

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012273.D
 Acq On : 11 Sep 2019 00:19
 Operator : SY/SP
 Sample : K4624-12
 Misc : 7.43g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A2-(4)

Quant Time: Sep 11 02:29:16 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	161742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96017	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	111687	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.48	113	85802	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	333430	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	125369	42.58	ug/l	0.00
Spiked Amount			Recovery	=	85.16%	

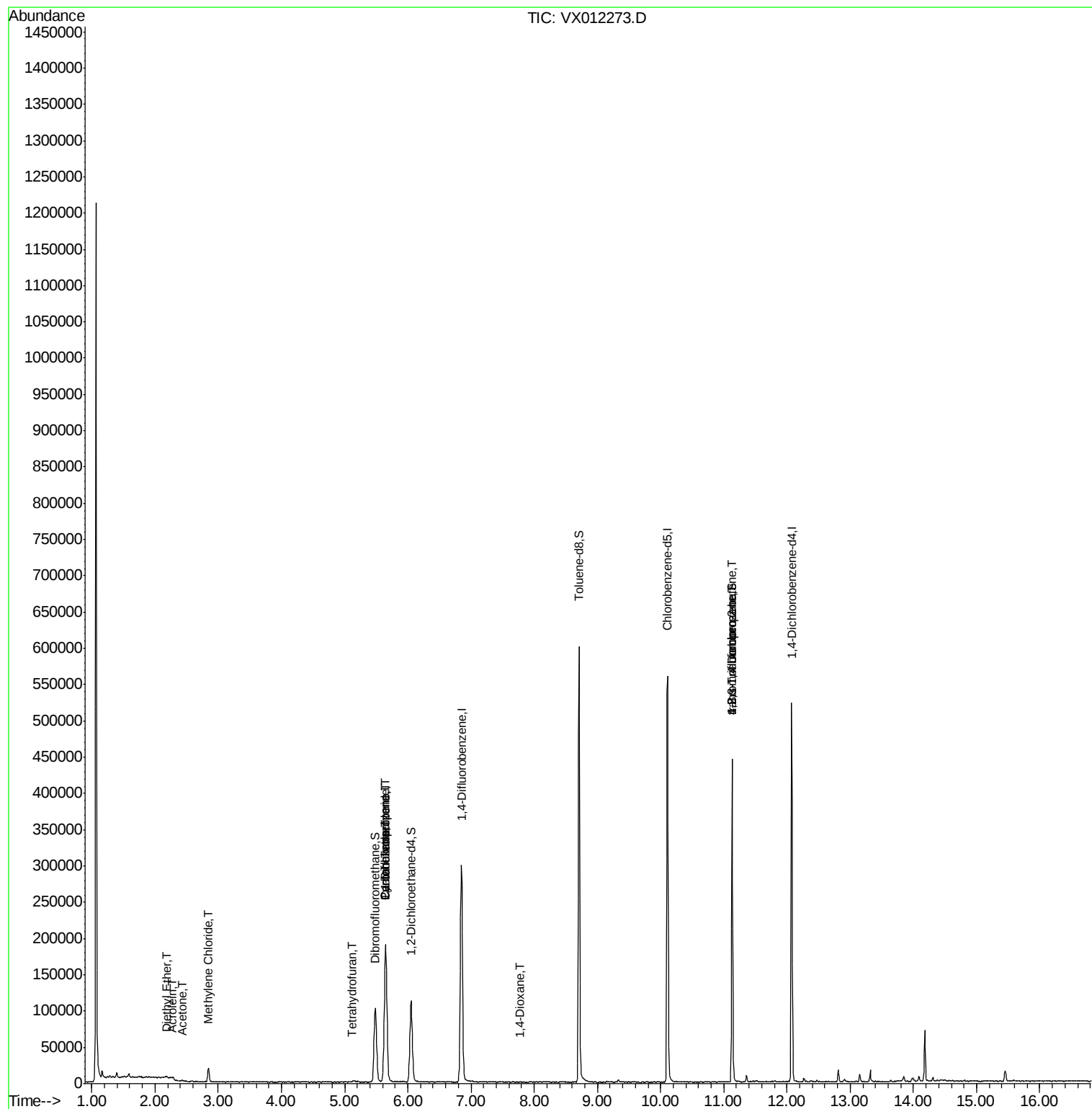
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	299	Below Cal	#	2
8) Diethyl Ether	2.18	74	926	1.269	ug/l	74
11) Tert butyl alcohol	3.05	59	167	Below Cal	#	1
13) Acrolein	2.28	56	359	3.003	ug/l #	12
16) Acetone	2.43	43	1564	2.889	ug/l	99
20) Methylene Chloride	2.84	84	7978	2.205	ug/l	96
29) Tetrahydrofuran	5.12	42	1768	4.735	ug/l #	82
31) Cyclohexane	5.65	56	4571	2.153	ug/l #	31
36) 1,1-Dichloropropene	5.64	75	15474	7.513	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19226	7.956	ug/l #	14
49) 1,4-Dioxane	7.76	88	20	1.154	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	66217	53.683	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	66217	160.847	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: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampleId :

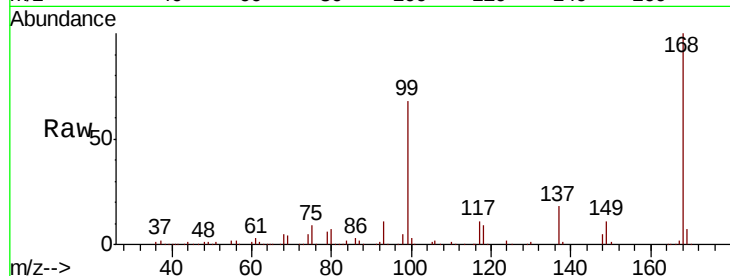
T-11-A2-(4)

Tgt Ion:168 Resp: 161742

Ion Ratio Lower Upper

168 100

99 68.0 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): VX012248.D (-769) (-)

Ion 98.90 (98.60 to 99.60): VX012248.D (-769) (-)

5.65

60000

50000

40000

30000

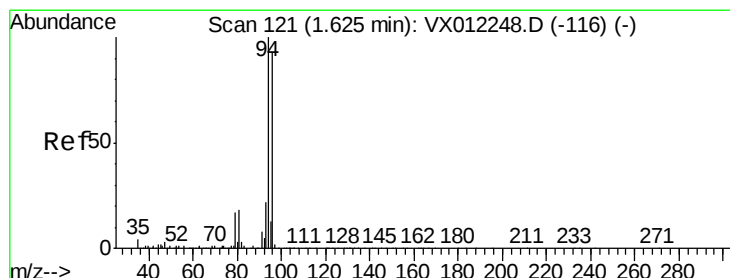
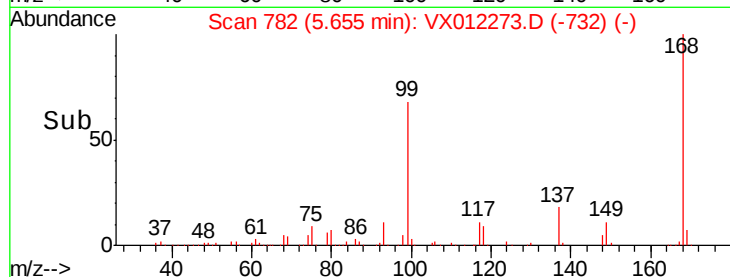
20000

10000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012273.D

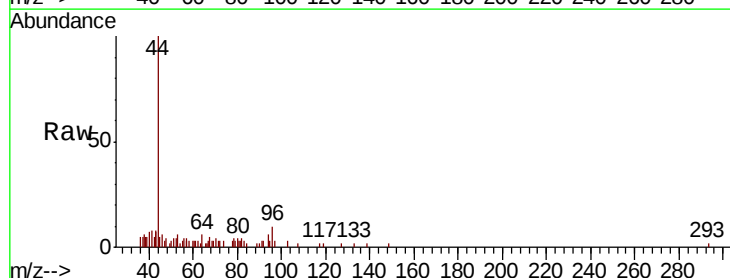
Acq: 11 Sep 2019 00:19

Tgt Ion: 94 Resp: 299

Ion Ratio Lower Upper

94 100

96 186.3 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX012248.D (-116) (-)

Ion 95.90 (95.60 to 96.60): VX012248.D (-116) (-)

1.64

300

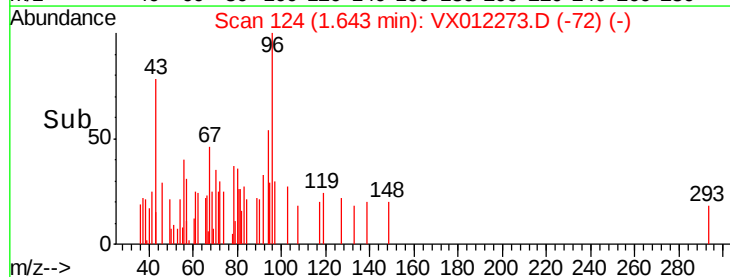
200

100

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 1.269 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampled :

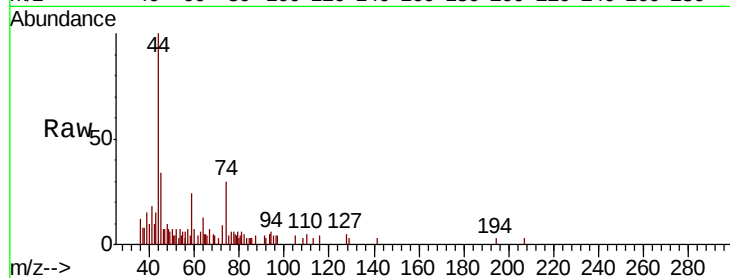
T-11-A2-(4)

Tgt Ion: 74 Resp: 926

Ion Ratio Lower Upper

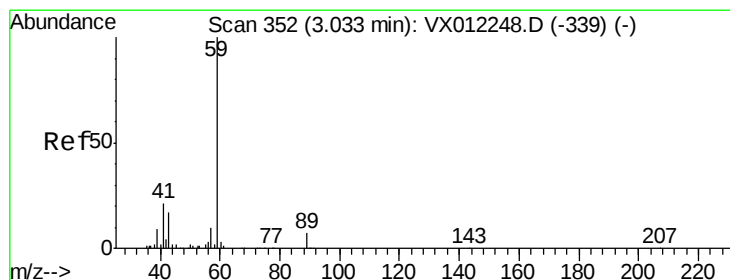
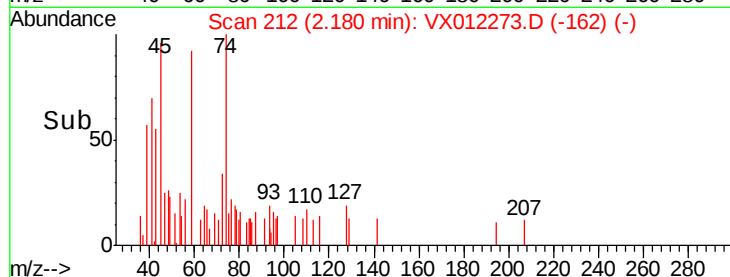
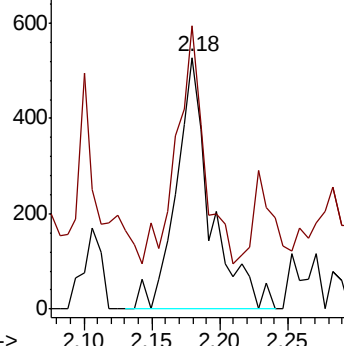
74 100

45 76.5 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: 3.05 min Scan# 354

Delta R.T. 0.01 min

Lab File: VX012273.D

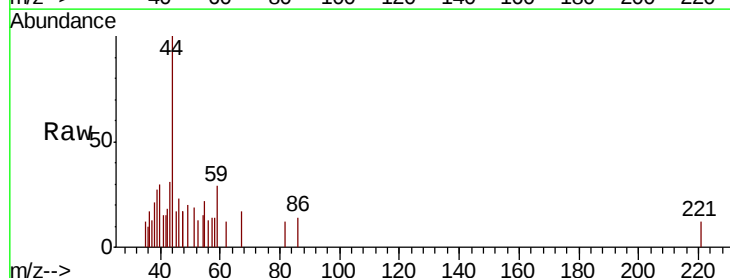
Acq: 11 Sep 2019 00:19

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

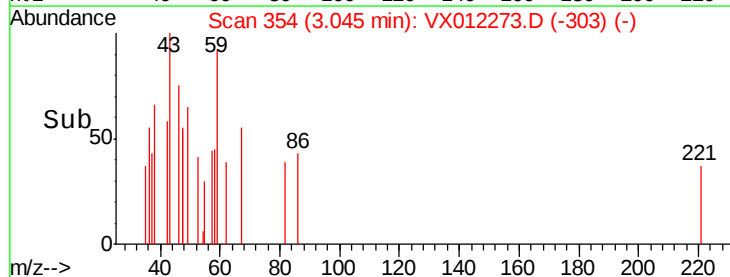
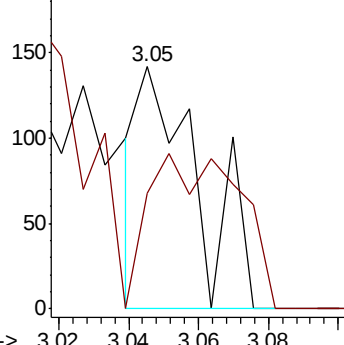
59 100

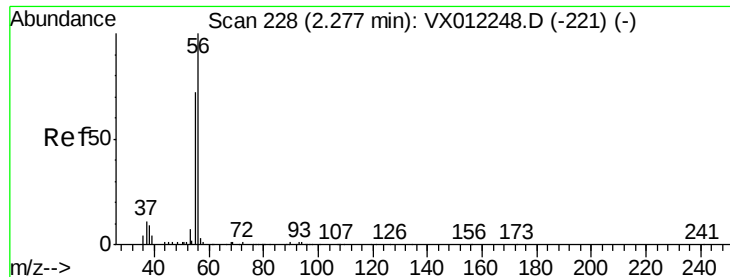
57 98.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

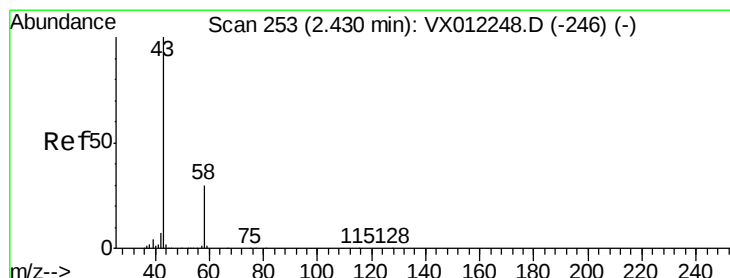
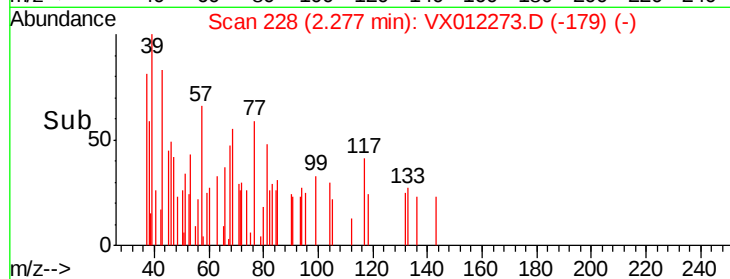
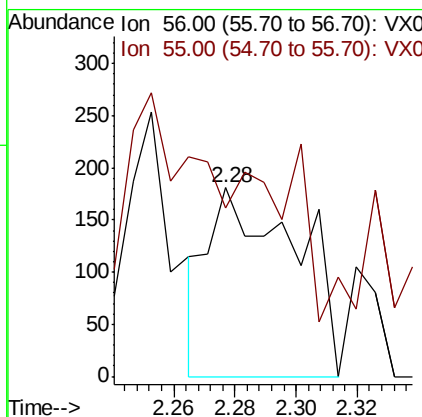
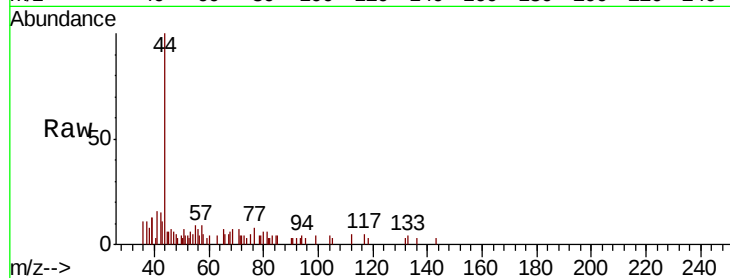




#13
Acrolein
Concen: 3.003 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX012273.D
Acq: 11 Sep 2019 00:19

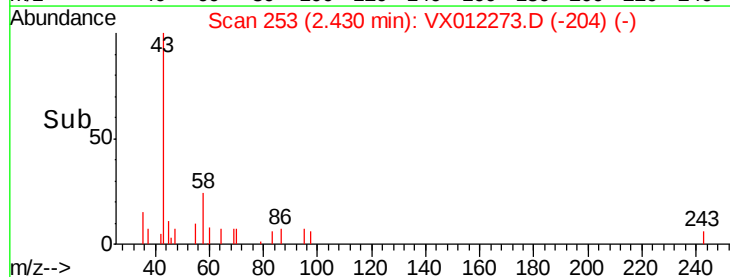
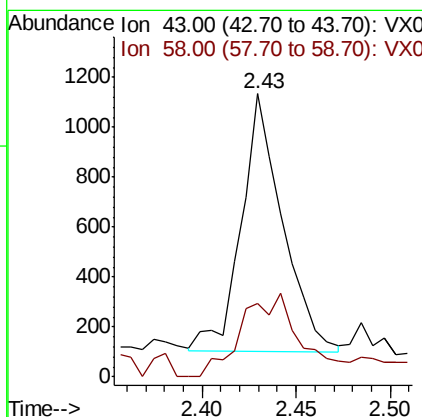
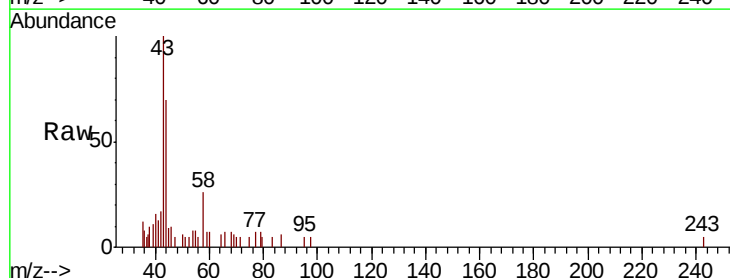
Instrument :
MSVOA_X
ClientSampled :
T-11-A2-(4)

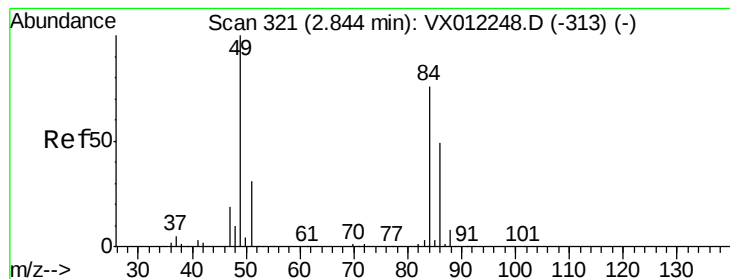
Tgt Ion: 56 Resp: 359
Ion Ratio Lower Upper
56 100
55 0.0 59.8 89.6#



#16
Acetone
Concen: 2.889 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012273.D
Acq: 11 Sep 2019 00:19

Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
58 29.0 23.6 35.4





#20

Methylene Chloride

Concen: 2.205 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampled :

T-11-A2-(4)

Tgt Ion: 84 Resp: 7978

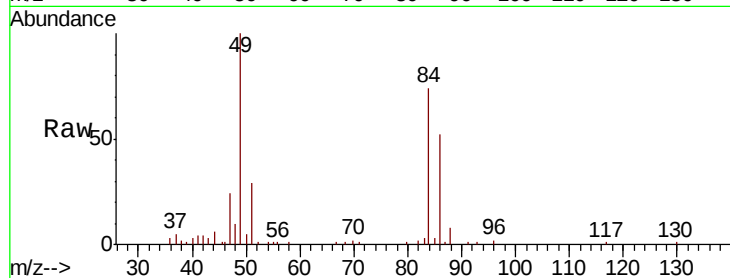
Ion Ratio Lower Upper

84 100

49 135.1 105.0 157.6

51 38.3 32.6 48.8

86 70.2 51.8 77.6

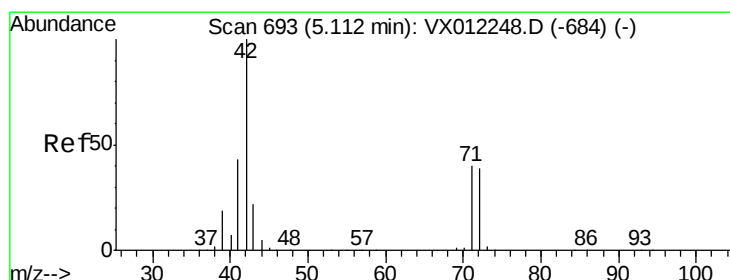
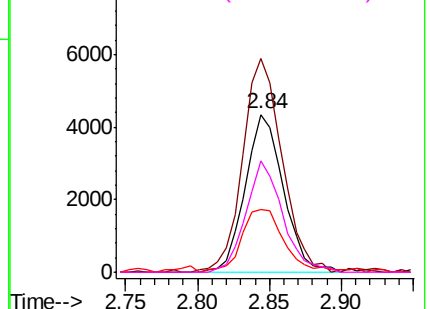
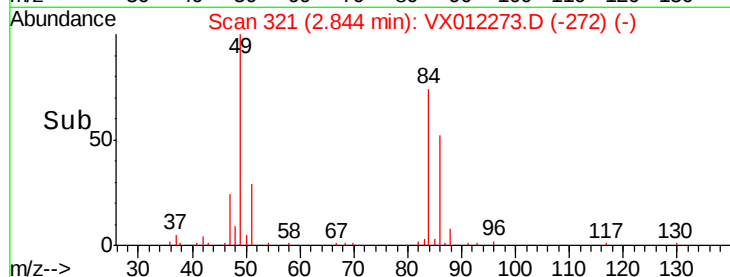


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 4.735 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

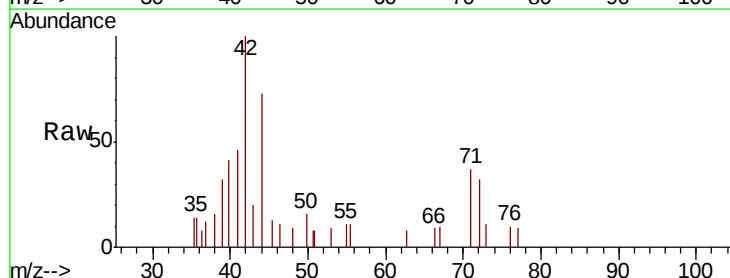
Tgt Ion: 42 Resp: 1768

Ion Ratio Lower Upper

42 100

72 52.0 35.2 52.8

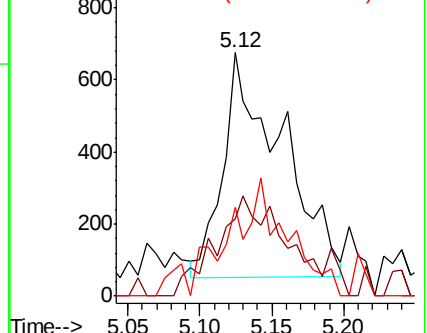
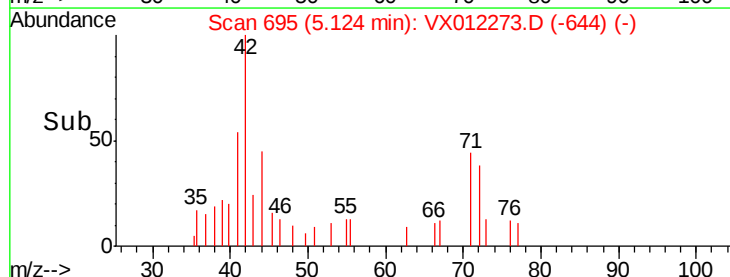
71 55.5 32.5 48.7#

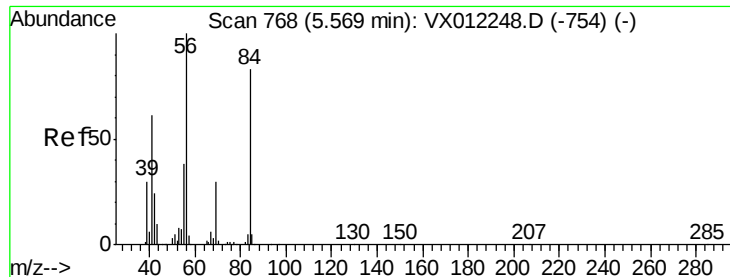


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

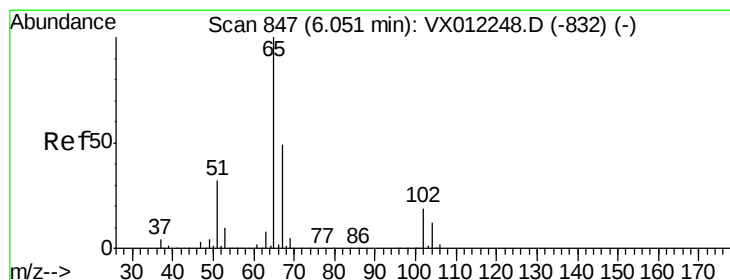
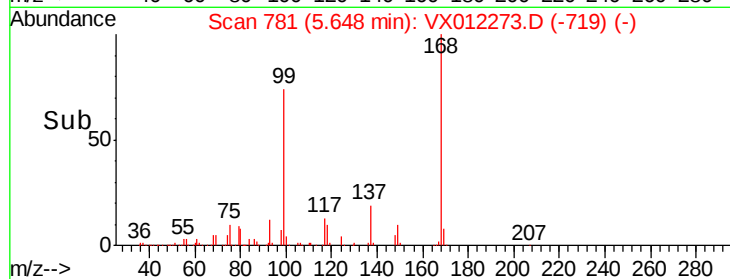
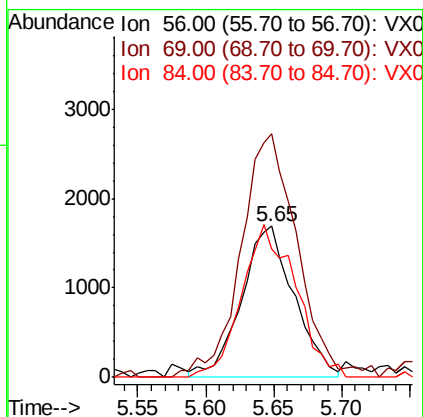
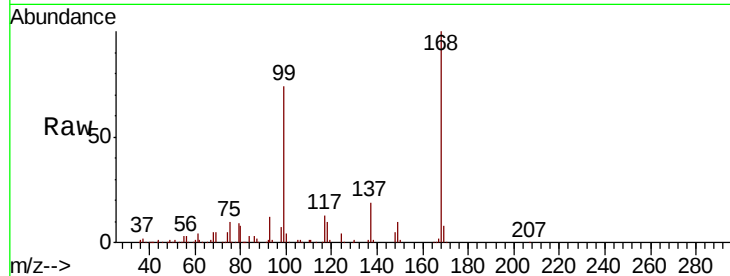




#31
Cyclohexane
Concen: 2.153 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012273.D
Acq: 11 Sep 2019 00:19

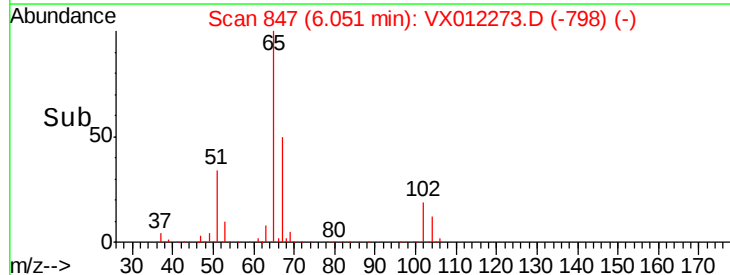
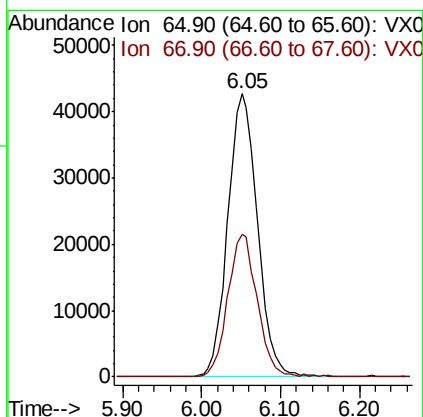
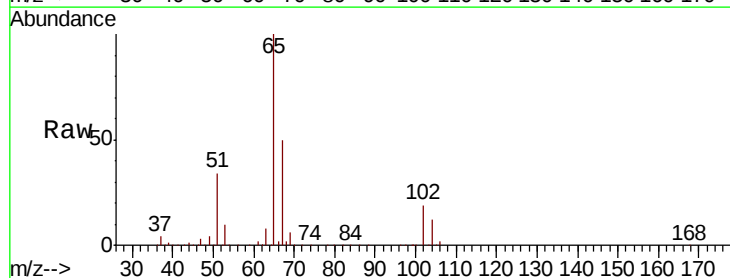
Instrument :
MSVOA_X
ClientSampleId :
T-11-A2-(4)

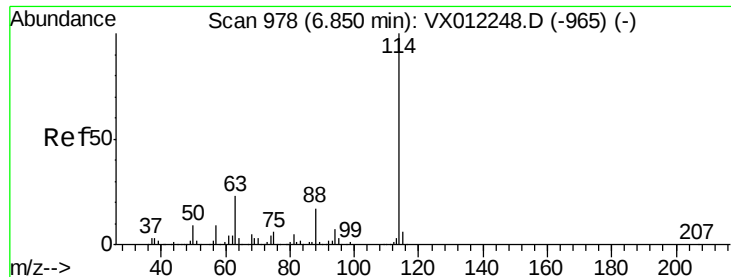
Tgt Ion: 56 Resp: 4571
Ion Ratio Lower Upper
56 100
69 162.9 23.8 35.6#
84 88.2 66.6 100.0



#33
1,2-Dichloroethane-d4
Concen: 48.842 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012273.D
Acq: 11 Sep 2019 00:19

Tgt Ion: 65 Resp: 111687
Ion Ratio Lower Upper
65 100
67 49.9 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: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampleId :

T-11-A2-(4)

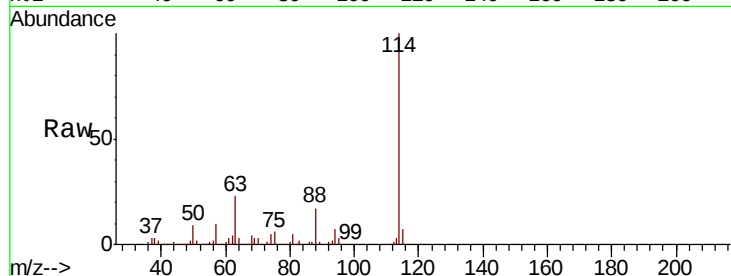
Tgt Ion:114 Resp: 282467

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

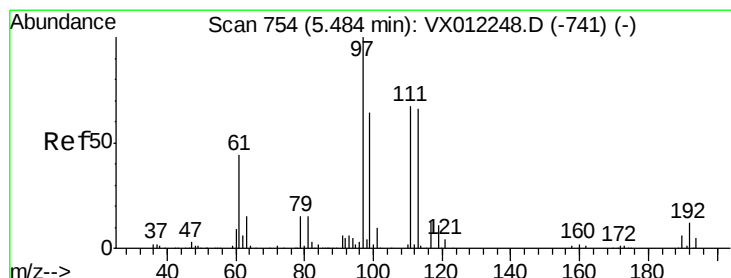
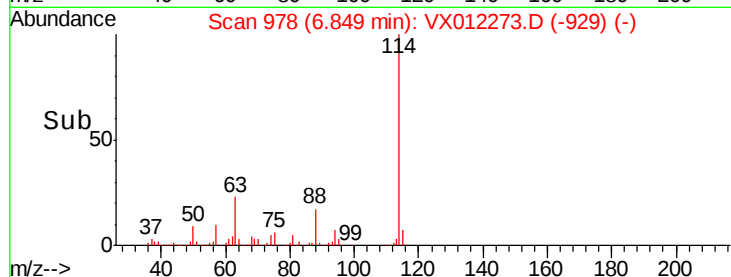
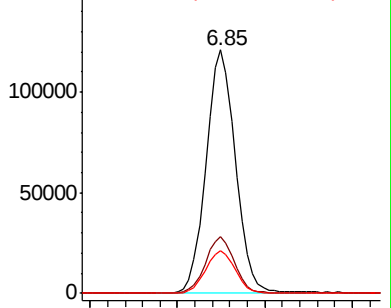
88 17.4 0.0 34.8



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: 47.385 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

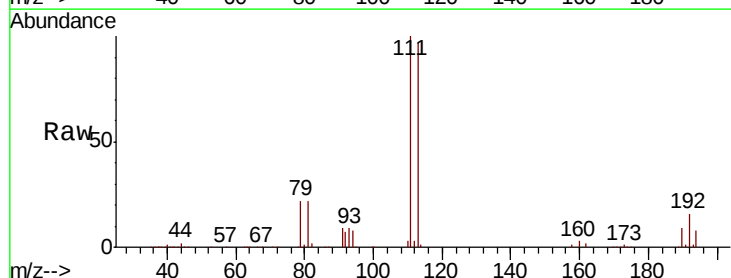
Tgt Ion:113 Resp: 85802

Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.6

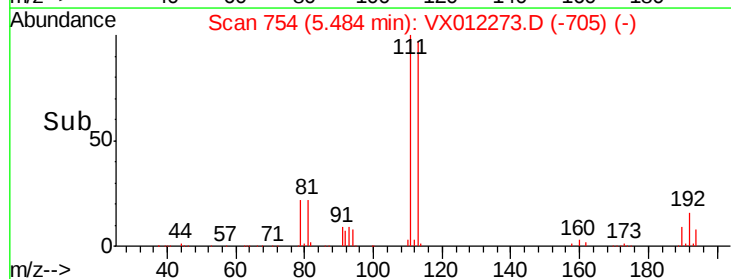
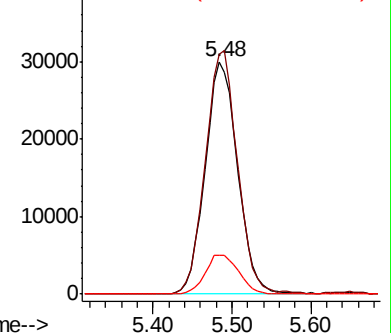
192 17.5 14.3 21.5

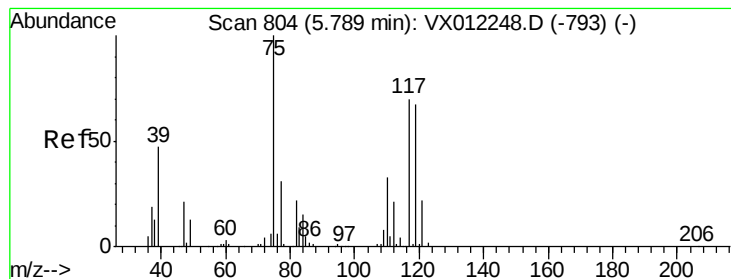


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.513 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampleId :

T-11-A2-(4)

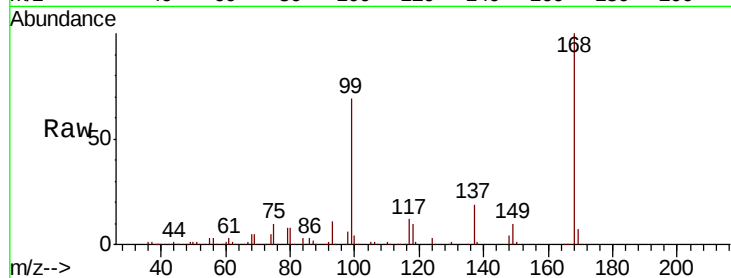
Tgt Ion: 75 Resp: 15474

Ion Ratio Lower Upper

75 100

110 10.5 16.8 50.4#

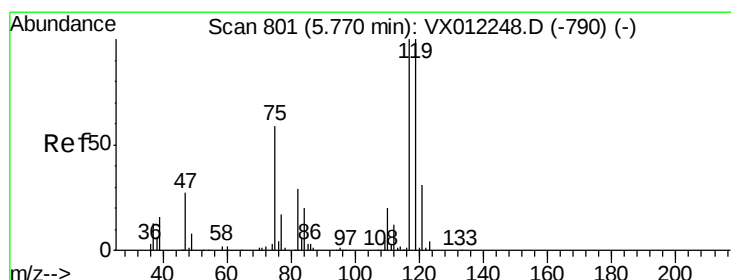
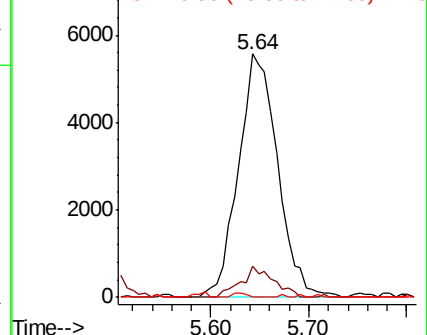
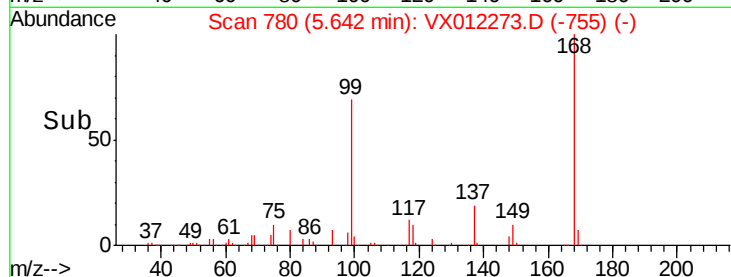
77 0.6 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX012273.D (-755) (-)

Ion 109.90 (109.60 to 110.60): VX012273.D (-755) (-)

Ion 76.90 (76.60 to 77.60): VX012273.D (-755) (-)



#38

Carbon Tetrachloride

Concen: 7.956 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

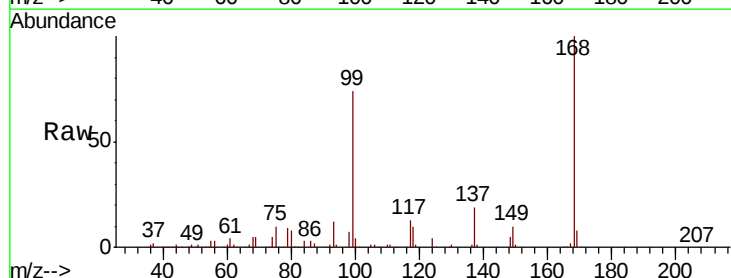
Tgt Ion: 117 Resp: 19226

Ion Ratio Lower Upper

117 100

119 4.3 79.6 119.4#

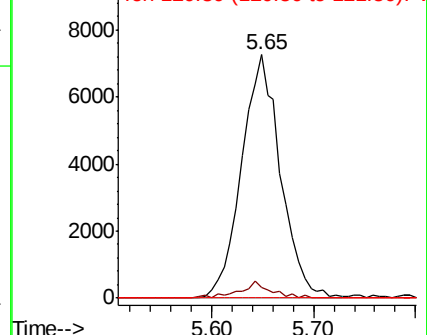
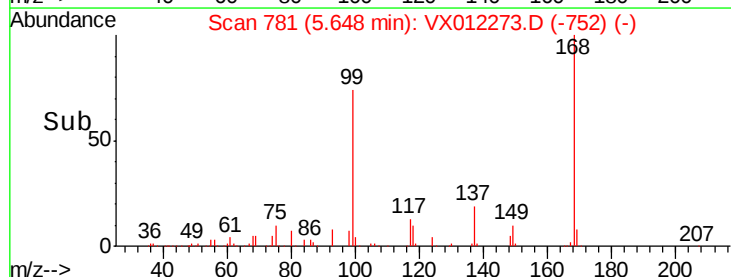
121 0.0 24.7 37.1#

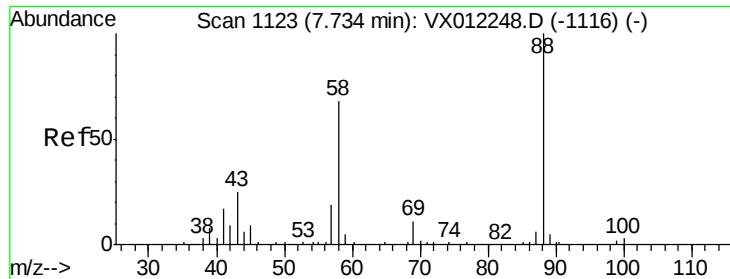


Abundance Ion 116.80 (116.50 to 117.50): VX012273.D (-752) (-)

Ion 118.80 (118.50 to 119.50): VX012273.D (-752) (-)

Ion 120.80 (120.50 to 121.50): VX012273.D (-752) (-)

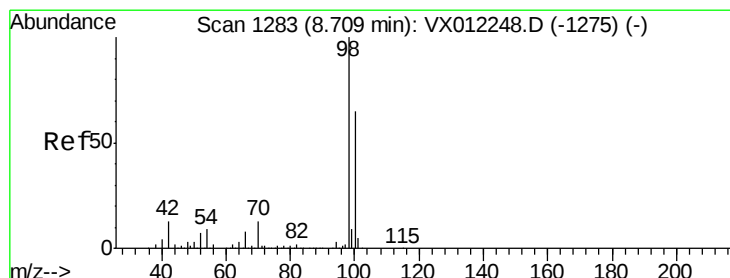
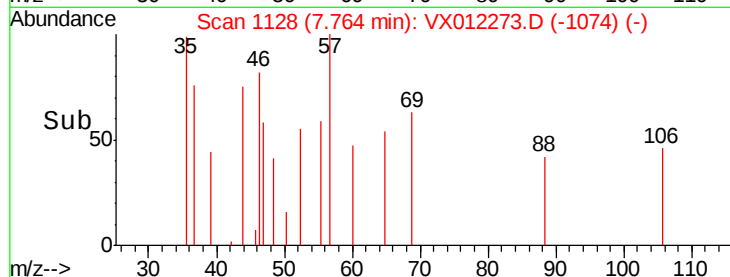
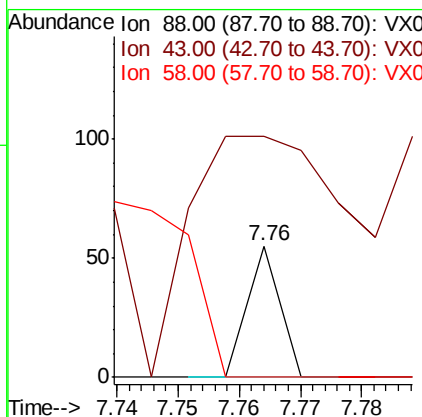
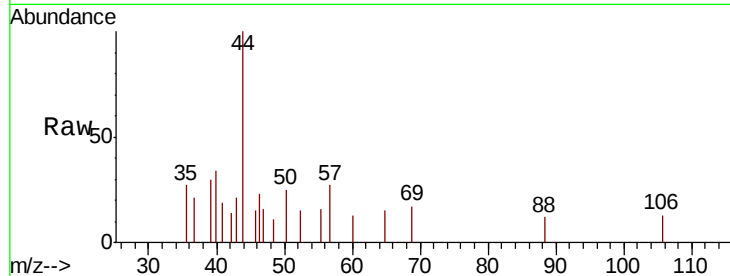




#49
 1,4-Dioxane
 Concen: 1.154 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.03 min
 Lab File: VX012273.D
 Acq: 11 Sep 2019 00:19

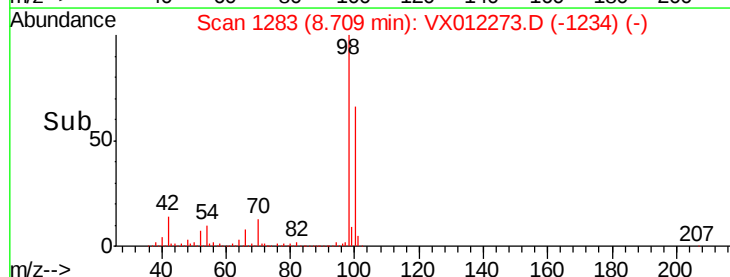
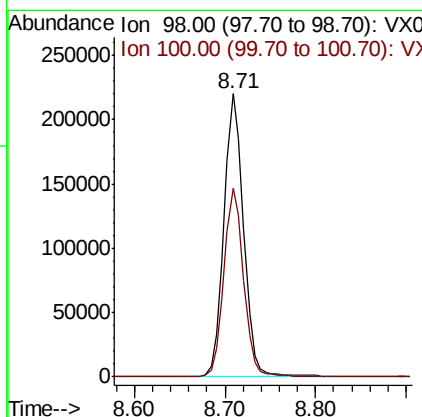
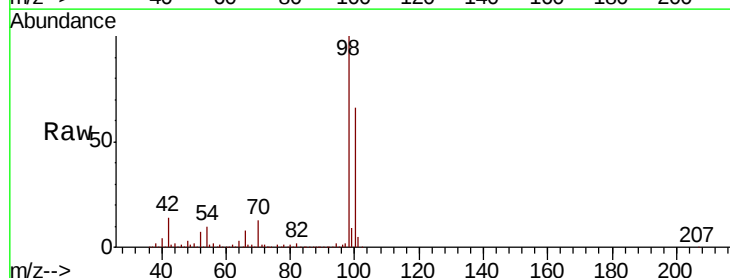
Instrument :
 MSVOA_X
 ClientSampled :
 T-11-A2-(4)

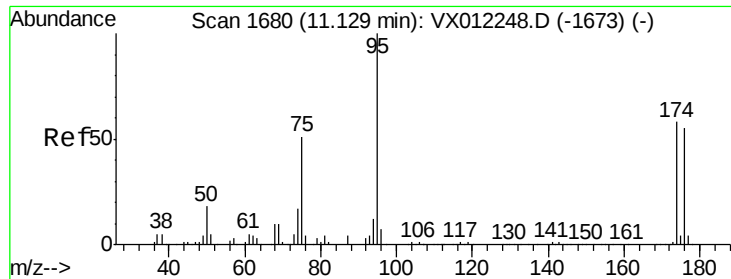
Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 915.0 31.0 46.4#
 58 0.0 61.5 92.3#



#50
 Toluene-d8
 Concen: 52.501 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012273.D
 Acq: 11 Sep 2019 00:19

Tgt Ion: 98 Resp: 333430
 Ion Ratio Lower Upper
 98 100
 100 67.1 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 42.580 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampleId :

T-11-A2-(4)

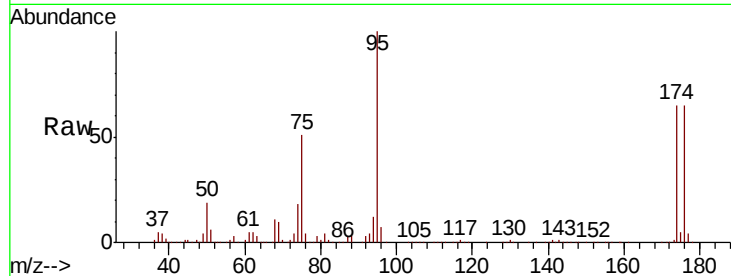
Tgt Ion: 95 Resp: 125369

Ion Ratio Lower Upper

95 100

174 64.7 0.0 127.0

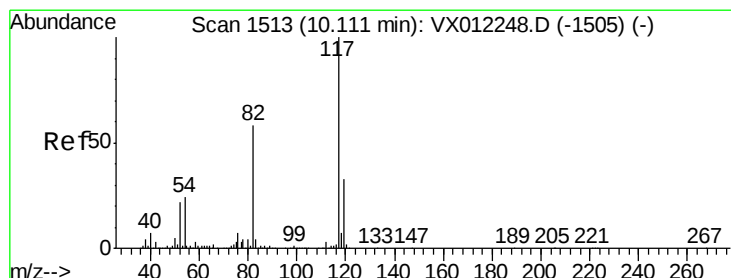
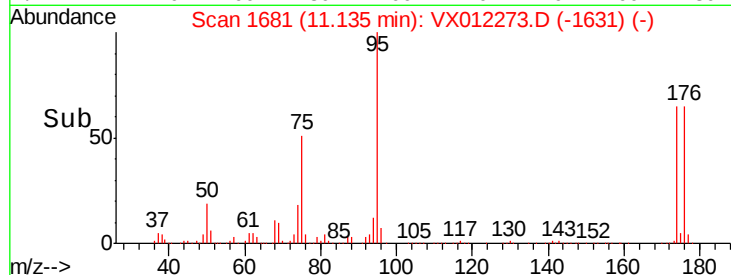
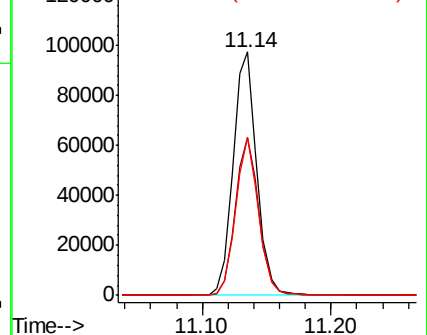
176 62.6 0.0 125.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

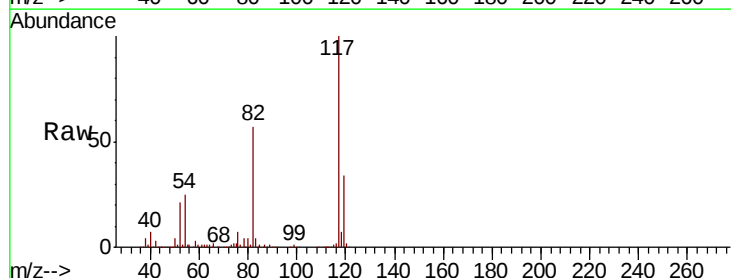
Tgt Ion: 117 Resp: 243075

Ion Ratio Lower Upper

117 100

82 57.0 46.4 69.6

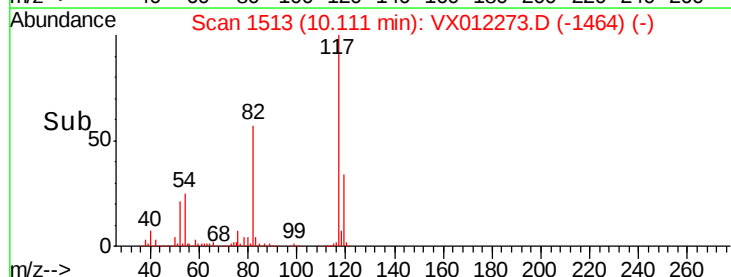
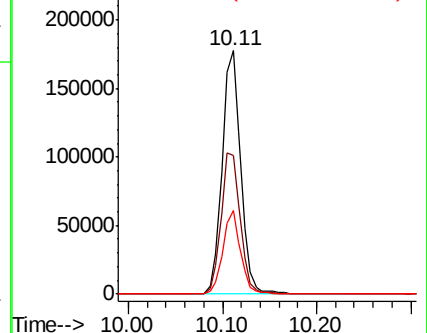
119 34.1 26.6 39.8

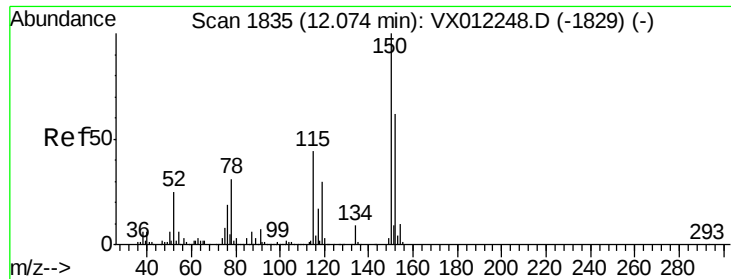


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampleId :

T-11-A2-(4)

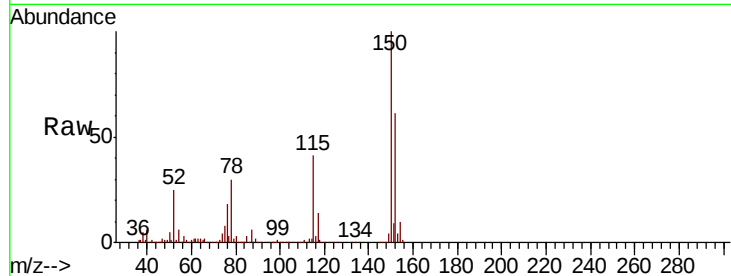
Tgt Ion:152 Resp: 96017

Ion Ratio Lower Upper

152 100

115 66.8 45.5 136.4

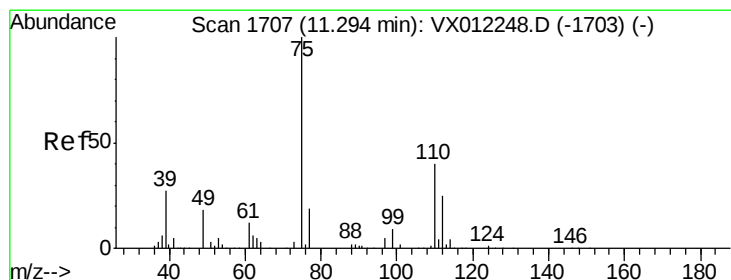
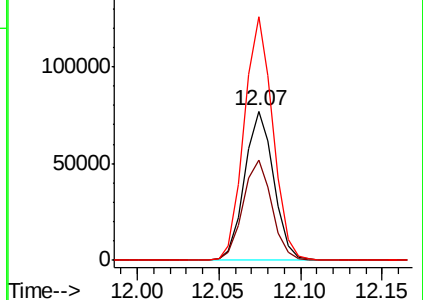
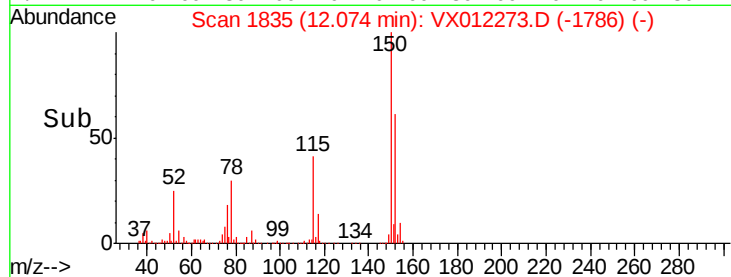
150 161.5 0.0 346.4



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: 53.683 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012273.D

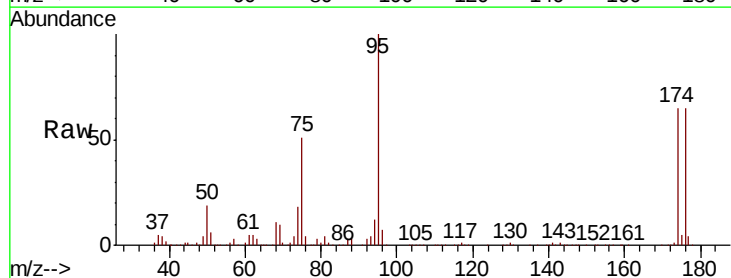
Acq: 11 Sep 2019 00:19

Tgt Ion: 75 Resp: 66217

Ion Ratio Lower Upper

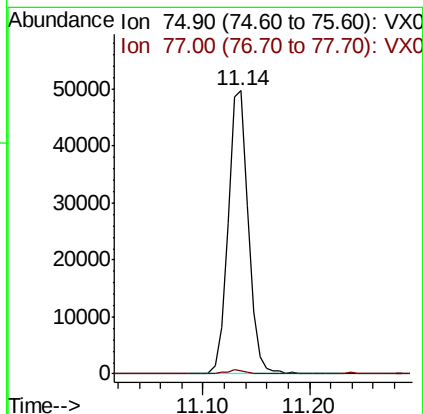
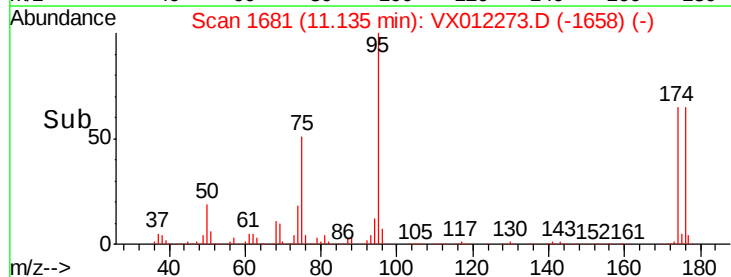
75 100

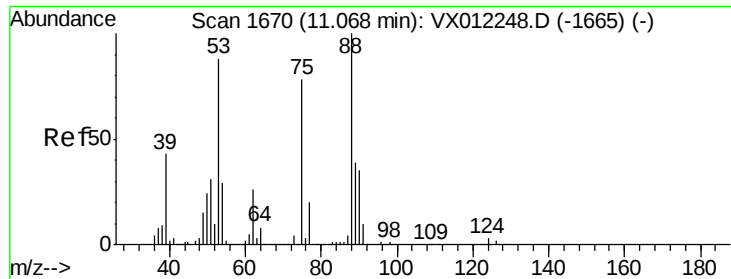
77 1.3 19.7 59.0#



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: 160.847 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012273.D

Acq: 11 Sep 2019 00:19

Instrument :

MSVOA_X

ClientSampleId :

T-11-A2-(4)

Tgt Ion: 75 Resp: 66217

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#

