

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012303.D
 Acq On : 11 Sep 2019 15:37
 Operator : SY/SP
 Sample : K4643-12
 Misc : 5.17g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C2-(0)

Quant Time: Sep 12 05:39:44 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	162141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284287	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103176	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	112548	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
35) Dibromofluoromethane	5.49	113	84746	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
50) Toluene-d8	8.71	98	335464	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.14	95	125873	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	

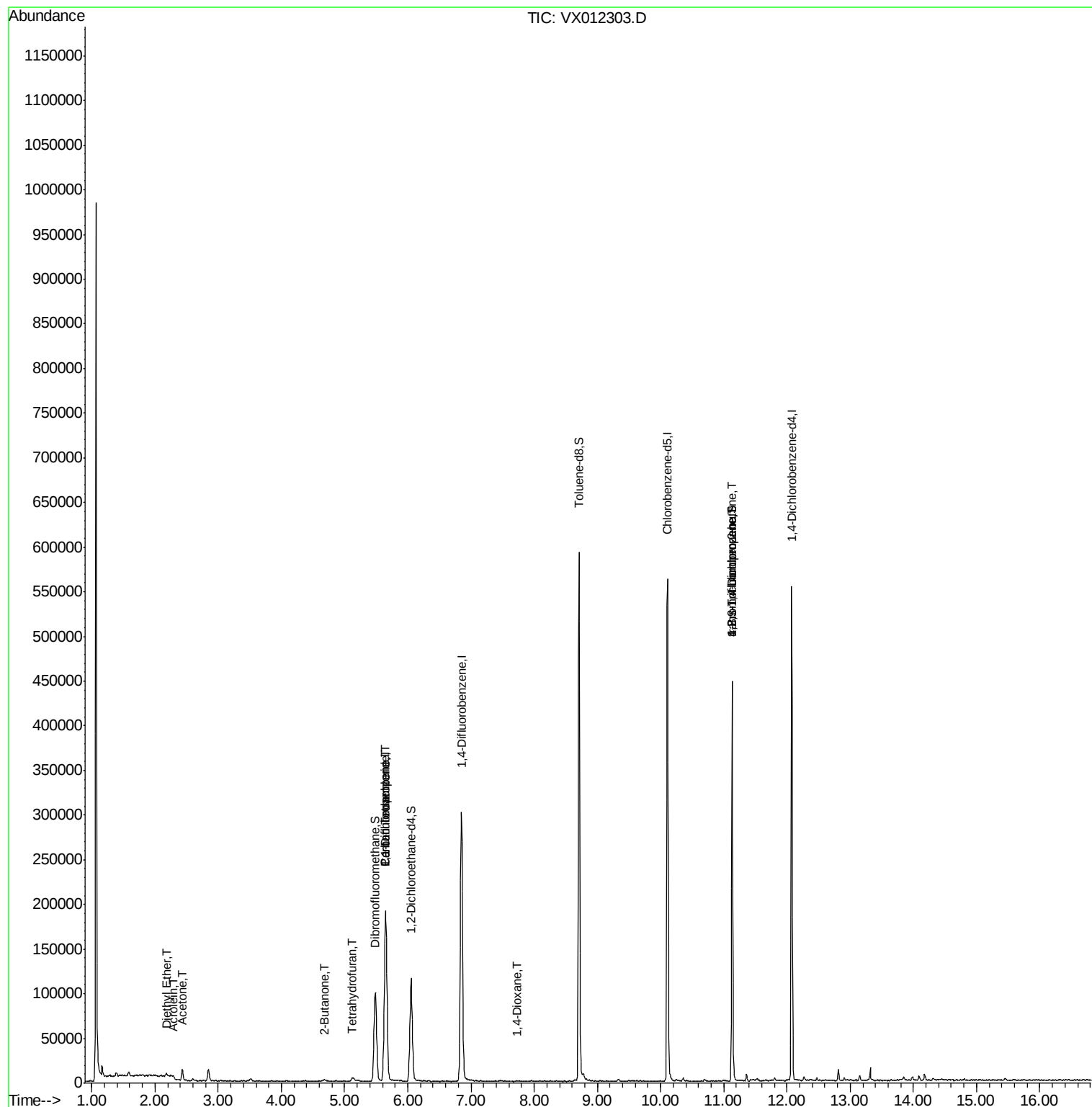
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	218	Below Cal	#	74
8) Diethyl Ether	2.17	74	859	1.174	ug/l	90
11) Tert butyl alcohol	3.03	59	677	Below Cal	#	95
13) Acrolein	2.28	56	397	3.313	ug/l #	29
16) Acetone	2.43	43	13322	24.549	ug/l	99
25) 2-Butanone	4.68	43	2702	3.895	ug/l #	90
29) Tetrahydrofuran	5.12	42	4497	12.015	ug/l	98
36) 1,1-Dichloropropene	5.64	75	14894	7.185	ug/l #	53
38) Carbon Tetrachloride	5.65	117	18902	7.772	ug/l #	14
49) 1,4-Dioxane	7.73	88	18	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	66690	50.315	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	66690	150.755	ug/l #	5

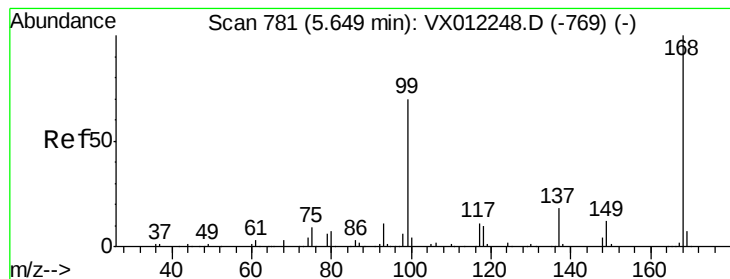
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

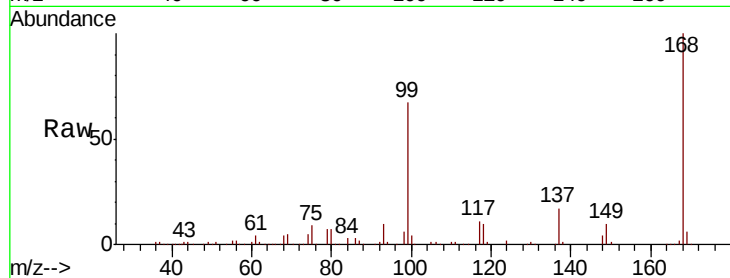
T11-C2-(0)

Tgt Ion: 168 Resp: 162141

Ion Ratio Lower Upper

168 100

99 67.2 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

50000

40000

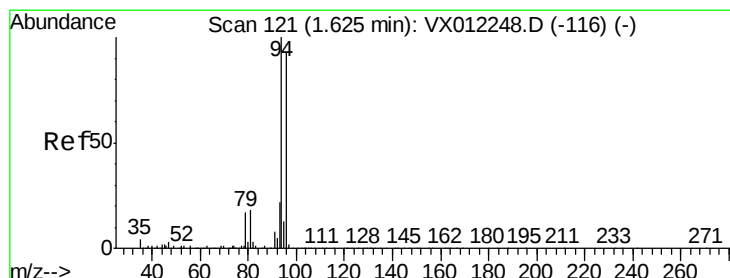
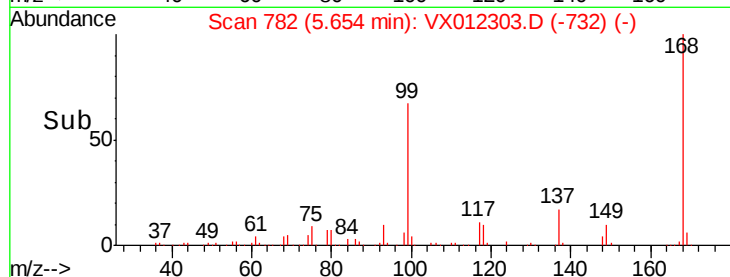
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012303.D

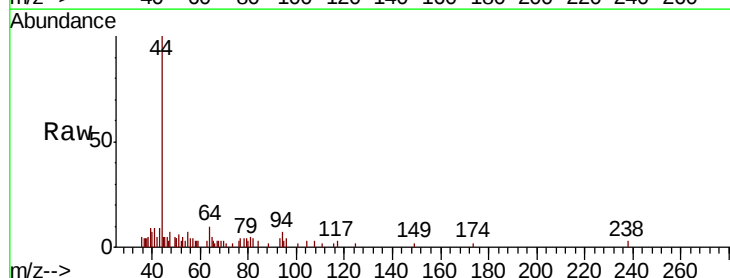
Acq: 11 Sep 2019 15:37

Tgt Ion: 94 Resp: 218

Ion Ratio Lower Upper

94 100

96 67.8 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

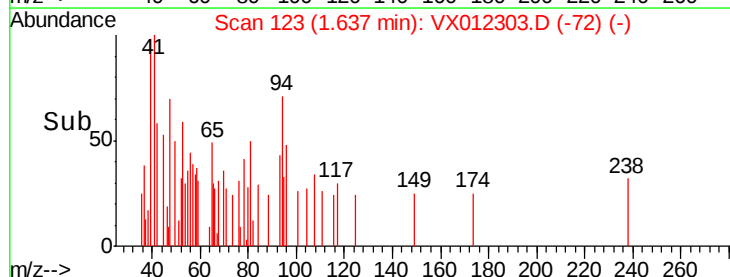
150

100

50

0

Time--> 1.60 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.174 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

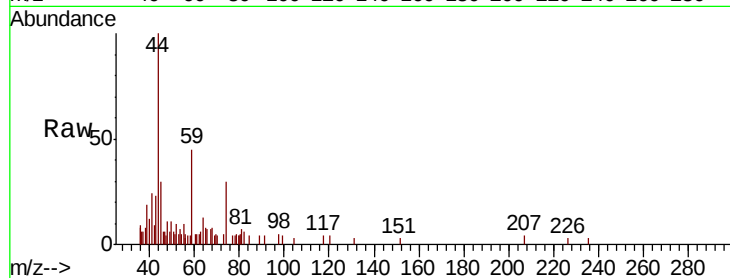
T11-C2-(0)

Tgt Ion: 74 Resp: 859

Ion Ratio Lower Upper

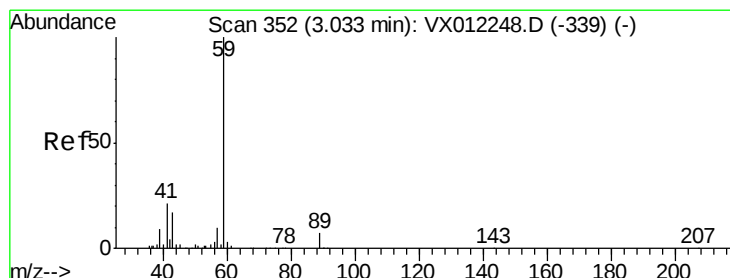
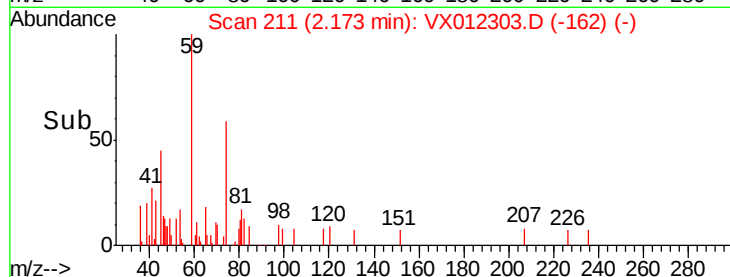
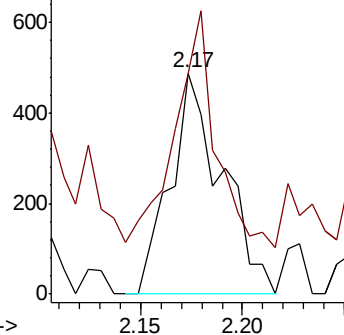
74 100

45 112.5 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: VX012303.D

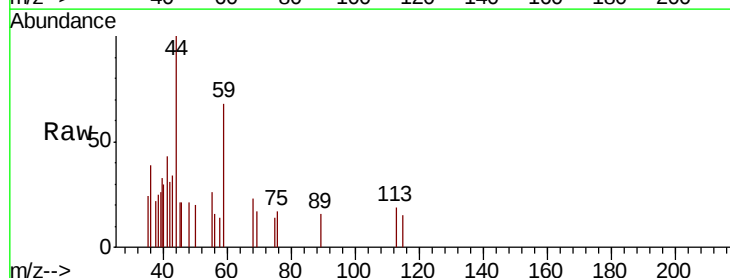
Acq: 11 Sep 2019 15:37

Tgt Ion: 59 Resp: 677

Ion Ratio Lower Upper

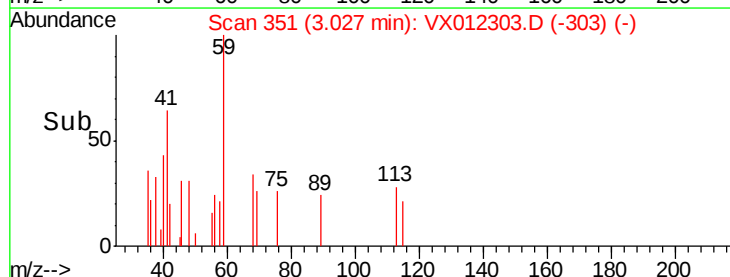
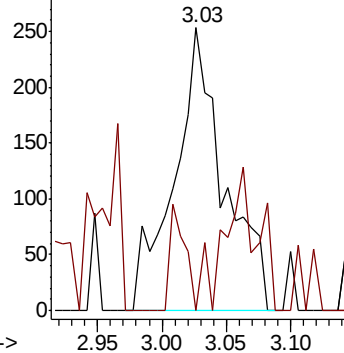
59 100

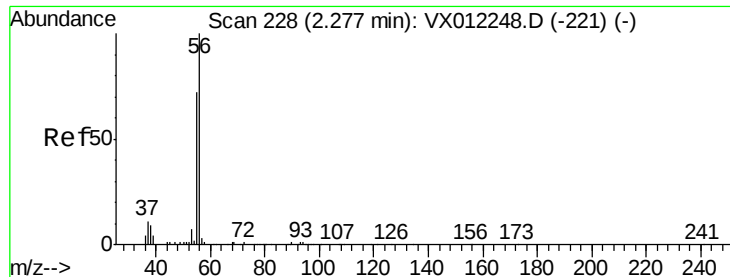
57 11.7 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

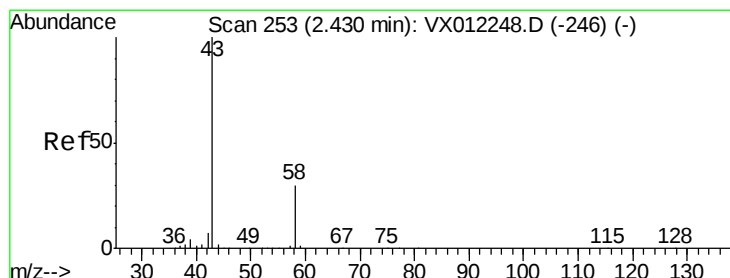
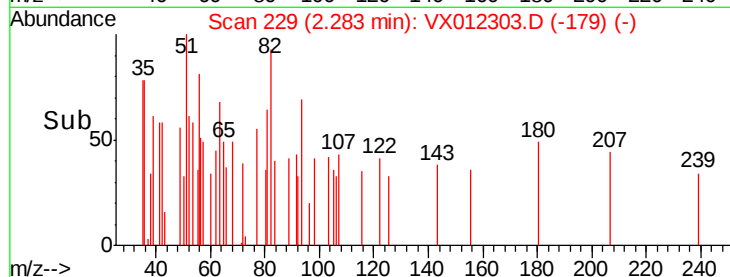
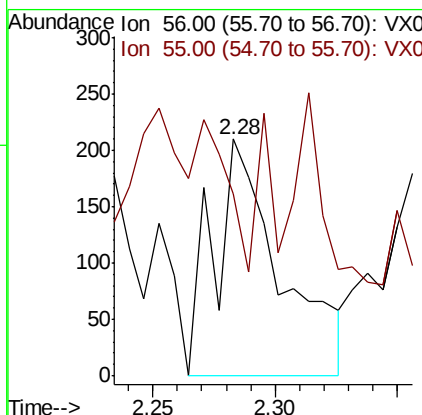
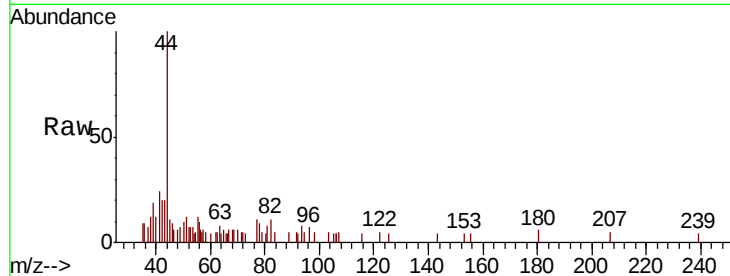




#13
Acrolein
Concen: 3.313 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012303.D
Acq: 11 Sep 2019 15:37

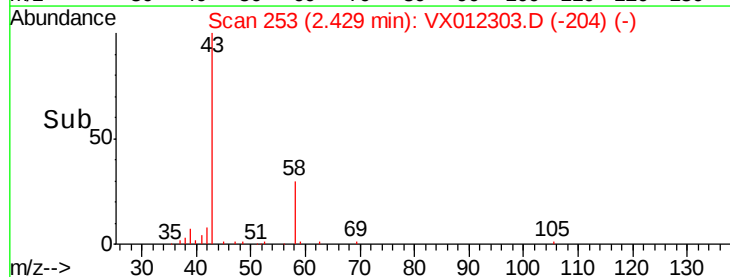
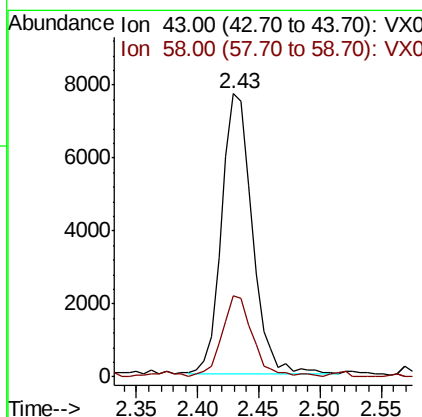
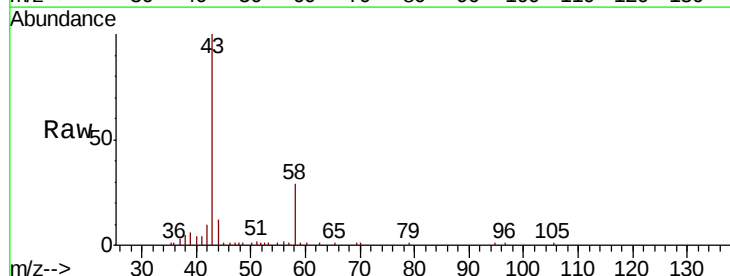
Instrument :
MSVOA_X
ClientSampleId :
T11-C2-(0)

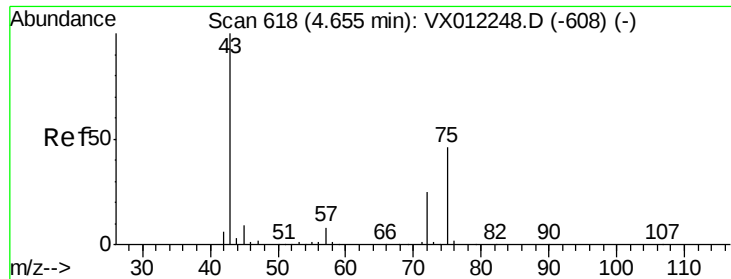
Tgt Ion: 56 Resp: 397
Ion Ratio Lower Upper
56 100
55 14.6 59.8 89.6#



#16
Acetone
Concen: 24.549 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012303.D
Acq: 11 Sep 2019 15:37

Tgt Ion: 43 Resp: 13322
Ion Ratio Lower Upper
43 100
58 29.2 23.6 35.4





#25

2-Butanone

Concen: 3.895 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

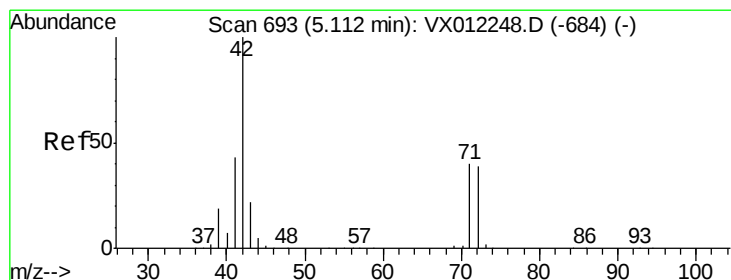
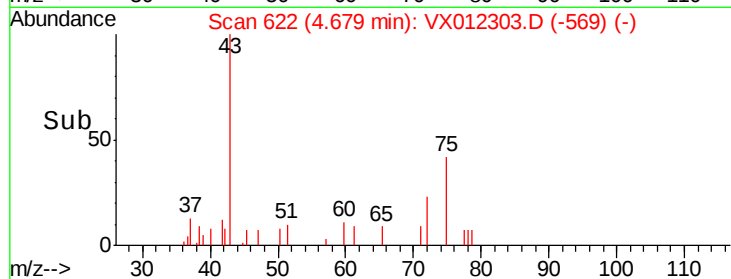
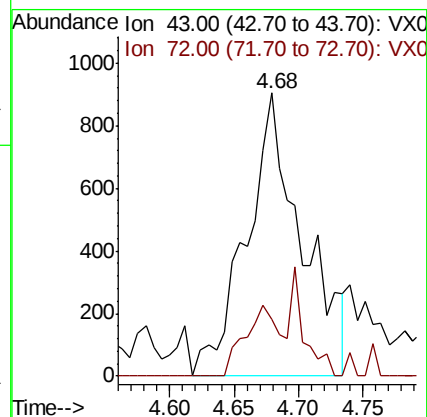
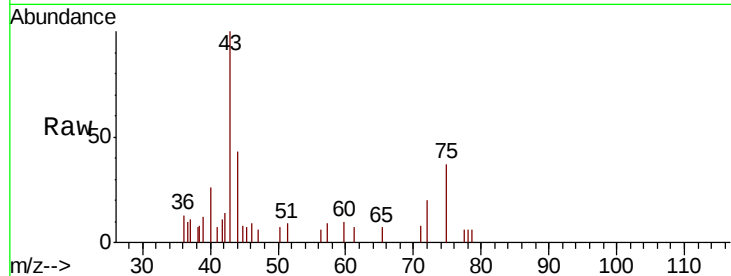
T11-C2-(0)

Tgt Ion: 43 Resp: 2702

Ion Ratio Lower Upper

43 100

72 20.0 20.2 30.2#



#29

Tetrahydrofuran

Concen: 12.015 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

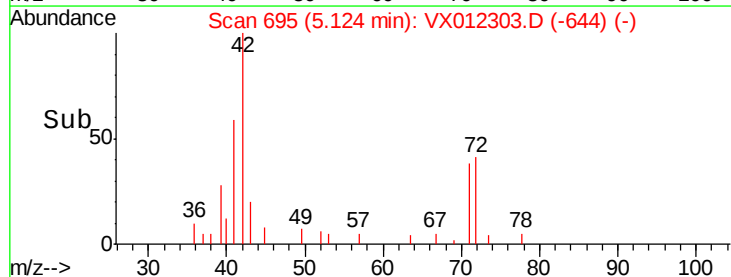
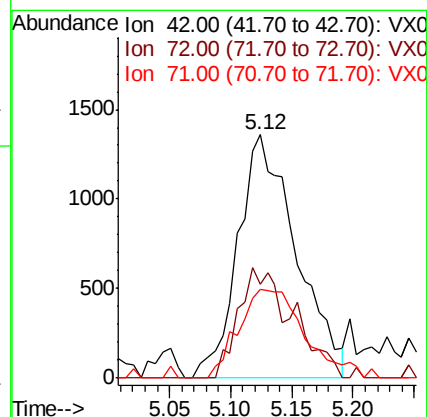
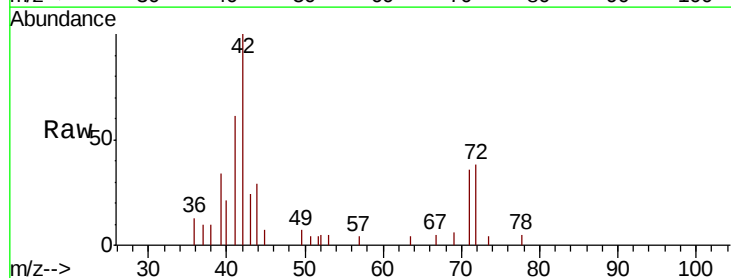
Tgt Ion: 42 Resp: 4497

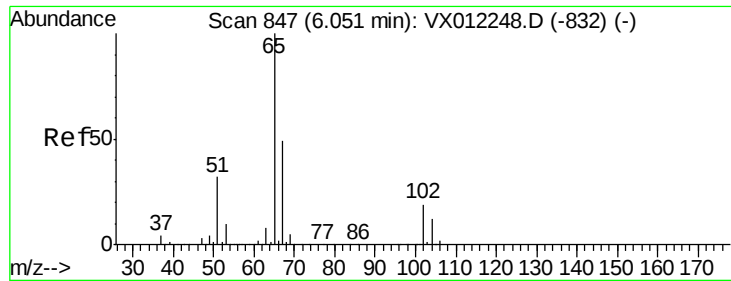
Ion Ratio Lower Upper

42 100

72 42.3 35.2 52.8

71 41.9 32.5 48.7

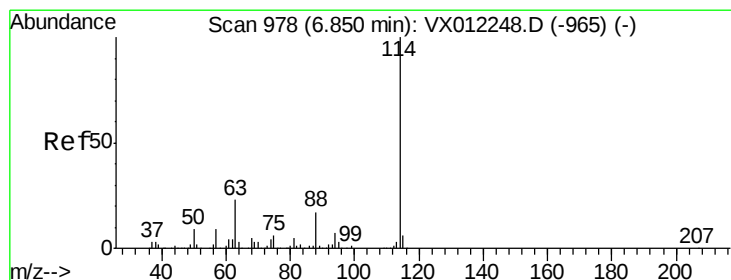
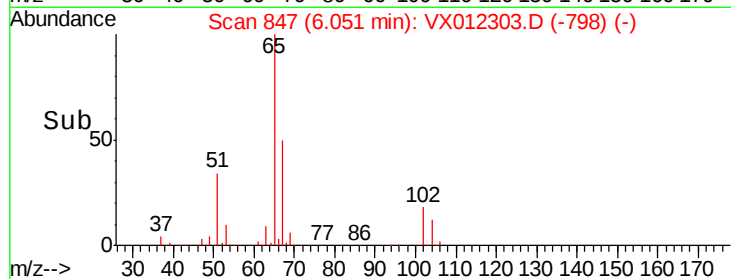
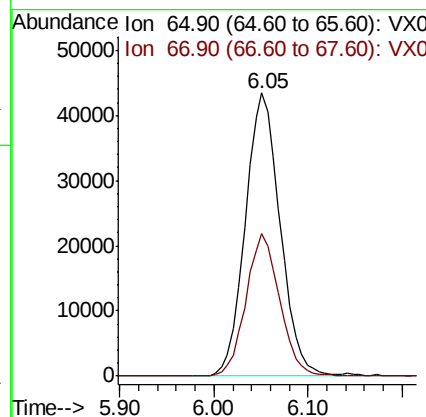
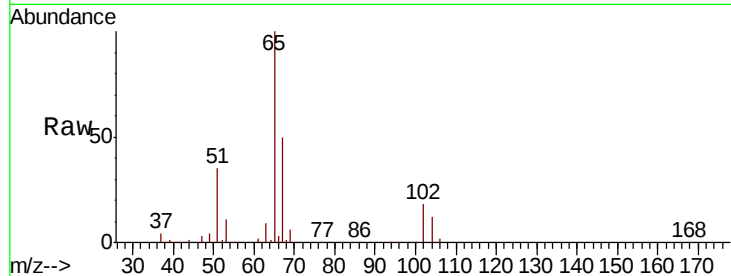




#33
 1,2-Dichloroethane-d4
 Concen: 49.097 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012303.D
 Acq: 11 Sep 2019 15:37

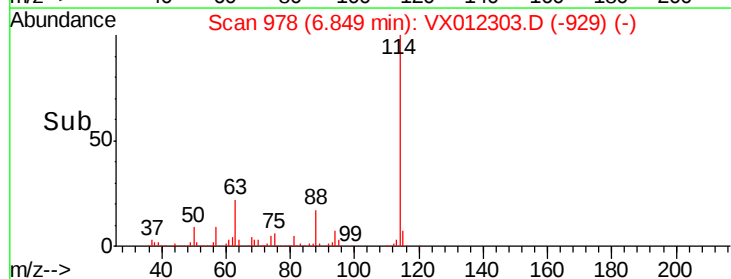
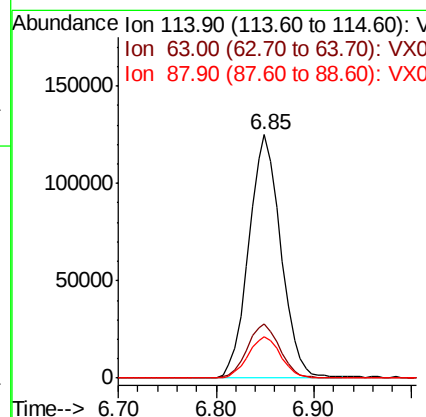
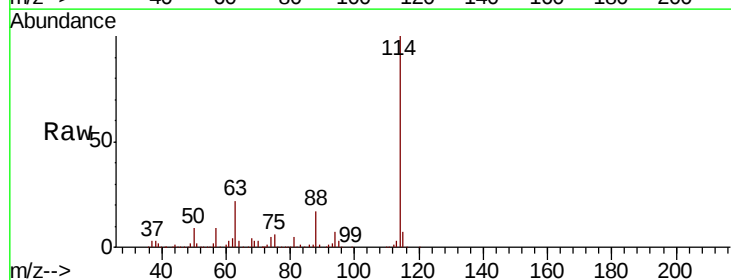
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C2-(0)

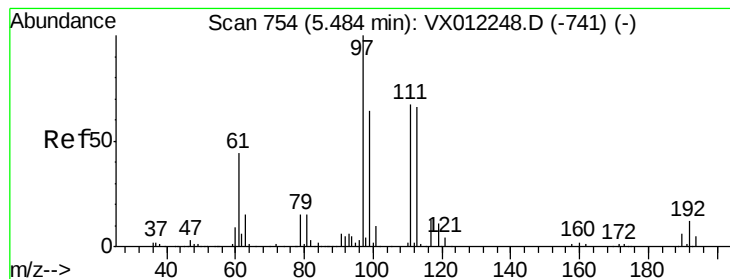
Tgt Ion: 65 Resp: 112548
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012303.D
 Acq: 11 Sep 2019 15:37

Tgt Ion: 114 Resp: 284287
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.2
 88 16.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.502 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

T11-C2-(0)

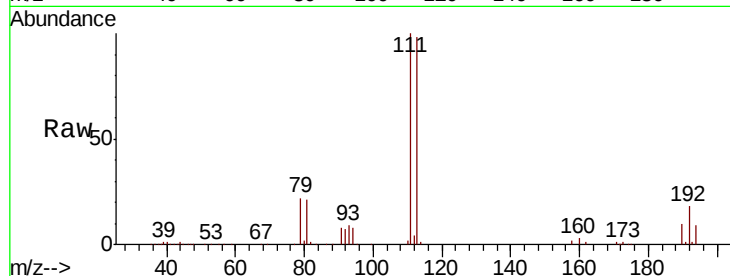
Tgt Ion:113 Resp: 84746

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

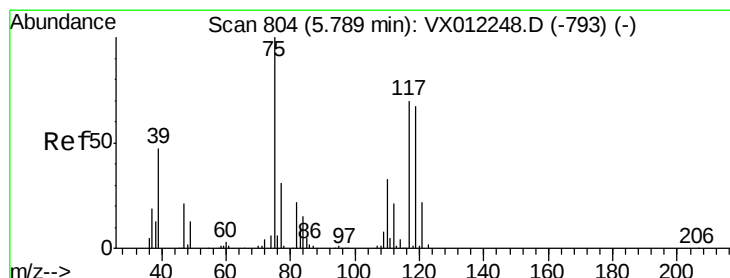
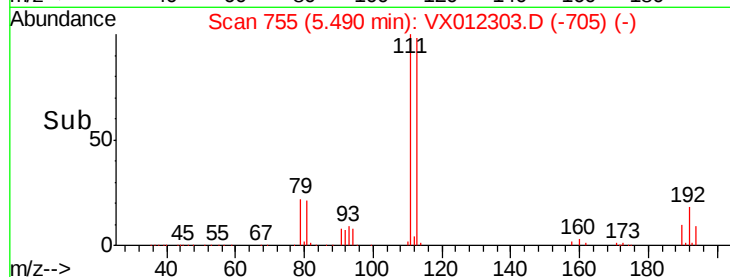
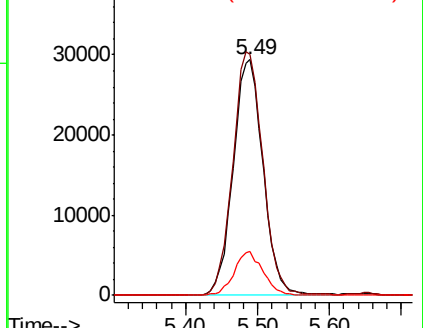
192 17.9 14.3 21.5



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: 7.185 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

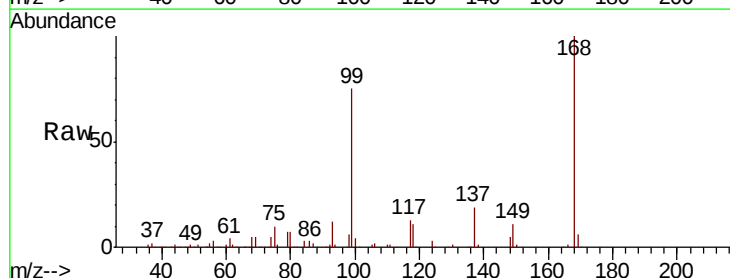
Tgt Ion: 75 Resp: 14894

Ion Ratio Lower Upper

75 100

110 11.3 16.8 50.4#

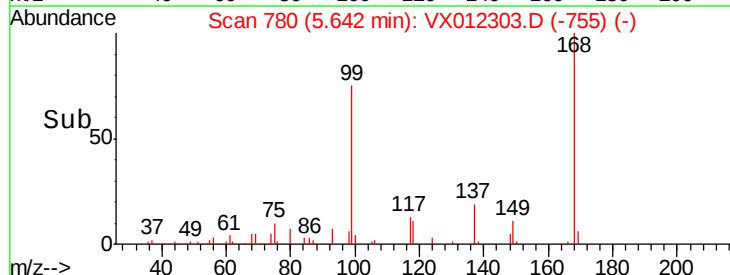
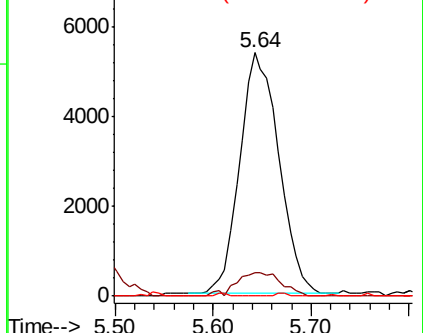
77 0.0 24.5 36.7#

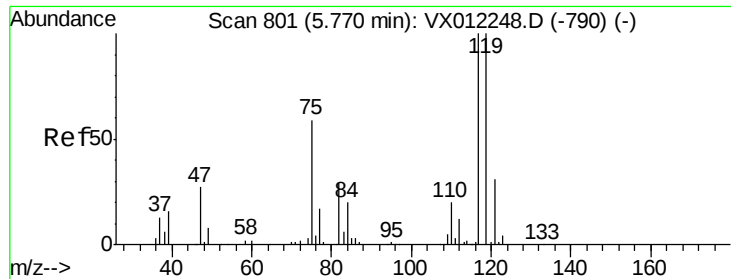


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.772 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

T11-C2-(0)

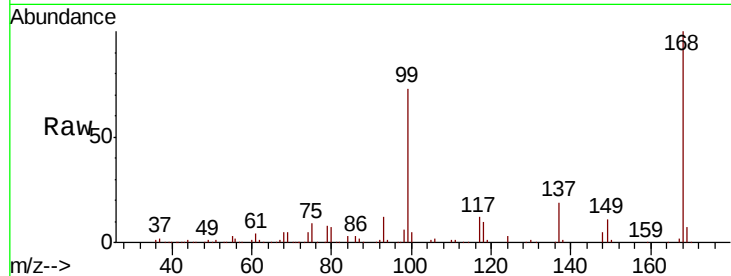
Tgt Ion:117 Resp: 18902

Ion Ratio Lower Upper

117 100

119 4.7 79.6 119.4#

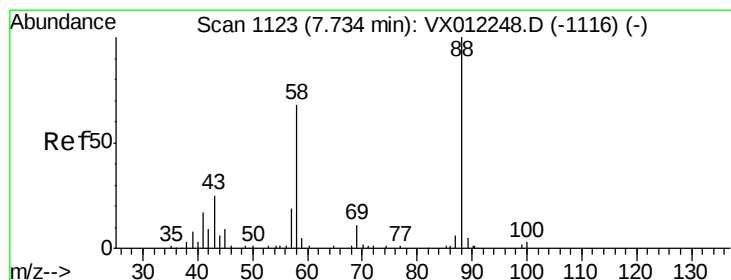
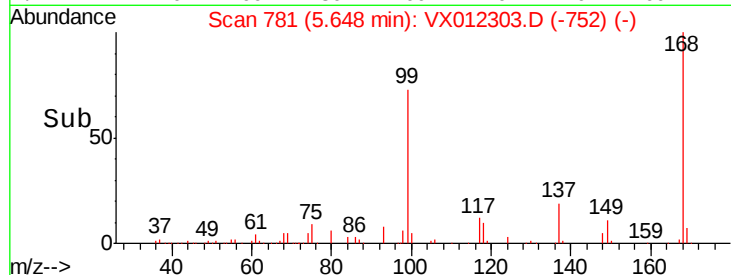
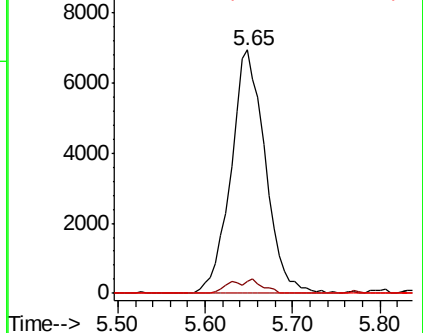
121 0.0 24.7 37.1#



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: 1.032 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

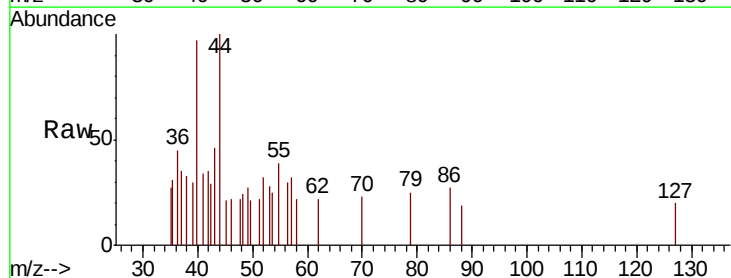
Tgt Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

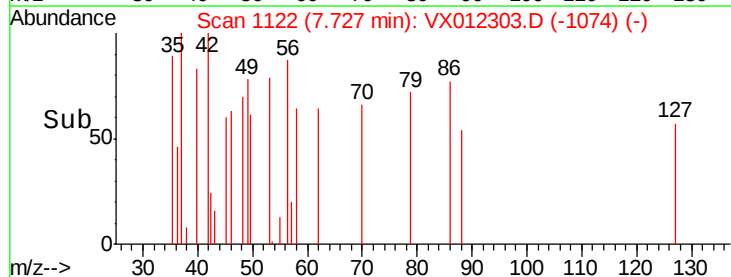
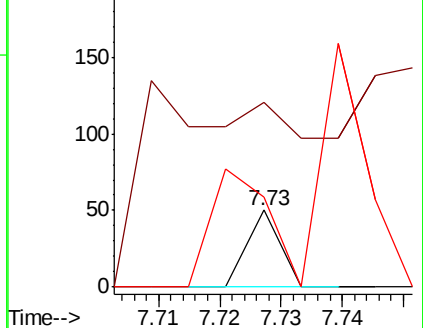
58 716.7 61.5 92.3#

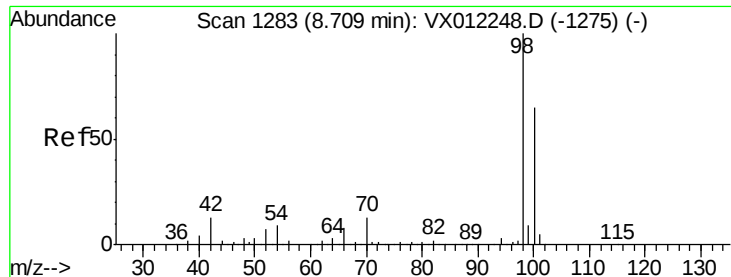


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.483 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

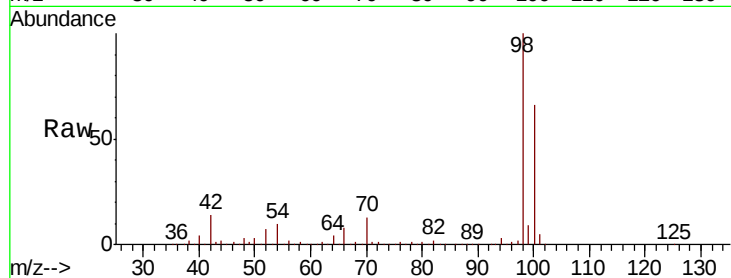
T11-C2-(0)

Tgt Ion: 98 Resp: 335464

Ion Ratio Lower Upper

98 100

100 67.0 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

200000

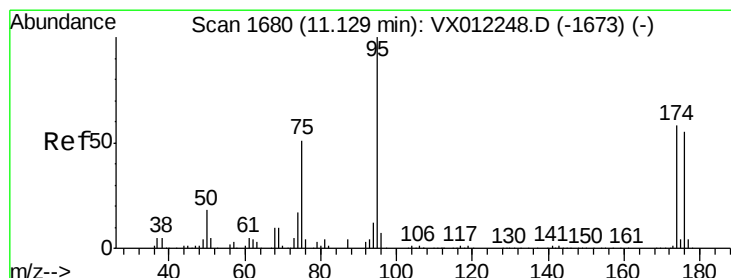
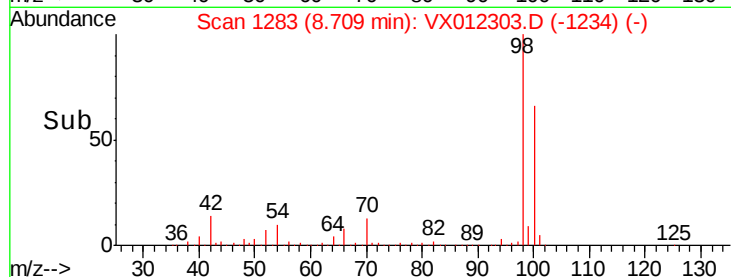
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.478 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

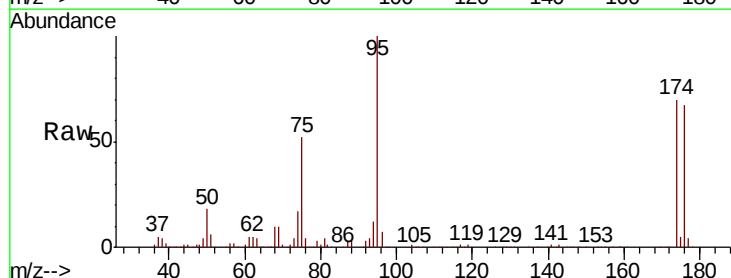
Tgt Ion: 95 Resp: 125873

Ion Ratio Lower Upper

95 100

174 66.9 0.0 127.0

176 64.7 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

120000

100000

80000

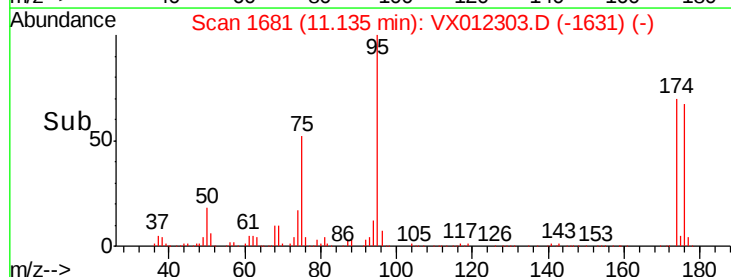
60000

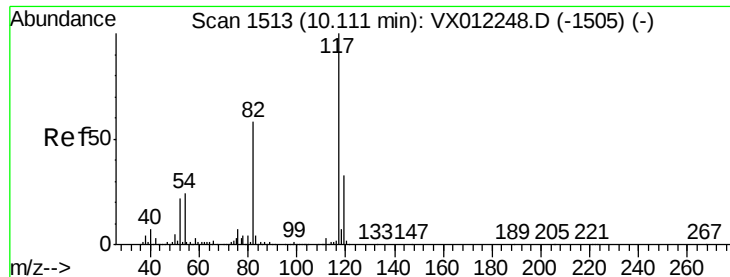
40000

20000

0

Time-->

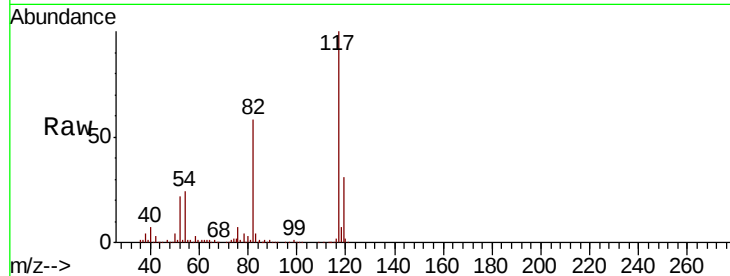




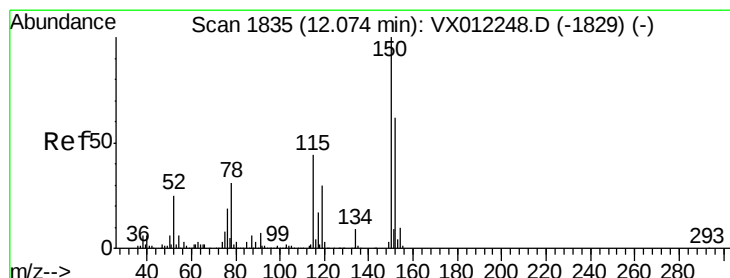
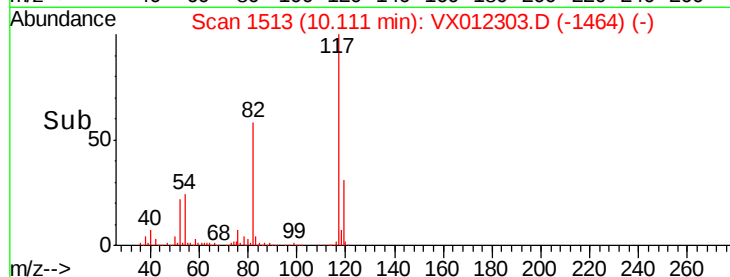
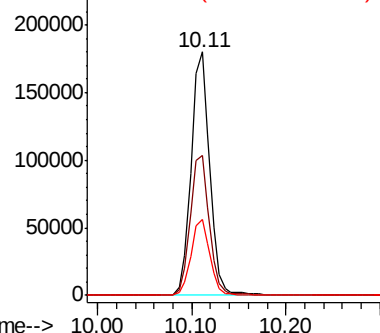
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012303.D
Acq: 11 Sep 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
T11-C2-(0)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.4	69.6
119	31.1	26.6	39.8

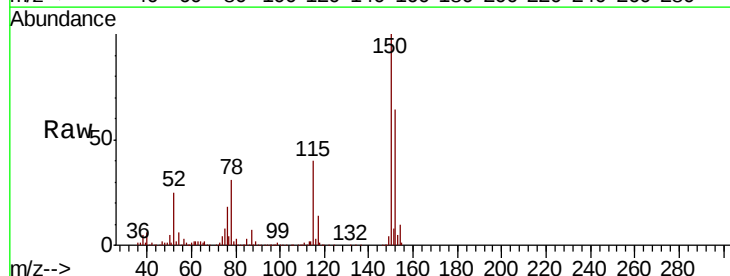


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

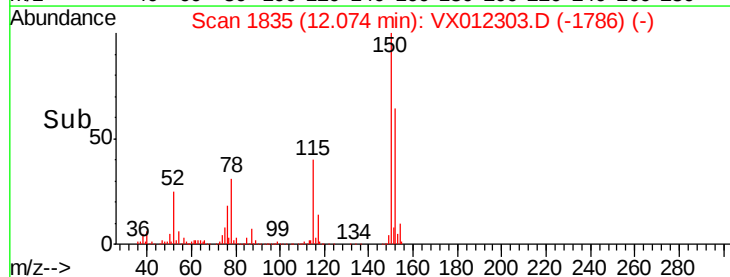
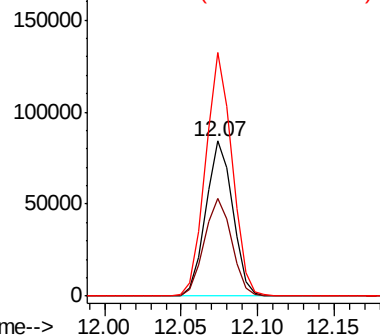


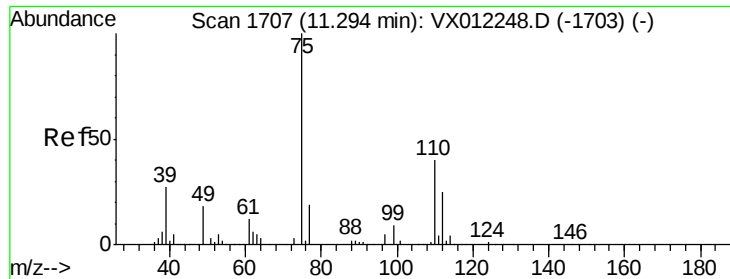
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012303.D
Acq: 11 Sep 2019 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	45.5	136.4
150	154.1	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: 50.315 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

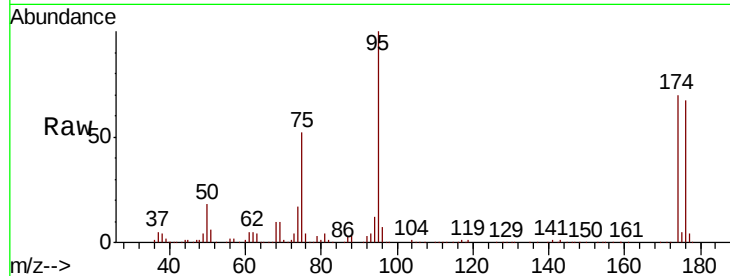
T11-C2-(0)

Tgt Ion: 75 Resp: 66690

Ion Ratio Lower Upper

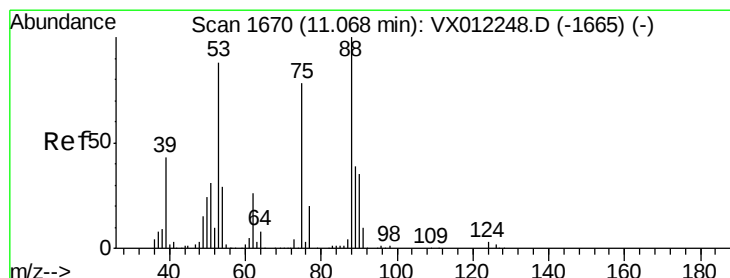
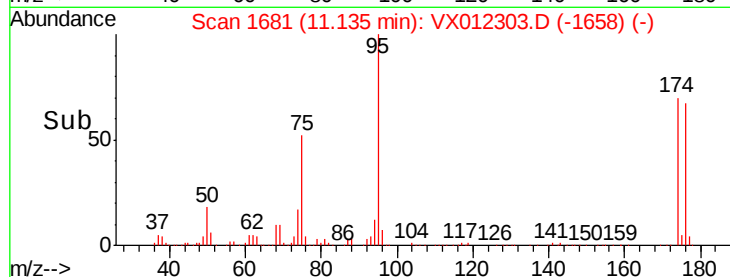
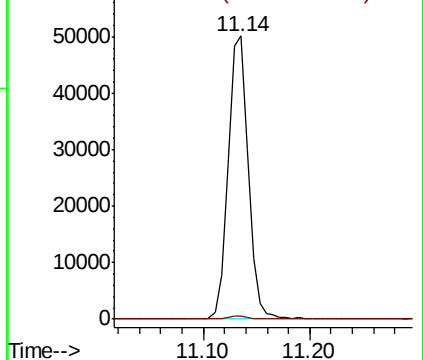
75 100

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: 150.755 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012303.D

Acq: 11 Sep 2019 15:37

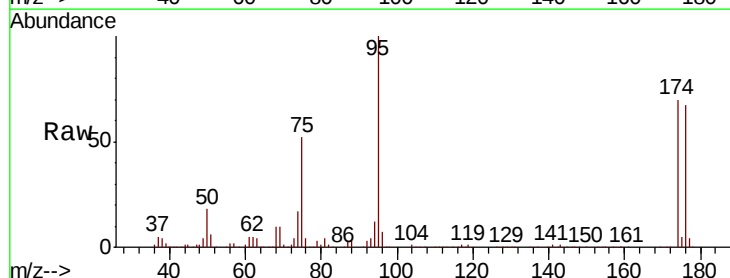
Tgt Ion: 75 Resp: 66690

Ion Ratio Lower Upper

75 100

53 0.2 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

