

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012265.D
 Acq On : 10 Sep 2019 19:43
 Operator : SY/SP
 Sample : K4622-09RE
 Misc : 5.29g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A4-(4)

Quant Time: Sep 11 01:38:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88880	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	112169	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	5.49	113	84928	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.71	98	333275	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	11.14	95	117798	39.88	ug/l	0.00
Spiked Amount			Recovery	=	79.76%	

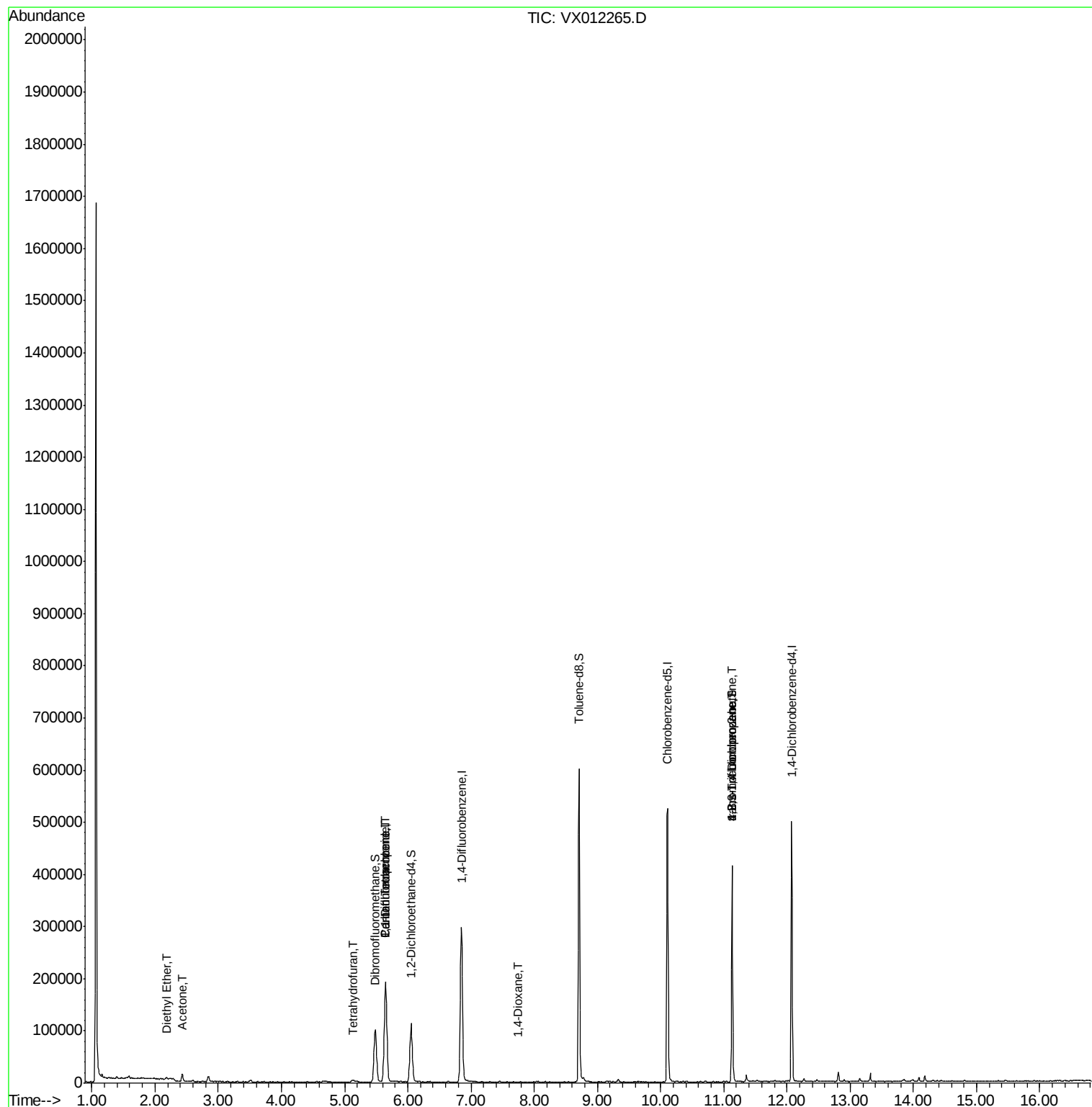
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	120	Below Cal	#	3
8) Diethyl Ether	2.17	74	945	1.306	ug/l	94
11) Tert butyl alcohol	3.03	59	1131	Below Cal	#	75
16) Acetone	2.43	43	15200	28.327	ug/l #	86
29) Tetrahydrofuran	5.14	42	3735	10.092	ug/l	94
36) 1,1-Dichloropropene	5.65	75	14478	7.007	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19450	8.023	ug/l #	14
49) 1,4-Dioxane	7.75	88	48	2.760	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	62206	54.481	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62206	163.237	ug/l #	5

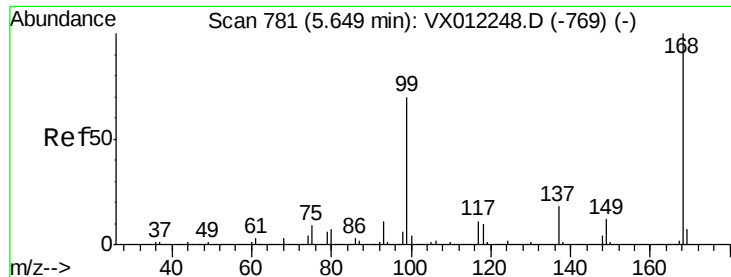
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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QLast Update : Tue Sep 10 12:55:26 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: VX012265.D

Acq: 10 Sep 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

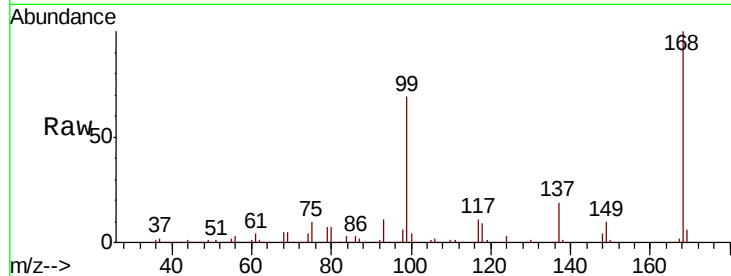
PAR-11-A4-(4)

Tgt Ion: 168 Resp: 160327

Ion Ratio Lower Upper

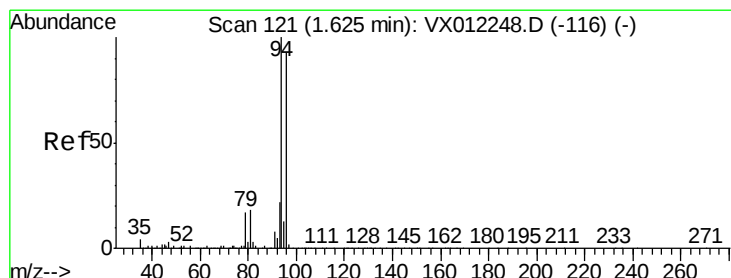
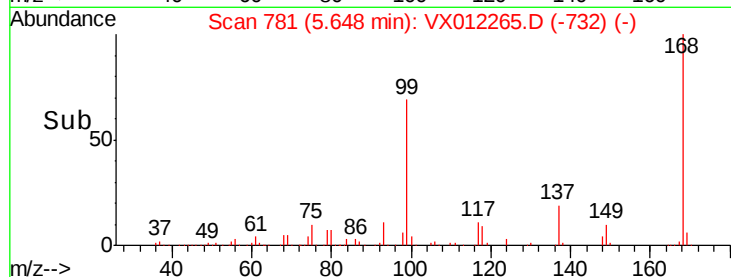
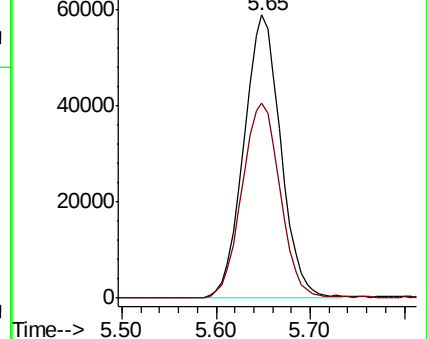
168 100

99 68.8 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX012265.D

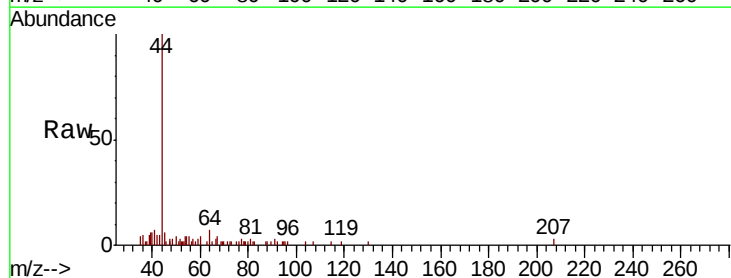
Acq: 10 Sep 2019 19:43

Tgt Ion: 94 Resp: 120

Ion Ratio Lower Upper

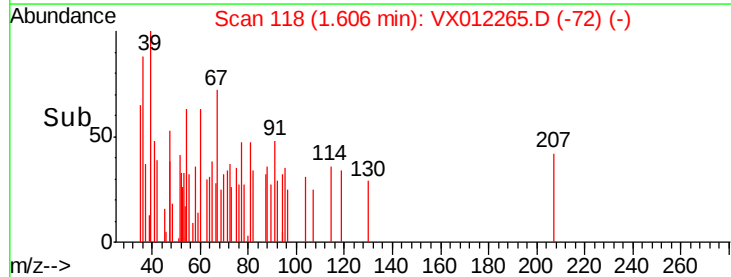
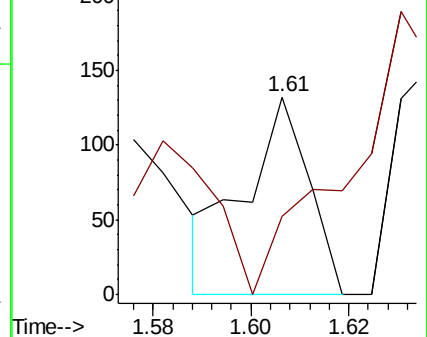
94 100

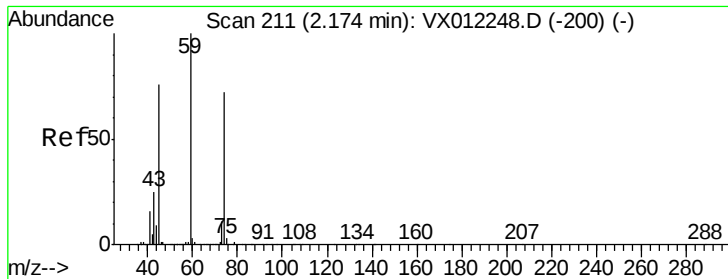
96 0.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.306 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012265.D

Acq: 10 Sep 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

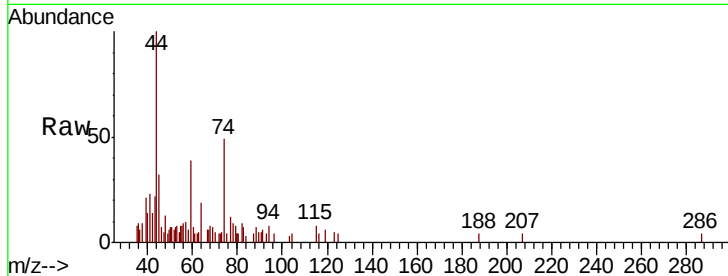
PAR-11-A4-(4)

Tgt Ion: 74 Resp: 945

Ion Ratio Lower Upper

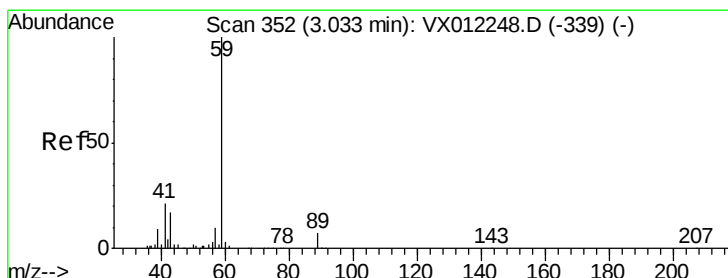
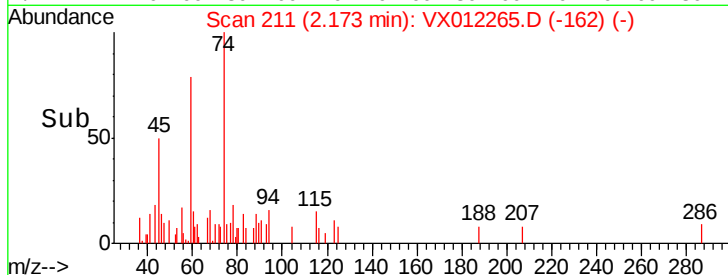
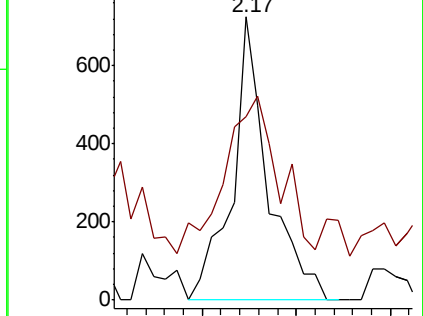
74 100

45 96.2 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012265.D

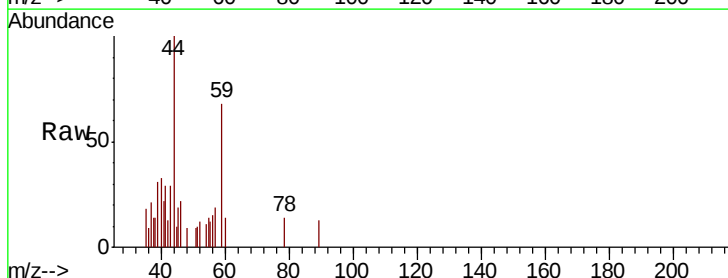
Acq: 10 Sep 2019 19:43

Tgt Ion: 59 Resp: 1131

Ion Ratio Lower Upper

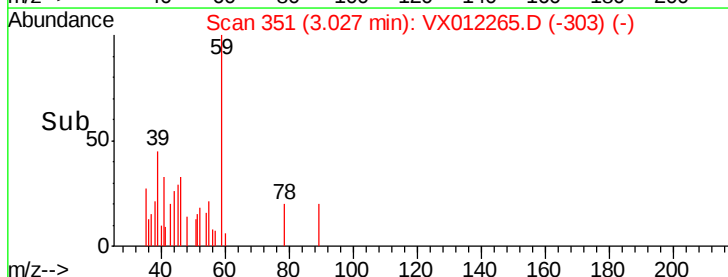
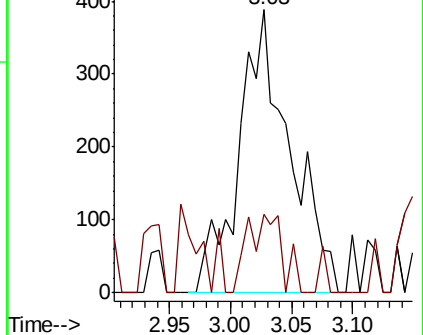
59 100

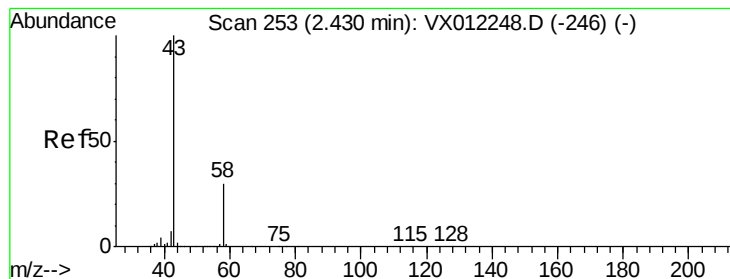
57 18.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 28.327 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012265.D

Acq: 10 Sep 2019 19:43

Instrument :

MSVOA_X

ClientSampled :

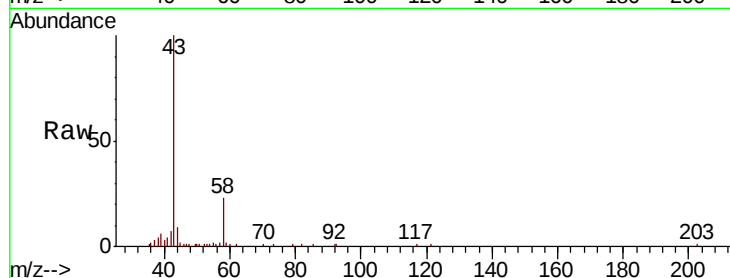
PAR-11-A4-(4)

Tgt Ion: 43 Resp: 15200

Ion Ratio Lower Upper

43 100

58 21.9 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

10000

8000

6000

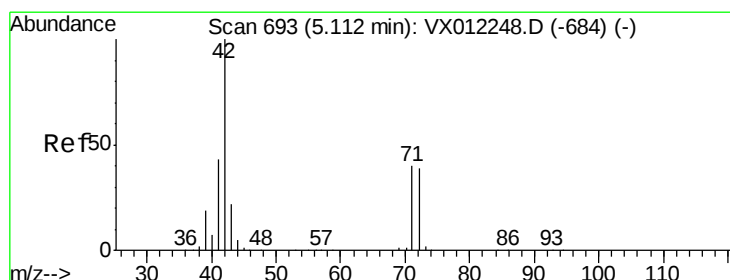
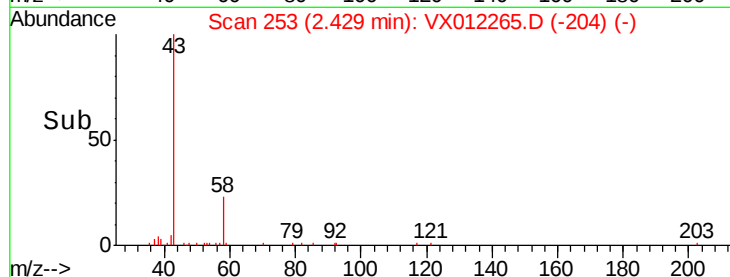
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#29

Tetrahydrofuran

Concen: 10.092 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012265.D

Acq: 10 Sep 2019 19:43

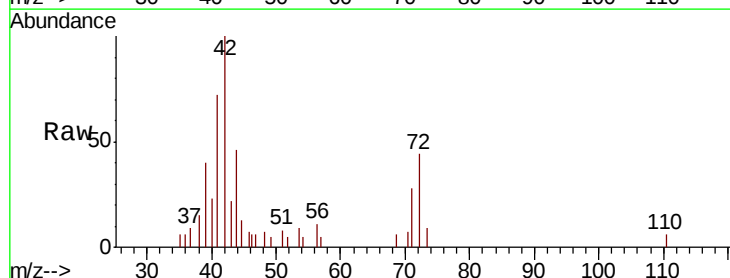
Tgt Ion: 42 Resp: 3735

Ion Ratio Lower Upper

42 100

72 48.5 35.2 52.8

71 44.3 32.5 48.7



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

1500

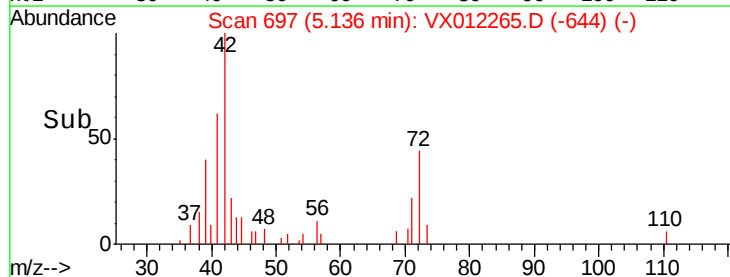
1000

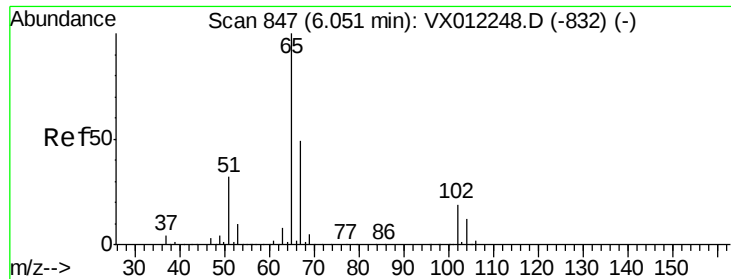
500

0

Time-->

5.00 5.10 5.20

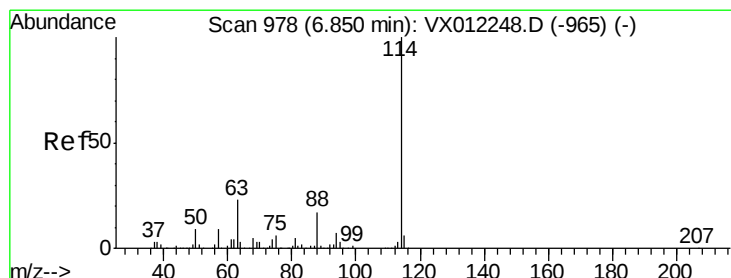
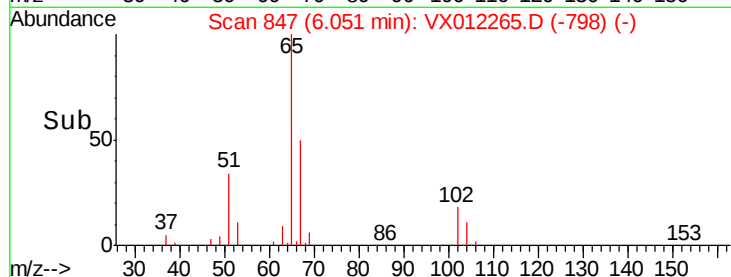
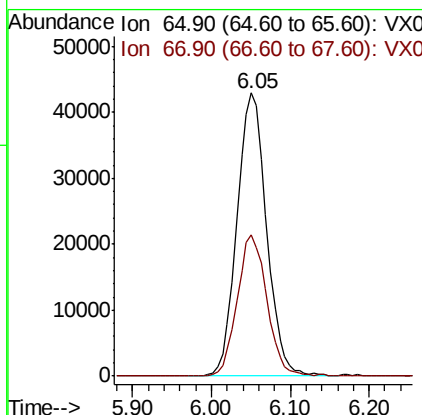
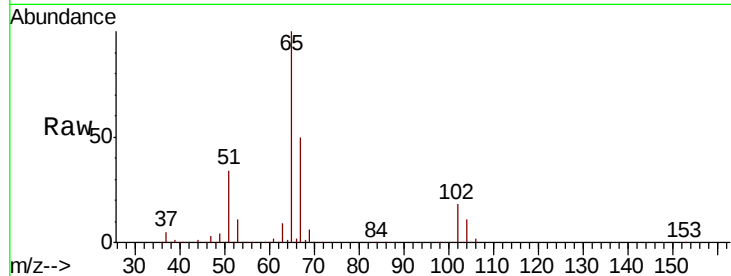




#33
 1,2-Dichloroethane-d4
 Concen: 49.485 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012265.D
 Acq: 10 Sep 2019 19:43

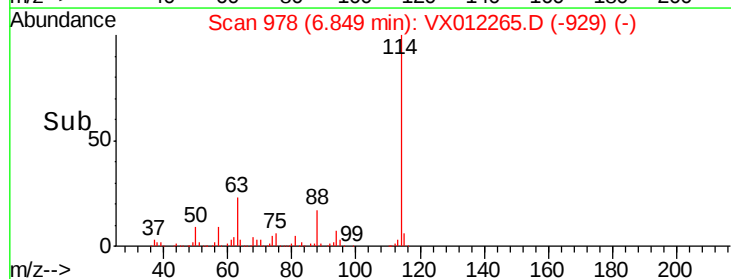
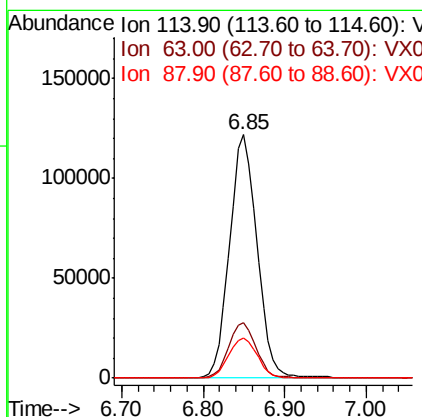
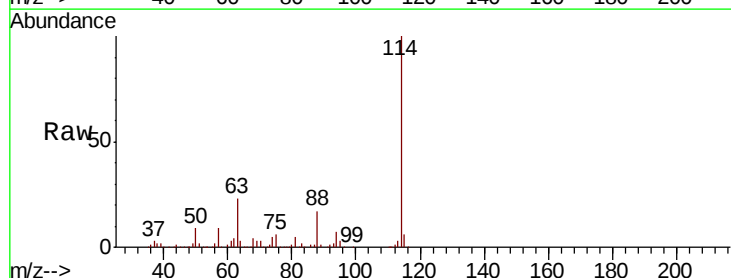
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A4-(4)

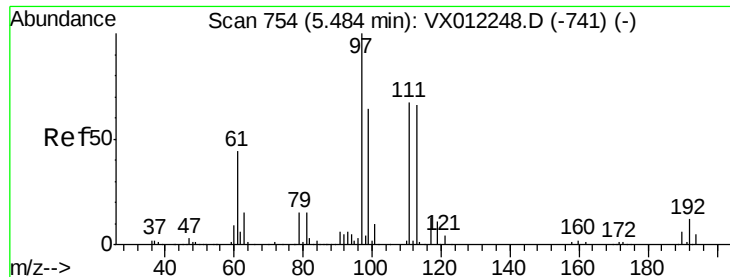
Tgt Ion: 65 Resp: 112169
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012265.D
 Acq: 10 Sep 2019 19:43

Tgt Ion: 114 Resp: 283386
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 16.5 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.750 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012265.D

Acq: 10 Sep 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A4-(4)

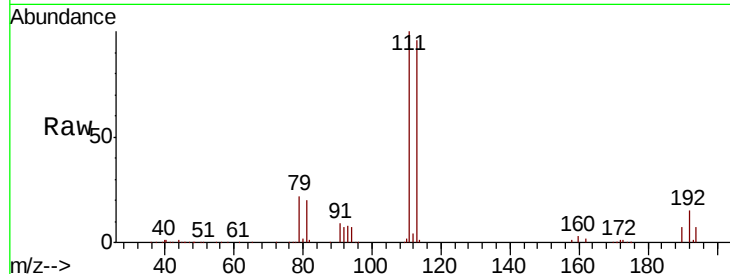
Tgt Ion:113 Resp: 84928

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

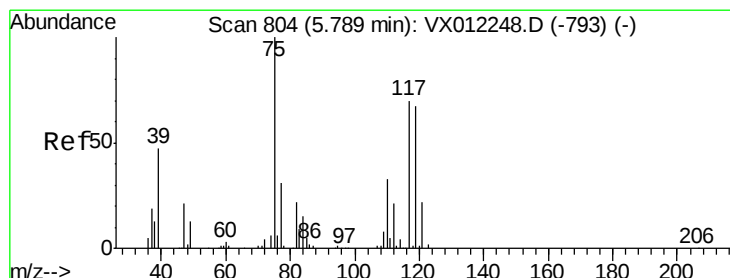
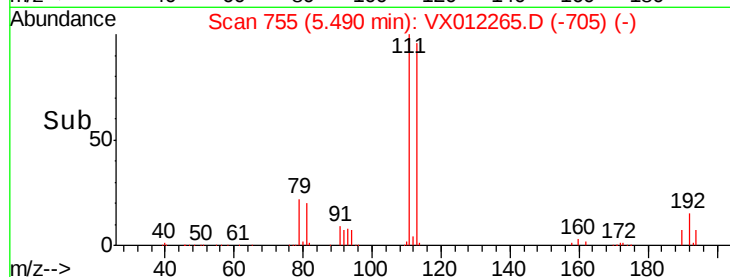
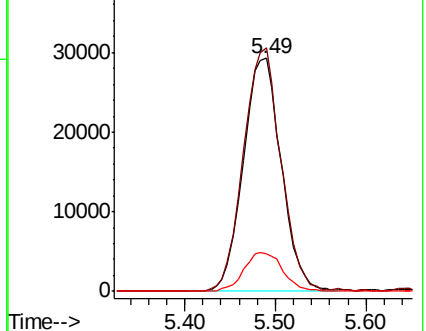
192 17.1 14.3 21.5



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: 7.007 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012265.D

Acq: 10 Sep 2019 19:43

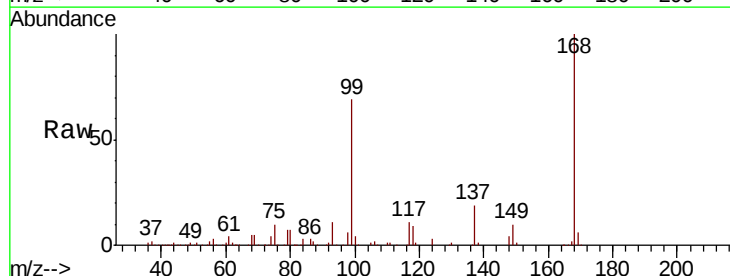
Tgt Ion: 75 Resp: 14478

Ion Ratio Lower Upper

75 100

110 10.3 16.8 50.4#

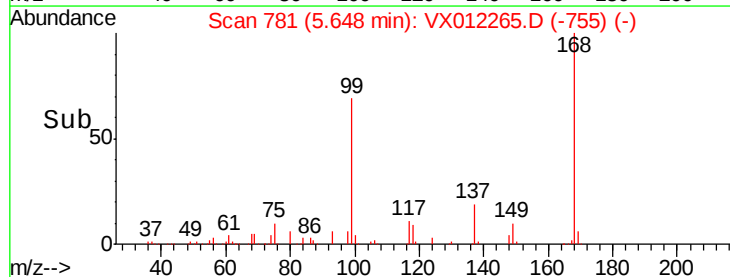
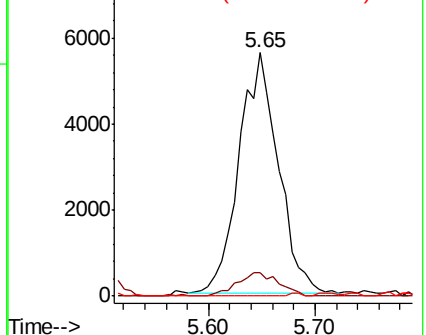
77 0.0 24.5 36.7#

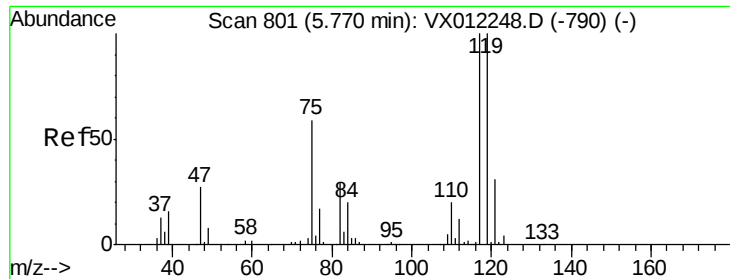


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 8.023 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012265.D

Acq: 10 Sep 2019 19:43

Instrument :

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PAR-11-A4-(4)

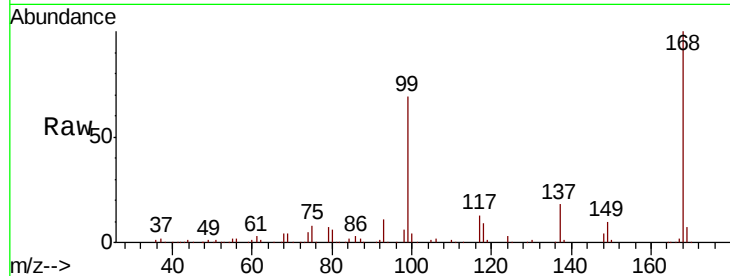
Tgt Ion:117 Resp: 19450

Ion Ratio Lower Upper

117 100

119 4.5 79.6 119.4#

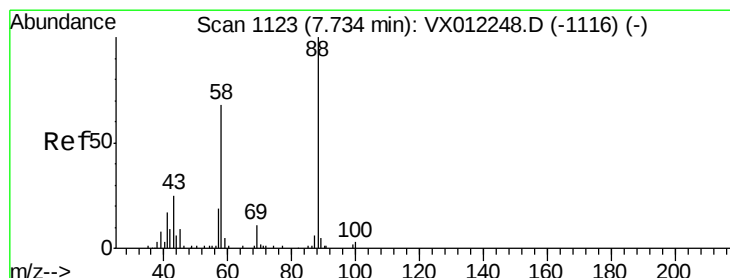
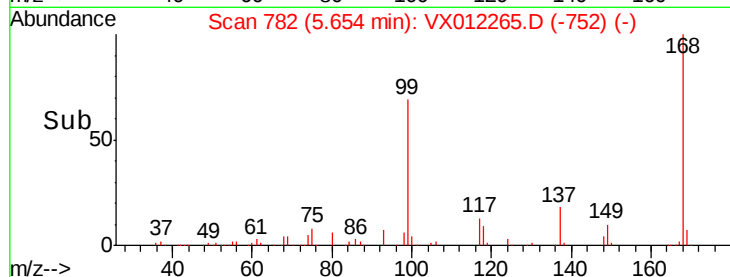
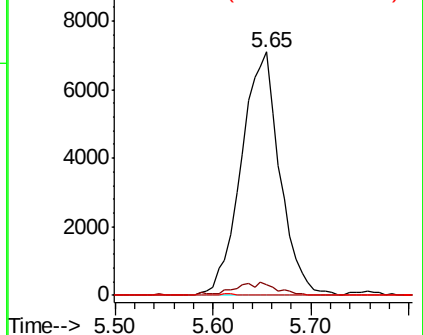
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 2.760 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX012265.D

Acq: 10 Sep 2019 19:43

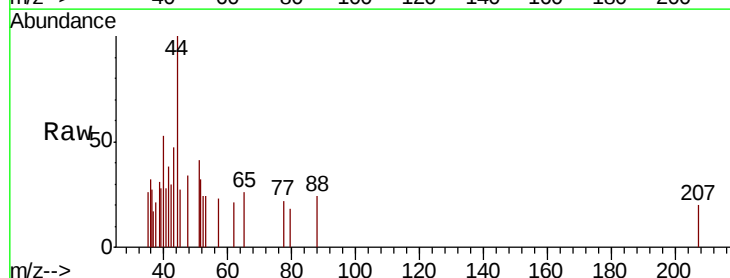
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 368.8 31.0 46.4#

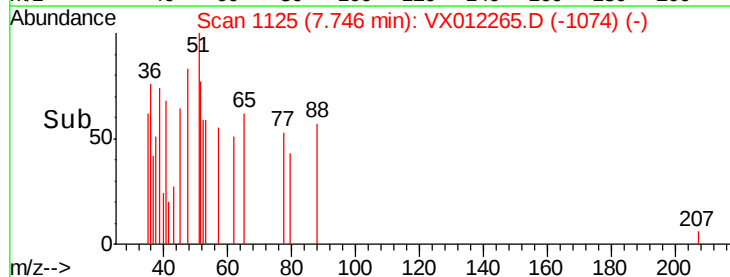
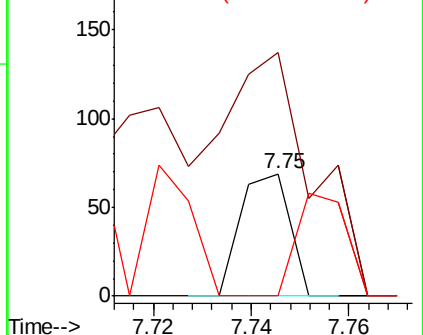
58 85.4 61.5 92.3

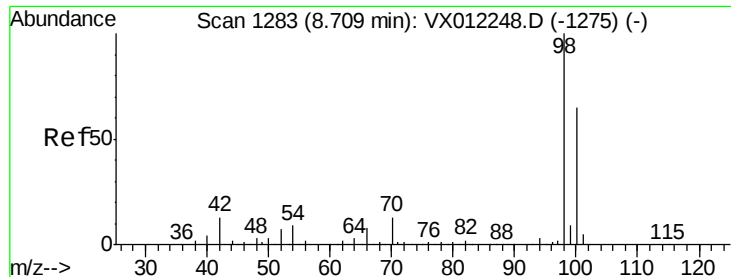


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

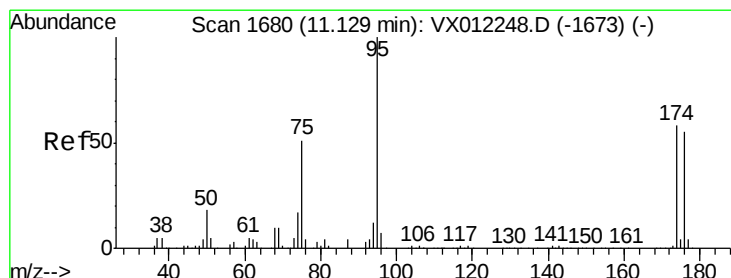
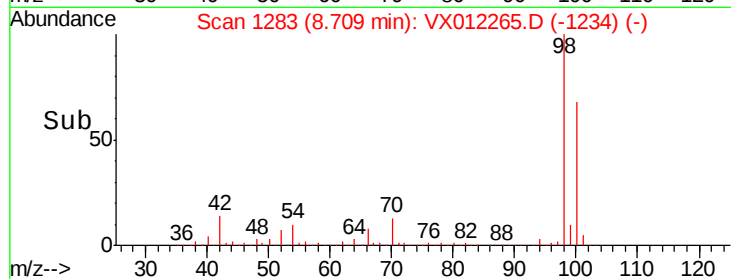
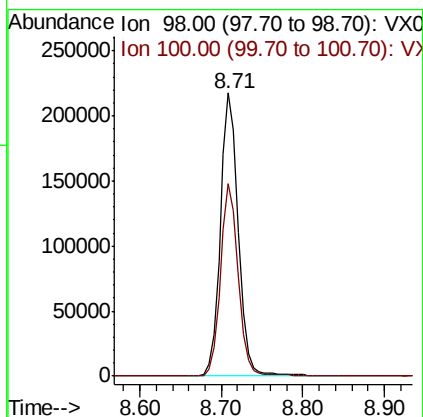
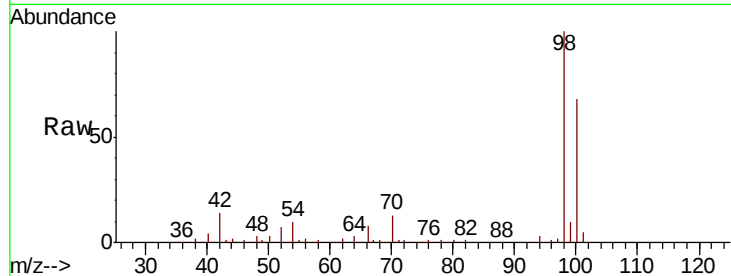




#50
Toluene-d8
Concen: 52.307 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012265.D
Acq: 10 Sep 2019 19:43

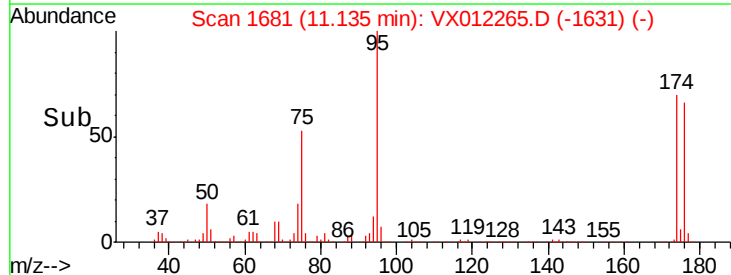
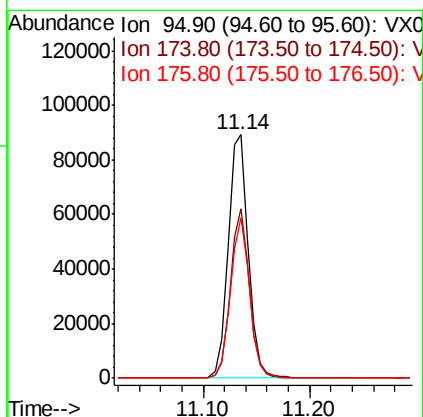
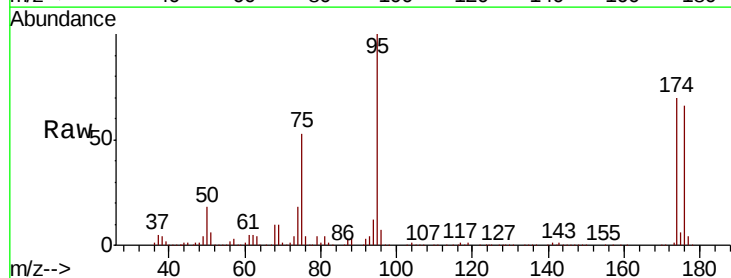
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A4-(4)

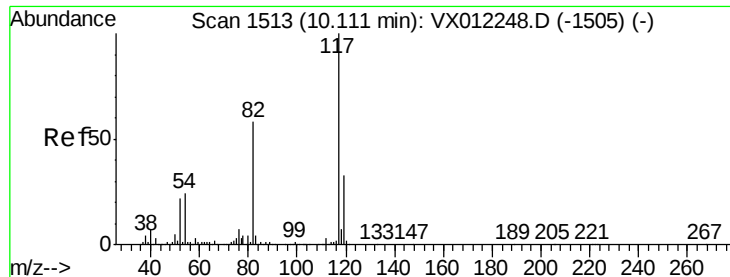
Tgt Ion: 98 Resp: 333275
Ion Ratio Lower Upper
98 100
100 67.7 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 39.879 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012265.D
Acq: 10 Sep 2019 19:43

Tgt Ion: 95 Resp: 117798
Ion Ratio Lower Upper
95 100
174 66.0 0.0 127.0
176 63.0 0.0 125.8

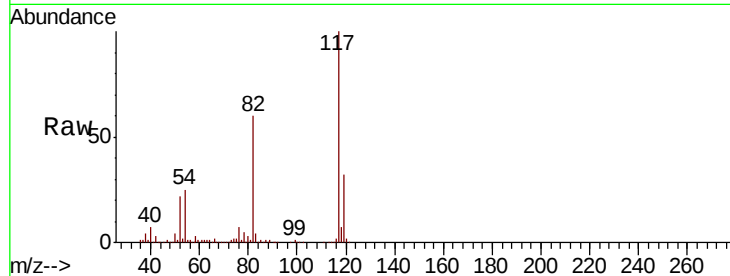




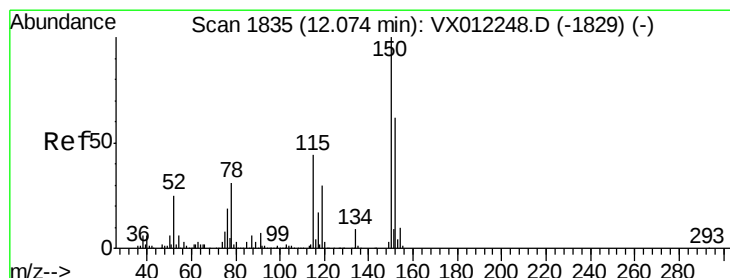
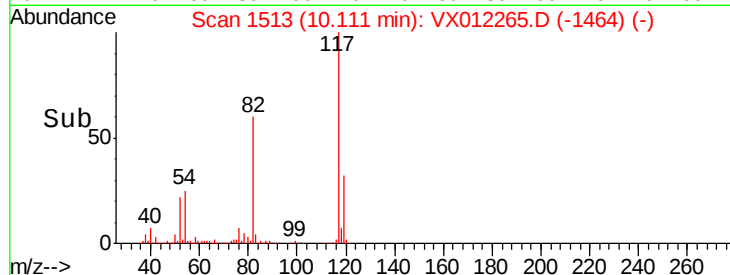
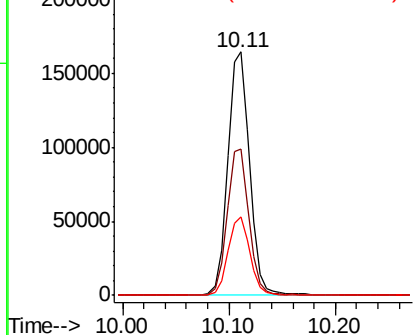
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012265.D
Acq: 10 Sep 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A4-(4)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.4	69.6
119	32.0	26.6	39.8

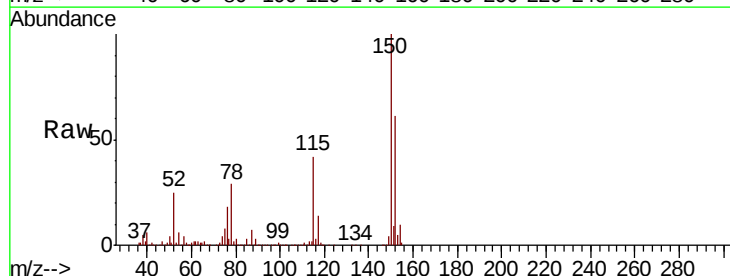


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

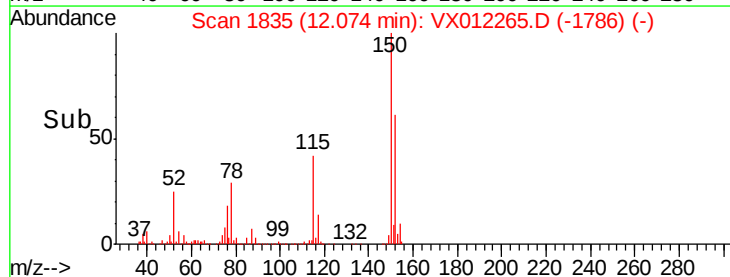
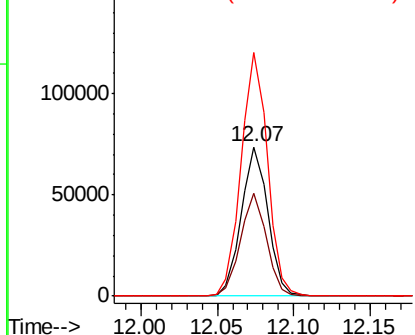


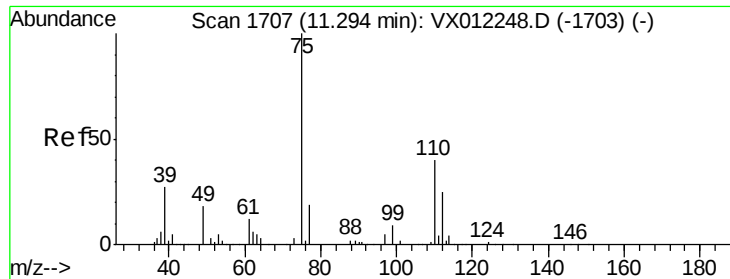
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012265.D
Acq: 10 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.7	45.5	136.4
150	161.7	0.0	346.4



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

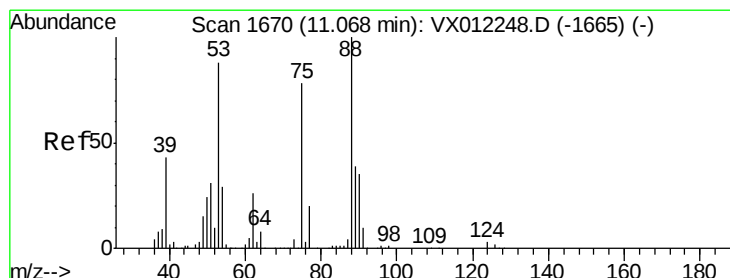
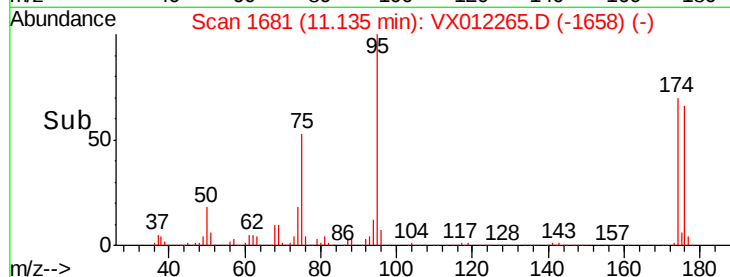
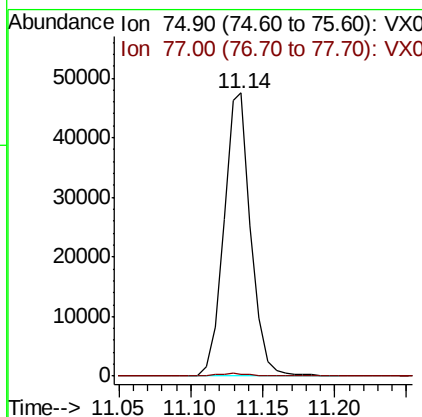
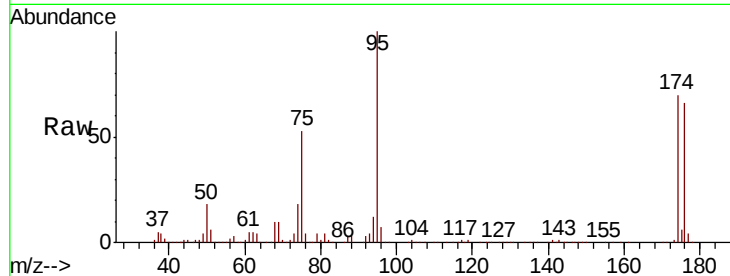




#76
 1,2,3-Trichloropropane
 Concen: 54.481 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012265.D
 Acq: 10 Sep 2019 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A4-(4)

Tgt Ion: 75 Resp: 62206
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.237 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012265.D
 Acq: 10 Sep 2019 19:43

Tgt Ion: 75 Resp: 62206
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.1 132.1#
 89 0.0 43.5 65.3#

