

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012263.D
 Acq On : 10 Sep 2019 18:47
 Operator : SY/SP
 Sample : K4624-10
 Misc : 5.77g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A4-(0)

Quant Time: Sep 11 01:37:19 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	174778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	306571	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104650	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	121097	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
35) Dibromofluoromethane	5.48	113	92698	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	8.71	98	362549	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.13	95	134996	42.25	ug/l	0.00
Spiked Amount			Recovery	=	84.50%	

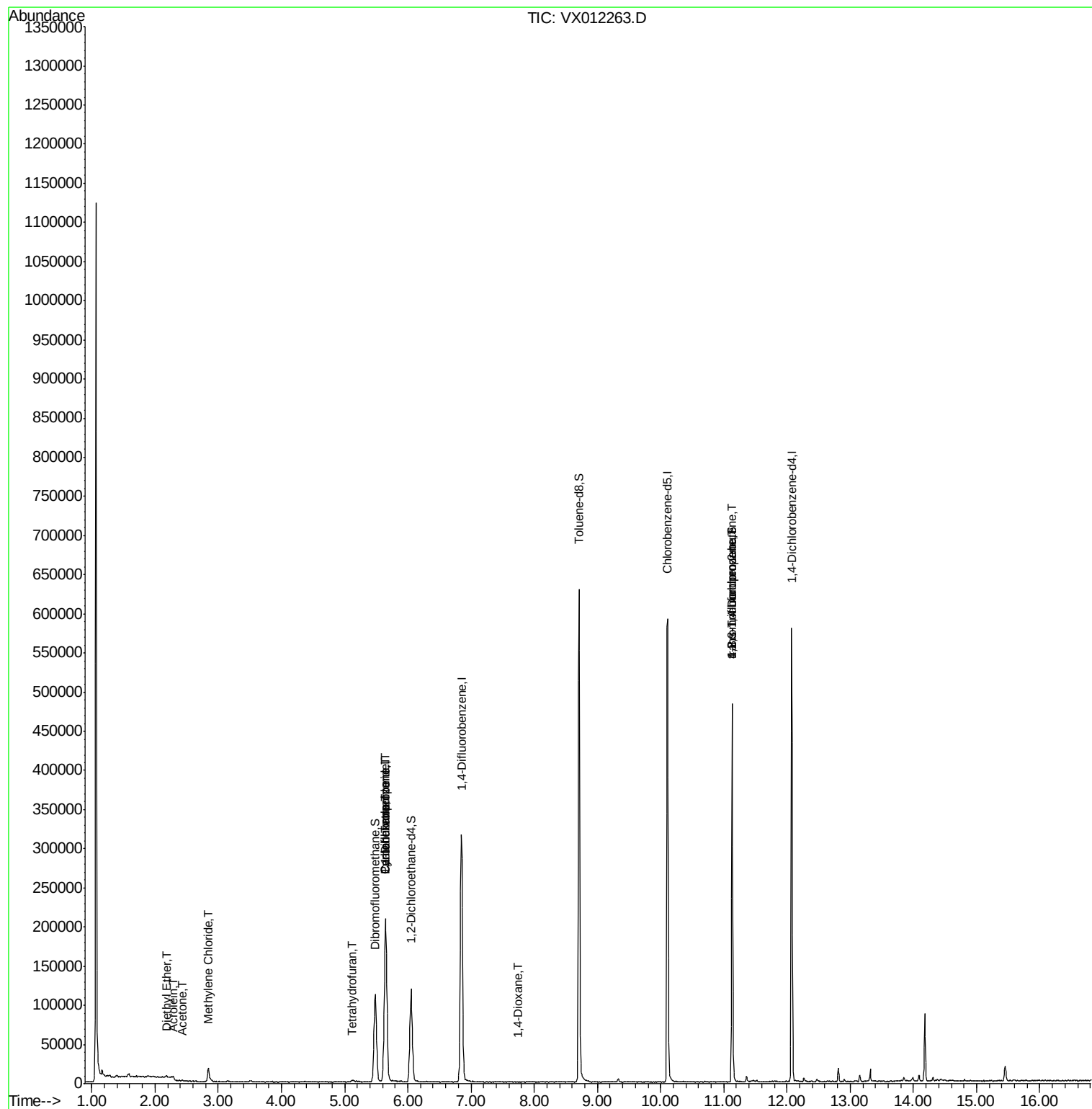
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	157	Below Cal	#	3
8) Diethyl Ether	2.18	74	1125	1.426	ug/l	62
11) Tert butyl alcohol	3.04	59	283	Below Cal	#	42
13) Acrolein	2.28	56	319	2.470	ug/l #	55
16) Acetone	2.44	43	1414	2.417	ug/l	96
20) Methylene Chloride	2.84	84	7025	1.282	ug/l	93
29) Tetrahydrofuran	5.12	42	3281	8.132	ug/l	90
31) Cyclohexane	5.64	56	5207	2.269	ug/l #	20
36) 1,1-Dichloropropene	5.64	75	16133	7.217	ug/l #	53
38) Carbon Tetrachloride	5.65	117	20667	7.880	ug/l #	15
49) 1,4-Dioxane	7.73	88	41	2.179	ug/l #	65
76) 1,2,3-Trichloropropane	11.13	75	71893	53.477	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	71893	160.228	ug/l #	5

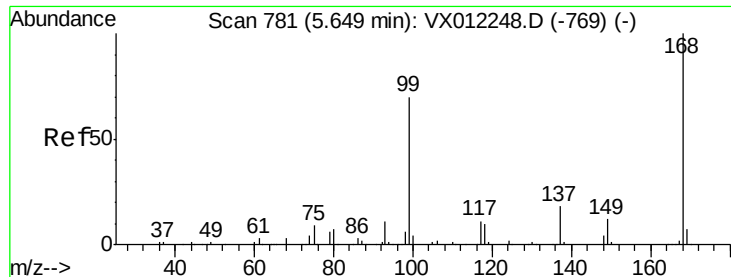
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012263.D

Acq: 10 Sep 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

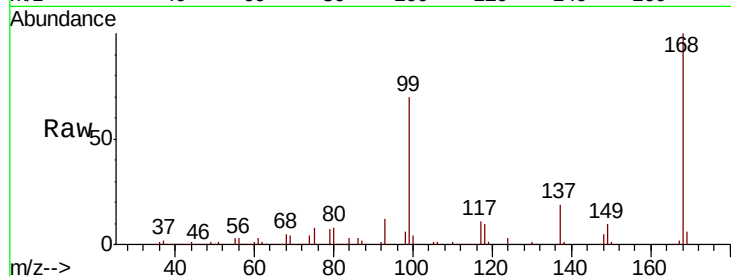
T-11-A4-(0)

Tgt Ion:168 Resp: 174778

Ion Ratio Lower Upper

168 100

99 70.2 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

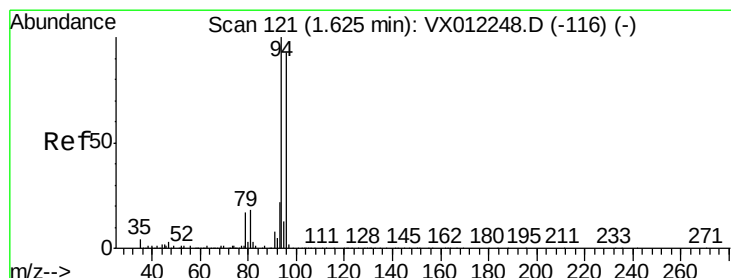
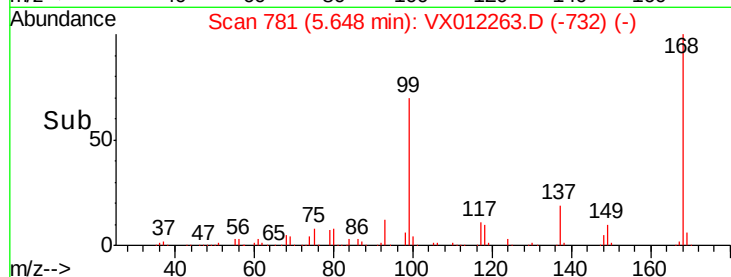
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX012263.D

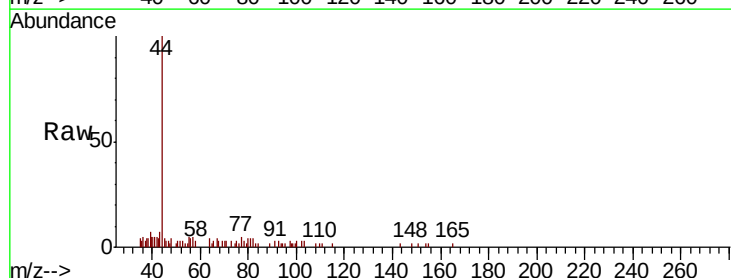
Acq: 10 Sep 2019 18:47

Tgt Ion: 94 Resp: 157

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

1.60

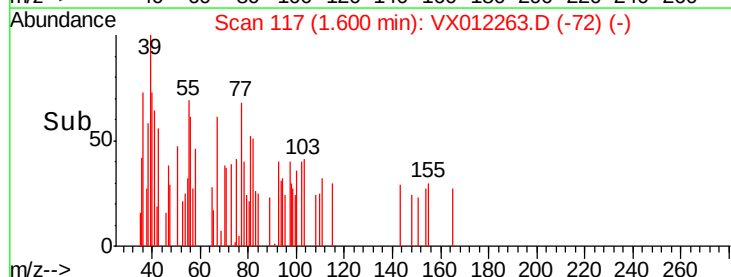
150

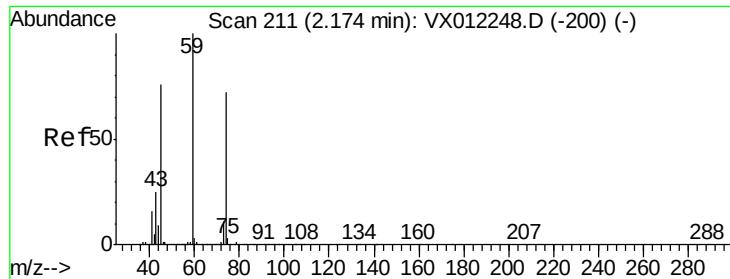
100

50

0

Time--> 1.58 1.60 1.62





#8

Diethyl Ether

Concen: 1.426 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012263.D

Acq: 10 Sep 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

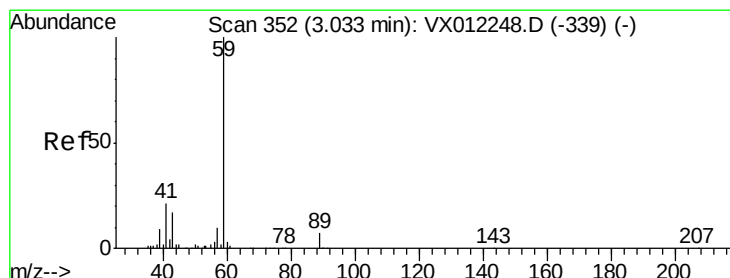
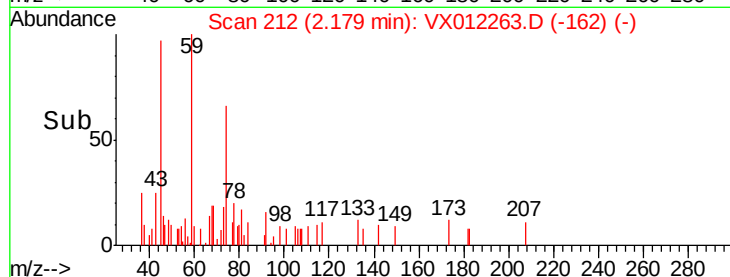
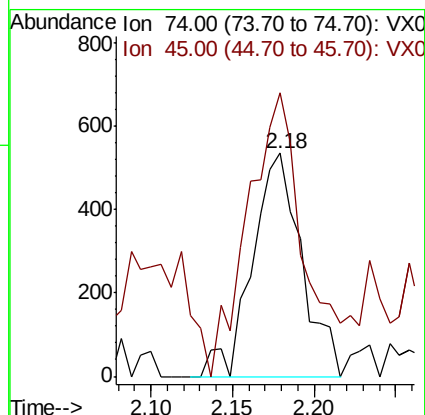
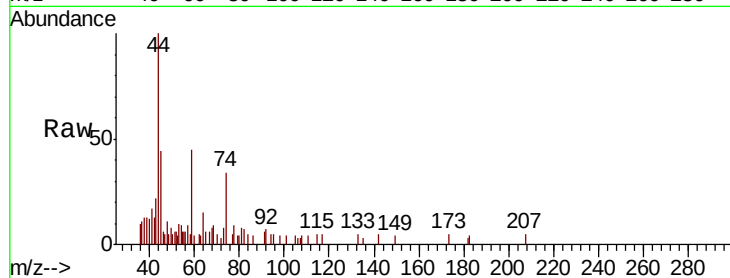
T-11-A4-(0)

Tgt Ion: 74 Resp: 1125

Ion Ratio Lower Upper

74 100

45 141.4 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.04 min Scan# 354

Delta R.T. 0.01 min

Lab File: VX012263.D

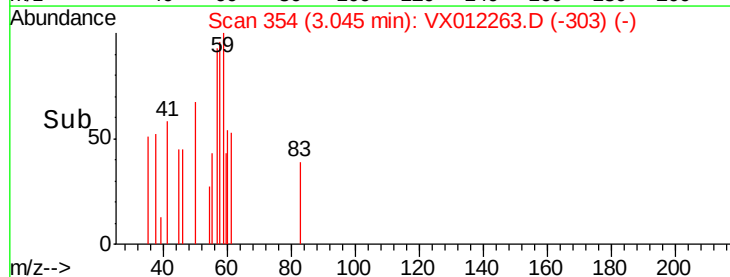
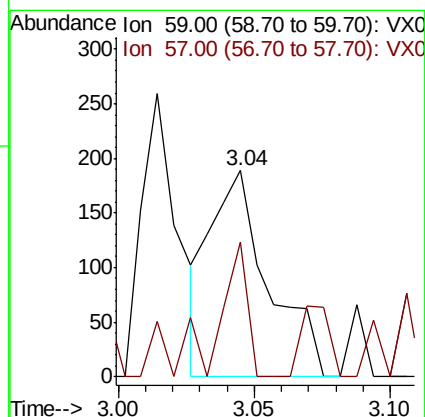
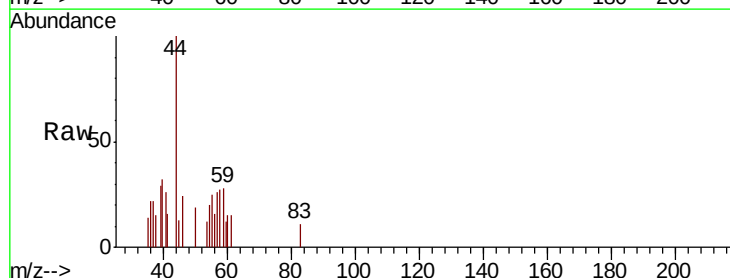
Acq: 10 Sep 2019 18:47

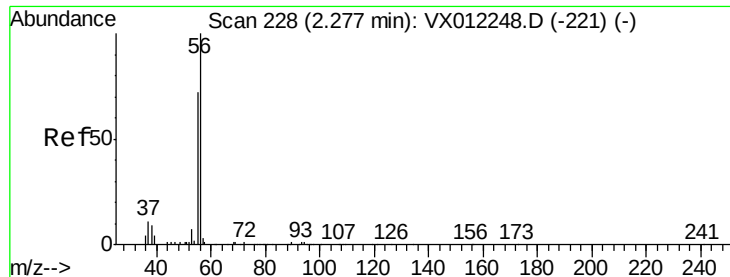
Tgt Ion: 59 Resp: 283

Ion Ratio Lower Upper

59 100

57 31.1 7.8 11.6#





#13

Acrolein

Concen: 2.470 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012263.D

Acq: 10 Sep 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

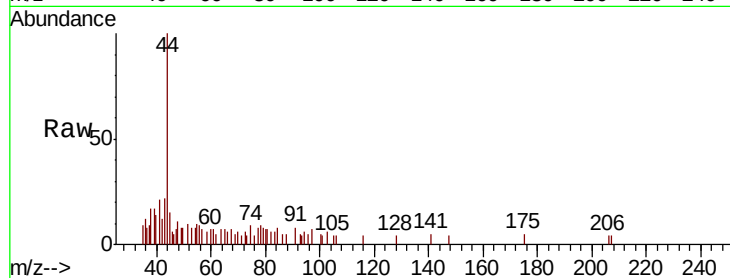
T-11-A4-(0)

Tgt Ion: 56 Resp: 319

Ion Ratio Lower Upper

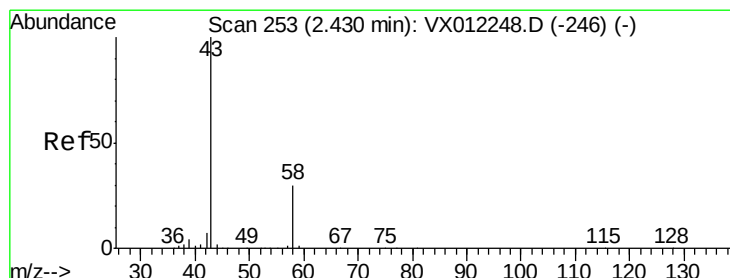
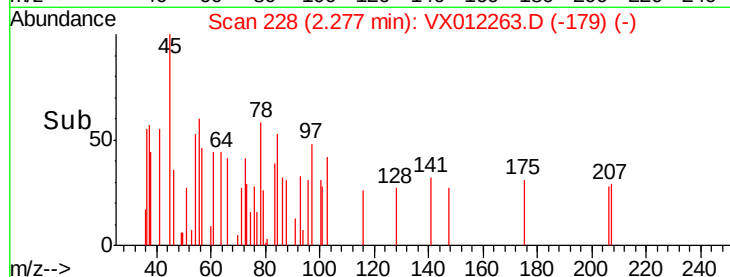
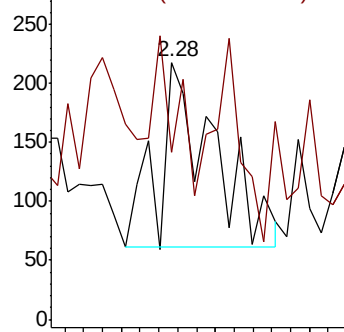
56 100

55 36.7 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.417 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012263.D

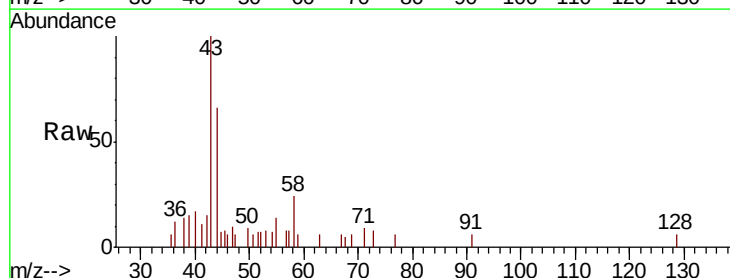
Acq: 10 Sep 2019 18:47

Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

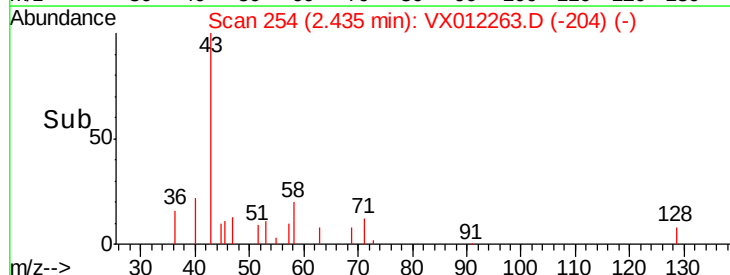
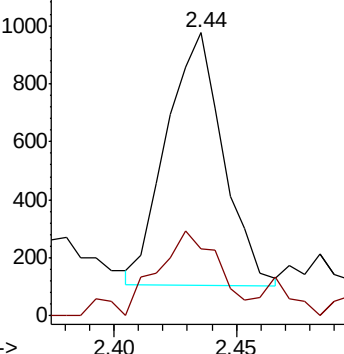
43 100

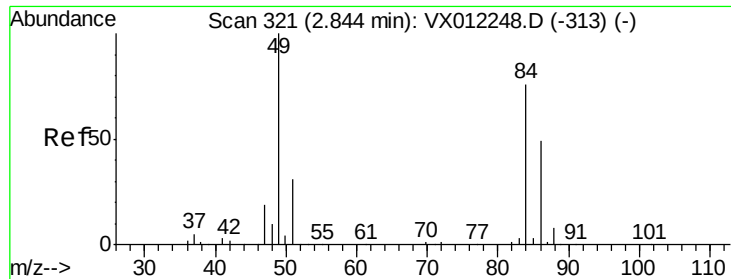
58 27.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

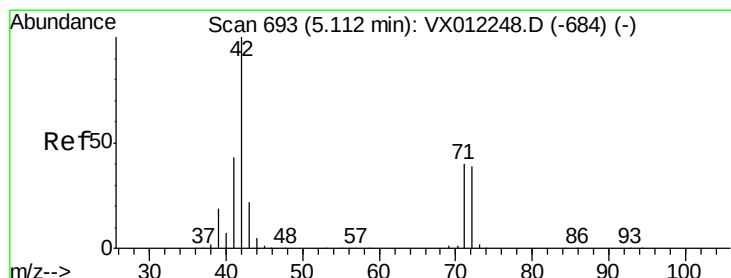
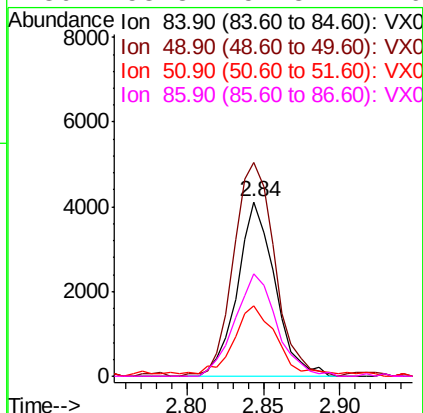
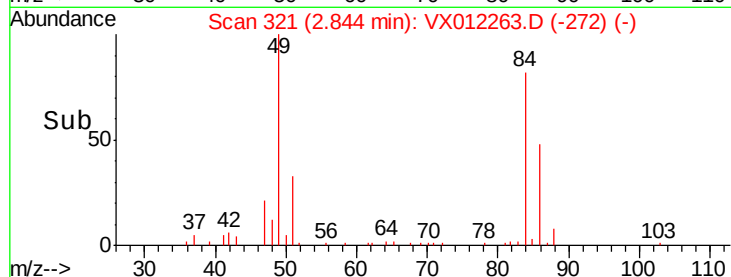
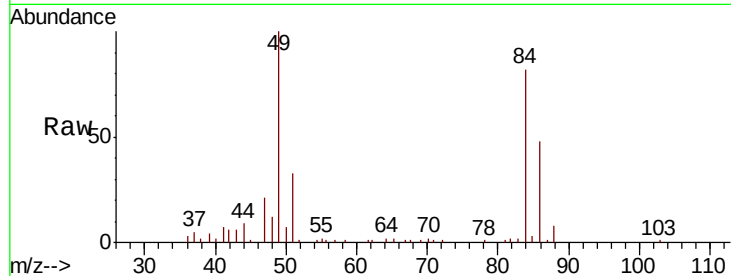




#20
Methylene Chloride
Concen: 1.282 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012263.D
Acq: 10 Sep 2019 18:47

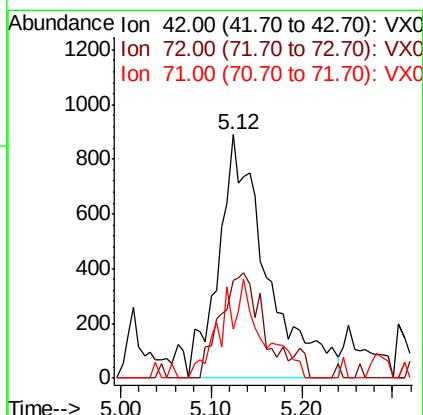
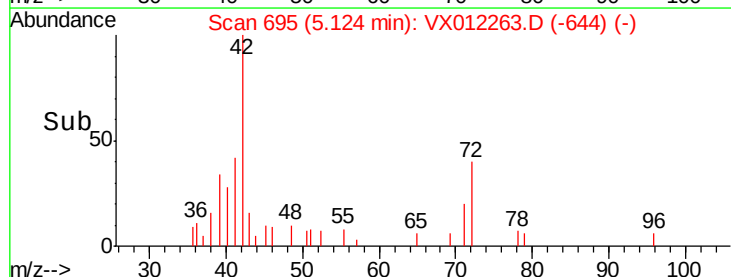
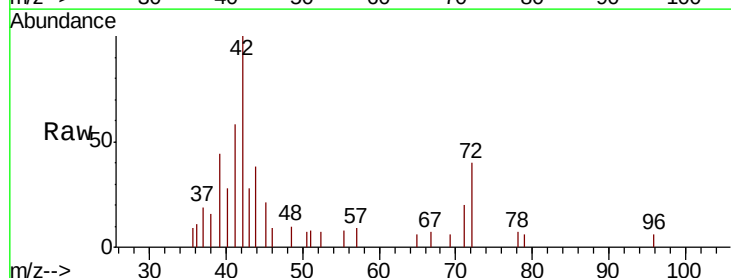
Instrument :
MSVOA_X
ClientSampleId :
T-11-A4-(0)

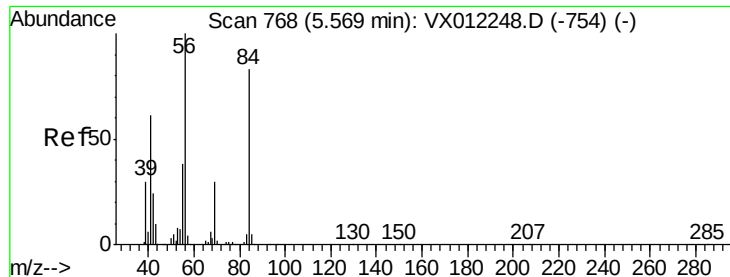
Tgt Ion:	84	Resp:	7025
Ion	Ratio	Lower	Upper
84	100		
49	122.4	105.0	157.6
51	38.8	32.6	48.8
86	58.8	51.8	77.6



#29
Tetrahydrofuran
Concen: 8.132 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012263.D
Acq: 10 Sep 2019 18:47

Tgt Ion:	42	Resp:	3281
Ion	Ratio	Lower	Upper
42	100		
72	37.6	35.2	52.8
71	33.9	32.5	48.7

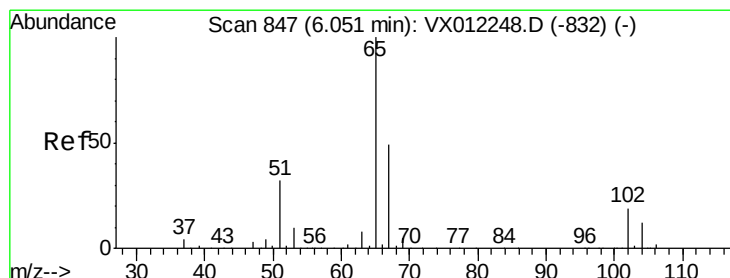
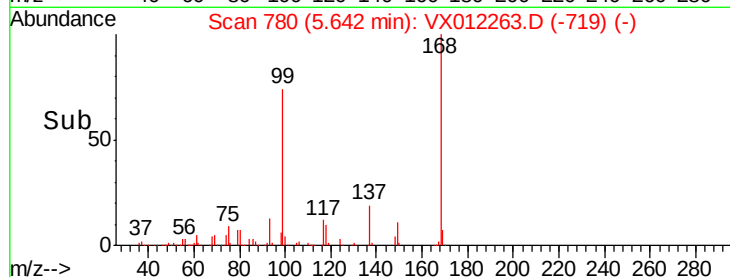
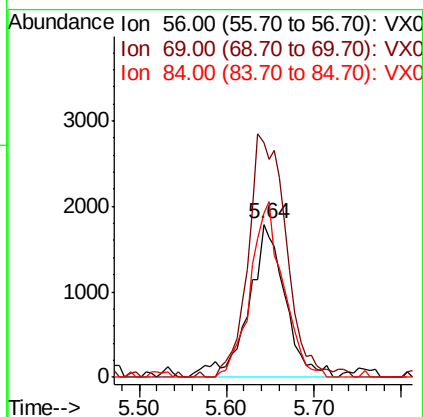
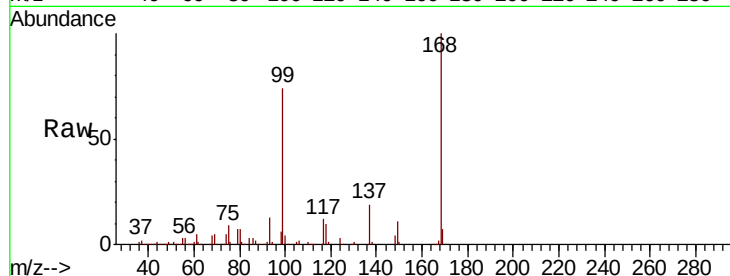




#31
Cyclohexane
Concen: 2.269 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012263.D
Acq: 10 Sep 2019 18:47

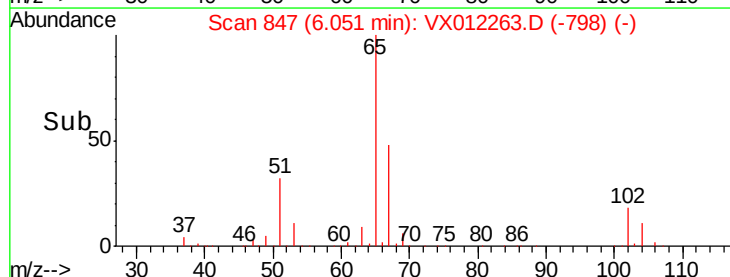
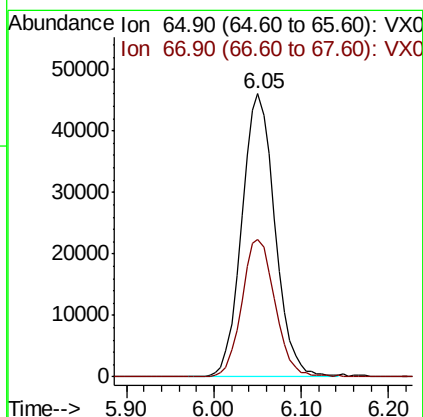
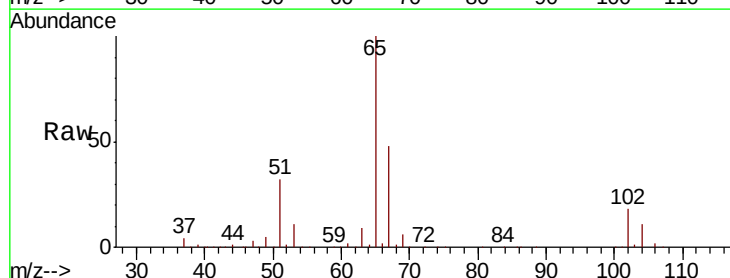
Instrument :
MSVOA_X
ClientSampleId :
T-11-A4-(0)

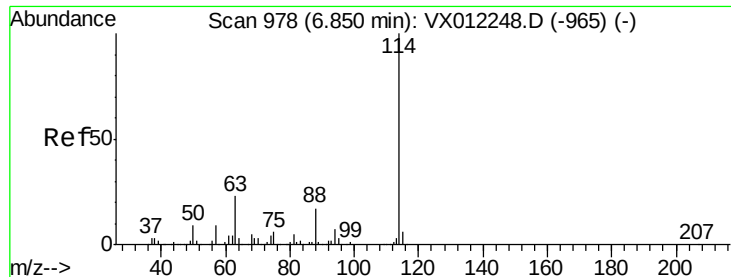
Tgt Ion: 56 Resp: 5207
Ion Ratio Lower Upper
56 100
69 153.2 23.8 35.6#
84 107.6 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 49.007 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012263.D
Acq: 10 Sep 2019 18:47

Tgt Ion: 65 Resp: 121097
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: VX012263.D

Acq: 10 Sep 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

T-11-A4-(0)

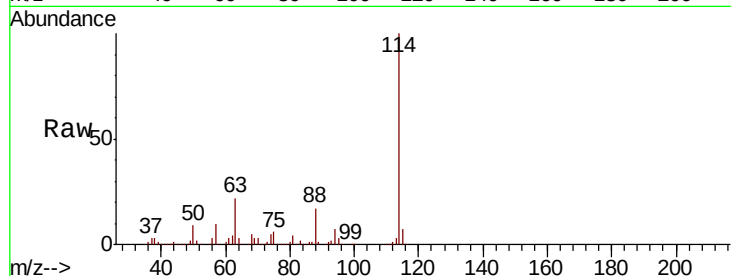
Tgt Ion:114 Resp: 306571

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

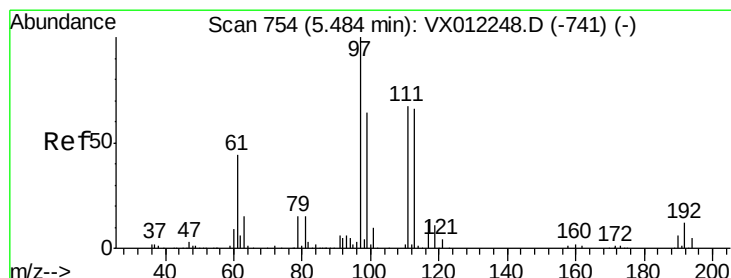
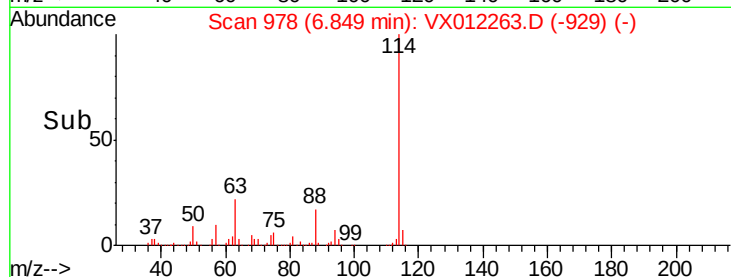
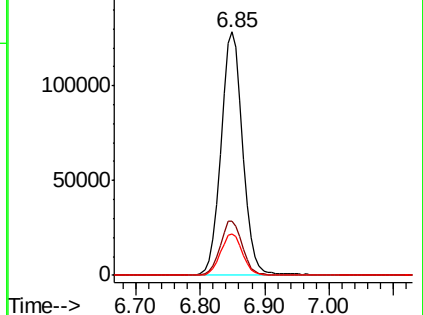
88 16.9 0.0 34.8



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: 47.168 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012263.D

Acq: 10 Sep 2019 18:47

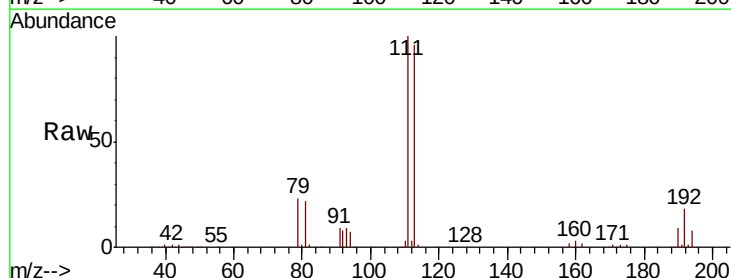
Tgt Ion:113 Resp: 92698

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.6

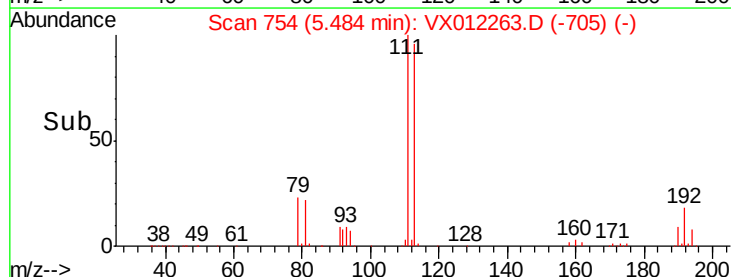
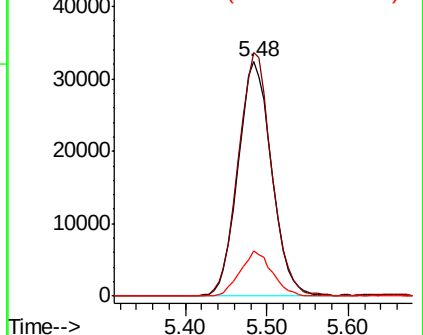
192 18.1 14.3 21.5

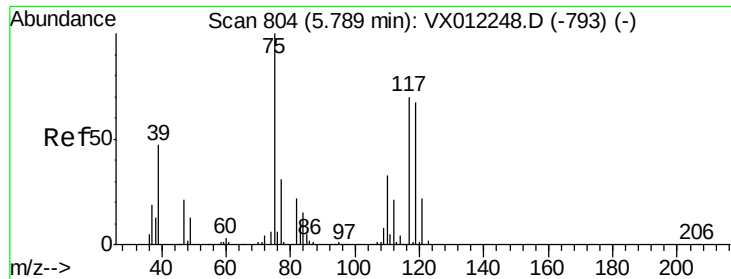


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

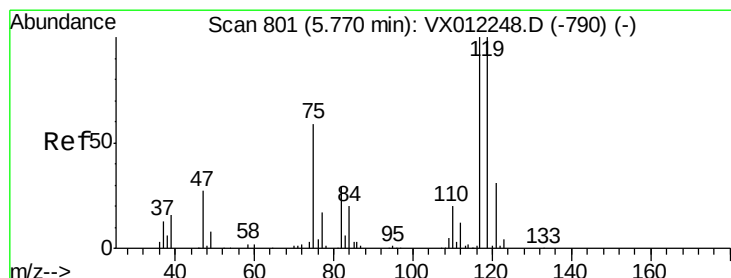
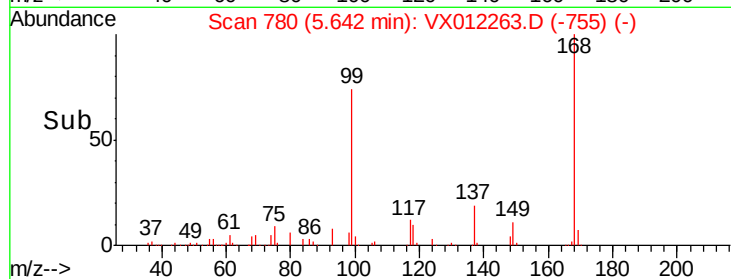
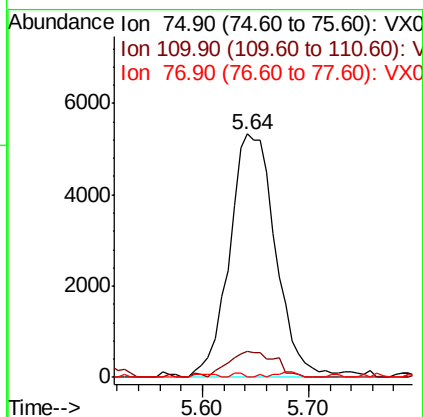
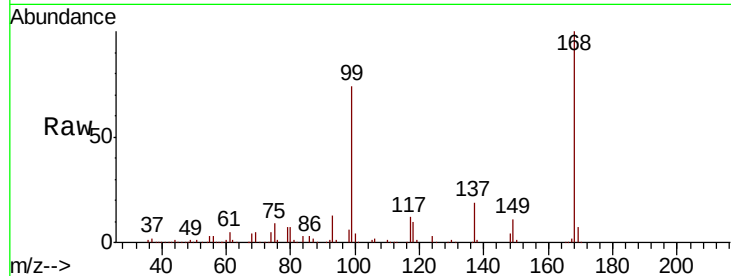




#36
 1,1-Dichloropropene
 Concen: 7.217 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012263.D
 Acq: 10 Sep 2019 18:47

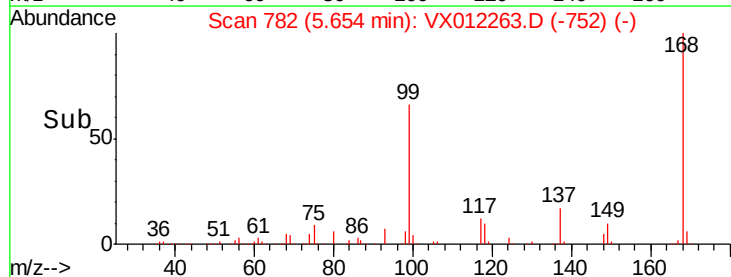
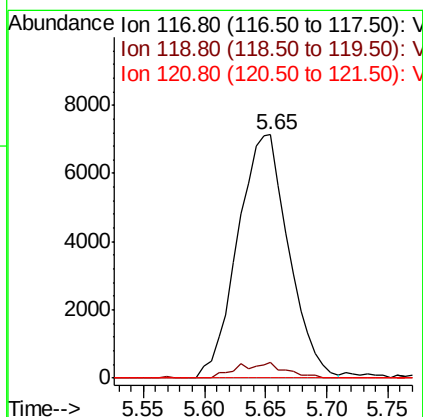
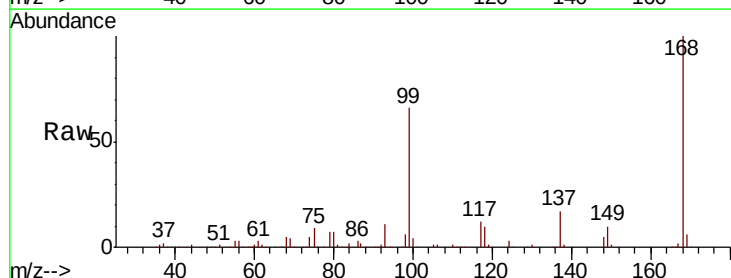
Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A4-(0)

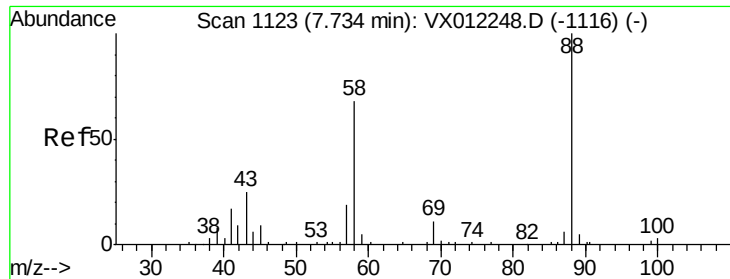
Tgt Ion: 75 Resp: 16133
 Ion Ratio Lower Upper
 75 100
 110 11.2 16.8 50.4#
 77 0.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.880 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012263.D
 Acq: 10 Sep 2019 18:47

Tgt Ion: 117 Resp: 20667
 Ion Ratio Lower Upper
 117 100
 119 6.4 79.6 119.4#
 121 0.0 24.7 37.1#

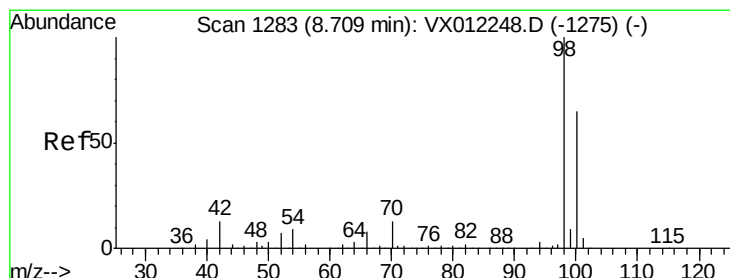
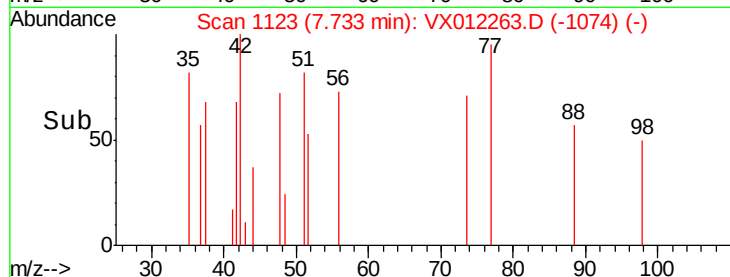
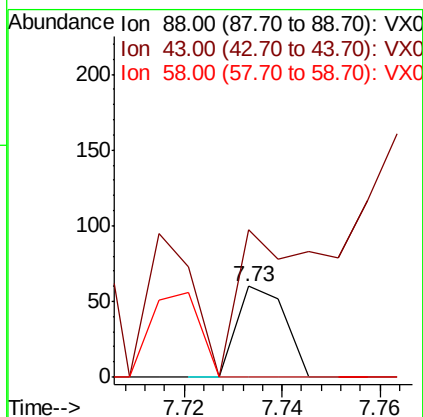
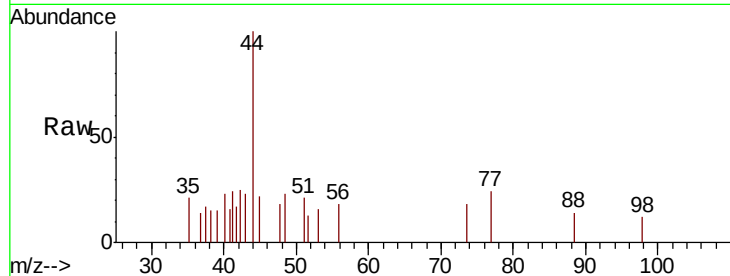




#49
1,4-Dioxane
Concen: 2.179 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012263.D
Acq: 10 Sep 2019 18:47

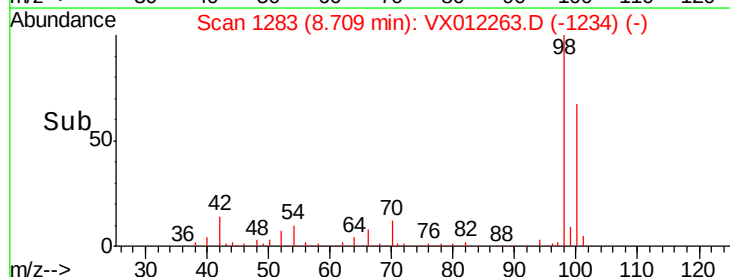
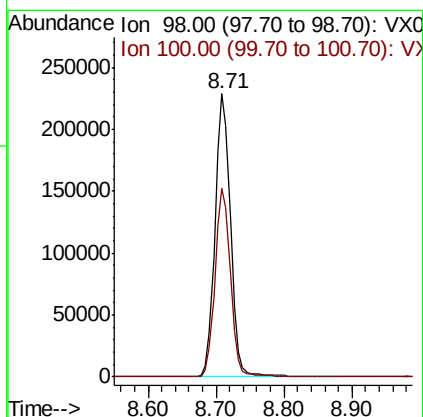
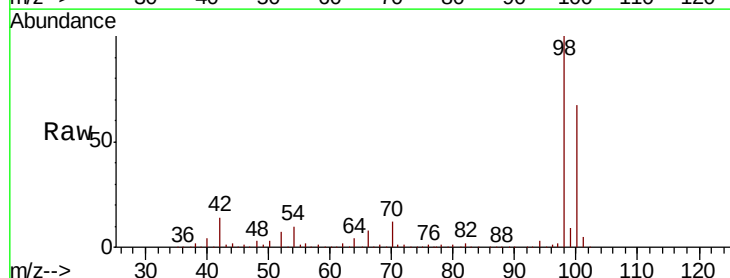
Instrument :
MSVOA_X
ClientSampled :
T-11-A4-(0)

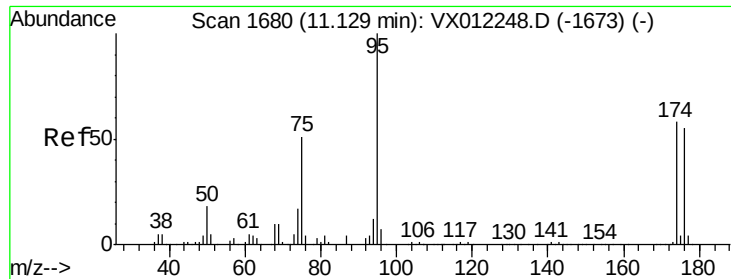
Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 95.1 61.5 92.3#



#50
Toluene-d8
Concen: 52.598 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012263.D
Acq: 10 Sep 2019 18:47

Tgt Ion: 98 Resp: 362549
Ion Ratio Lower Upper
98 100
100 66.6 54.1 81.1

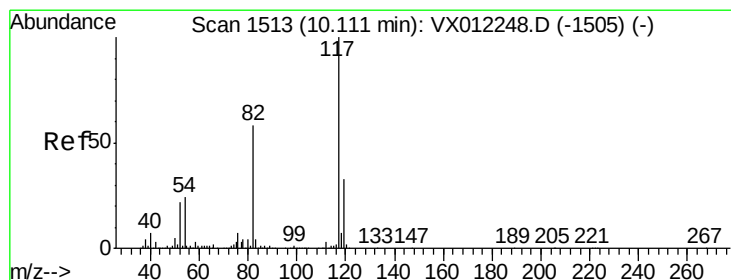
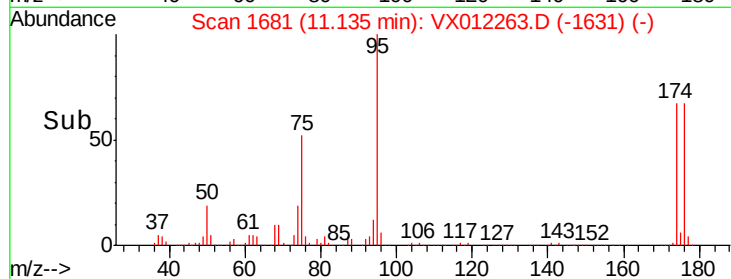
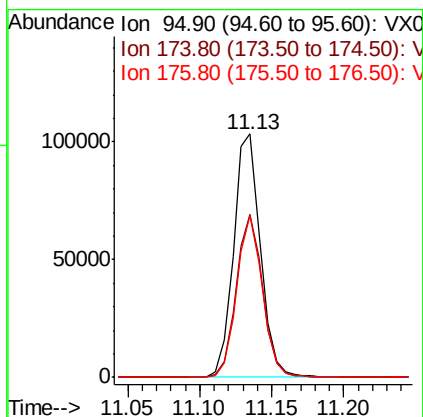
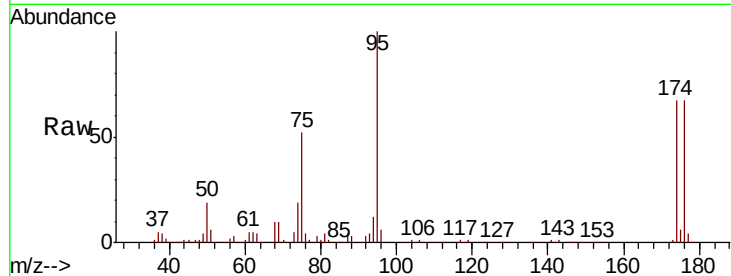




#62
 4-Bromofluorobenzene
 Concen: 42.245 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX012263.D
 Acq: 10 Sep 2019 18:47

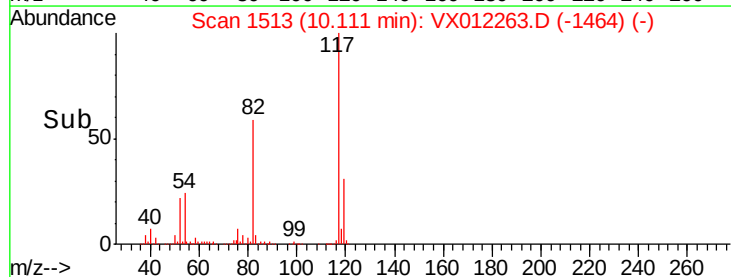
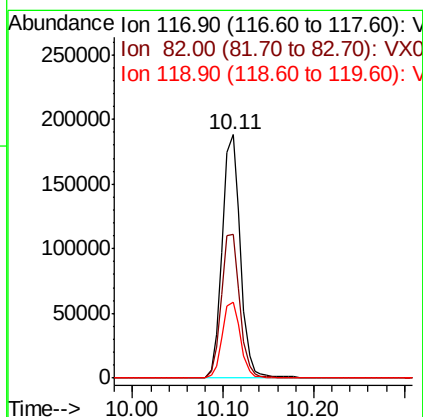
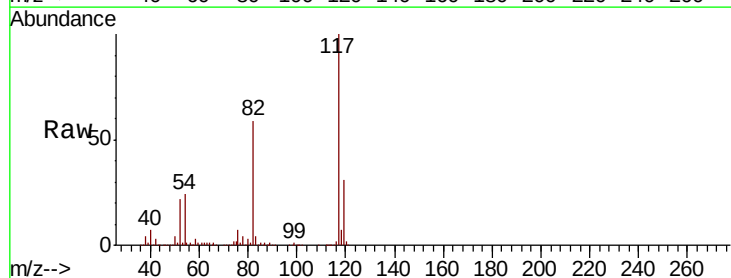
Instrument :
 MSVOA_X
 ClientSampled :
 T-11-A4-(0)

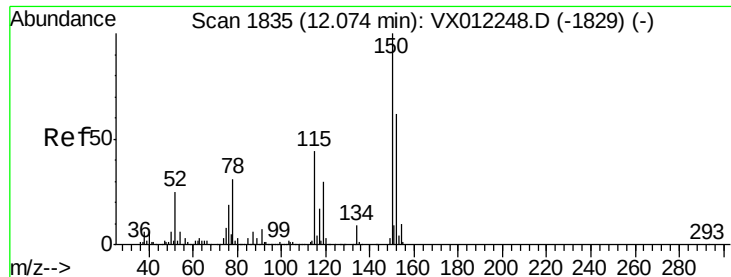
Tgt Ion	Resp	Lower	Upper
95	134996		
174	65.8	0.0	127.0
176	63.8	0.0	125.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012263.D
 Acq: 10 Sep 2019 18:47

Tgt Ion	Resp	Lower	Upper
117	263449		
82	59.3	46.4	69.6
119	31.2	26.6	39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012263.D

Acq: 10 Sep 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

T-11-A4-(0)

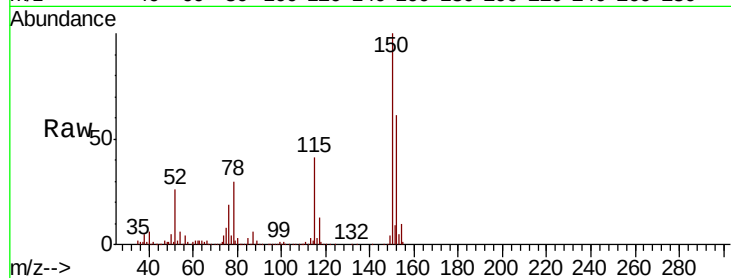
Tgt Ion:152 Resp: 104650

Ion Ratio Lower Upper

152 100

115 67.8 45.5 136.4

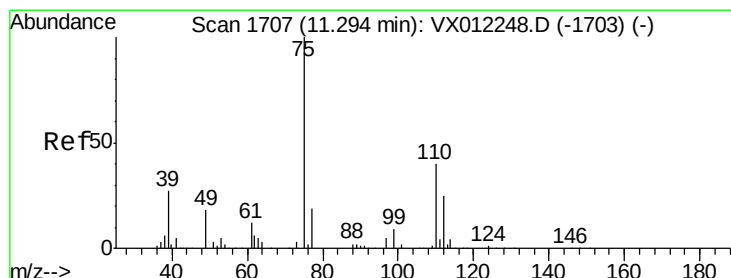
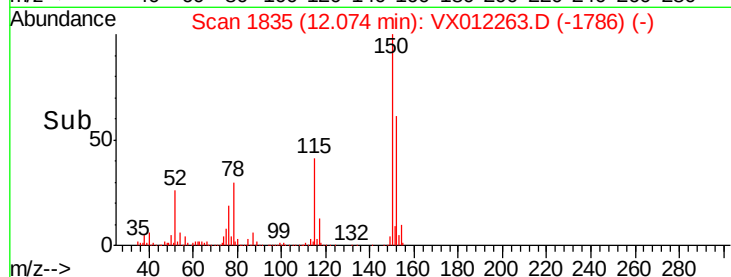
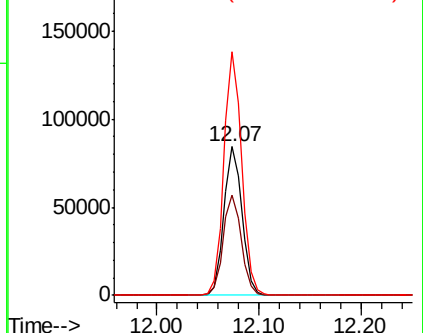
150 160.8 0.0 346.4



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: 53.477 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012263.D

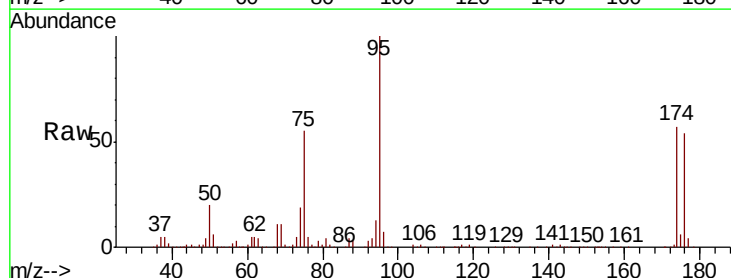
Acq: 10 Sep 2019 18:47

Tgt Ion: 75 Resp: 71893

Ion Ratio Lower Upper

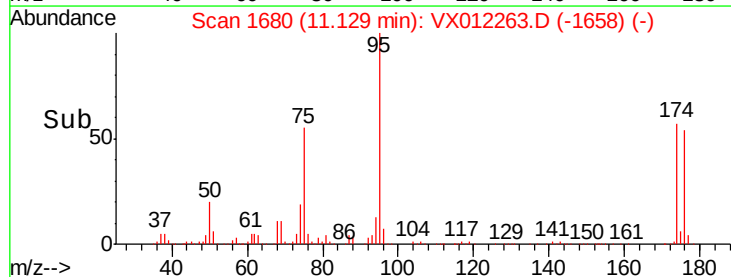
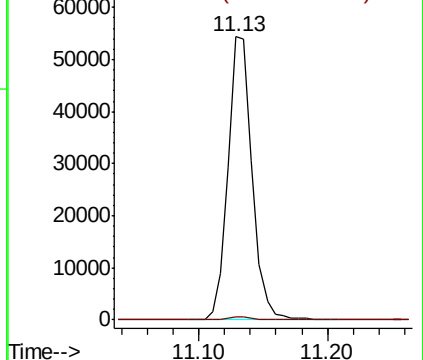
75 100

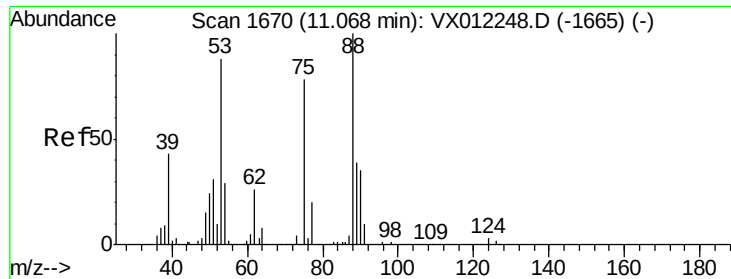
77 1.3 19.7 59.0#



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: 160.228 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012263.D

Acq: 10 Sep 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

T-11-A4-(0)

Tgt Ion: 75 Resp: 71893

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.1 43.5 65.3#

