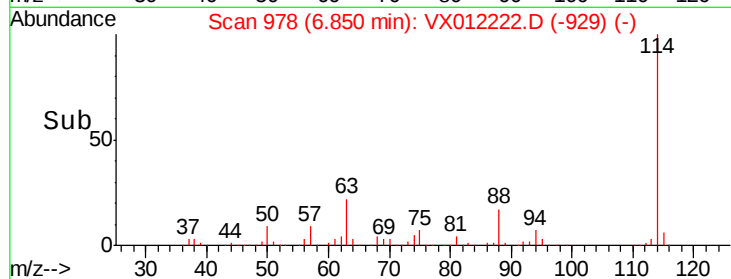
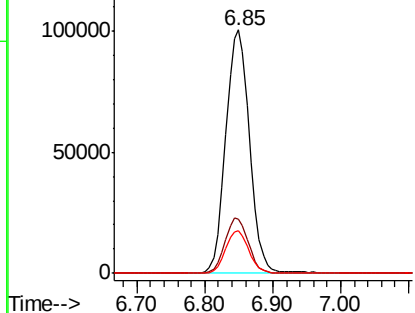
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012222.D
 Acq: 08 Sep 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A1-(4)

Tgt Ion:114 Resp: 243704
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 37.4
 88 17.3 0.0 29.6

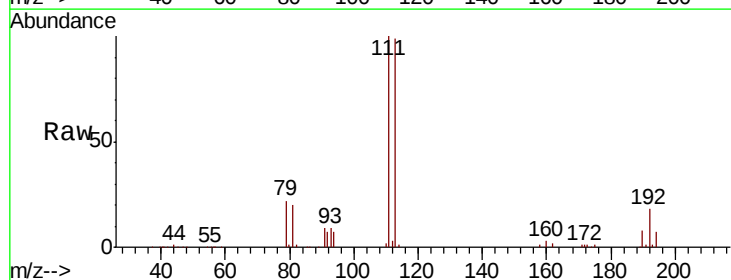


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

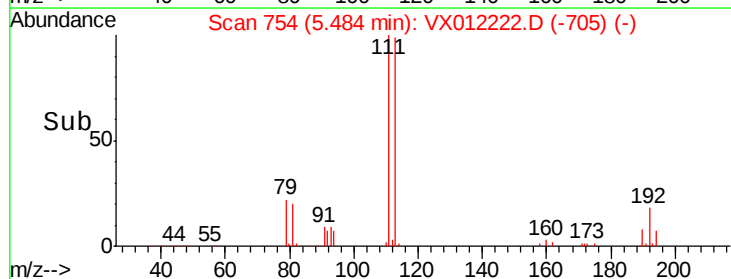
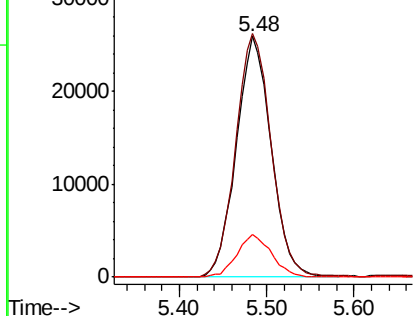


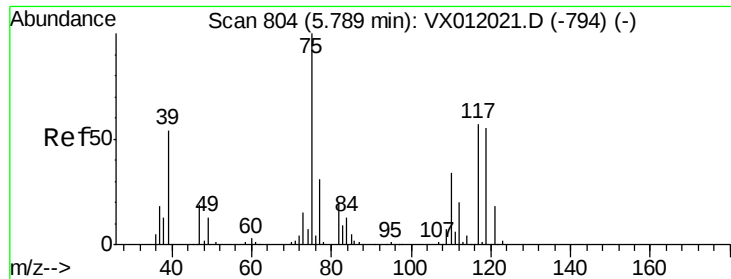
#35
 Dibromofluoromethane
 Concen: 47.861 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012222.D
 Acq: 08 Sep 2019 14:47

Tgt Ion:113 Resp: 71730
 Ion Ratio Lower Upper
 113 100
 111 103.2 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

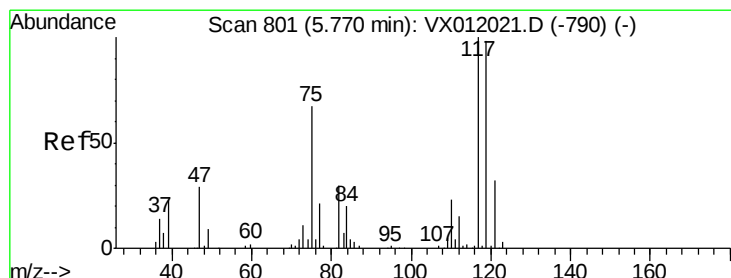
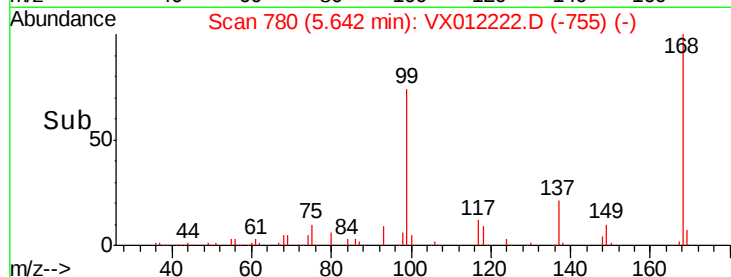
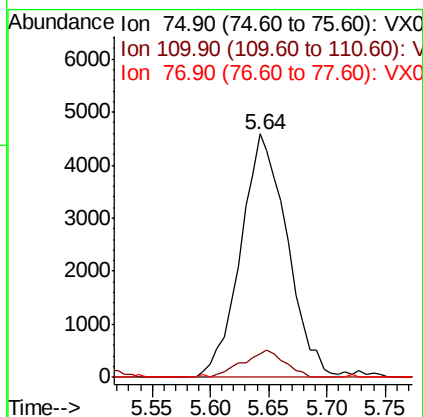
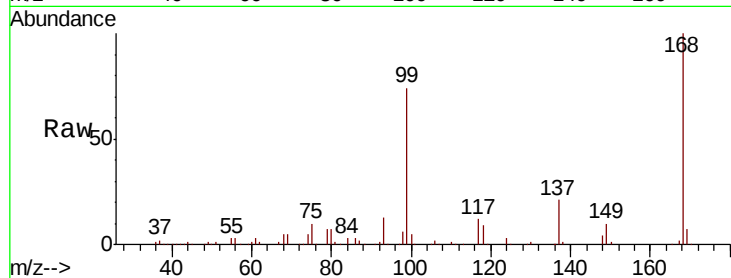




#36
 1,1-Dichloropropene
 Concen: 5.913 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012222.D
 Acq: 08 Sep 2019 14:47

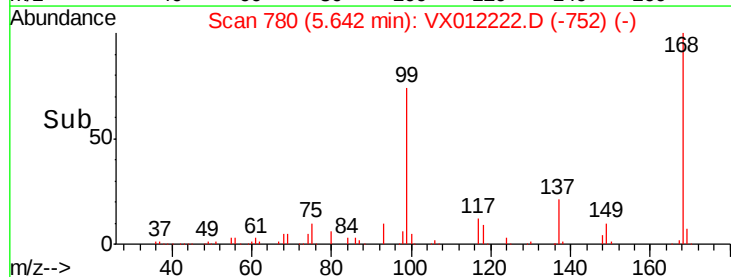
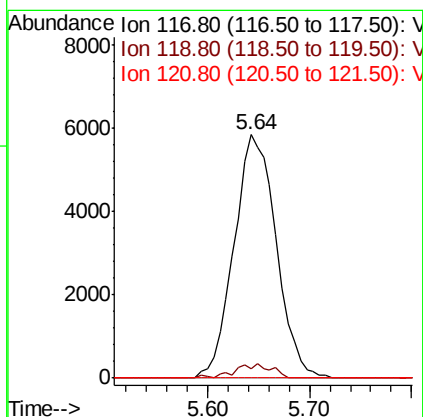
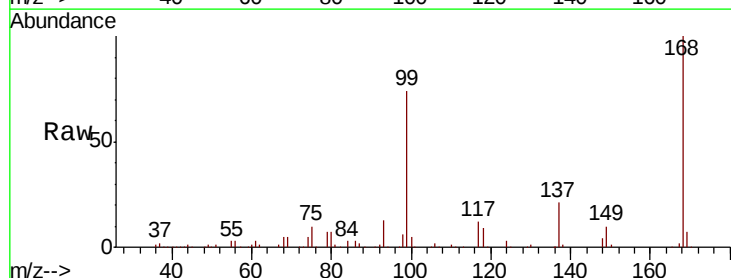
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A1-(4)

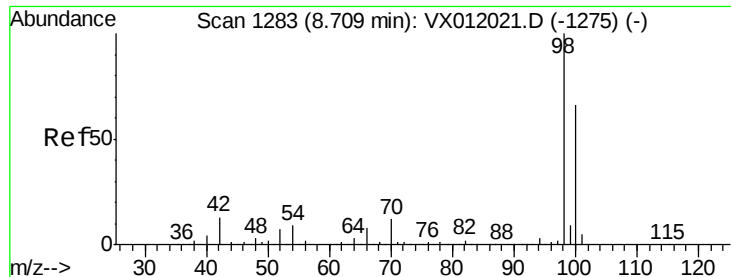
Tgt Ion: 75 Resp: 12692
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.420 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012222.D
 Acq: 08 Sep 2019 14:47

Tgt Ion: 117 Resp: 16783
 Ion Ratio Lower Upper
 117 100
 119 4.0 78.3 117.5#
 121 0.0 24.2 36.2#

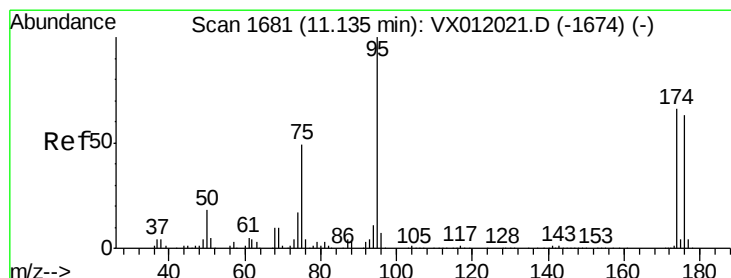
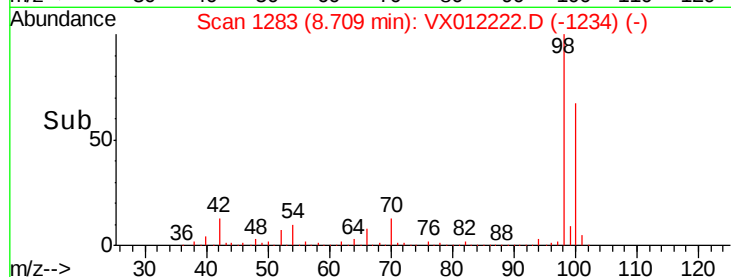
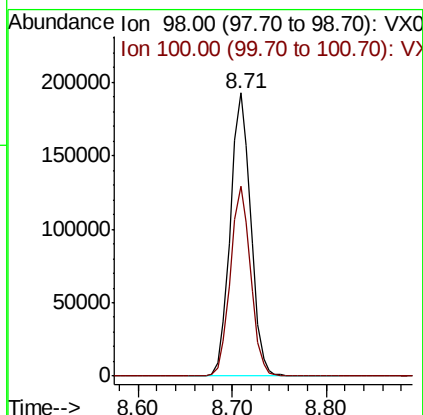
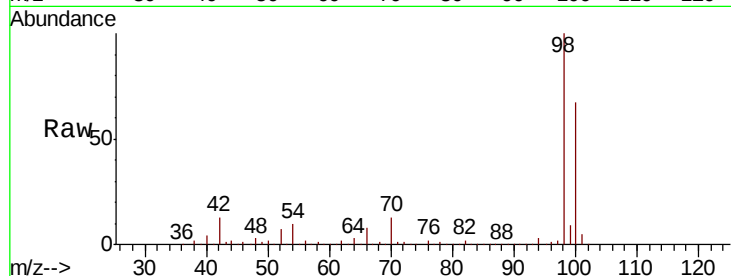




#50
Toluene-d8
Concen: 52.905 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012222.D
Acq: 08 Sep 2019 14:47

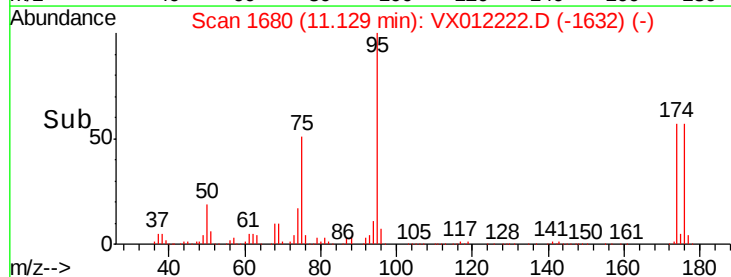
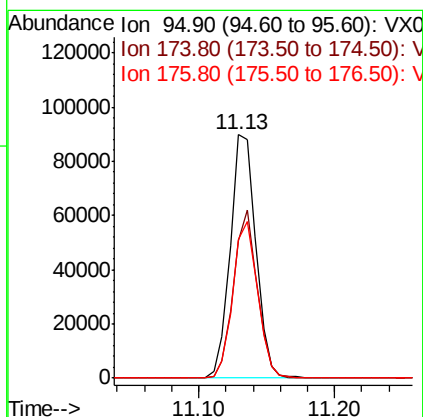
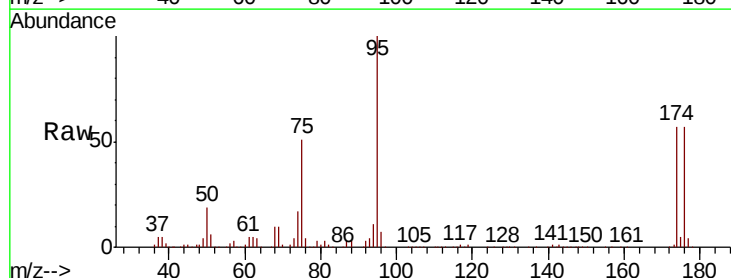
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(4)

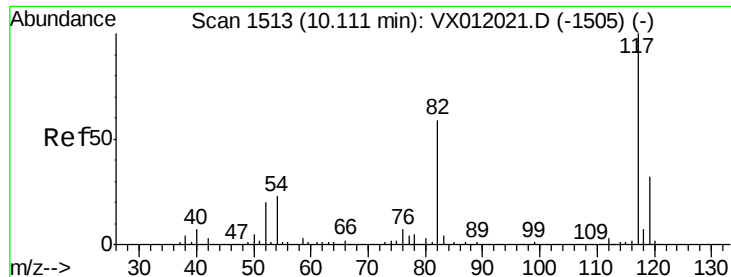
Tgt Ion: 98 Resp: 290958
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.161 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012222.D
Acq: 08 Sep 2019 14:47

Tgt Ion: 95 Resp: 118063
Ion Ratio Lower Upper
95 100
174 64.5 0.0 205.4
176 62.3 0.0 201.8

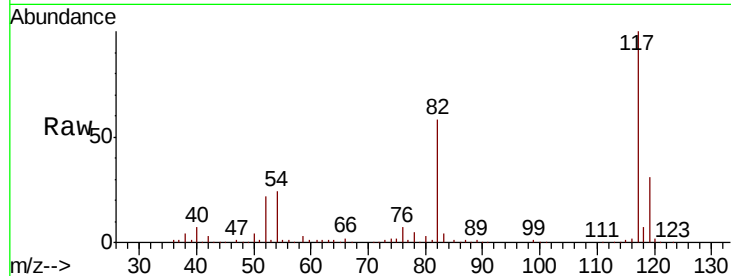




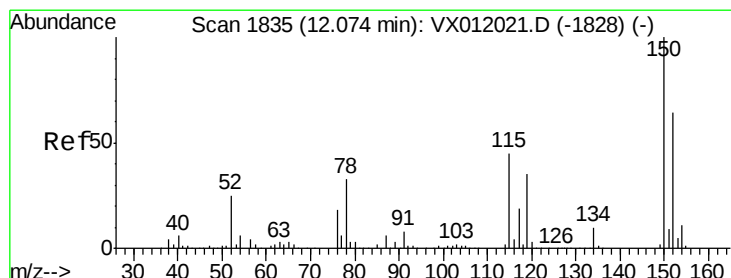
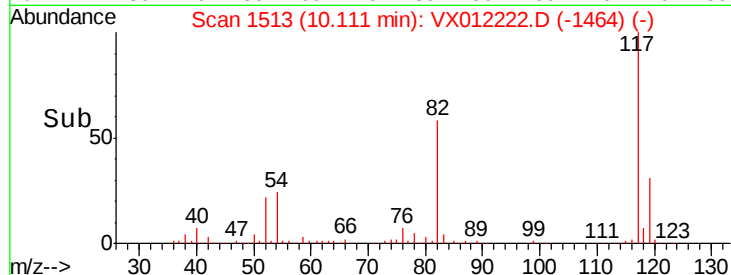
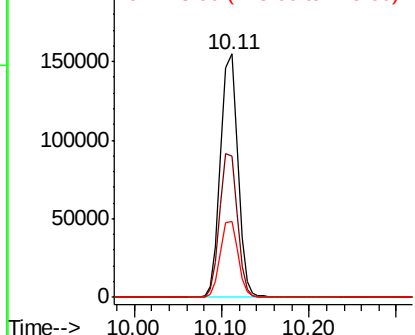
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012222.D
Acq: 08 Sep 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A1-(4)

Tgt Ion:117 Resp: 213260
Ion Ratio Lower Upper
117 100
82 58.2 39.4 59.0
119 31.3 26.1 39.1

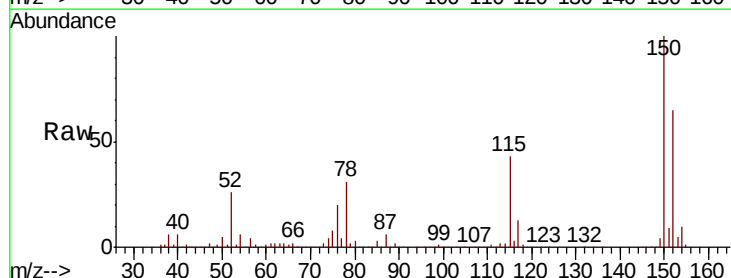


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

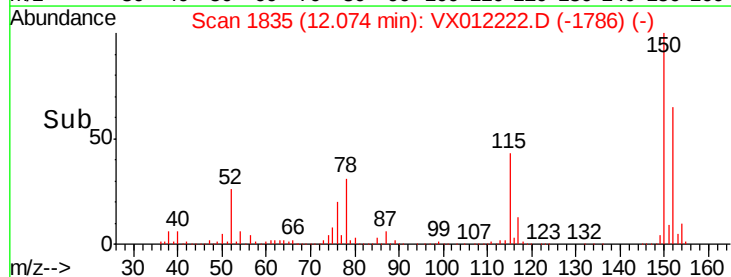
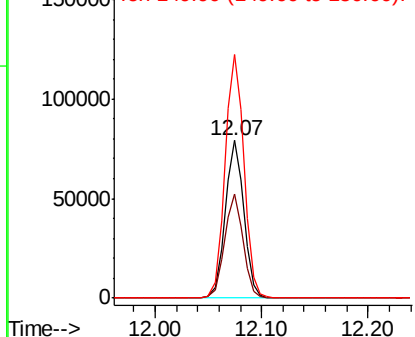


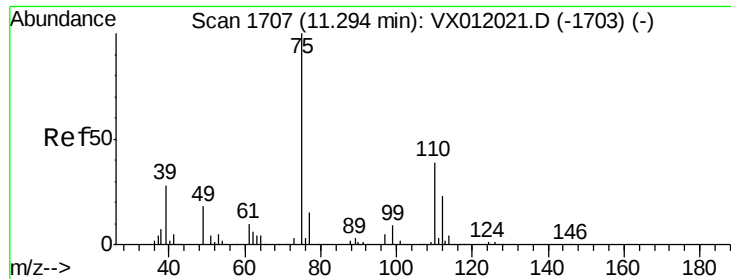
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012222.D
Acq: 08 Sep 2019 14:47

Tgt Ion:152 Resp: 96484
Ion Ratio Lower Upper
152 100
115 65.6 36.4 109.3
150 157.3 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: 51.314 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012222.D

Acq: 08 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

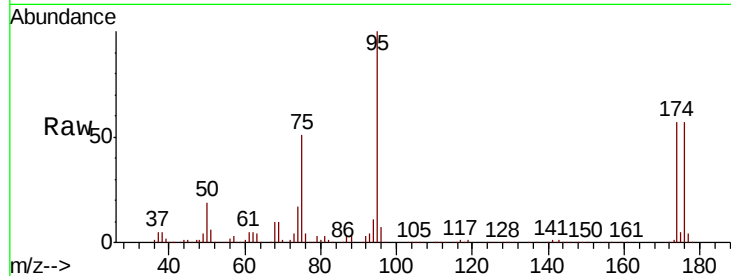
PAR-11-A1-(4)

Tgt Ion: 75 Resp: 60493

Ion Ratio Lower Upper

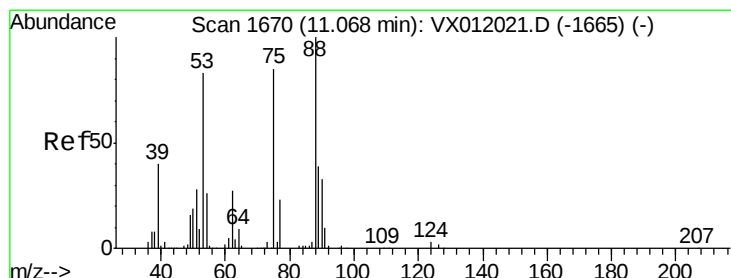
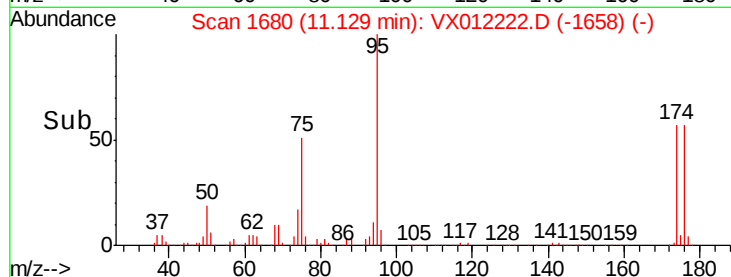
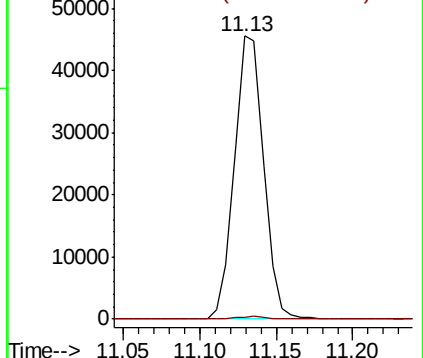
75 100

77 1.3 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: 121.313 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012222.D

Acq: 08 Sep 2019 14:47

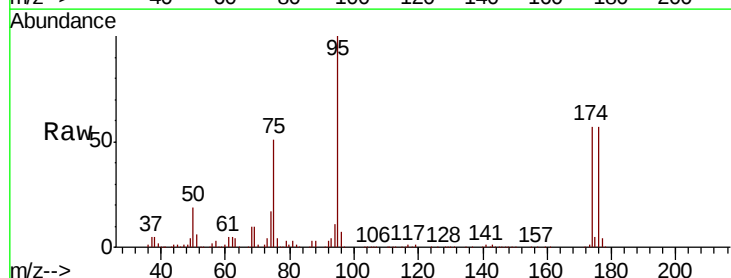
Tgt Ion: 75 Resp: 60493

Ion Ratio Lower Upper

75 100

53 0.2 78.6 117.8#

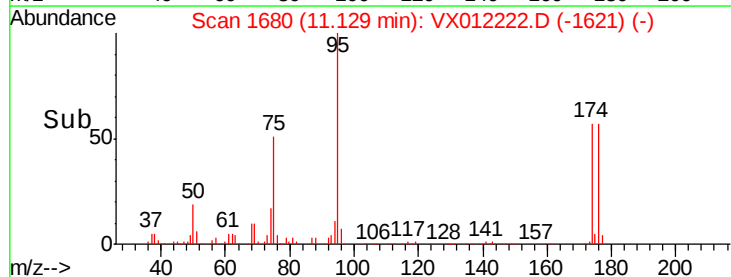
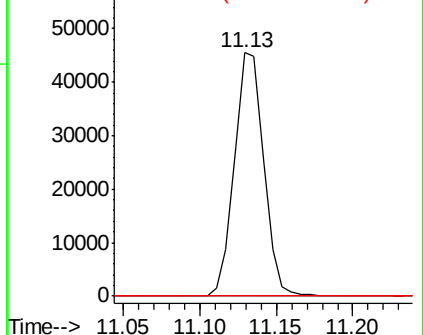
89 0.0 38.8 58.2#

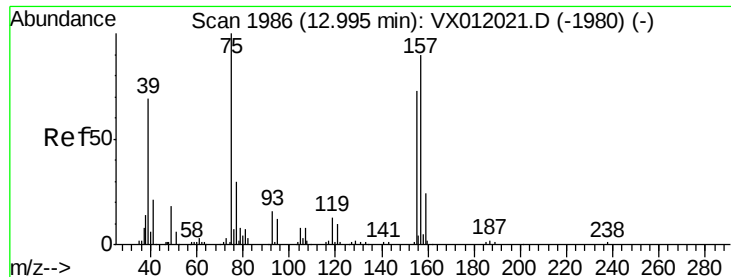


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.348 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX012222.D

Acq: 08 Sep 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A1-(4)

Tgt Ion: 75 Resp: 725

Ion Ratio Lower Upper

75 100

155 12.0 51.7 155.2#

157 0.0 66.9 200.7#

