

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012304.D
 Acq On : 11 Sep 2019 16:05
 Operator : SY/SP
 Sample : K4643-13
 Misc : 4.33g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C3-(0)

Quant Time: Sep 12 05:39:56 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	162534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	277433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109534	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	113333	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	5.48	113	84621	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	8.71	98	332342	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
62) 4-Bromofluorobenzene	11.14	95	130716	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

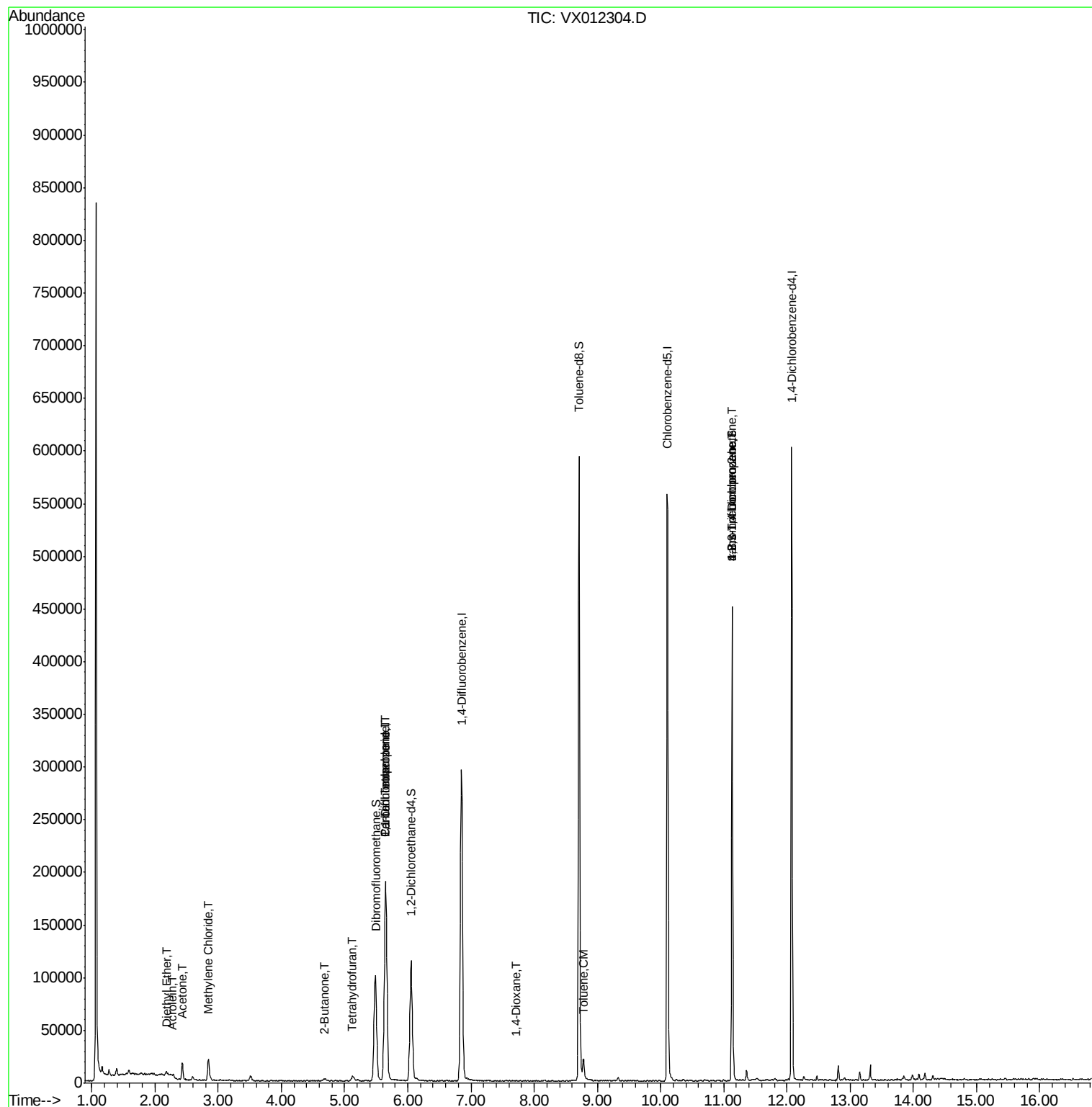
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	321	Below Cal	#	75
8) Diethyl Ether	2.17	74	1120	1.527	ug/l	84
11) Tert butyl alcohol	3.03	59	897	Below Cal	#	1
13) Acrolein	2.28	56	156	1.299	ug/l #	70
16) Acetone	2.43	43	18582	34.159	ug/l	95
20) Methylene Chloride	2.85	84	9060	2.854	ug/l	95
25) 2-Butanone	4.69	43	1821	2.619	ug/l #	75
29) Tetrahydrofuran	5.12	42	4783	12.748	ug/l	98
36) 1,1-Dichloropropene	5.65	75	14326	7.082	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18224	7.678	ug/l #	13
49) 1,4-Dioxane	7.72	88	19	1.116	ug/l #	1
52) Toluene	8.78	92	6493	1.606	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	68220	48.482	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	68220	145.262	ug/l #	5

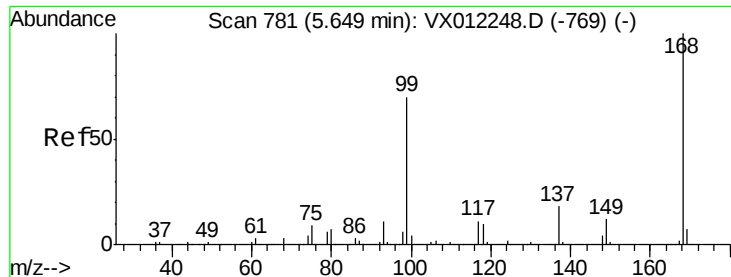
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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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: VX012304.D

Acq: 11 Sep 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

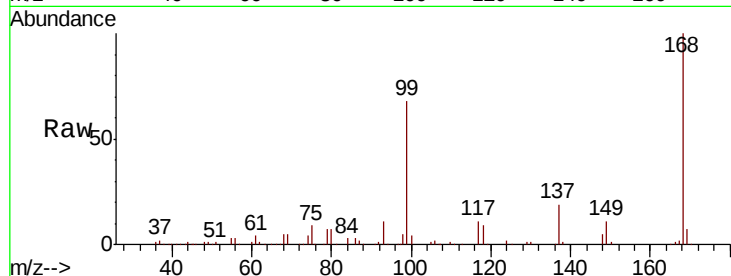
T11-C3-(0)

Tgt Ion: 168 Resp: 162534

Ion Ratio Lower Upper

168 100

99 68.3 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

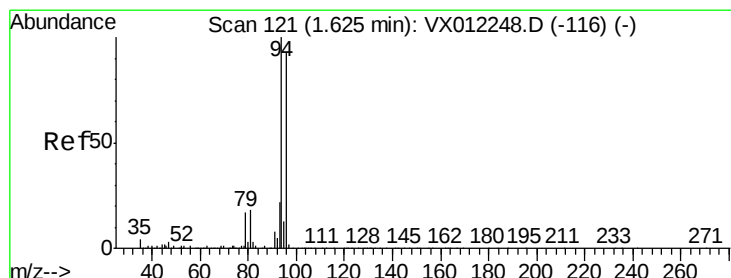
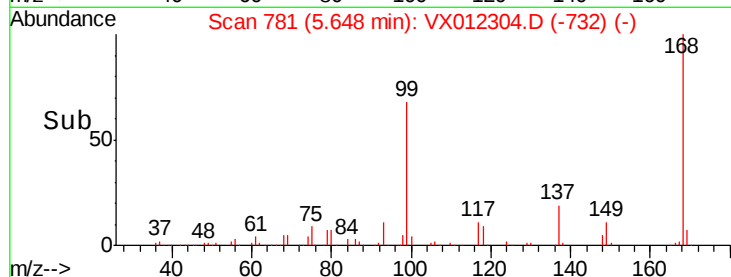
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012304.D

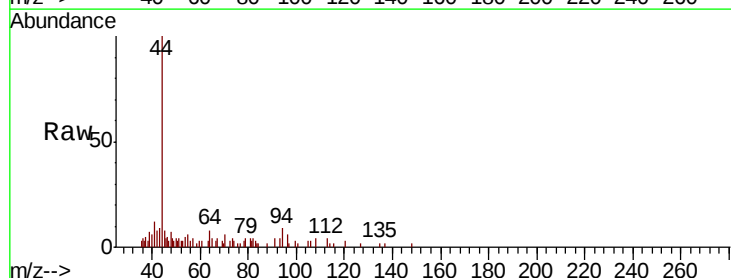
Acq: 11 Sep 2019 16:05

Tgt Ion: 94 Resp: 321

Ion Ratio Lower Upper

94 100

96 68.1 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

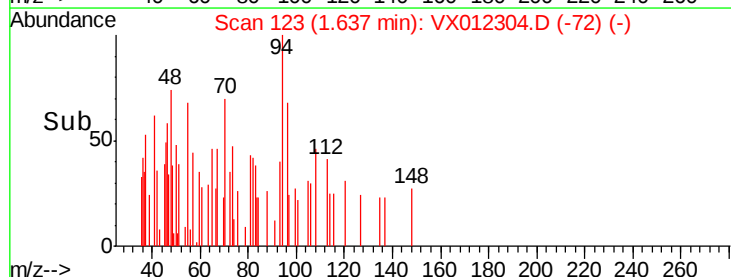
150

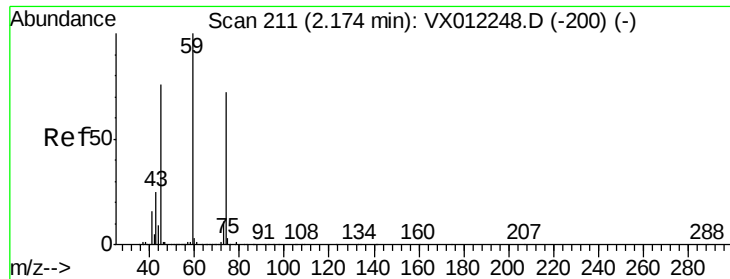
100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68

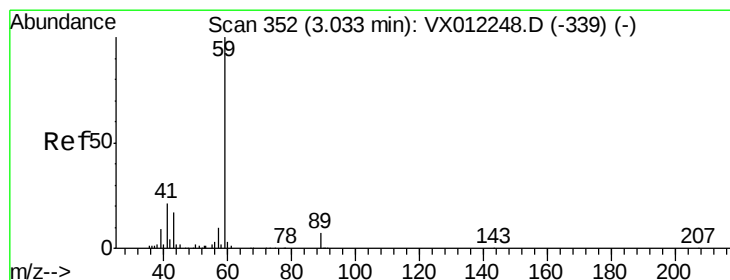
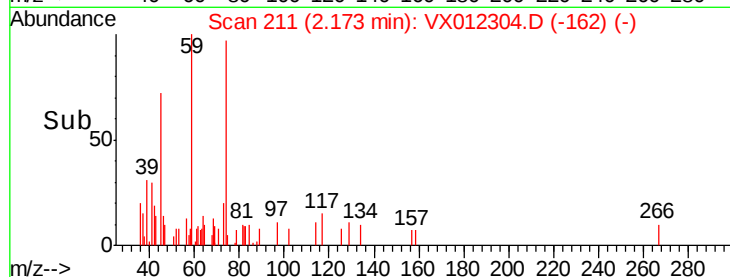
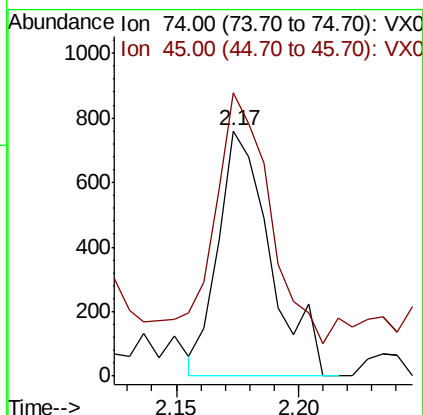
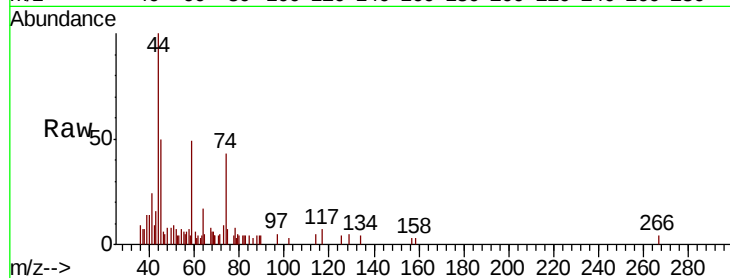




#8
Diethyl Ether
Concen: 1.527 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

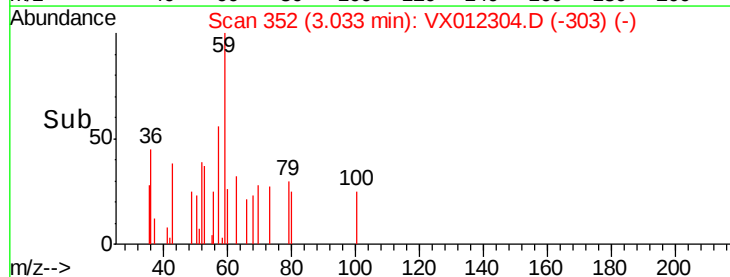
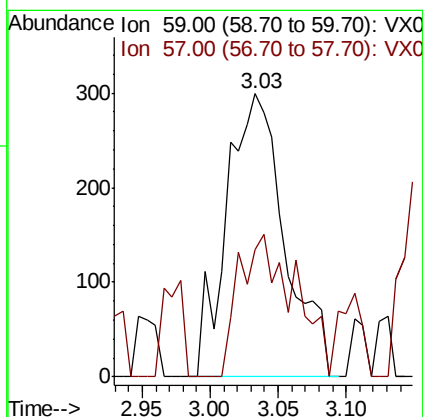
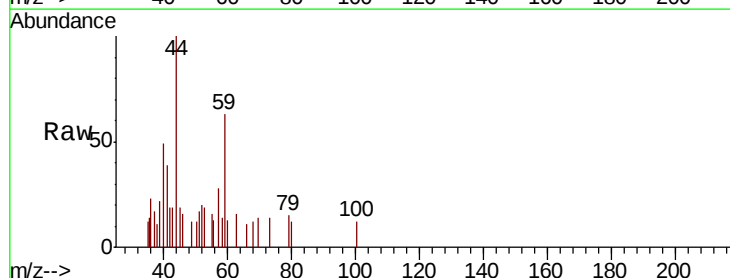
Instrument :
MSVOA_X
ClientSampleId :
T11-C3-(0)

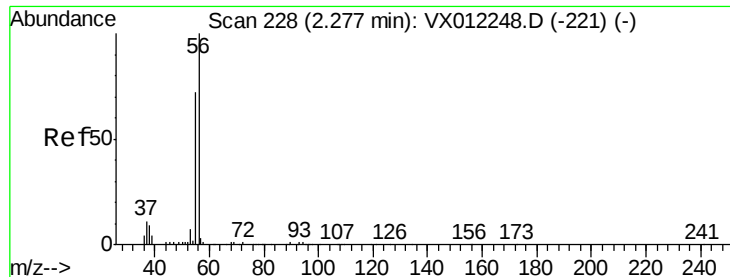
Tgt Ion: 74 Resp: 1120
Ion Ratio Lower Upper
74 100
45 119.3 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

Tgt Ion: 59 Resp: 897
Ion Ratio Lower Upper
59 100
57 47.8 7.8 11.6#





#13

Acrolein

Concen: 1.299 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012304.D

Acq: 11 Sep 2019 16:05

Instrument :

MSVOA_X

ClientSampled :

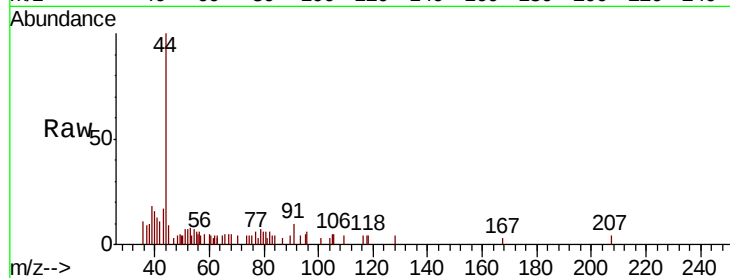
T11-C3-(0)

Tgt Ion: 56 Resp: 156

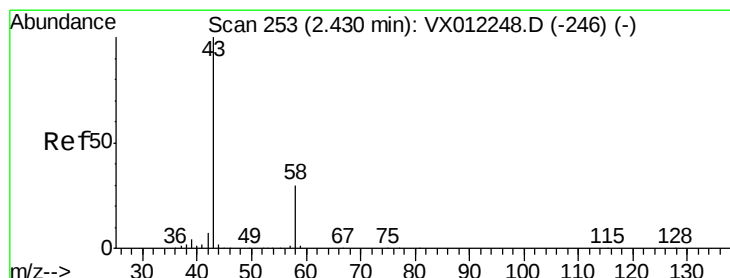
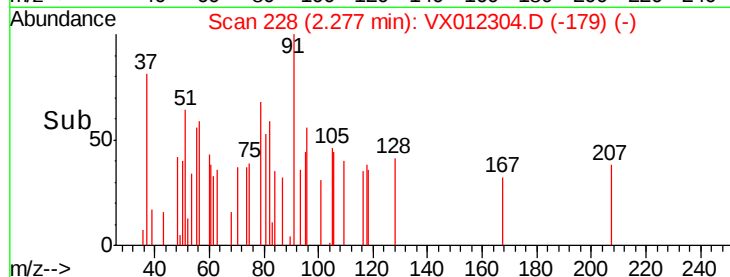
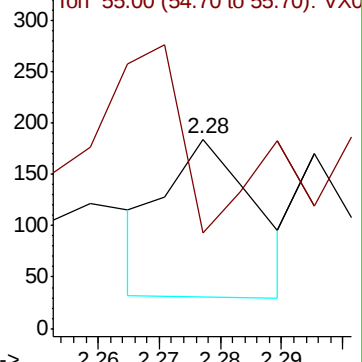
Ion Ratio Lower Upper

56 100

55 100.0 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 34.159 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012304.D

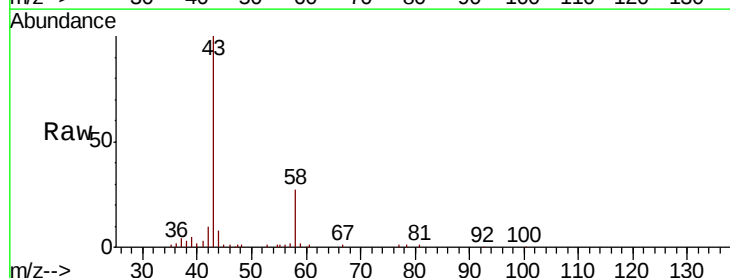
Acq: 11 Sep 2019 16:05

Tgt Ion: 43 Resp: 18582

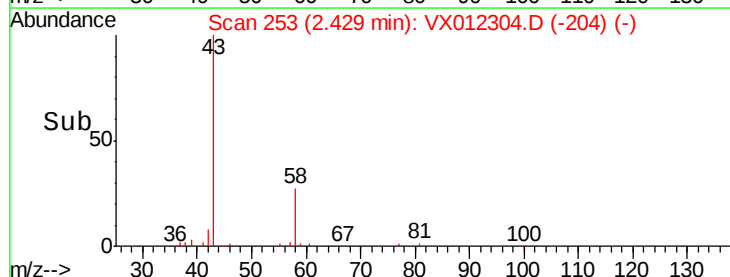
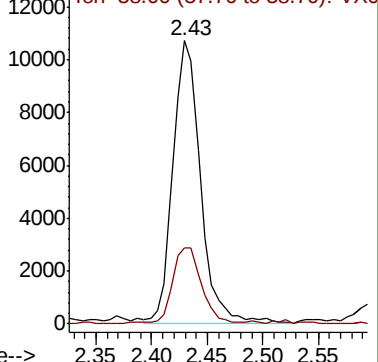
Ion Ratio Lower Upper

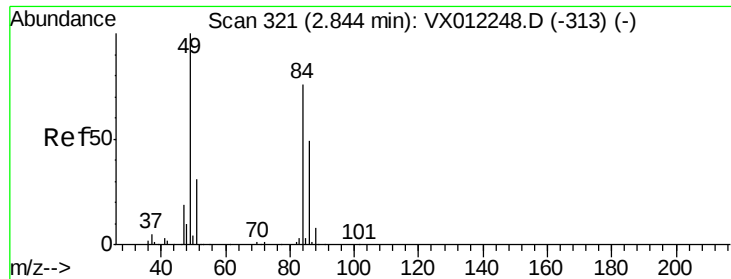
43 100

58 26.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

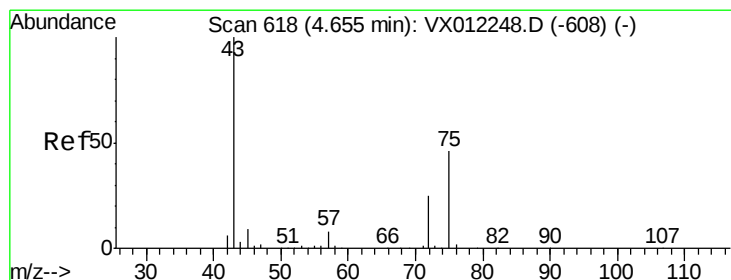
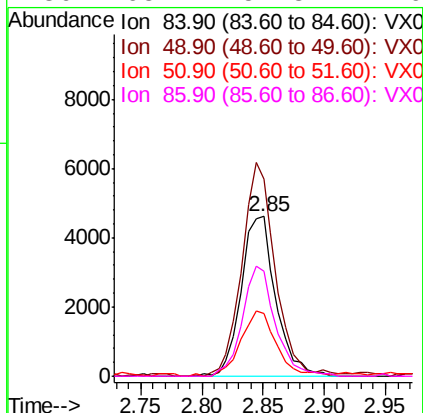
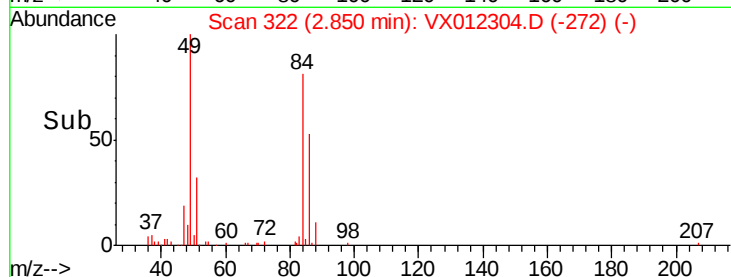
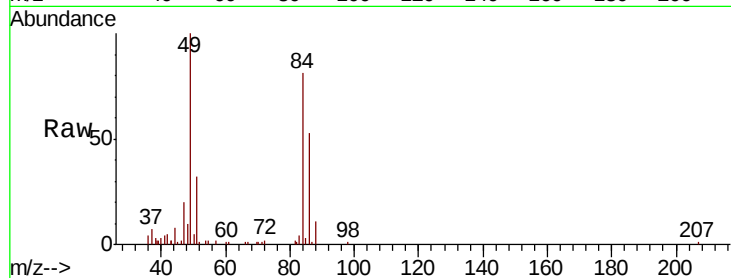




#20
Methylene Chloride
Concen: 2.854 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

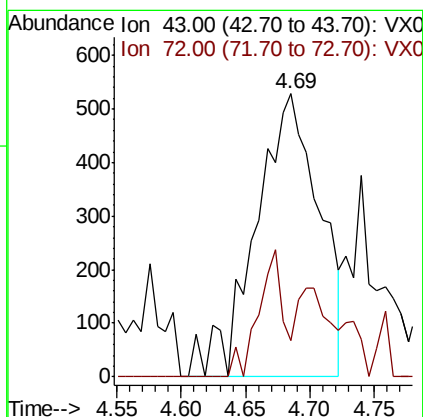
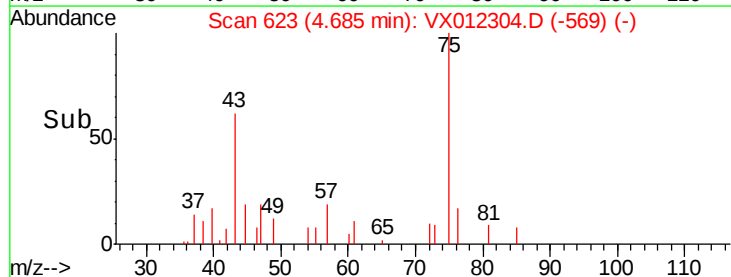
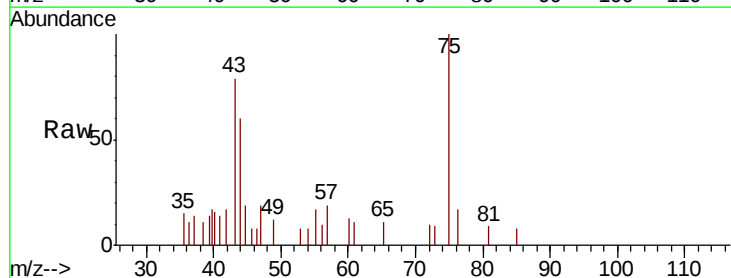
Instrument :
MSVOA_X
ClientSampleId :
T11-C3-(0)

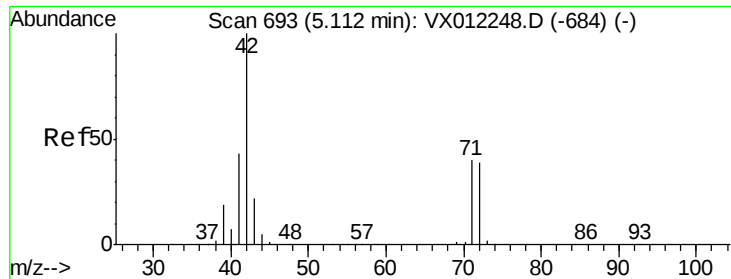
Tgt Ion: 84 Resp: 9060
Ion Ratio Lower Upper
84 100
49 123.5 105.0 157.6
51 38.3 32.6 48.8
86 65.4 51.8 77.6



#25
2-Butanone
Concen: 2.619 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

Tgt Ion: 43 Resp: 1821
Ion Ratio Lower Upper
43 100
72 12.7 20.2 30.2#

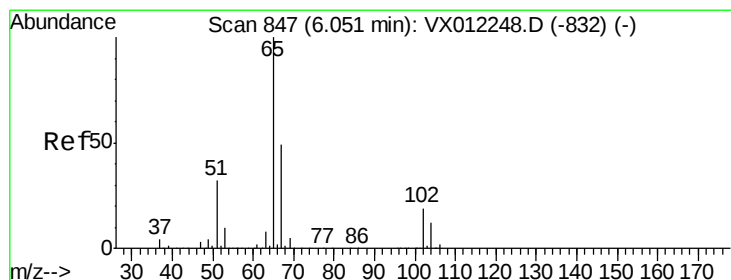
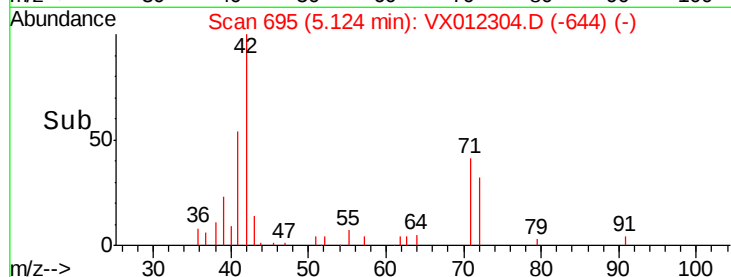
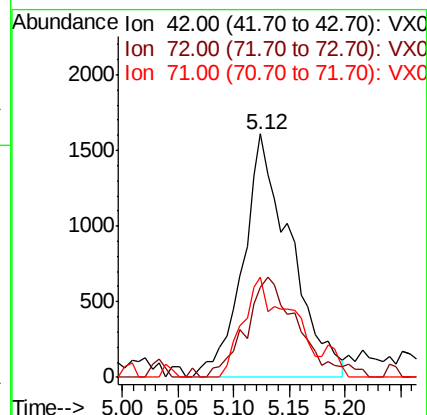
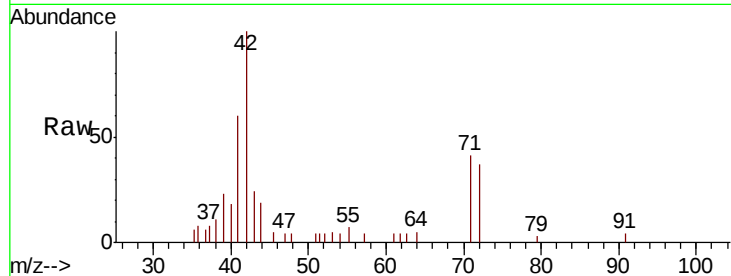




#29
Tetrahydrofuran
Concen: 12.748 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

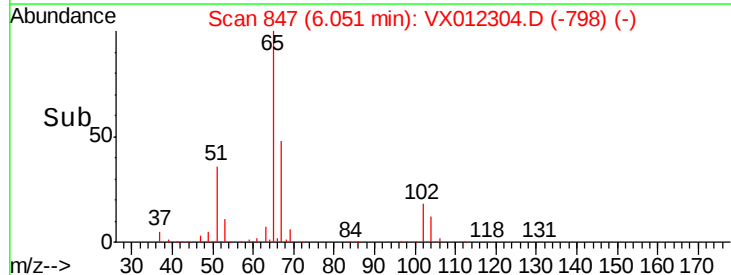
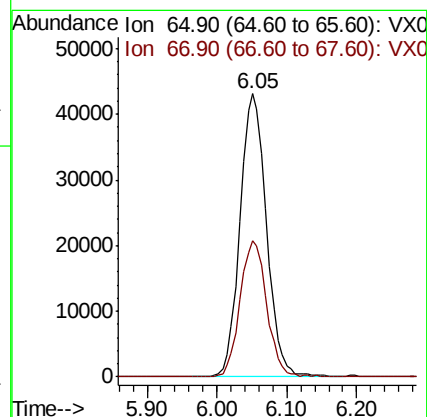
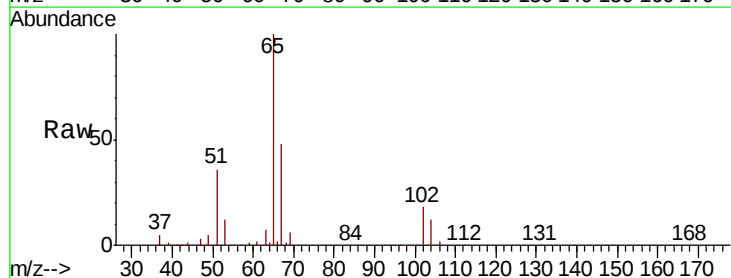
Instrument :
MSVOA_X
ClientSampleId :
T11-C3-(0)

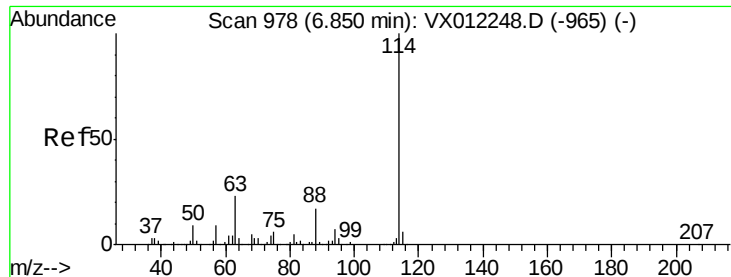
Tgt Ion: 42 Resp: 4783
Ion Ratio Lower Upper
42 100
72 45.3 35.2 52.8
71 41.8 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 49.320 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

Tgt Ion: 65 Resp: 113333
Ion Ratio Lower Upper
65 100
67 48.7 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: VX012304.D

Acq: 11 Sep 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

T11-C3-(0)

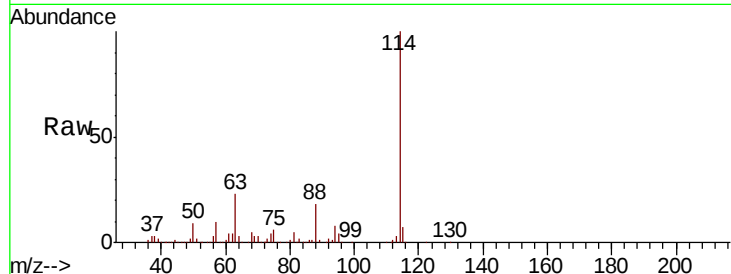
Tgt Ion:114 Resp: 277433

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

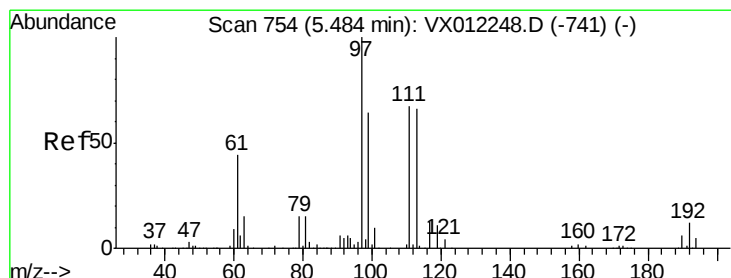
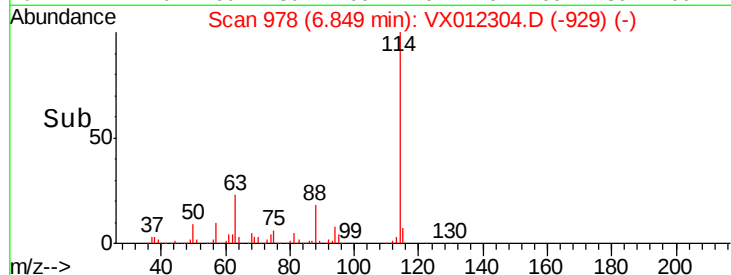
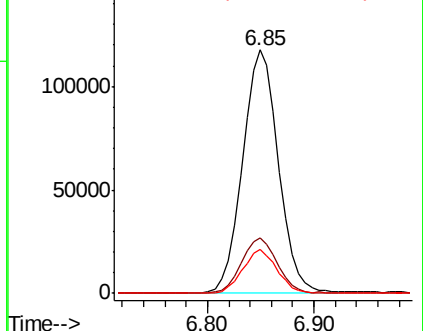
88 17.9 0.0 34.8



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: 47.581 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012304.D

Acq: 11 Sep 2019 16:05

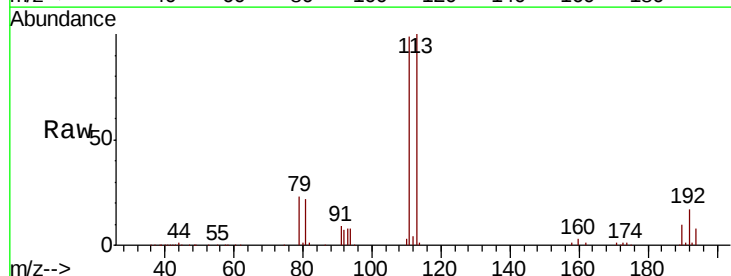
Tgt Ion:113 Resp: 84621

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

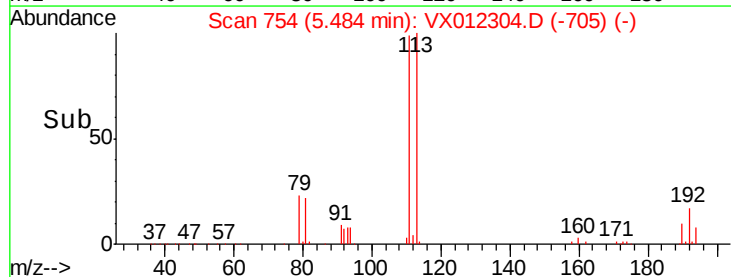
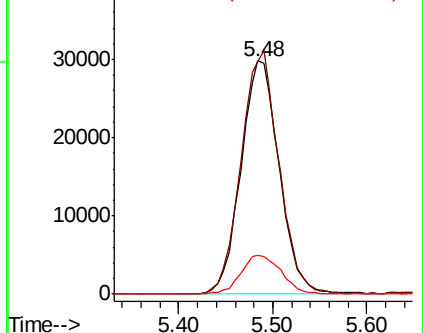
192 17.6 14.3 21.5

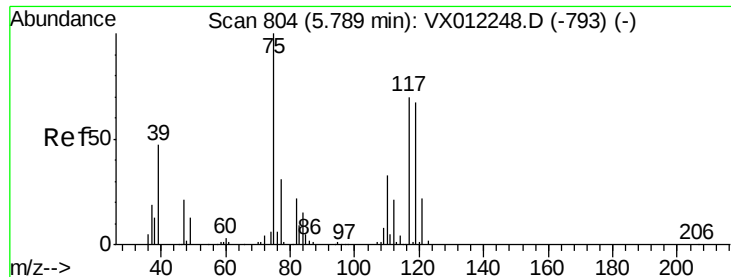


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

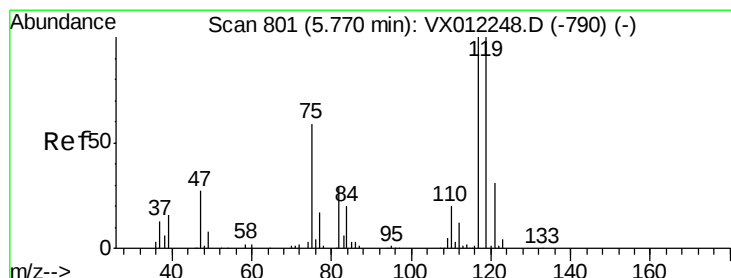
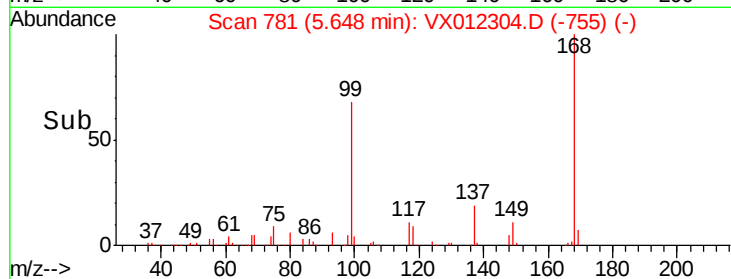
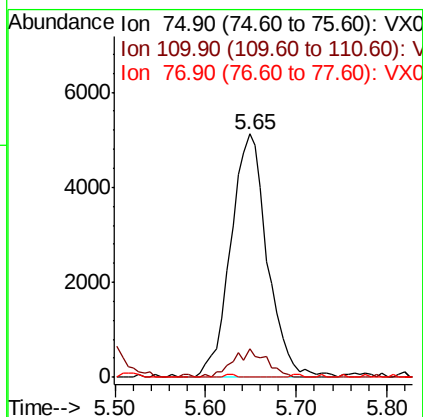
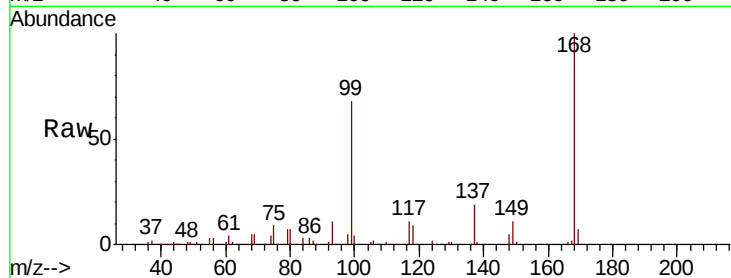




#36
 1,1-Dichloropropene
 Concen: 7.082 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012304.D
 Acq: 11 Sep 2019 16:05

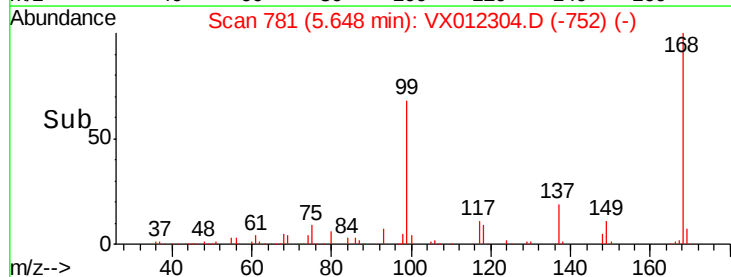
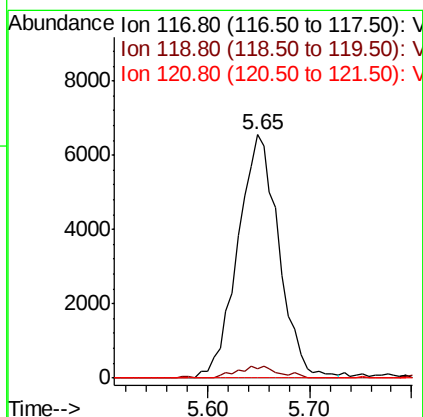
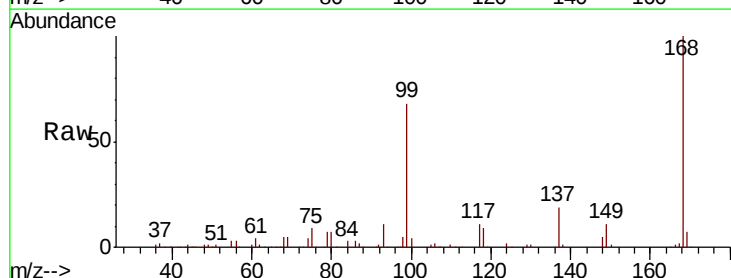
Instrument :
 MSVOA_X
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 T11-C3-(0)

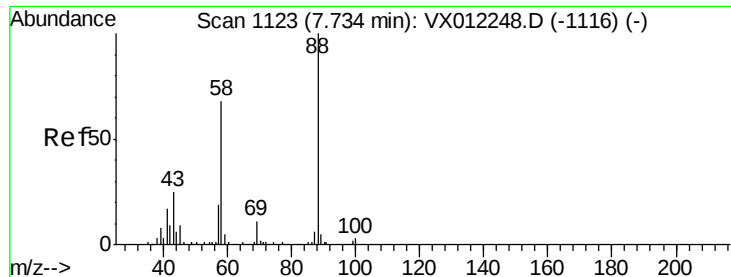
Tgt Ion: 75 Resp: 14326
 Ion Ratio Lower Upper
 75 100
 110 10.7 16.8 50.4#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.678 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012304.D
 Acq: 11 Sep 2019 16:05

Tgt Ion: 117 Resp: 18224
 Ion Ratio Lower Upper
 117 100
 119 3.6 79.6 119.4#
 121 0.0 24.7 37.1#

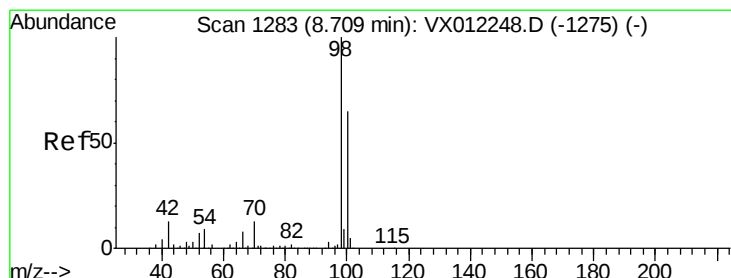
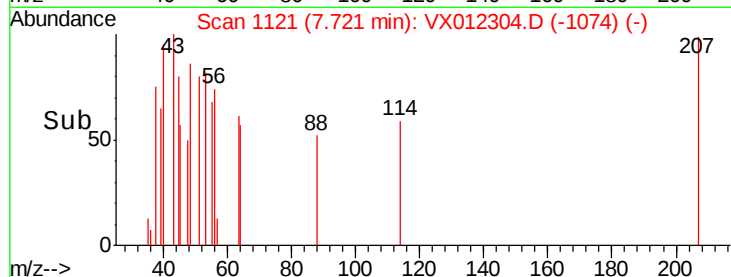
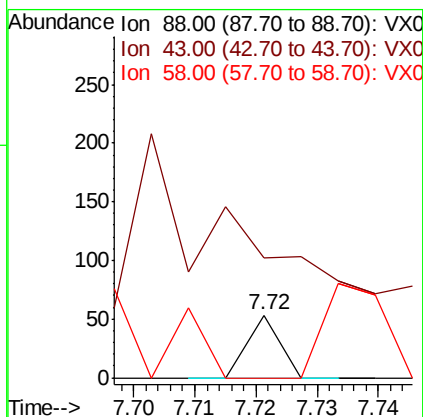
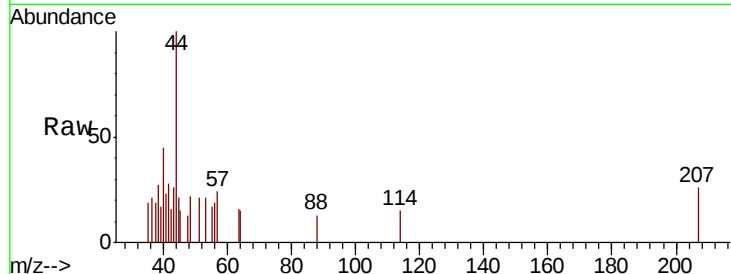




#49
 1,4-Dioxane
 Concen: 1.116 ug/l
 RT: 7.72 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: VX012304.D
 Acq: 11 Sep 2019 16:05

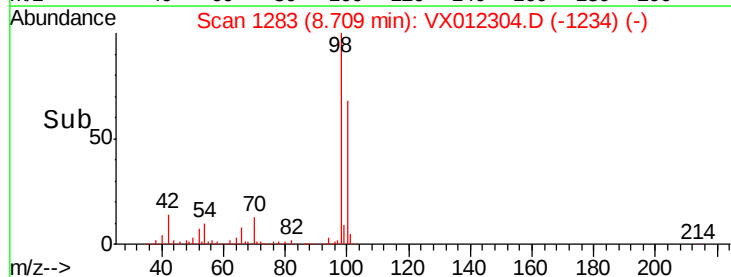
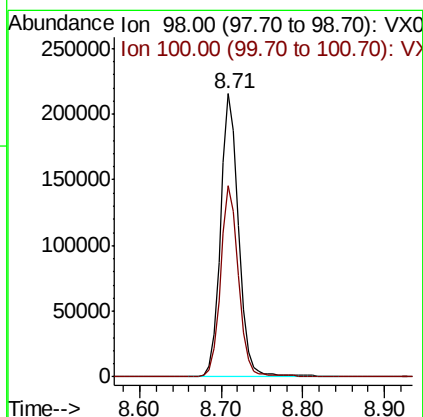
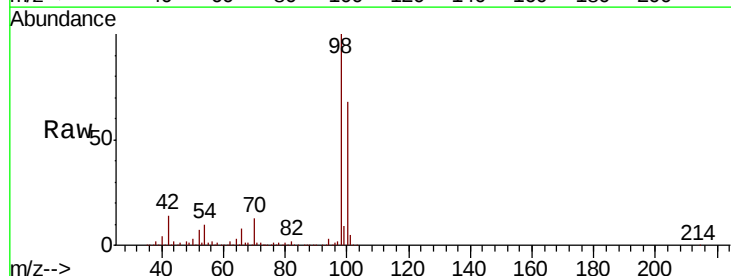
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C3-(0)

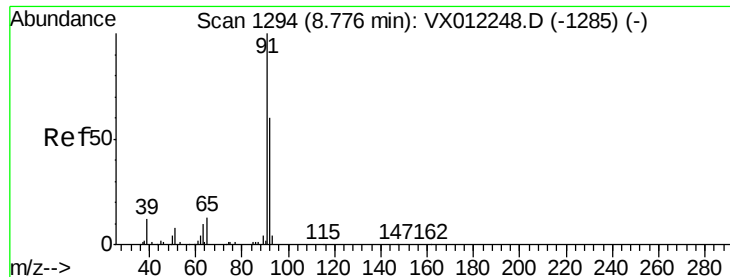
Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.0 46.4#
 58 289.5 61.5 92.3#



#50
 Toluene-d8
 Concen: 53.279 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012304.D
 Acq: 11 Sep 2019 16:05

Tgt Ion: 98 Resp: 332342
 Ion Ratio Lower Upper
 98 100
 100 67.3 54.1 81.1





#52

Toluene

Concen: 1.606 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX012304.D

Acq: 11 Sep 2019 16:05

Instrument :

MSVOA_X

ClientSampleId :

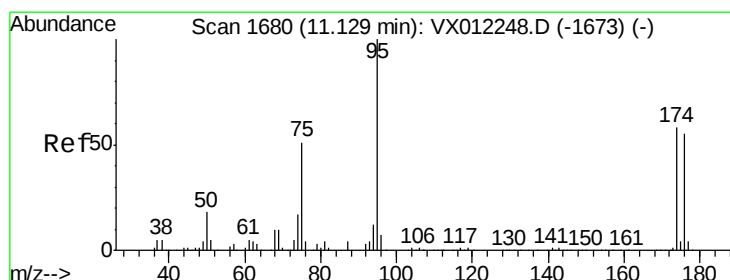
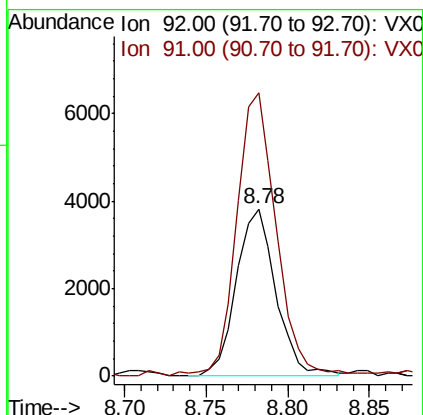
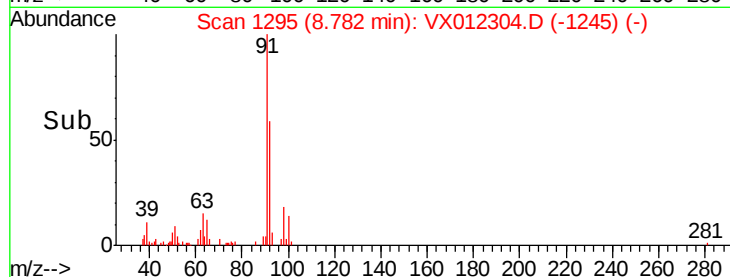
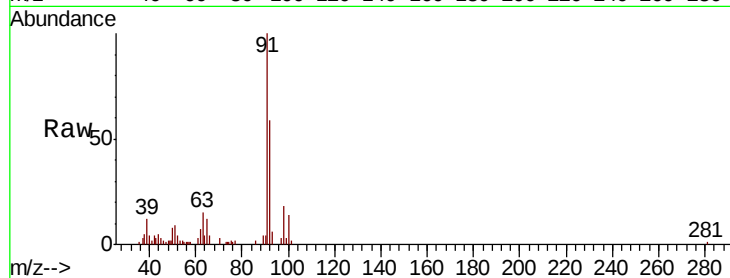
T11-C3-(0)

Tgt Ion: 92 Resp: 6493

Ion Ratio Lower Upper

92 100

91 169.1 133.6 200.4



#62

4-Bromofluorobenzene

Concen: 45.202 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012304.D

Acq: 11 Sep 2019 16:05

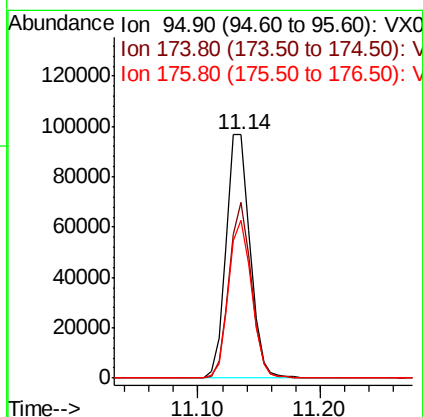
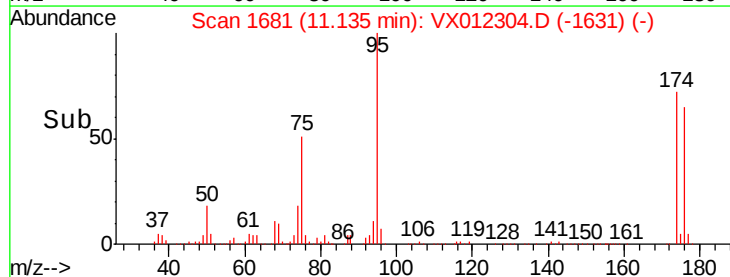
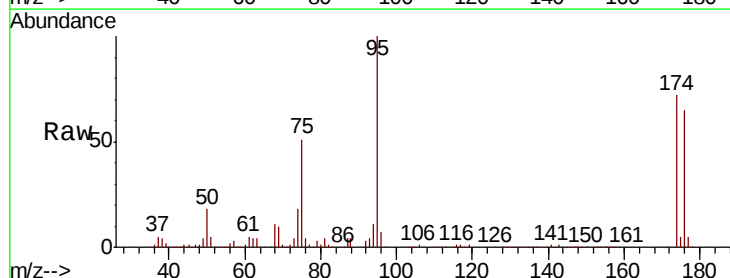
Tgt Ion: 95 Resp: 130716

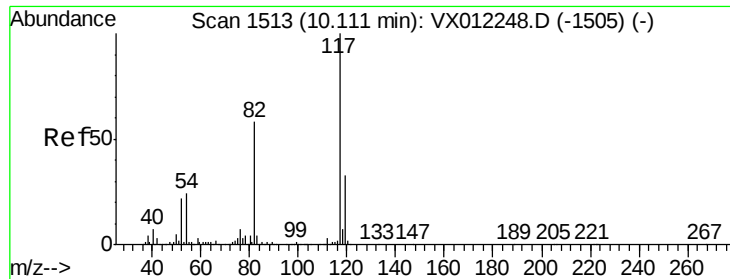
Ion Ratio Lower Upper

95 100

174 67.2 0.0 127.0

176 62.9 0.0 125.8

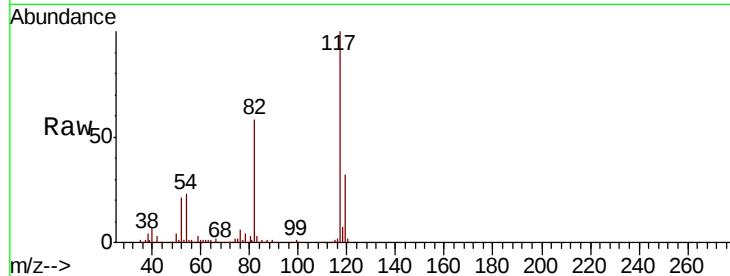




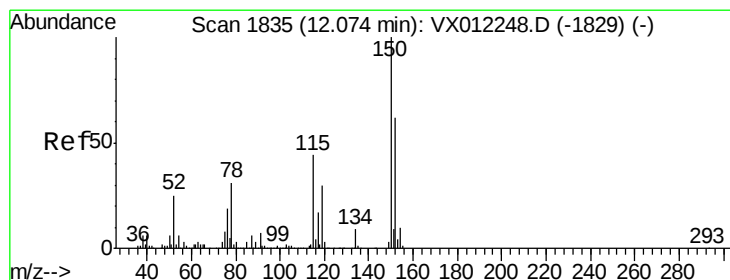
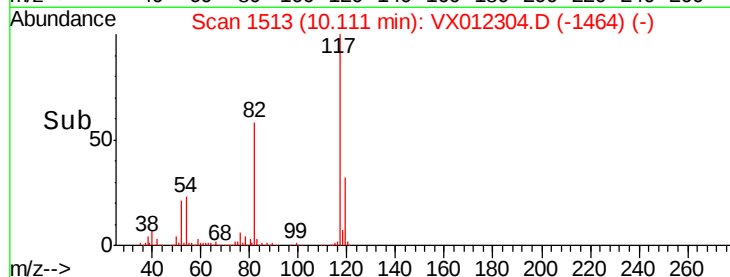
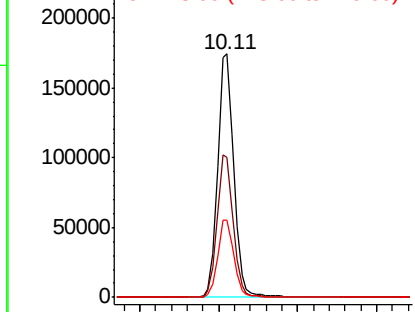
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

Instrument :
MSVOA_X
ClientSampleId :
T11-C3-(0)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.4	69.6
119	31.9	26.6	39.8

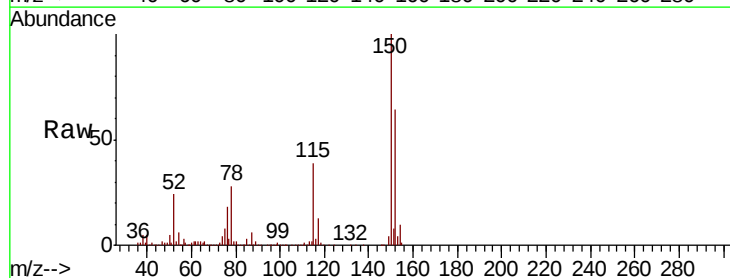


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

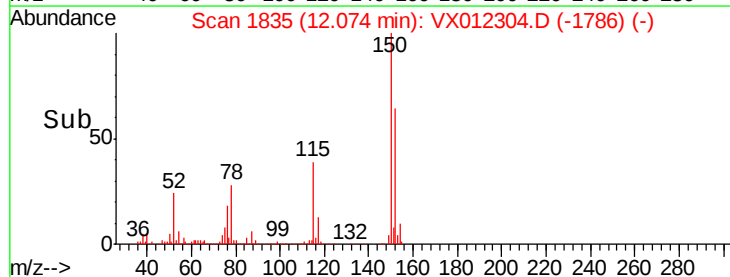
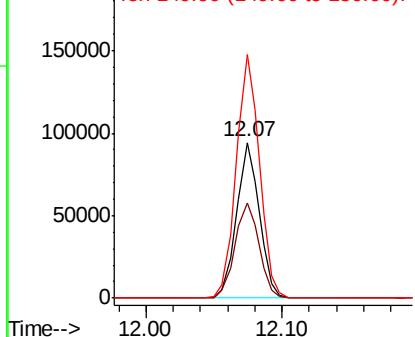


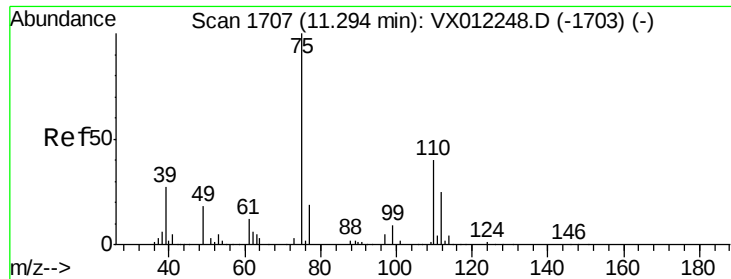
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012304.D
Acq: 11 Sep 2019 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	45.5	136.4
150	159.8	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

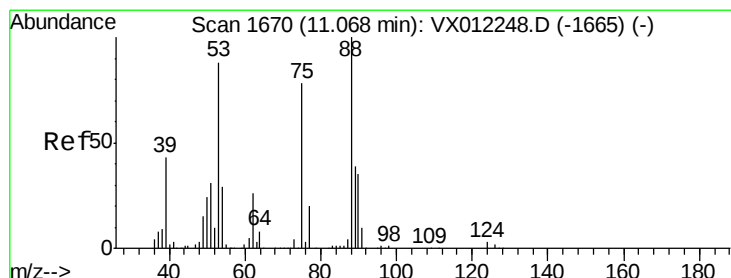
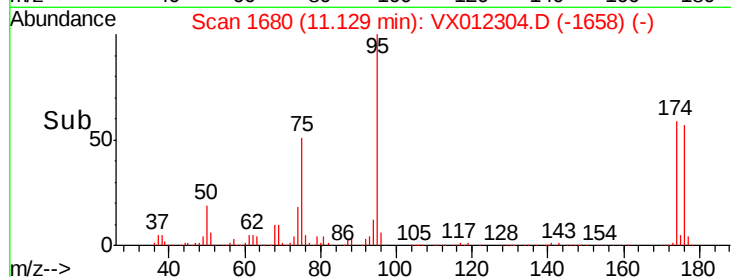
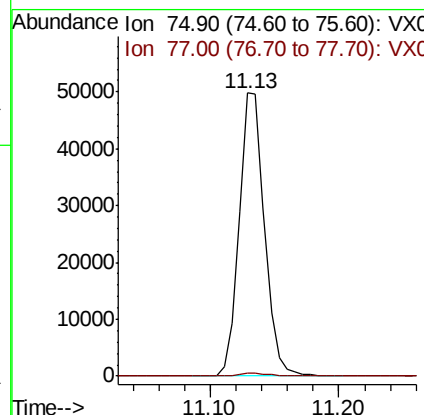
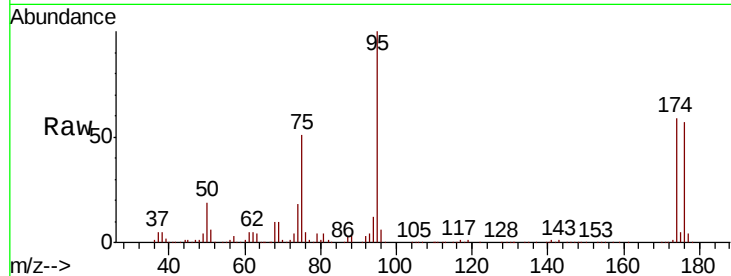




#76
 1,2,3-Trichloropropane
 Concen: 48.482 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012304.D
 Acq: 11 Sep 2019 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C3-(0)

Tgt Ion: 75 Resp: 68220
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.262 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012304.D
 Acq: 11 Sep 2019 16:05

Tgt Ion: 75 Resp: 68220
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.1 132.1#
 89 0.1 43.5 65.3#

