

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012258.D
 Acq On : 10 Sep 2019 16:27
 Operator : SY/SP
 Sample : K4624-04
 Misc : 5.03g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-E3-(4)

Quant Time: Sep 11 01:35:48 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	162196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286296	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79626	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	112431	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	5.48	113	85838	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
50) Toluene-d8	8.71	98	329342	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.14	95	114763	38.46	ug/l	0.00
Spiked Amount			Recovery	=	76.92%	

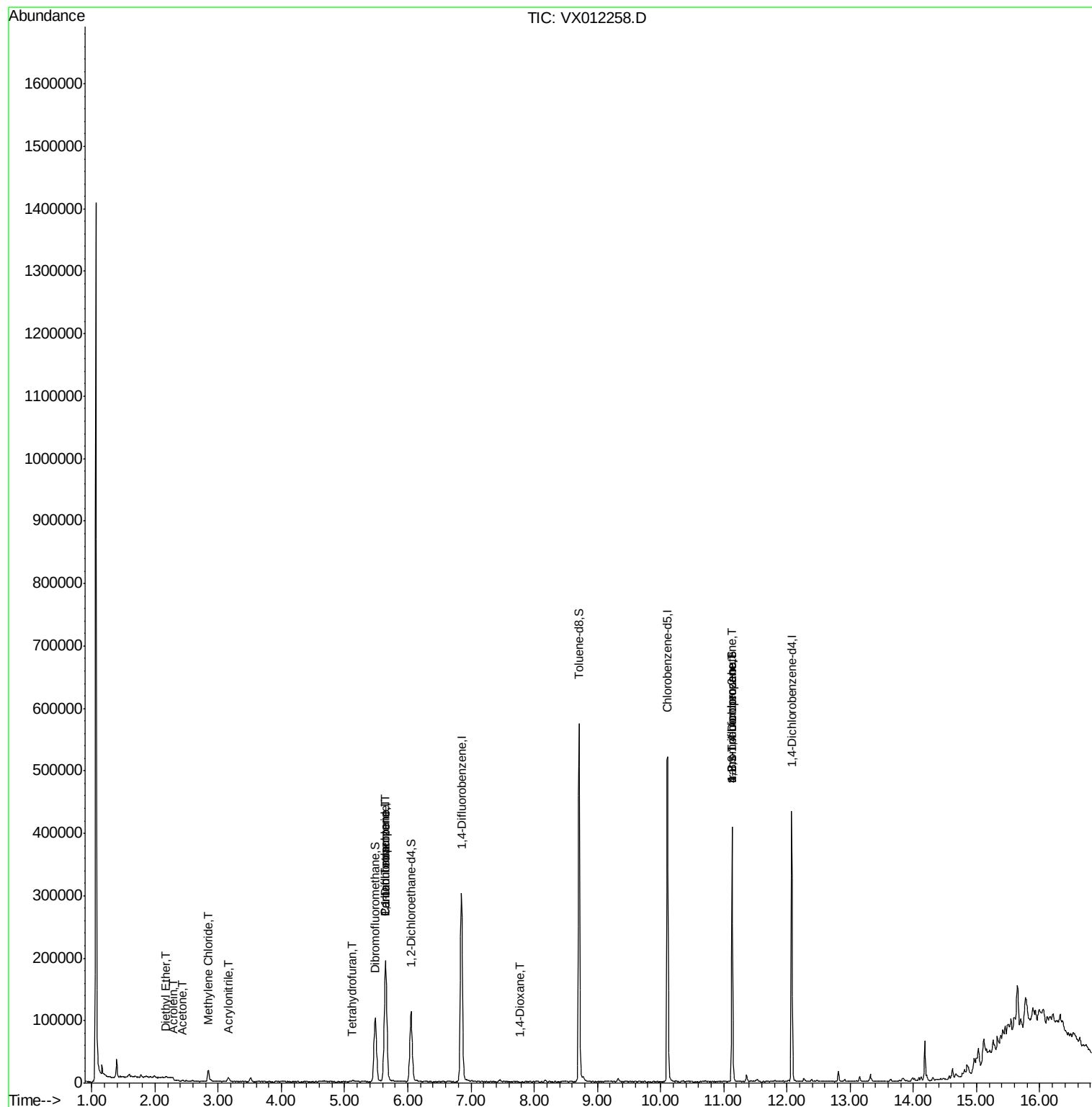
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	403	Below Cal	#	74
8) Diethyl Ether	2.17	74	859	1.174	ug/l	88
11) Tert butyl alcohol	3.03	59	536	Below Cal	#	74
13) Acrolein	2.28	56	128	1.068	ug/l #	12
15) Acrylonitrile	3.15	53	494	1.092	ug/l #	24
16) Acetone	2.43	43	1839	3.388	ug/l #	88
20) Methylene Chloride	2.84	84	8048	2.235	ug/l	96
29) Tetrahydrofuran	5.12	42	886	2.366	ug/l #	53
36) 1,1-Dichloropropene	5.65	75	15594	7.470	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19721	8.052	ug/l #	15
49) 1,4-Dioxane	7.78	88	18	1.024	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	59570	58.236	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	59570	174.487	ug/l #	5

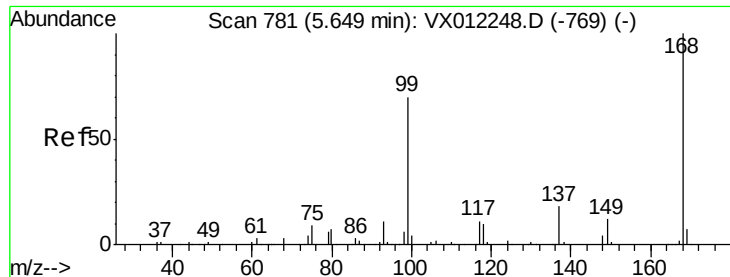
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
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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: VX012258.D

Acq: 10 Sep 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

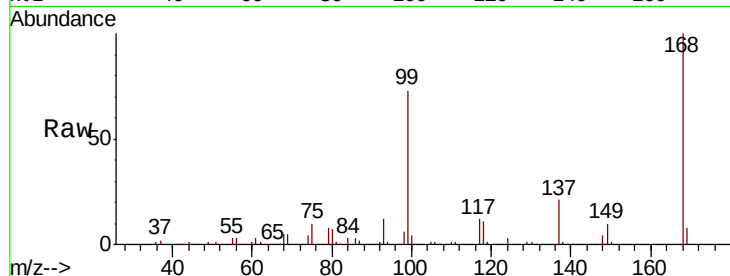
PAR-11-E3-(4)

Tgt Ion:168 Resp: 162196

Ion Ratio Lower Upper

168 100

99 73.2 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

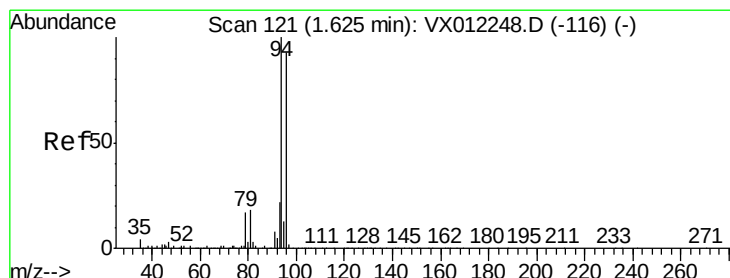
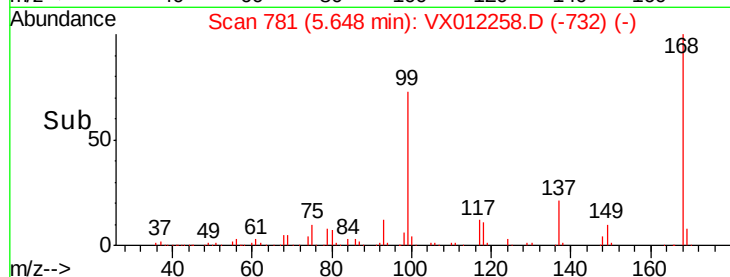
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012258.D

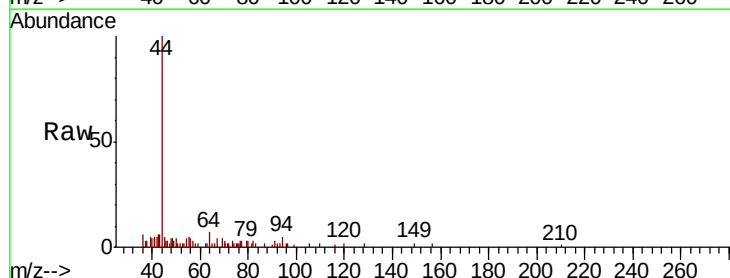
Acq: 10 Sep 2019 16:27

Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

94 100

96 67.2 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

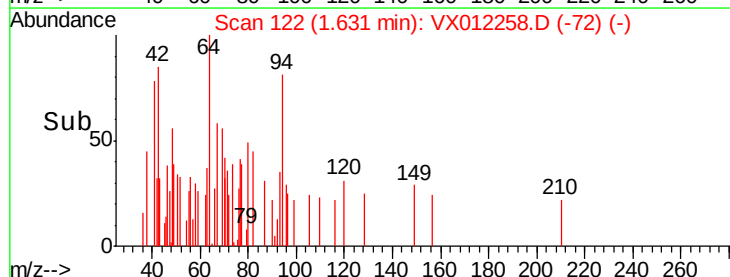
150

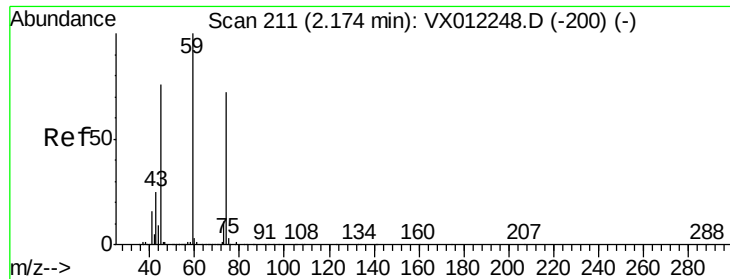
100

50

0

Time--> 1.60 1.65





#8

Diethyl Ether

Concen: 1.174 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

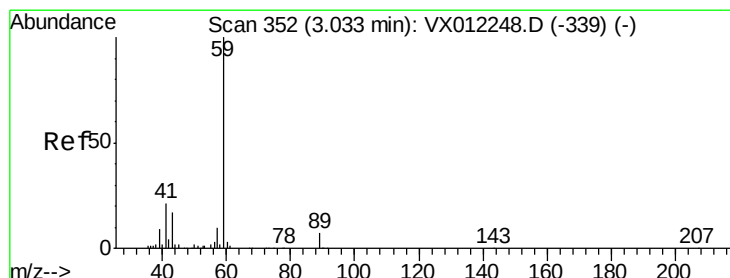
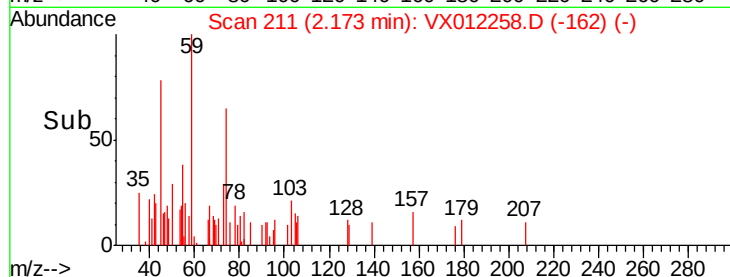
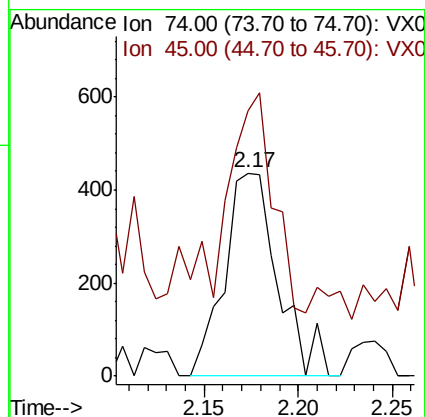
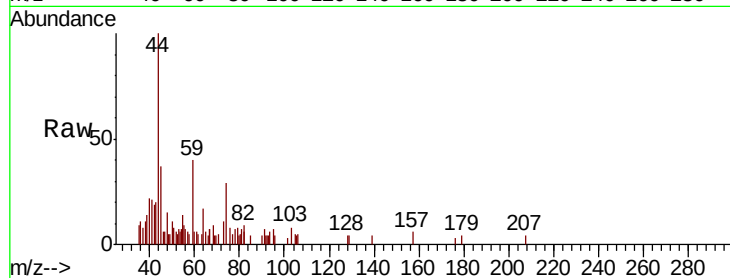
PAR-11-E3-(4)

Tgt Ion: 74 Resp: 859

Ion Ratio Lower Upper

74 100

45 90.5 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012258.D

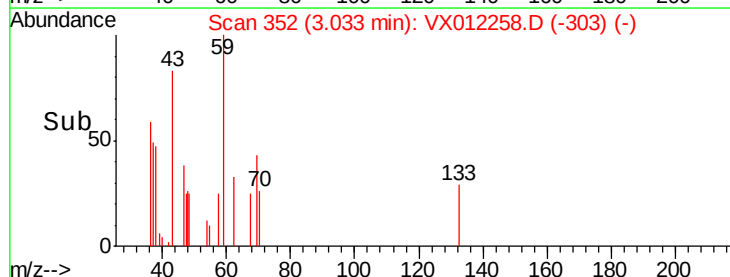
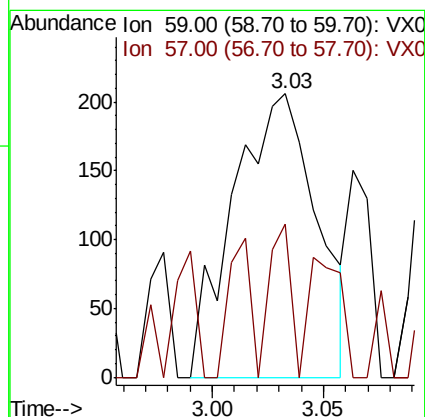
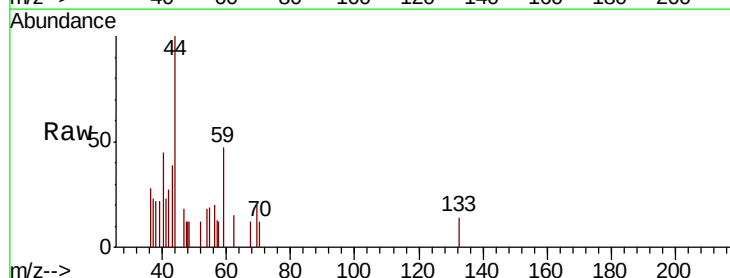
Acq: 10 Sep 2019 16:27

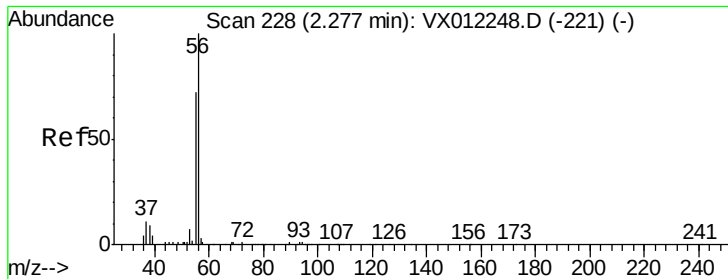
Tgt Ion: 59 Resp: 536

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#13

Acrolein

Concen: 1.068 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

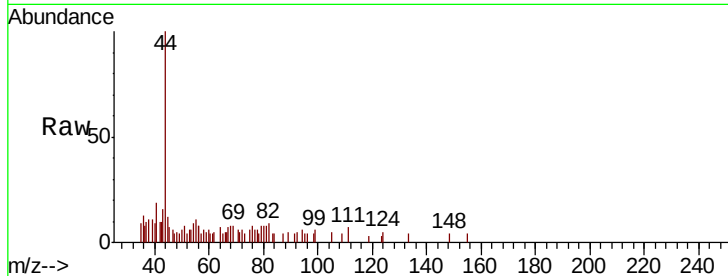
PAR-11-E3-(4)

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

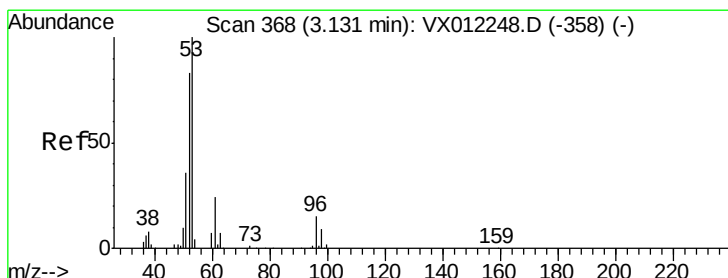
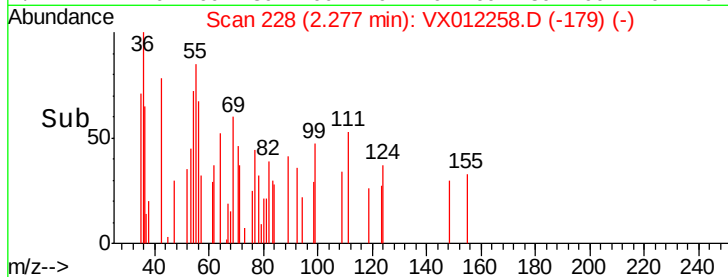
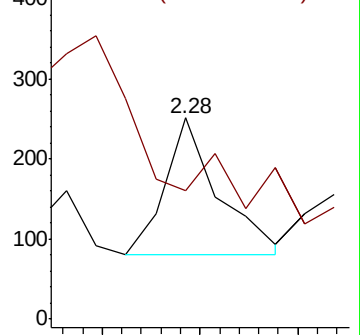
56 100

55 0.0 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 1.092 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.02 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

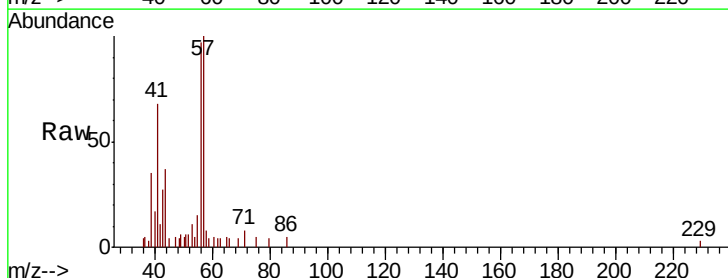
Tgt Ion: 53 Resp: 494

Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

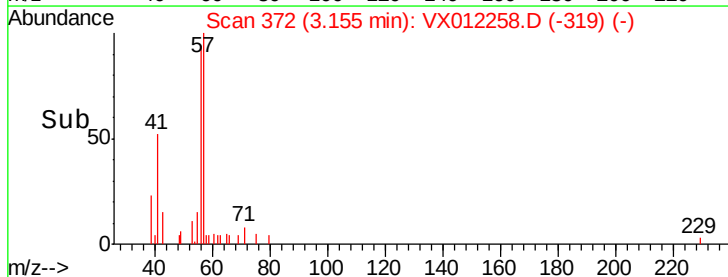
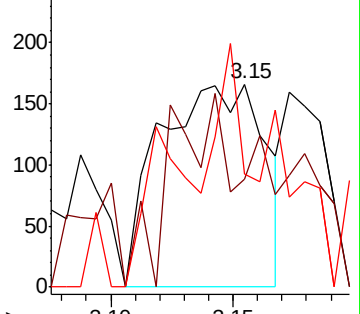
51 14.4 30.7 46.1#

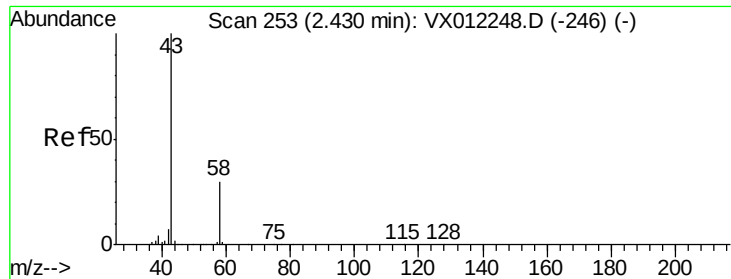


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 3.388 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

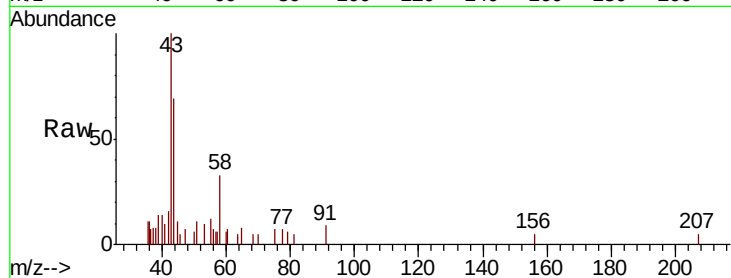
PAR-11-E3-(4)

Tgt Ion: 43 Resp: 1839

Ion Ratio Lower Upper

43 100

58 35.8 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

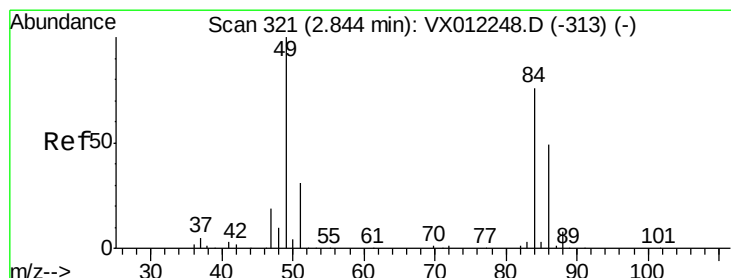
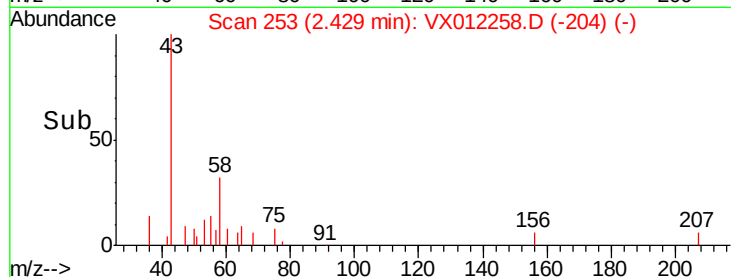
600

400

200

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 2.235 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

Tgt Ion: 84 Resp: 8048

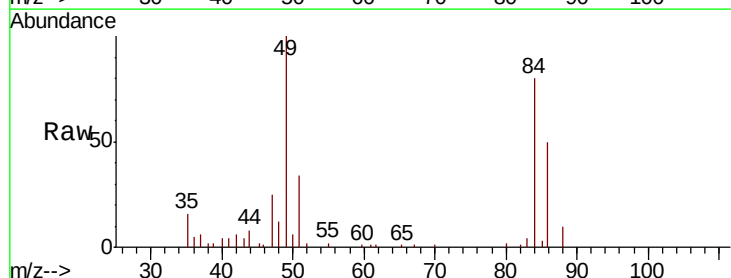
Ion Ratio Lower Upper

84 100

49 124.4 105.0 157.6

51 41.3 32.6 48.8

86 62.5 51.8 77.6



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

8000

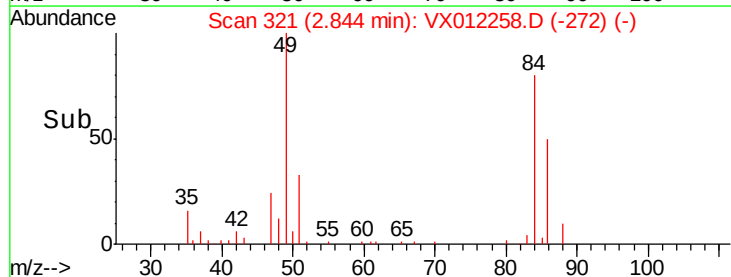
6000

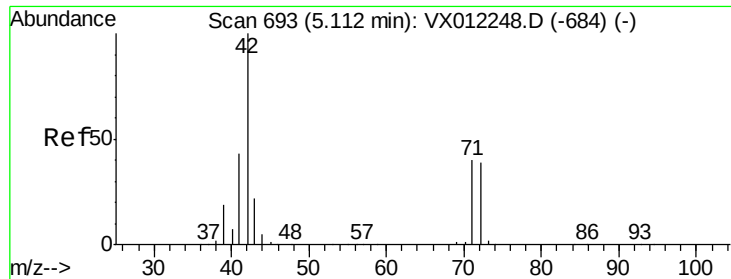
4000

2000

0

Time--> 2.75 2.80 2.85 2.90

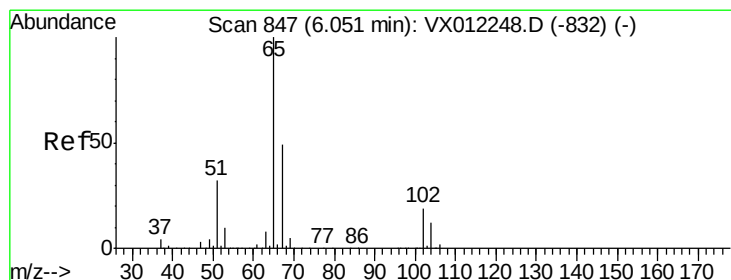
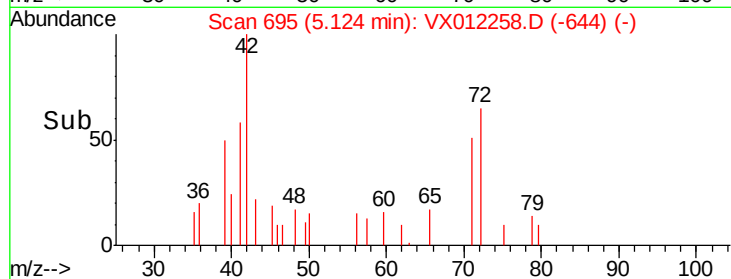
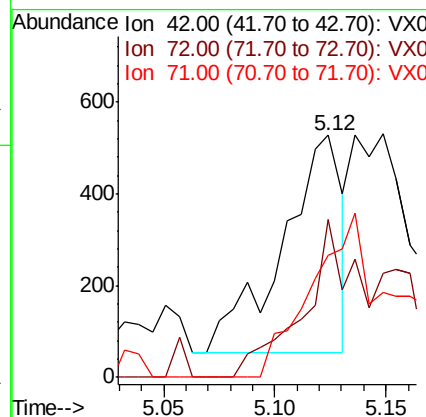
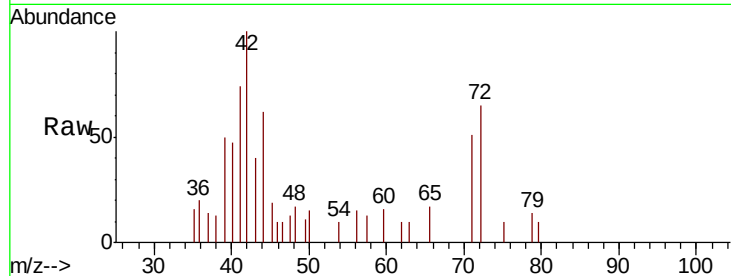




#29
Tetrahydrofuran
Concen: 2.366 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012258.D
Acq: 10 Sep 2019 16:27

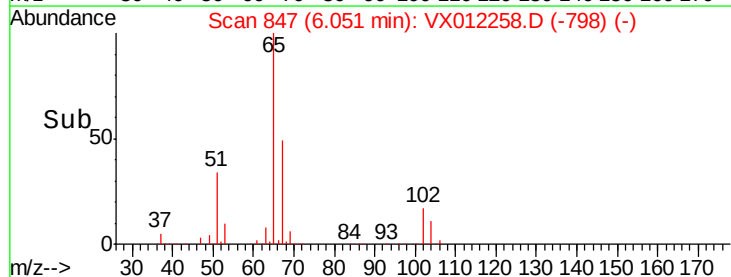
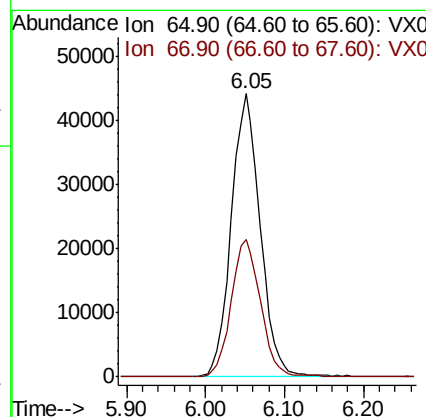
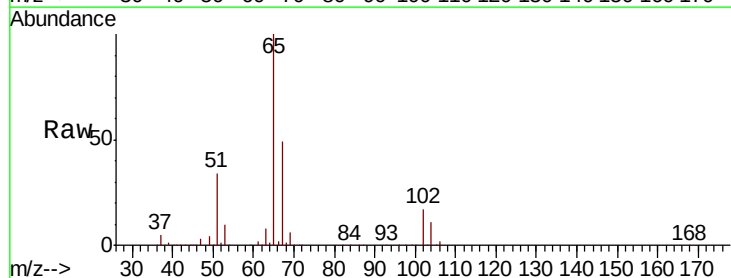
Instrument :
MSVOA_X
ClientSampled :
PAR-11-E3-(4)

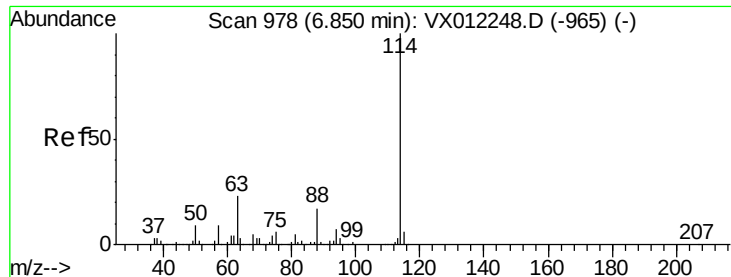
Tgt Ion: 42 Resp: 886
Ion Ratio Lower Upper
42 100
72 63.2 35.2 52.8#
71 81.9 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 49.029 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012258.D
Acq: 10 Sep 2019 16:27

Tgt Ion: 65 Resp: 112431
Ion Ratio Lower Upper
65 100
67 48.9 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: VX012258.D

Acq: 10 Sep 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E3-(4)

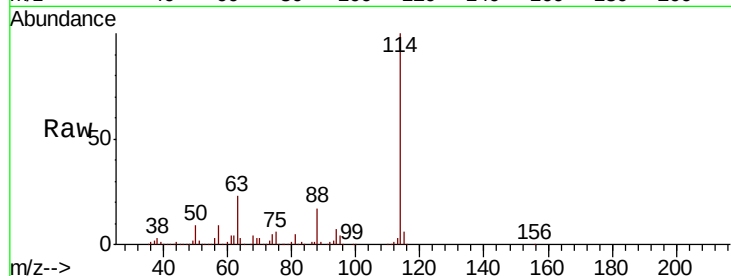
Tgt Ion:114 Resp: 286296

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

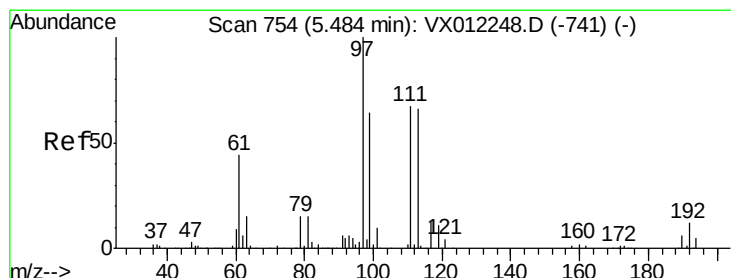
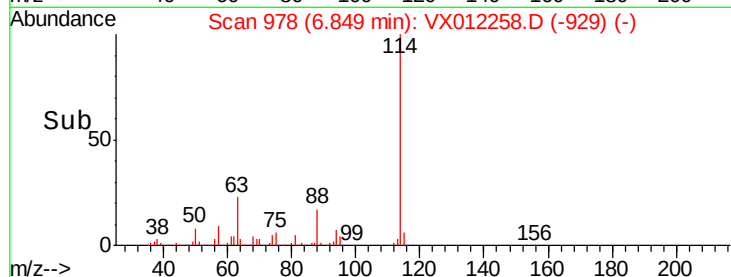
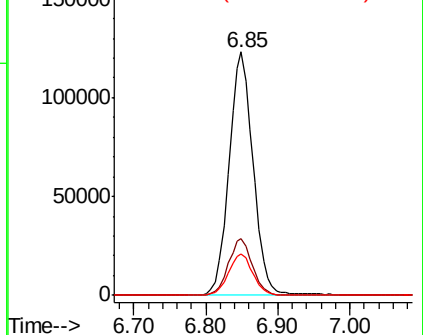
88 17.2 0.0 34.8



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: 46.771 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

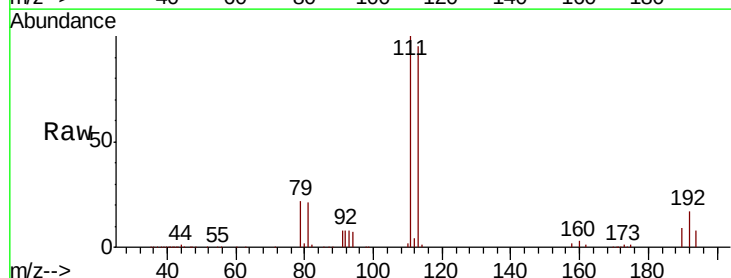
Tgt Ion:113 Resp: 85838

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

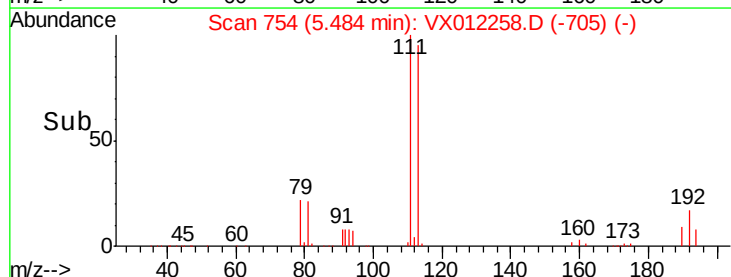
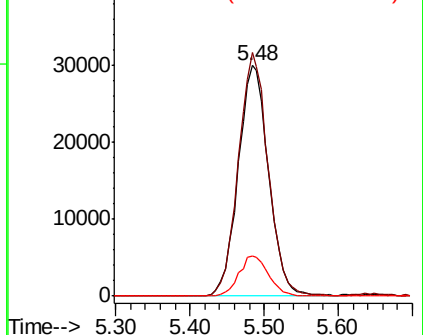
192 17.2 14.3 21.5

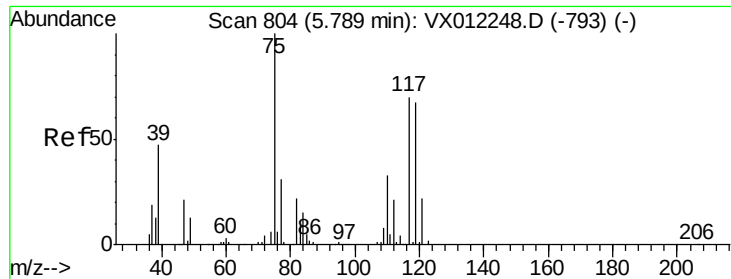


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

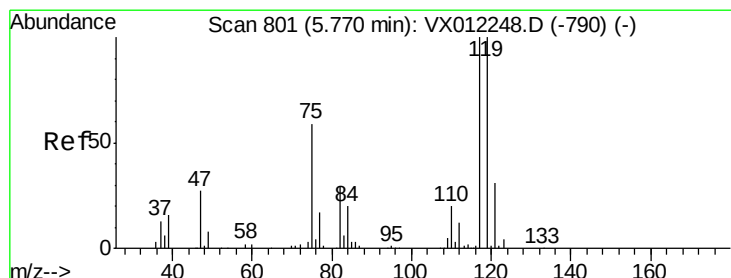
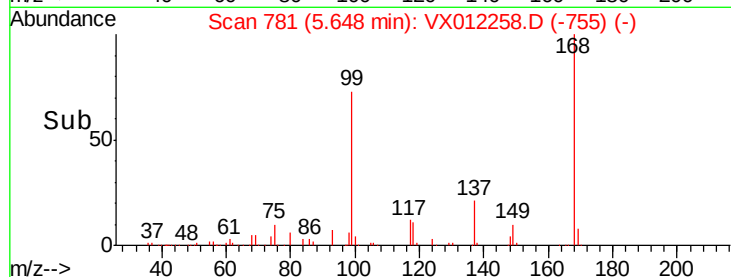
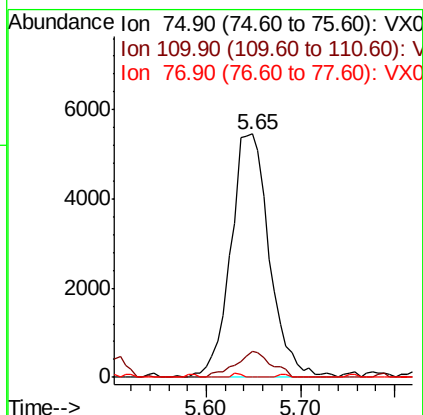
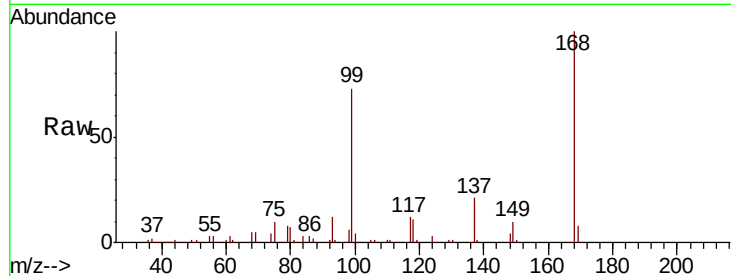




#36
 1,1-Dichloropropene
 Concen: 7.470 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012258.D
 Acq: 10 Sep 2019 16:27

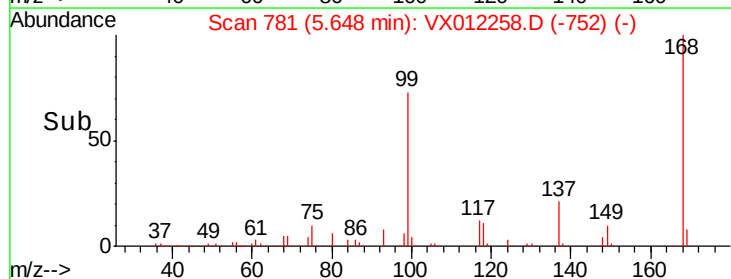
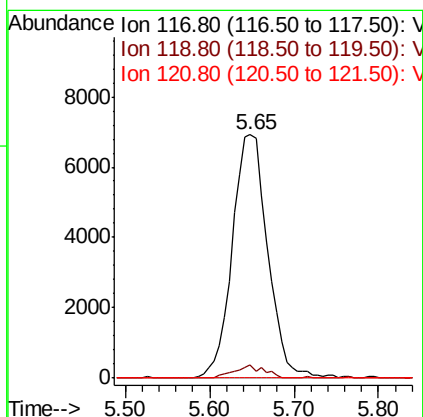
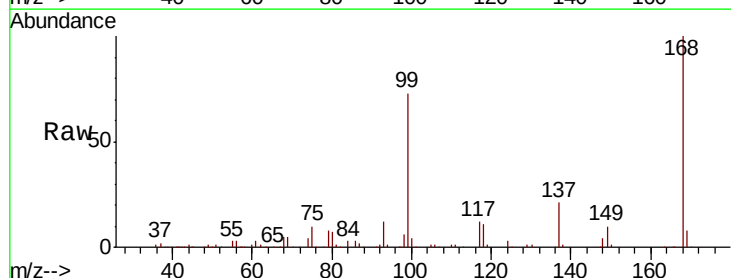
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-E3-(4)

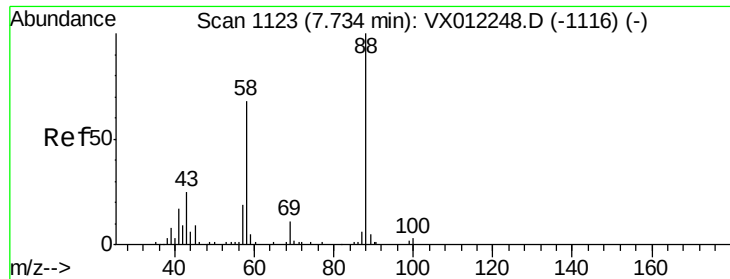
Tgt Ion: 75 Resp: 15594
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.8 50.4#
 77 0.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.052 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012258.D
 Acq: 10 Sep 2019 16:27

Tgt Ion: 117 Resp: 19721
 Ion Ratio Lower Upper
 117 100
 119 5.6 79.6 119.4#
 121 0.0 24.7 37.1#

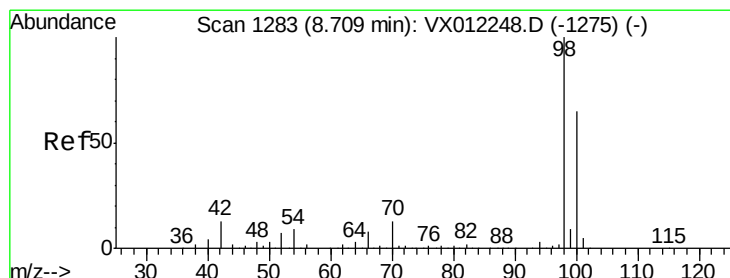
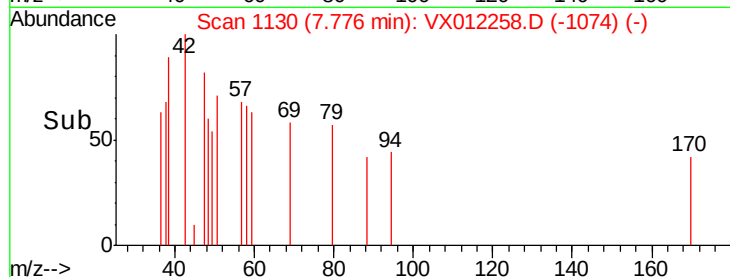
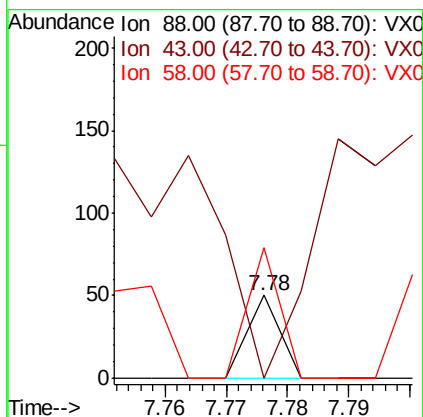
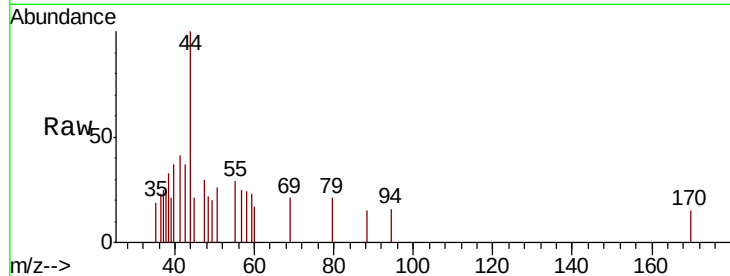




#49
1,4-Dioxane
Concen: 1.024 ug/l
RT: 7.78 min Scan# 1130
Delta R.T. 0.04 min
Lab File: VX012258.D
Acq: 10 Sep 2019 16:27

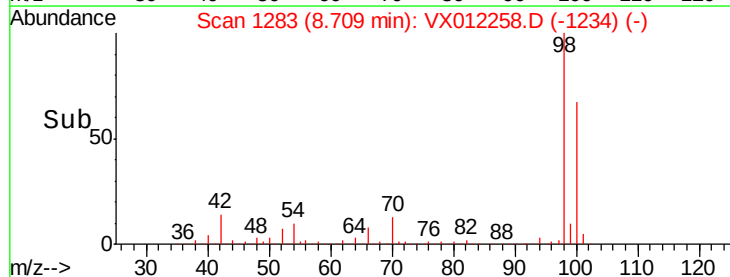
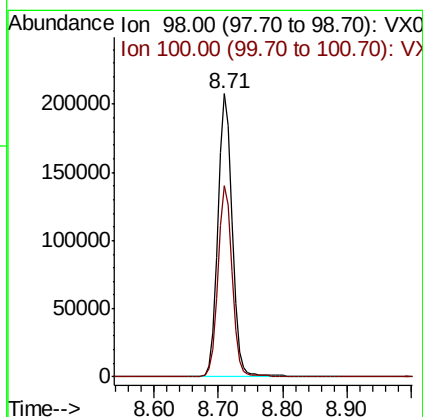
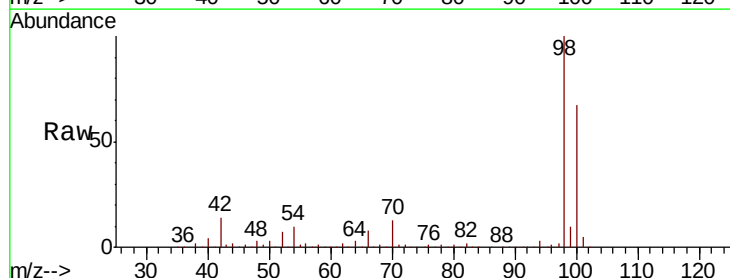
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-E3-(4)

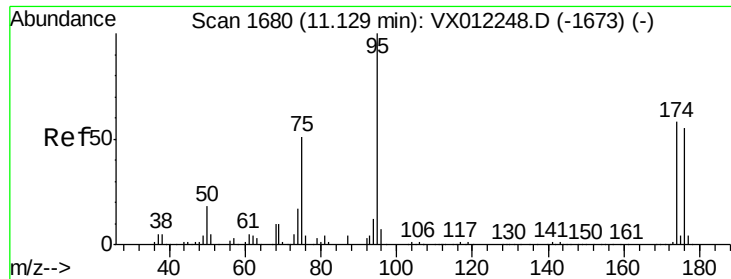
Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 161.1 61.5 92.3#



#50
Toluene-d8
Concen: 51.164 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012258.D
Acq: 10 Sep 2019 16:27

Tgt Ion: 98 Resp: 329342
Ion Ratio Lower Upper
98 100
100 66.9 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 38.457 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E3-(4)

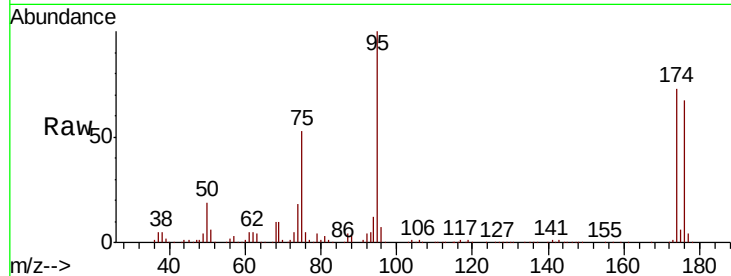
Tgt Ion: 95 Resp: 114763

Ion Ratio Lower Upper

95 100

174 65.0 0.0 127.0

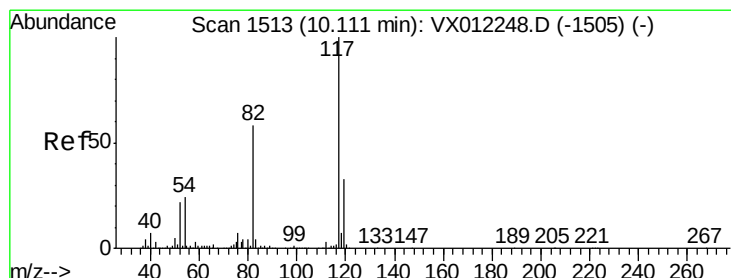
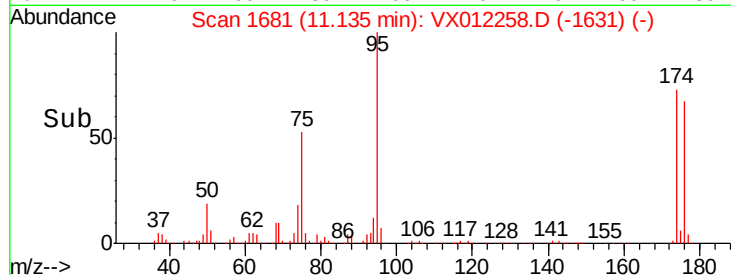
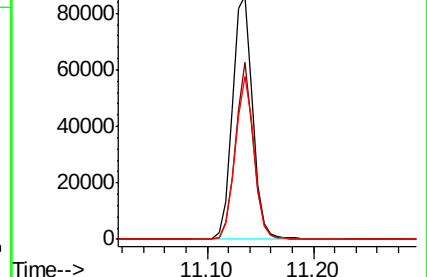
176 62.6 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

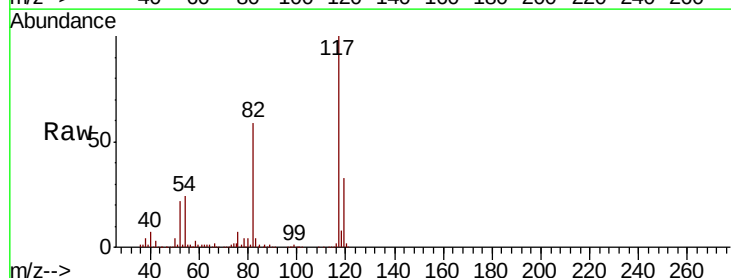
Tgt Ion: 117 Resp: 233067

Ion Ratio Lower Upper

117 100

82 59.1 46.4 69.6

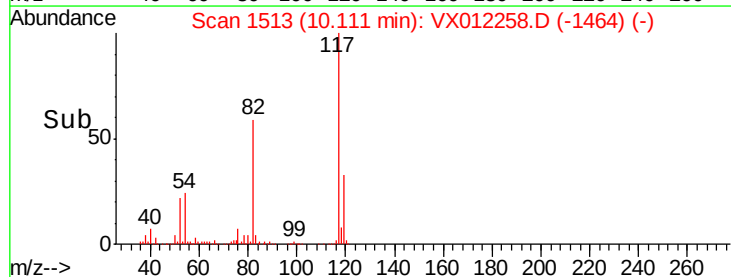
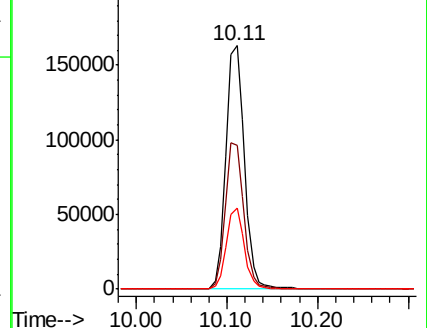
119 33.0 26.6 39.8

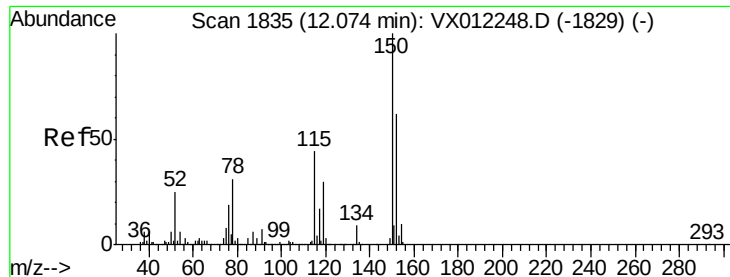


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)

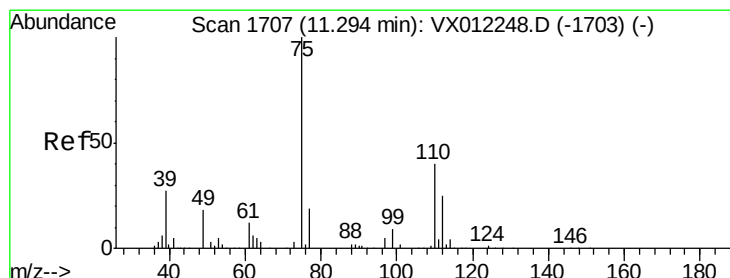
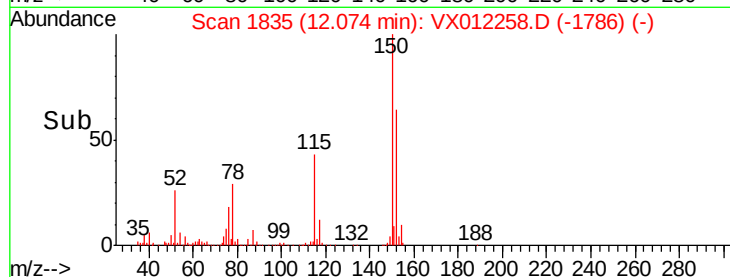
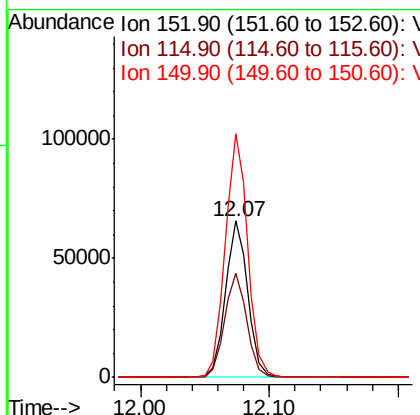
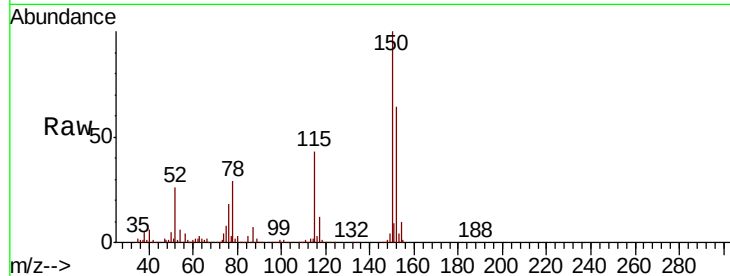




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012258.D
 Acq: 10 Sep 2019 16:27

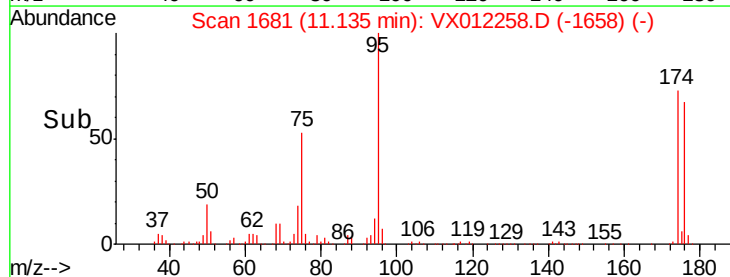
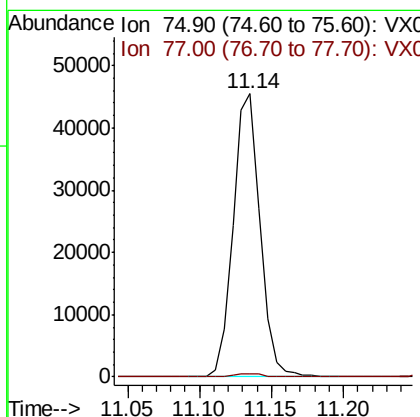
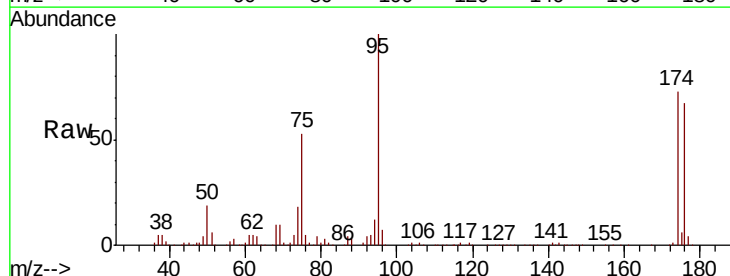
Instrument :
 MSVOA_X
 ClientSampled :
 PAR-11-E3-(4)

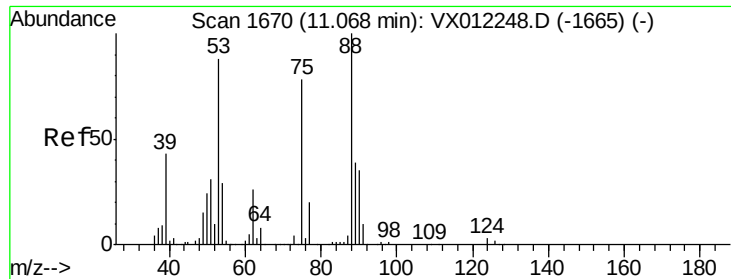
Tgt Ion: 152 Resp: 79626
 Ion Ratio Lower Upper
 152 100
 115 66.5 45.5 136.4
 150 157.5 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 58.236 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012258.D
 Acq: 10 Sep 2019 16:27

Tgt Ion: 75 Resp: 59570
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.7 59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 174.487 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012258.D

Acq: 10 Sep 2019 16:27

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E3-(4)

Tgt Ion: 75 Resp: 59570

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.0 43.5 65.3#

