

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012348.D
 Acq On : 12 Sep 2019 15:29
 Operator : SY/SP
 Sample : K4694-07RE
 Misc : 6.36g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-(1.5)

Quant Time: Sep 13 01:58:39 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	166464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	80791	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	111672	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.48	113	83636	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
50) Toluene-d8	8.71	98	328915	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.14	95	108425	36.80	ug/l	0.00
Spiked Amount			Recovery	=	73.60%	

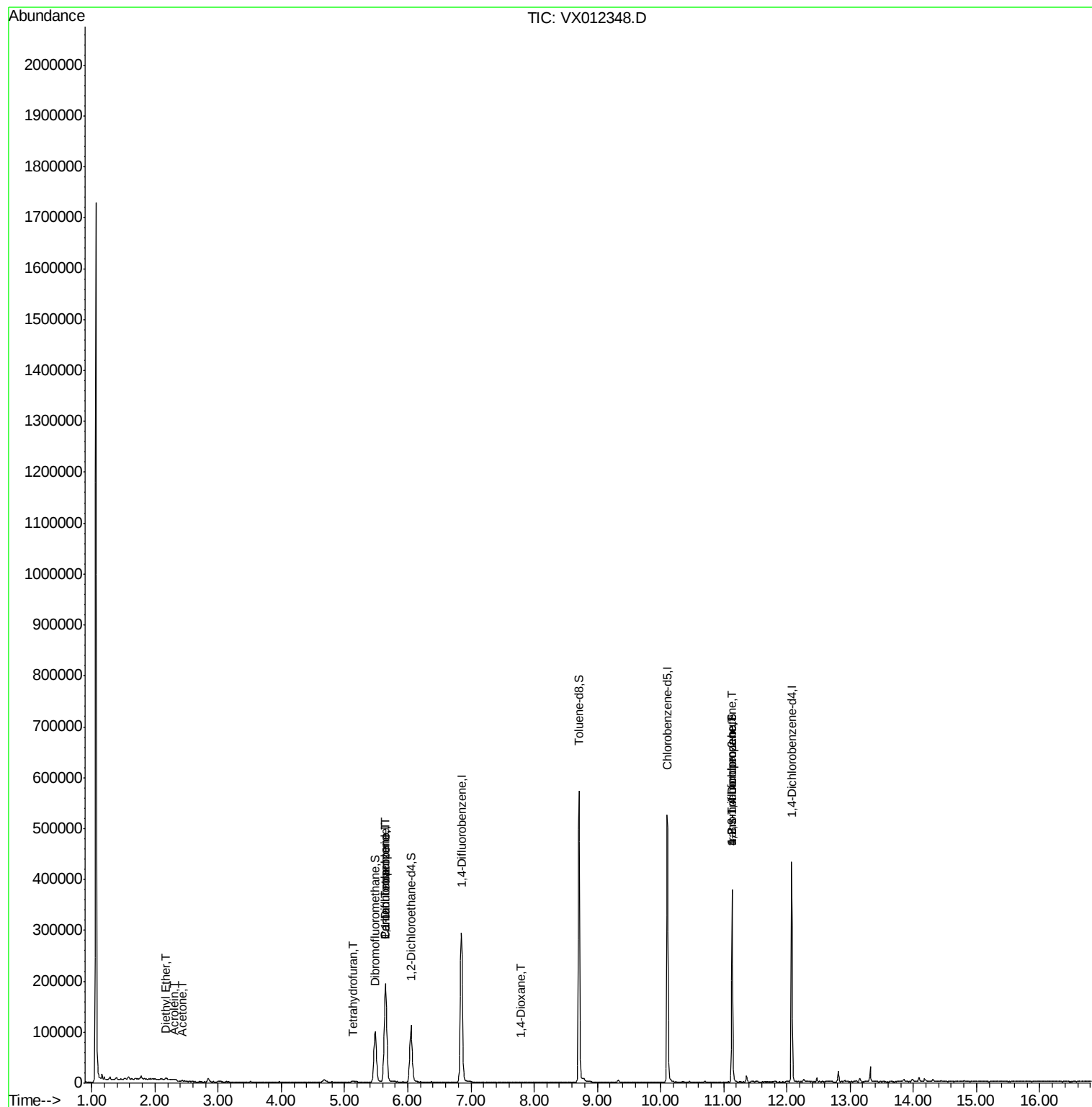
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	456	Below Cal	#	43
8) Diethyl Ether	2.17	74	856	1.140	ug/l	72
11) Tert butyl alcohol	3.03	59	2156	Below Cal	#	83
13) Acrolein	2.30	56	190	1.544	ug/l #	55
16) Acetone	2.43	43	2394	4.297	ug/l	94
20) Methylene Chloride	2.84	84	3213	Below Cal		92
29) Tetrahydrofuran	5.13	42	2156	5.611	ug/l #	84
36) 1,1-Dichloropropene	5.65	75	14767	7.165	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19170	7.927	ug/l #	14
49) 1,4-Dioxane	7.80	88	27	1.556	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	56545	54.481	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	56545	163.238	ug/l #	5

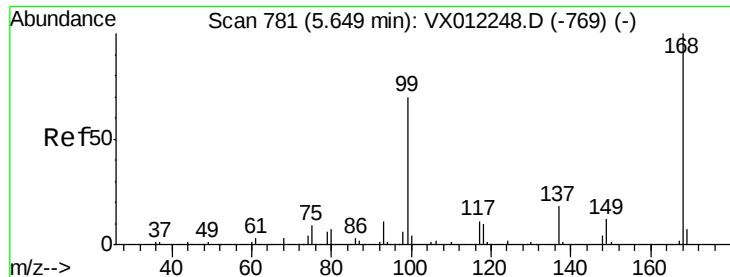
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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Quant Title : SW846 8260
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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: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

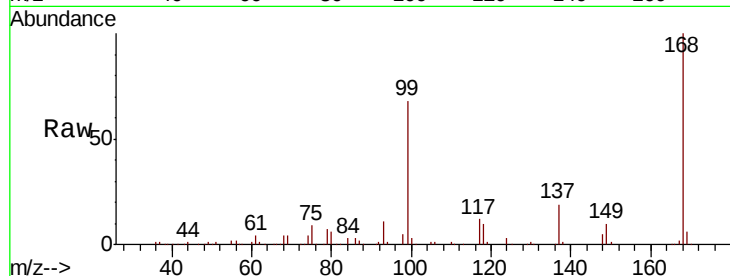
T1-3-(1.5)

Tgt Ion:168 Resp: 166464

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

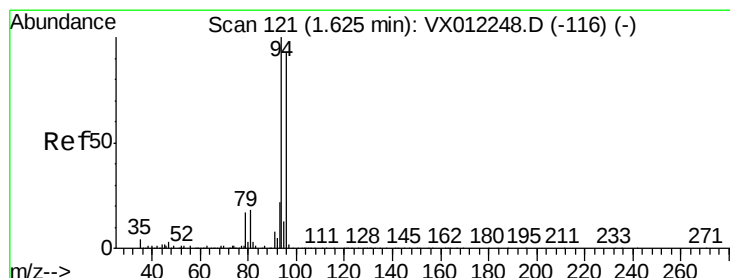
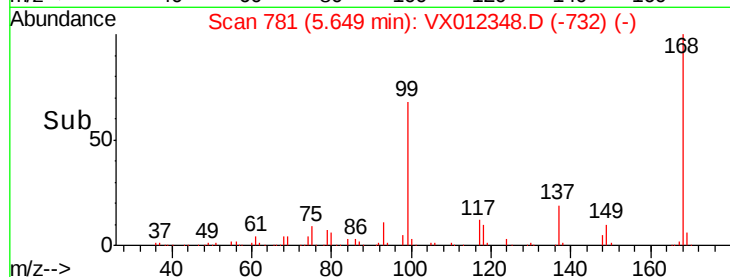
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX012348.D

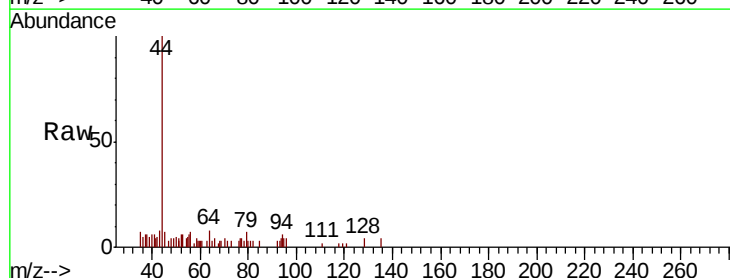
Acq: 12 Sep 2019 15:29

Tgt Ion: 94 Resp: 456

Ion Ratio Lower Upper

94 100

96 38.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

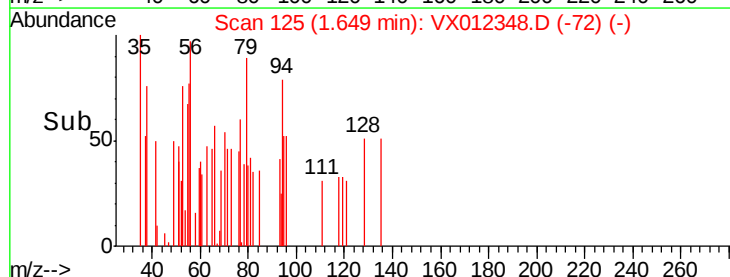
150

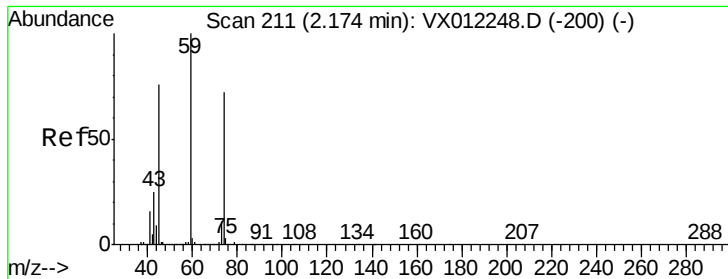
100

50

0

Time--> 1.60 1.65 1.70





#8

Diethyl Ether

Concen: 1.140 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

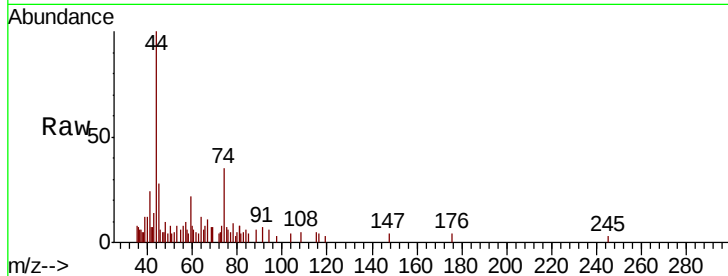
T1-3-(1.5)

Tgt Ion: 74 Resp: 856

Ion Ratio Lower Upper

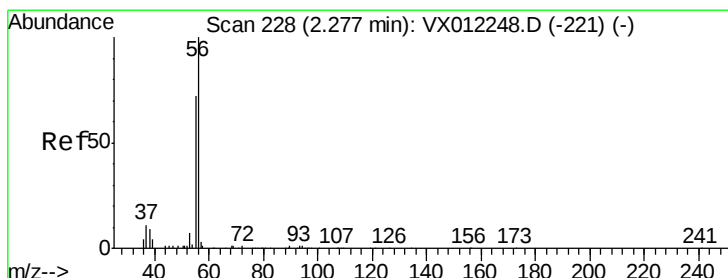
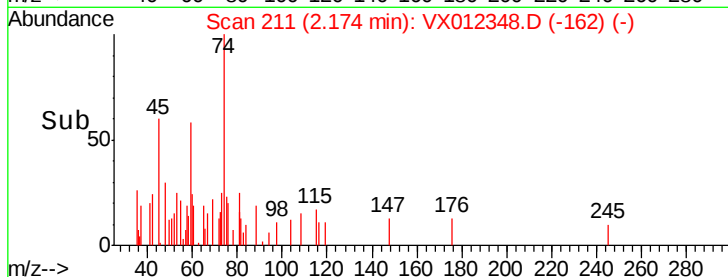
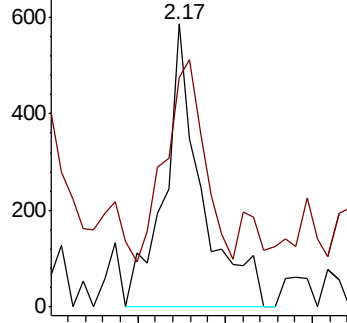
74 100

45 74.3 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#13

Acrolein

Concen: 1.544 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.02 min

Lab File: VX012348.D

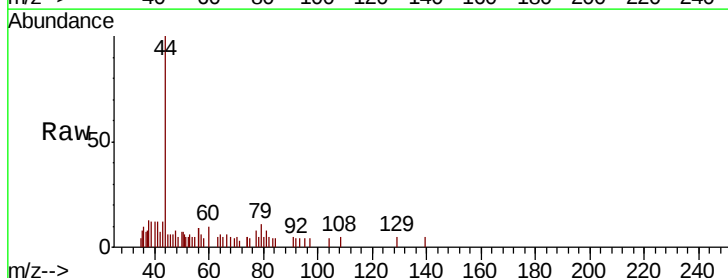
Acq: 12 Sep 2019 15:29

Tgt Ion: 56 Resp: 190

Ion Ratio Lower Upper

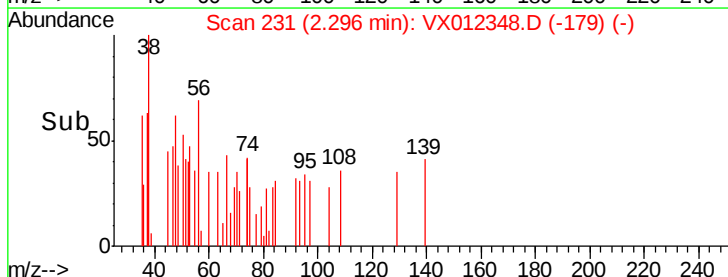
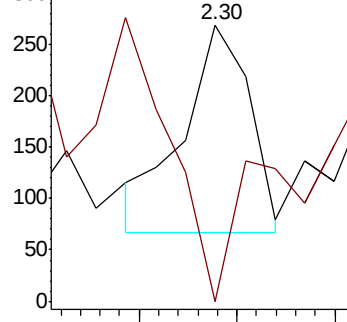
56 100

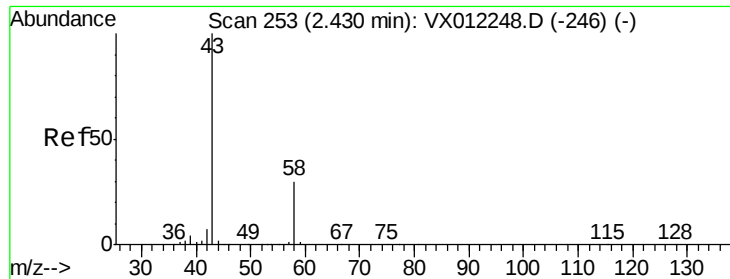
55 113.2 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 4.297 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampled :

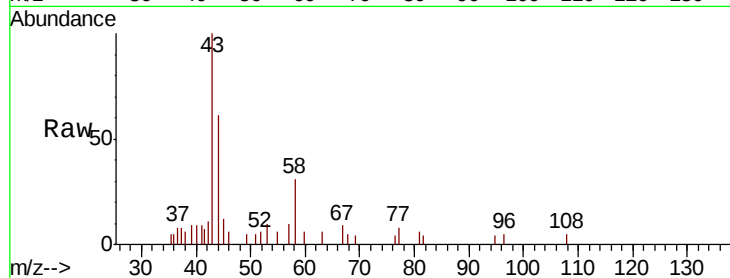
T1-3-(1.5)

Tgt Ion: 43 Resp: 2394

Ion Ratio Lower Upper

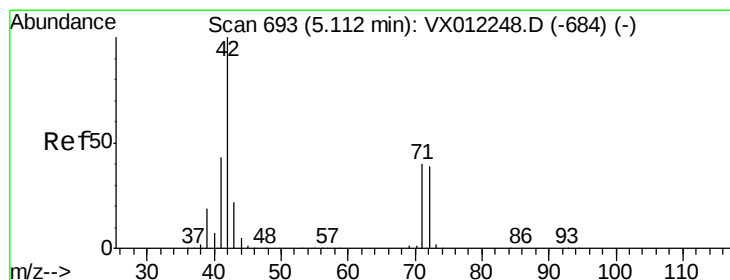
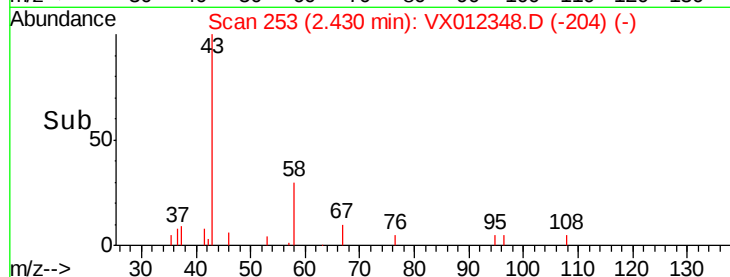
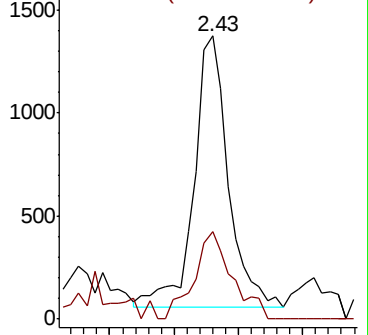
43 100

58 32.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 5.611 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

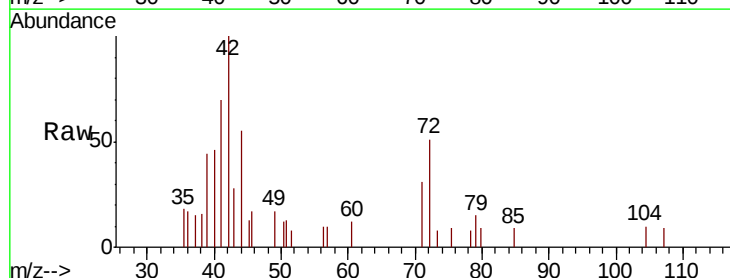
Tgt Ion: 42 Resp: 2156

Ion Ratio Lower Upper

42 100

72 38.8 35.2 52.8

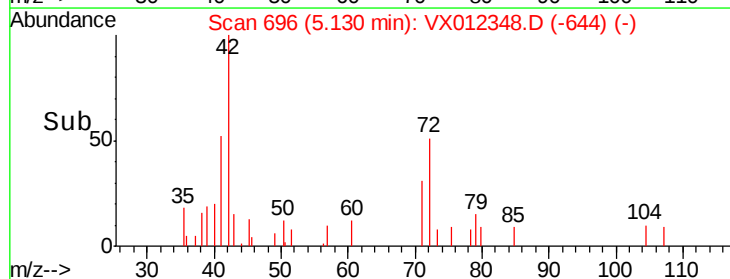
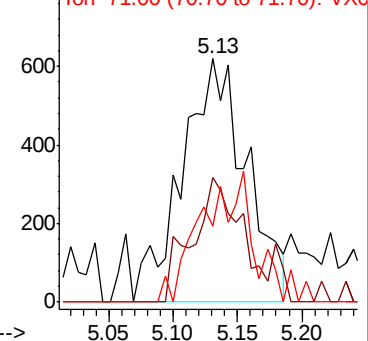
71 25.0 32.5 48.7#

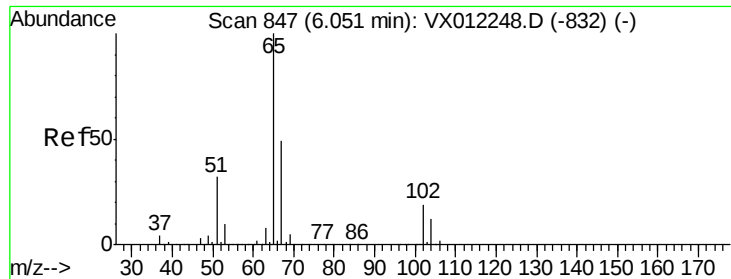


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

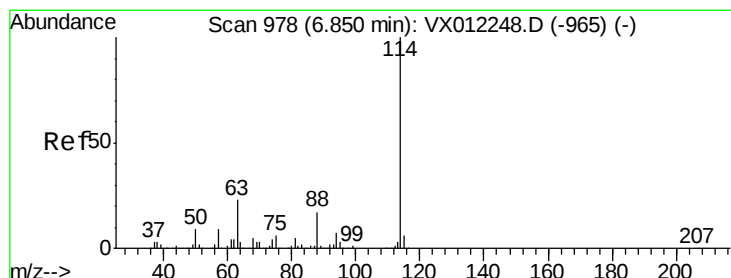
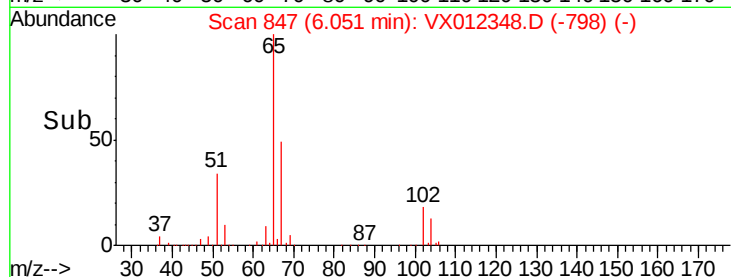
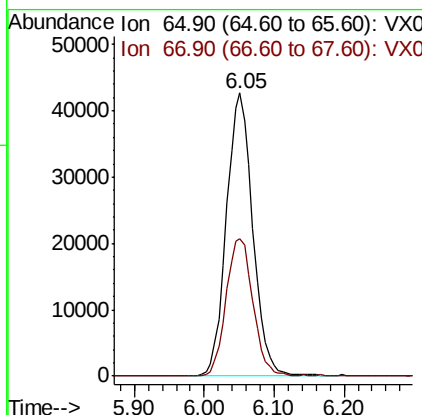
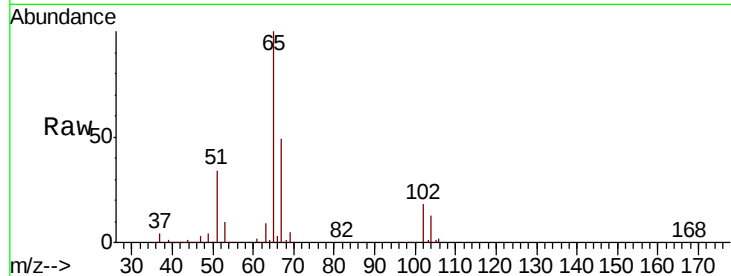




#33
 1,2-Dichloroethane-d4
 Concen: 47.450 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012348.D
 Acq: 12 Sep 2019 15:29

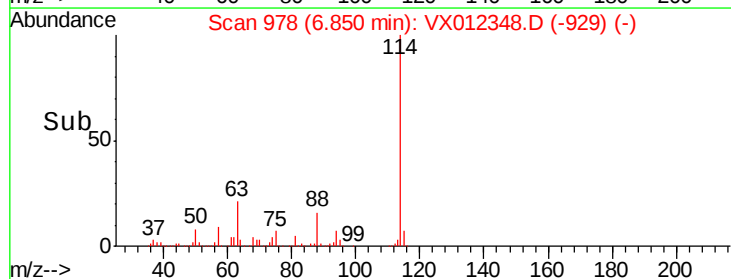
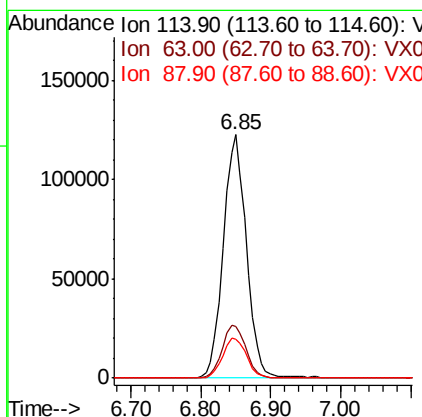
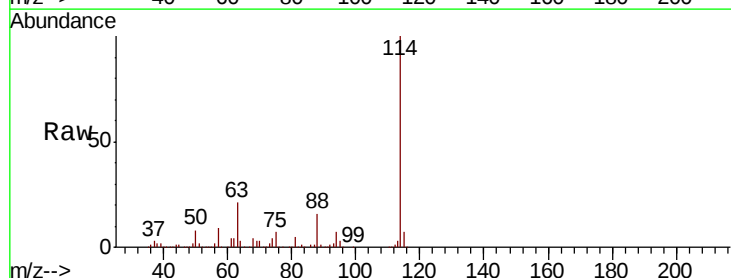
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-(1.5)

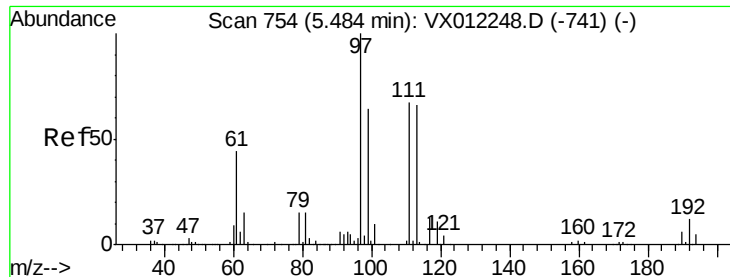
Tgt Ion: 65 Resp: 111672
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012348.D
 Acq: 12 Sep 2019 15:29

Tgt Ion: 114 Resp: 282662
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.2
 88 16.0 0.0 34.8

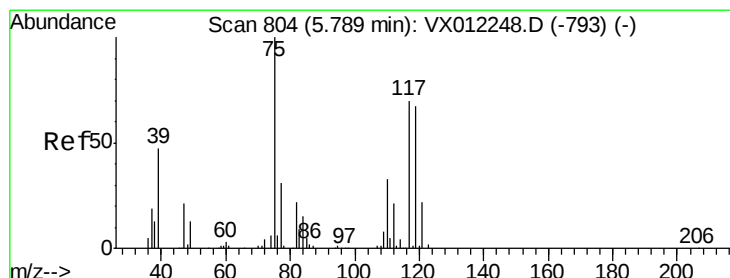
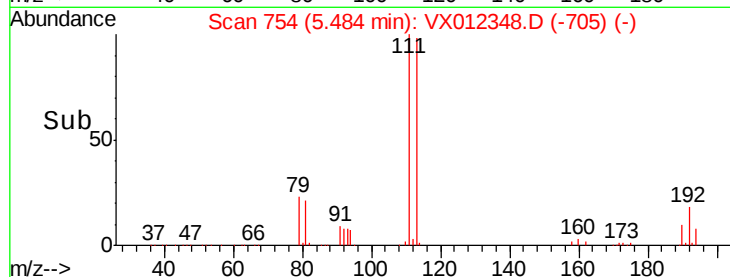
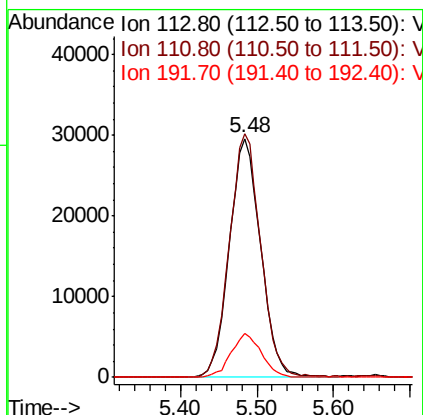
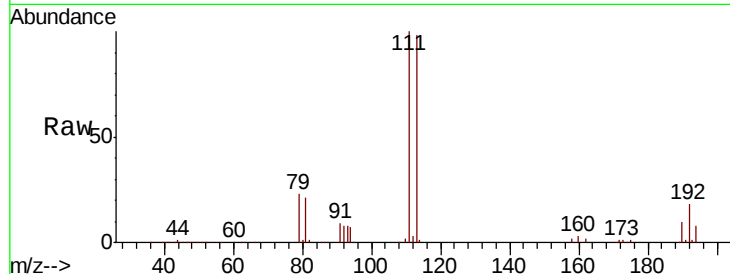




#35
 Dibromofluoromethane
 Concen: 46.157 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012348.D
 Acq: 12 Sep 2019 15:29

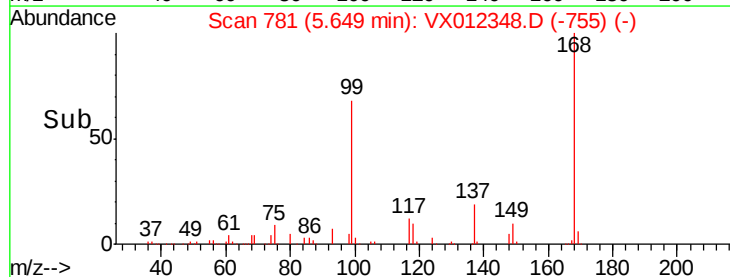
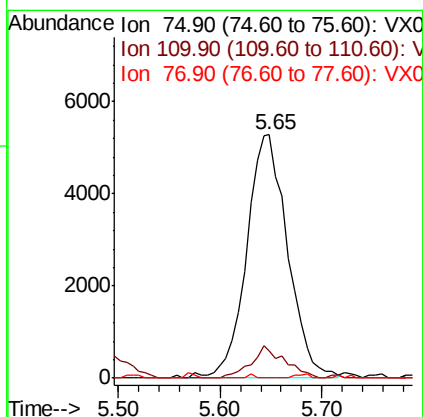
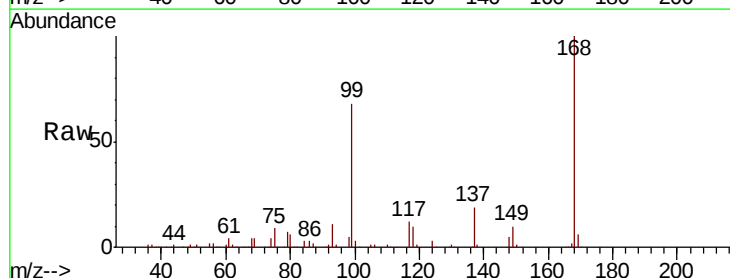
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-(1.5)

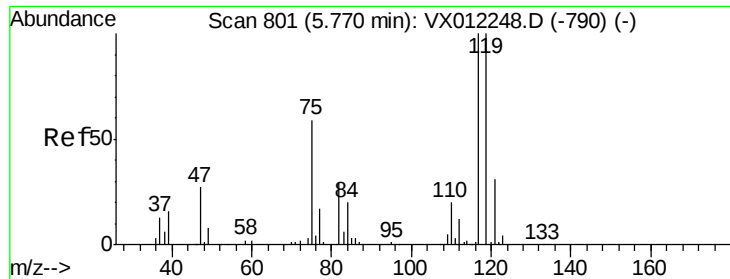
Tgt Ion:113 Resp: 83636
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.6
 192 17.9 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 7.165 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012348.D
 Acq: 12 Sep 2019 15:29

Tgt Ion: 75 Resp: 14767
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.8 50.4#
 77 0.2 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.927 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(1.5)

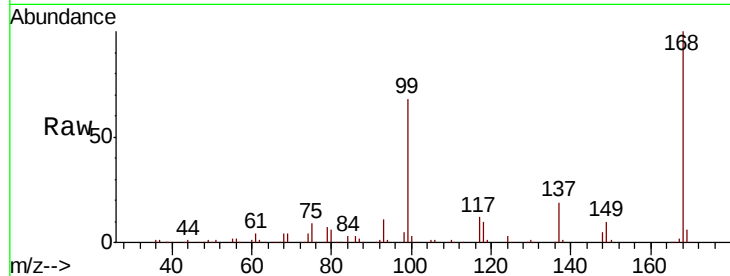
Tgt Ion:117 Resp: 19170

Ion Ratio Lower Upper

117 100

119 4.6 79.6 119.4#

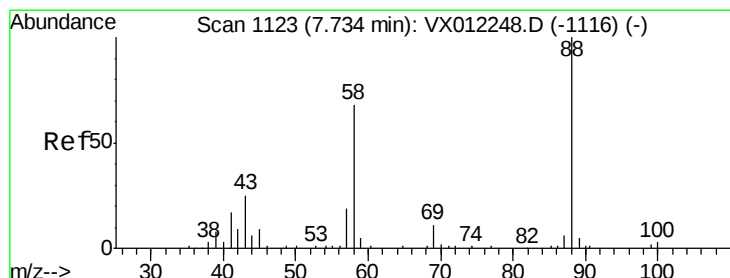
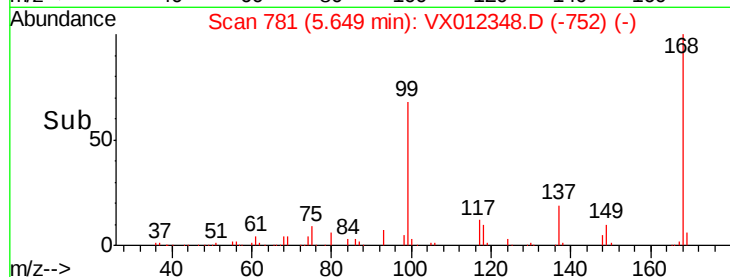
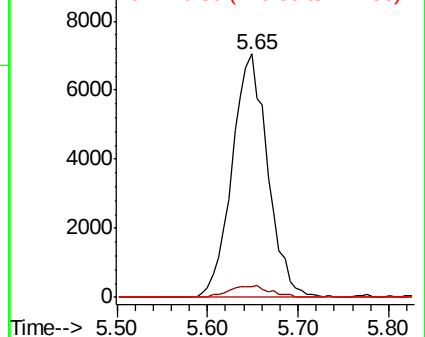
121 0.0 24.7 37.1#



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: 1.556 ug/l

RT: 7.80 min Scan# 1134

Delta R.T. 0.07 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

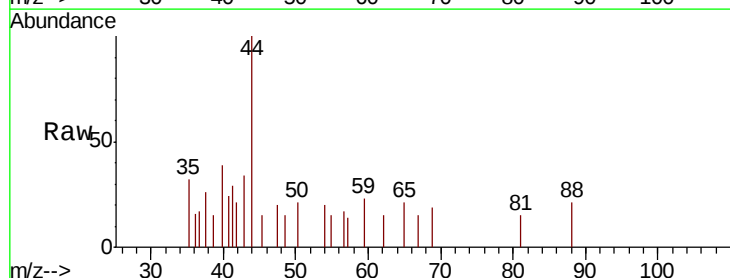
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 981.5 31.0 46.4#

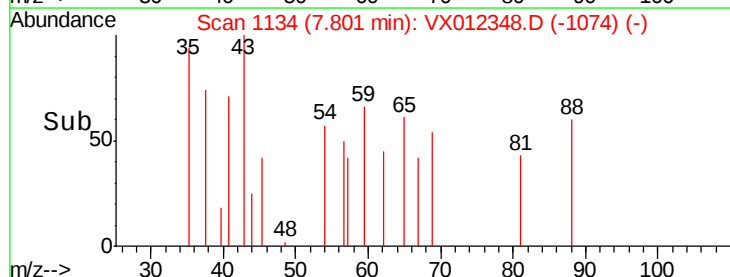
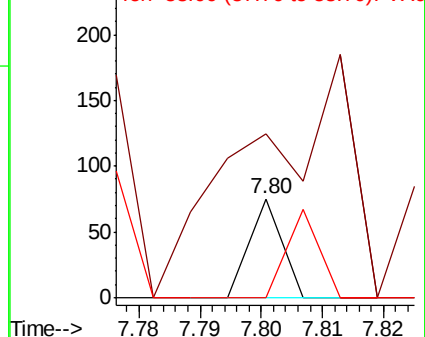
58 92.6 61.5 92.3#

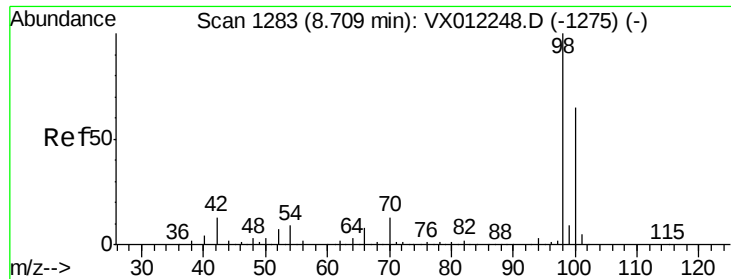


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

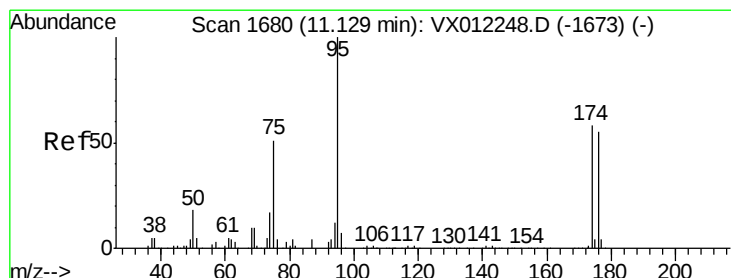
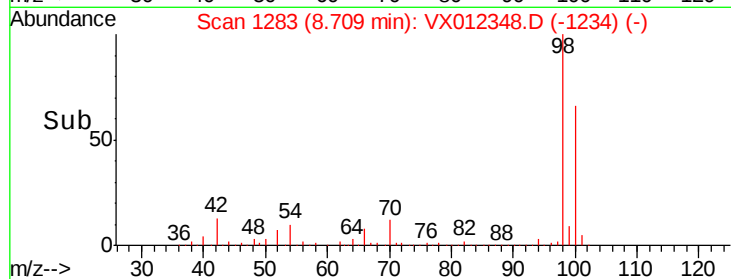
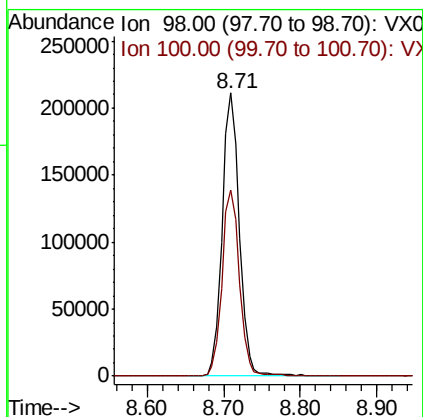
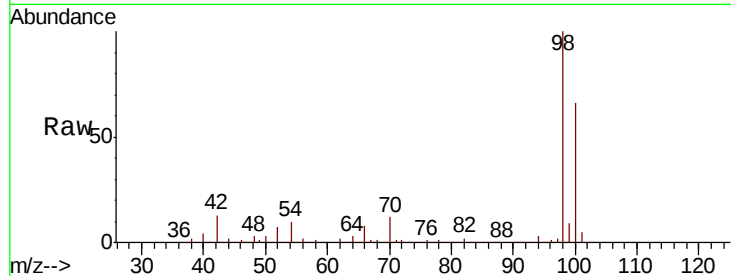




#50
Toluene-d8
Concen: 51.755 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012348.D
Acq: 12 Sep 2019 15:29

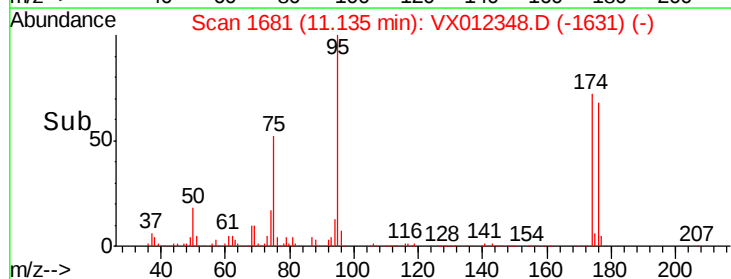
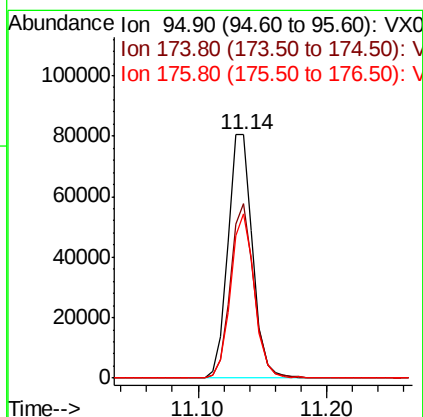
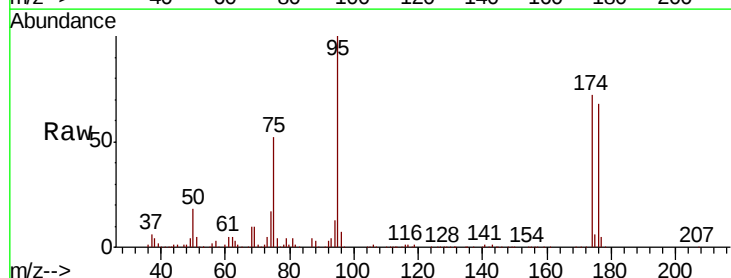
Instrument :
MSVOA_X
ClientSampleId :
T1-3-(1.5)

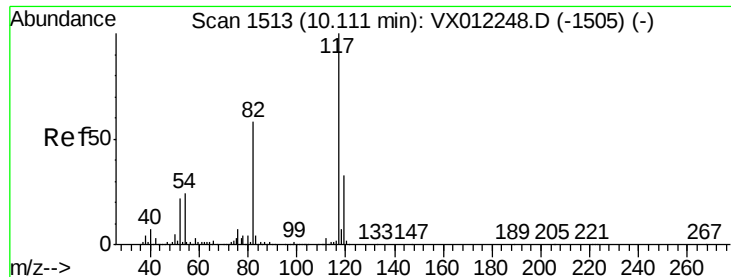
Tgt Ion: 98 Resp: 328915
Ion Ratio Lower Upper
98 100
100 66.9 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 36.800 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012348.D
Acq: 12 Sep 2019 15:29

Tgt Ion: 95 Resp: 108425
Ion Ratio Lower Upper
95 100
174 68.6 0.0 127.0
176 65.0 0.0 125.8

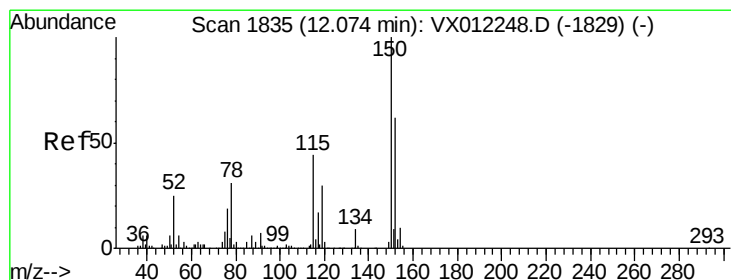
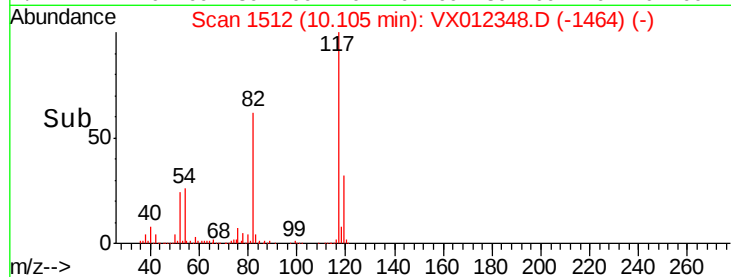
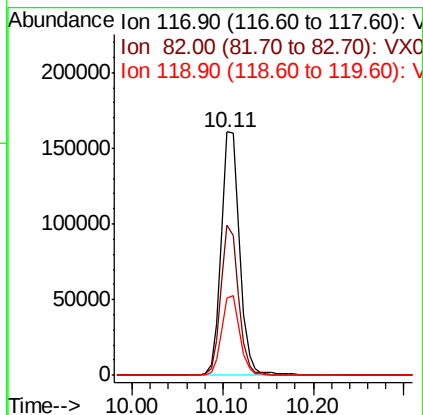
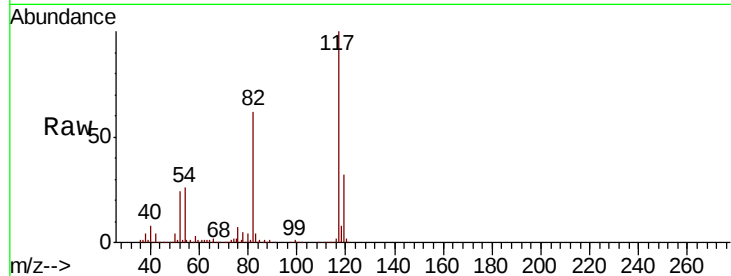




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012348.D
Acq: 12 Sep 2019 15:29

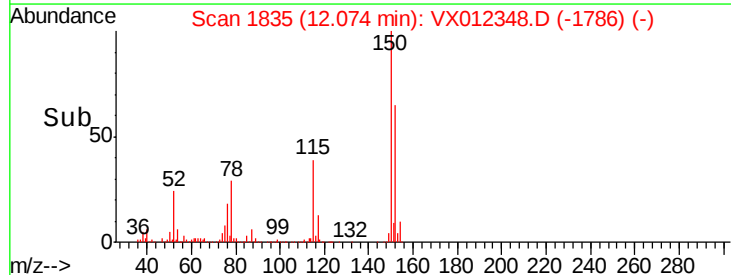
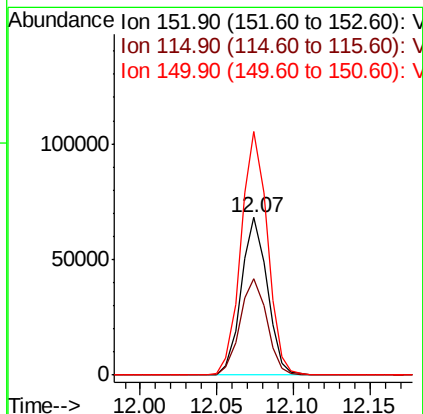
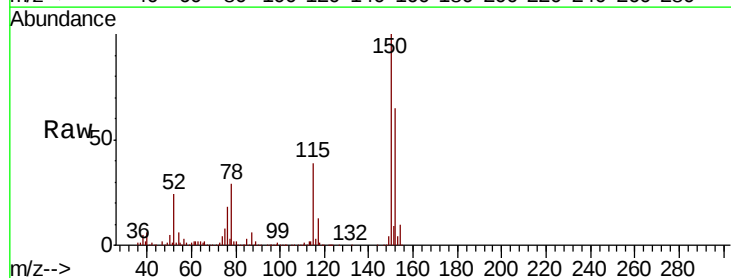
Instrument :
MSVOA_X
ClientSampleId :
T1-3-(1.5)

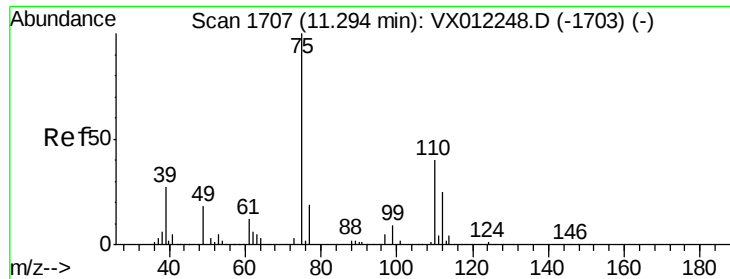
Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.4	69.6
119	31.9	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012348.D
Acq: 12 Sep 2019 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	45.5	136.4
150	156.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 54.481 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

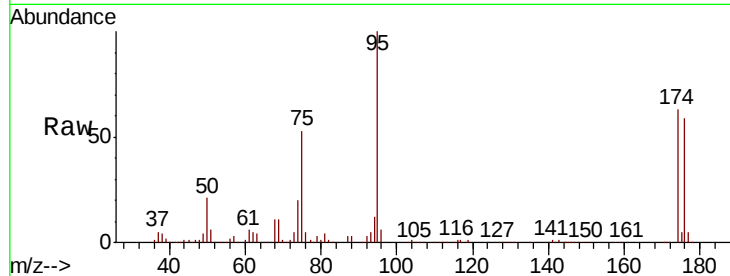
T1-3-(1.5)

Tgt Ion: 75 Resp: 56545

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

11.13

40000

30000

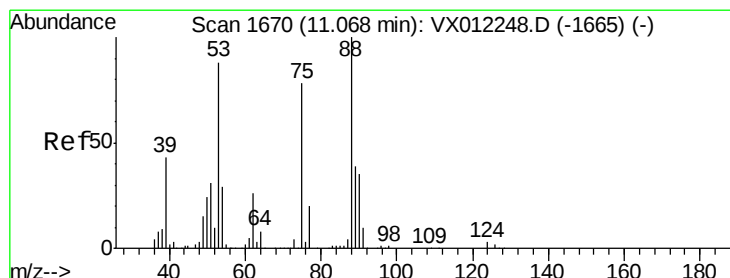
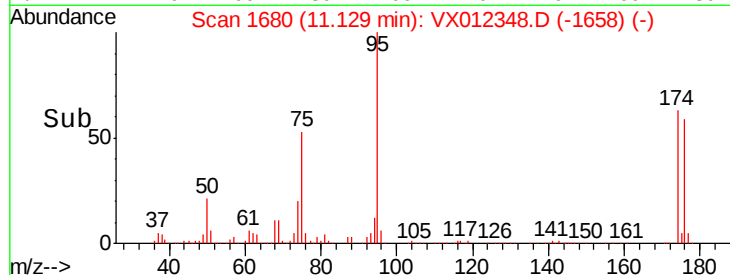
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 163.238 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012348.D

Acq: 12 Sep 2019 15:29

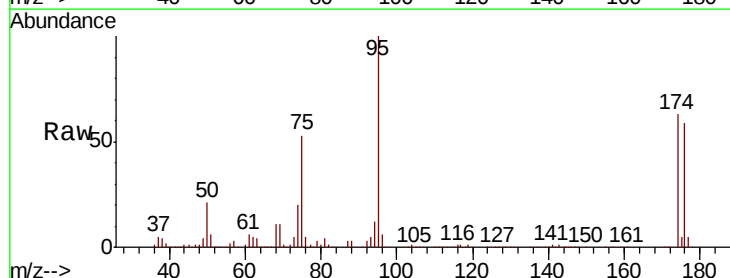
Tgt Ion: 75 Resp: 56545

Ion Ratio Lower Upper

75 100

53 0.3 88.1 132.1#

89 0.0 43.5 65.3#



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

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

