

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012148.D
 Acq On : 06 Sep 2019 15:14
 Operator : SY/SP
 Sample : K4601-05
 Misc : 4.97g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E4-(0)

Quant Time: Sep 07 01:14:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	144113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82961	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	103453	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
35) Dibromofluoromethane	5.48	113	76536	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	8.71	98	297261	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	109766	41.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.46%	

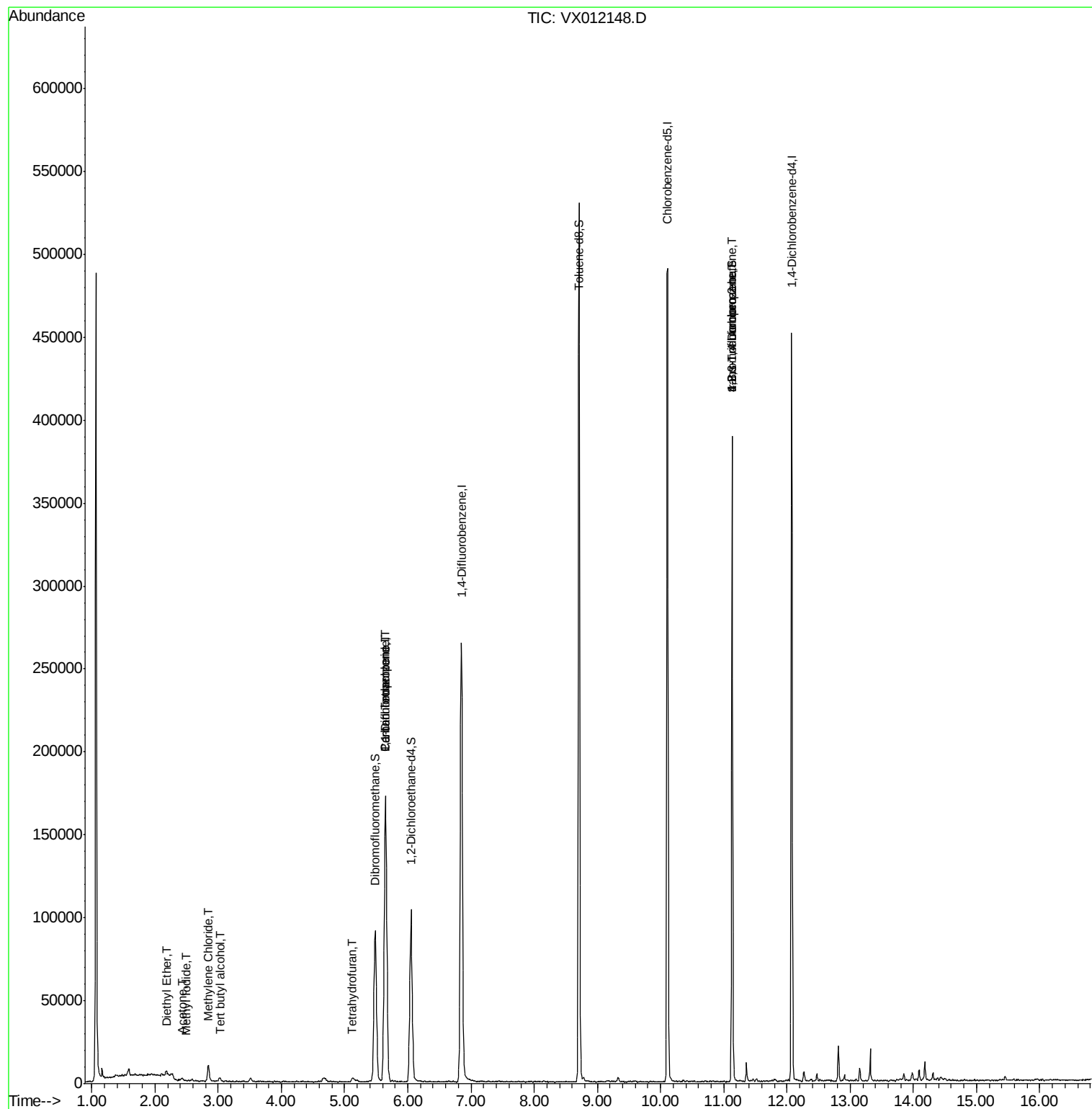
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	776	1.129	ug/l	87
10) Methyl Iodide	2.50	142	116	7.055	ug/l #	59
11) Tert butyl alcohol	3.03	59	2373	12.425	ug/l #	87
13) Acrolein	2.26	56	306	Below Cal	#	52
16) Acetone	2.43	43	2295	4.829	ug/l #	87
20) Methylene Chloride	2.84	84	4765	2.497	ug/l	96
29) Tetrahydrofuran	5.12	42	2231	6.120	ug/l	93
36) 1,1-Dichloropropene	5.64	75	13269	5.938	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17391	7.386	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	57215	56.444	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57215	133.443	ug/l #	10

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

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Quant Time: Sep 07 01:14:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
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: VX012148.D

Acq: 06 Sep 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

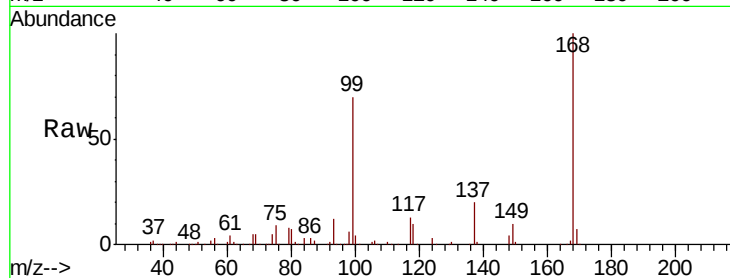
T12-E4-(0)

Tgt Ion:168 Resp: 144113

Ion Ratio Lower Upper

168 100

99 69.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012021.D (-768) (-)

Ion 98.90 (98.60 to 99.60): VX012021.D (-768) (-)

5.65

60000

50000

40000

30000

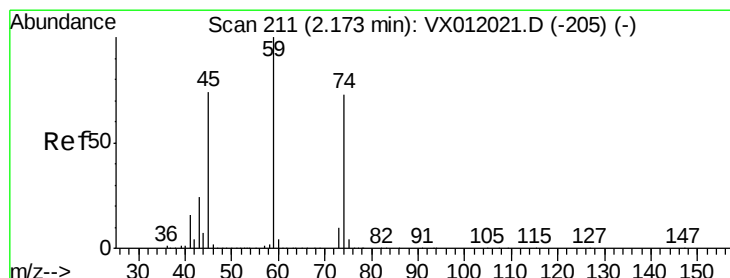
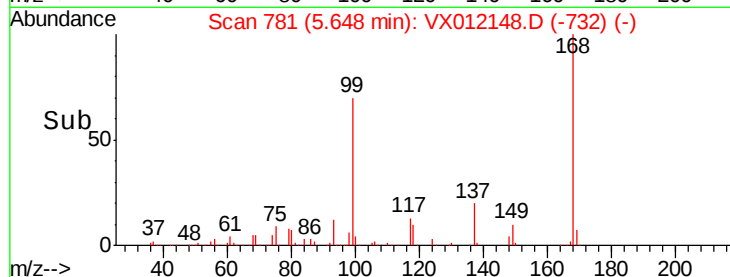
20000

10000

0

Time-->

5.50 5.60 5.70



#8

Diethyl Ether

Concen: 1.129 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012148.D

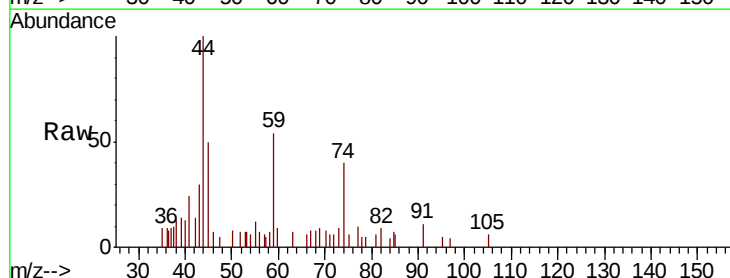
Acq: 06 Sep 2019 15:14

Tgt Ion: 74 Resp: 776

Ion Ratio Lower Upper

74 100

45 103.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX012021.D (-205) (-)

Ion 45.00 (44.70 to 45.70): VX012021.D (-205) (-)

2.18

600

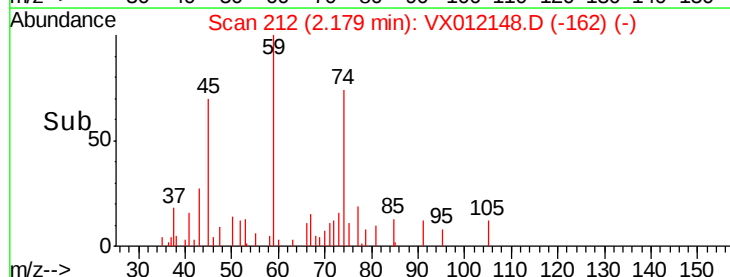
400

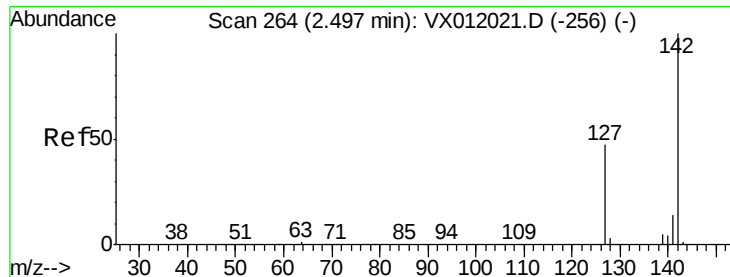
200

0

Time-->

2.15 2.20

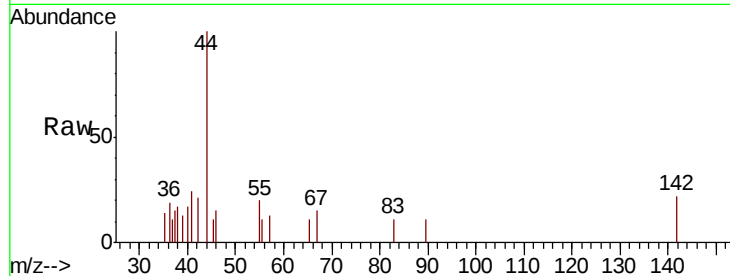




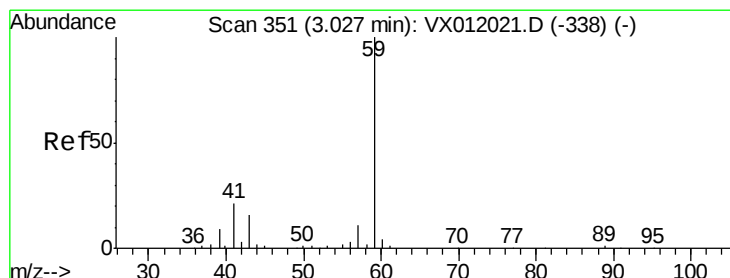
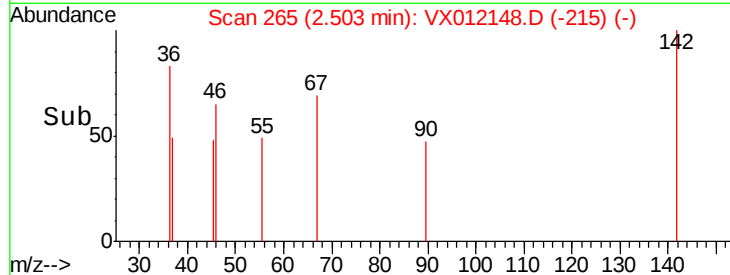
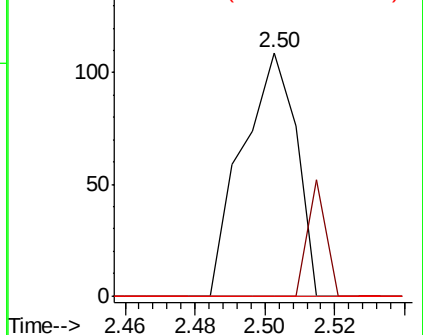
#10
Methyl Iodide
Concen: 7.055 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
T12-E4-(0)

Tgt Ion: 142 Resp: 116
Ion Ratio Lower Upper
142 100
127 16.4 35.4 53.2#
141 0.0 11.4 17.2#

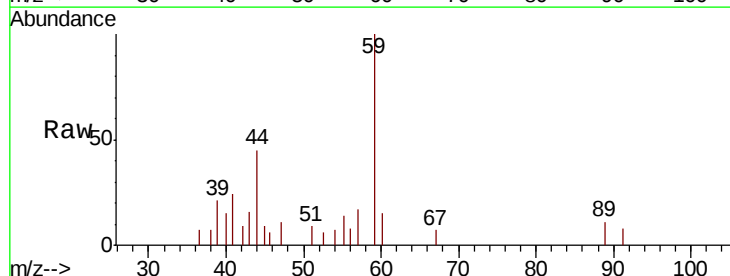


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

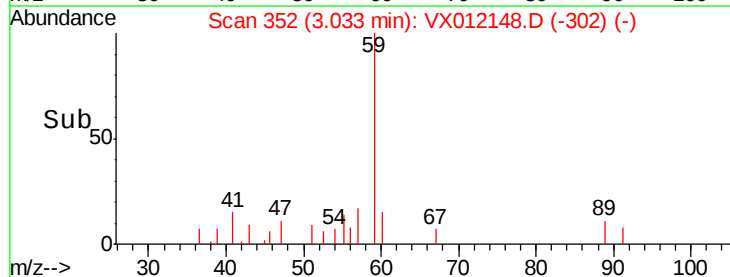
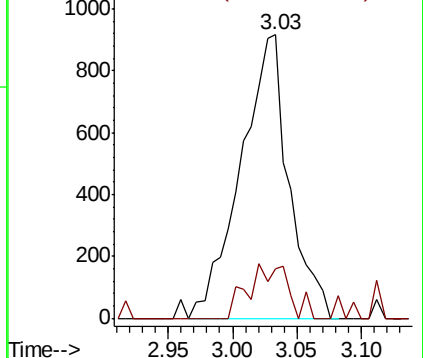


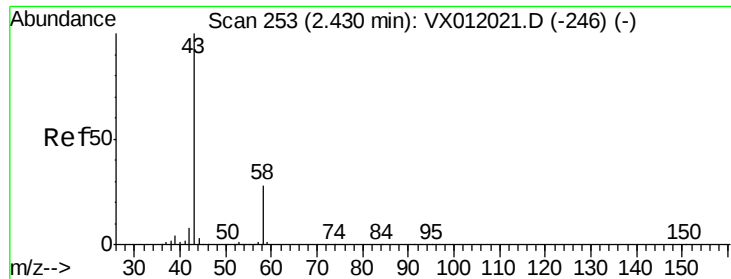
#11
Tert butyl alcohol
Concen: 12.425 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

Tgt Ion: 59 Resp: 2373
Ion Ratio Lower Upper
59 100
57 14.6 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.829 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

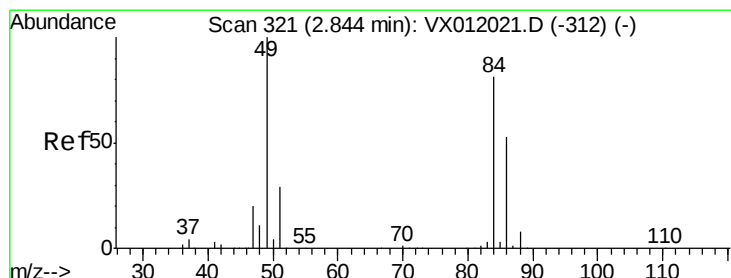
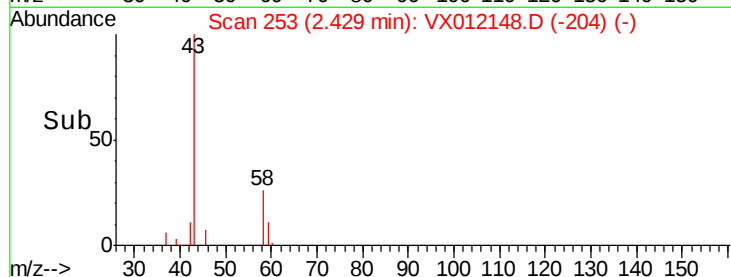
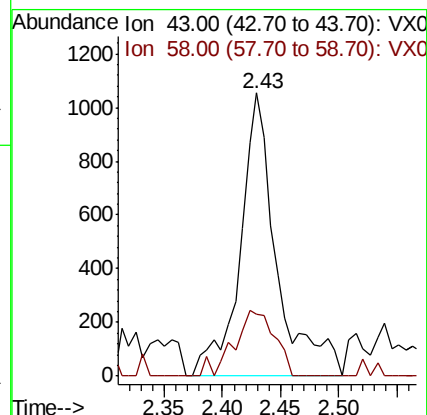
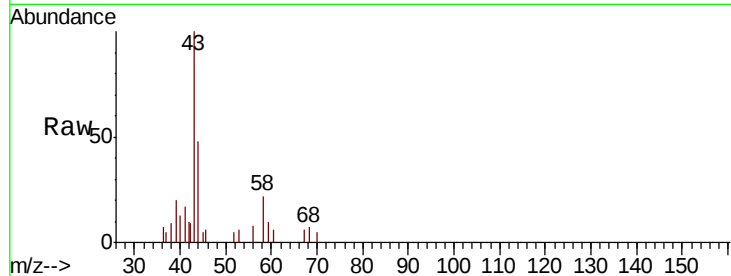
T12-E4-(0)

Tgt Ion: 43 Resp: 2295

Ion Ratio Lower Upper

43 100

58 21.8 22.8 34.2#



#20

Methylene Chloride

Concen: 2.497 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

Tgt Ion: 84 Resp: 4765

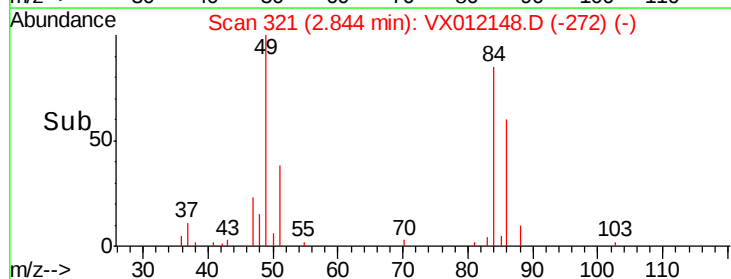
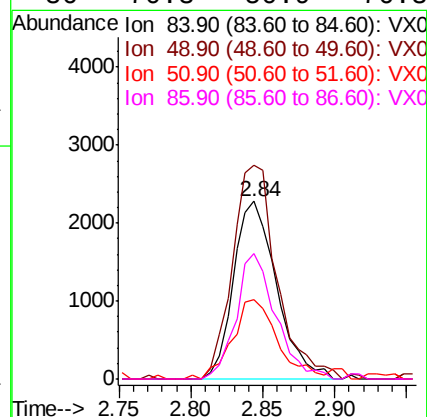
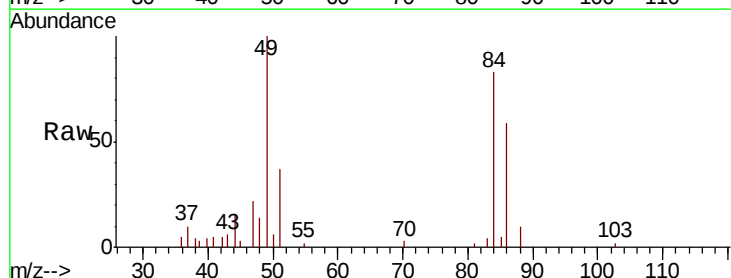
Ion Ratio Lower Upper

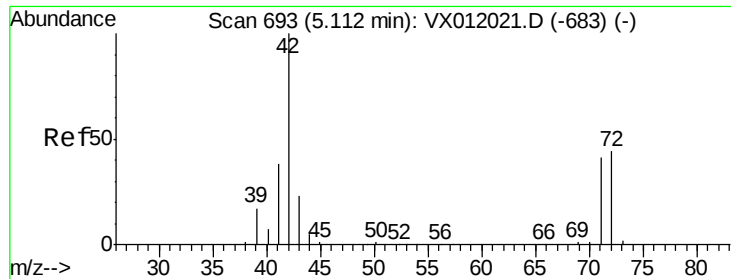
84 100

49 120.2 95.8 143.8

51 42.1 28.6 43.0

86 70.3 50.9 76.3

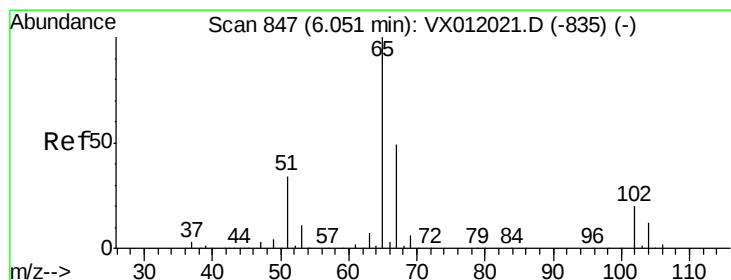
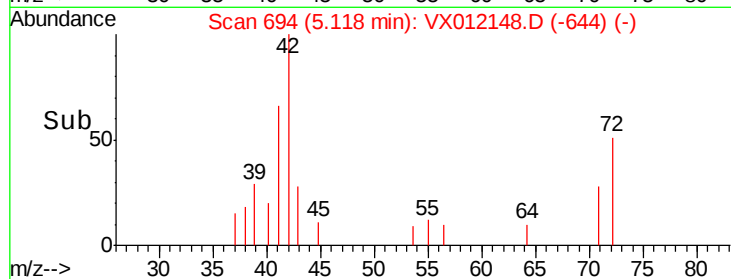
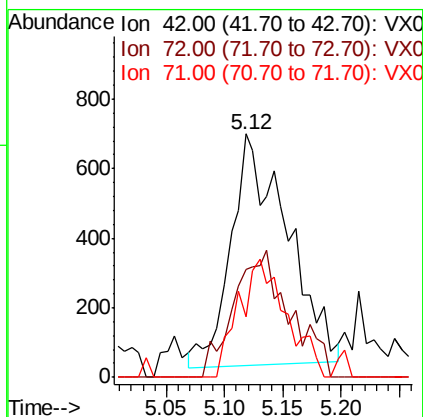
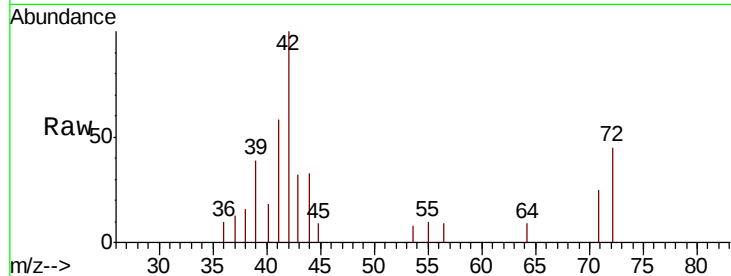




#29
Tetrahydrofuran
Concen: 6.120 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

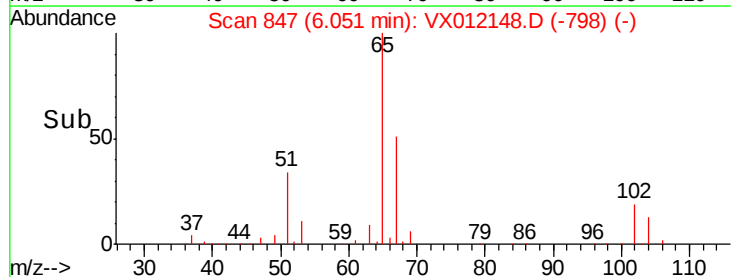
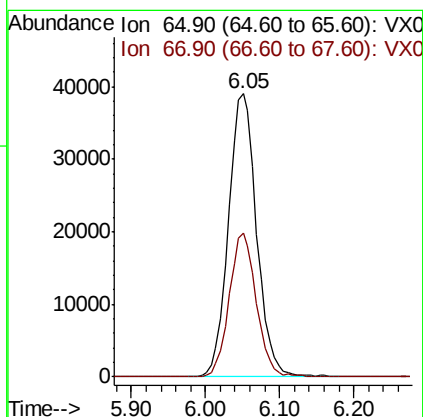
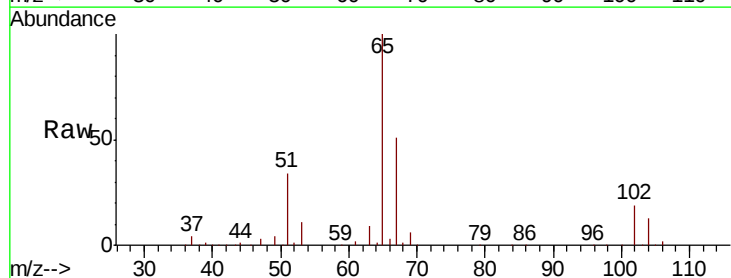
Instrument :
MSVOA_X
ClientSampleId :
T12-E4-(0)

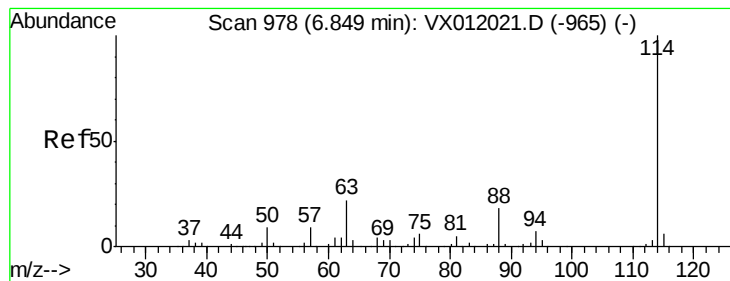
Tgt Ion: 42 Resp: 2231
Ion Ratio Lower Upper
42 100
72 54.6 37.0 55.4
71 43.2 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 52.026 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

Tgt Ion: 65 Resp: 103453
Ion Ratio Lower Upper
65 100
67 48.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

T12-E4-(0)

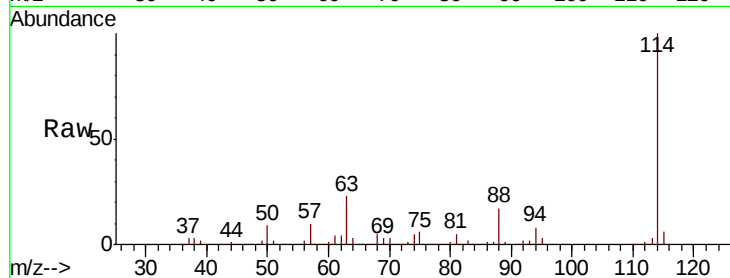
Tgt Ion:114 Resp: 253694

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.4

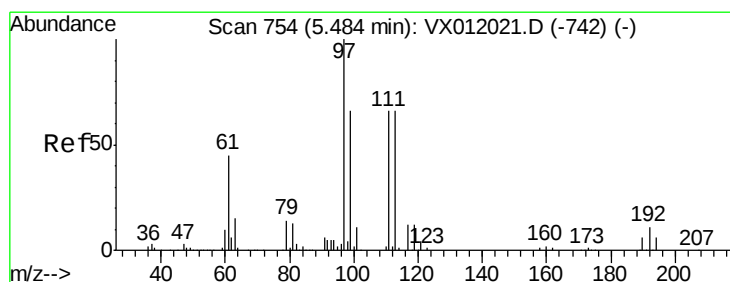
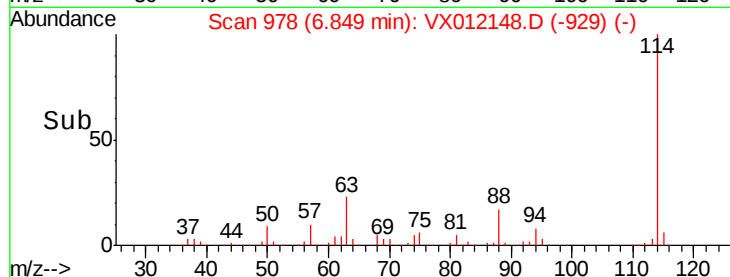
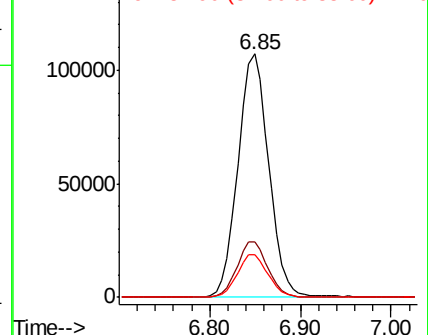
88 17.4 0.0 29.6



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: 49.057 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

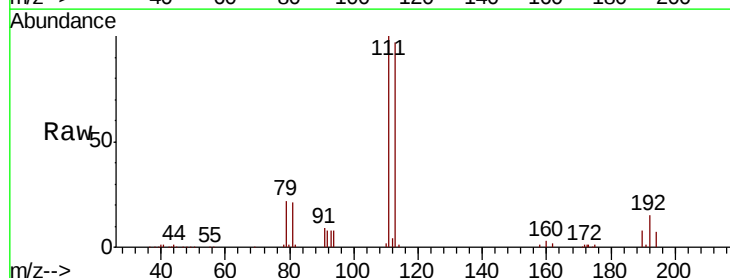
Tgt Ion:113 Resp: 76536

Ion Ratio Lower Upper

113 100

111 103.0 81.7 122.5

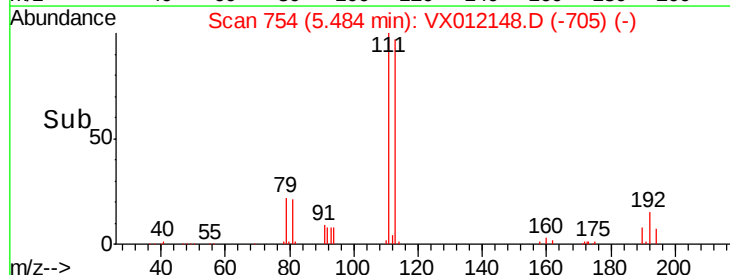
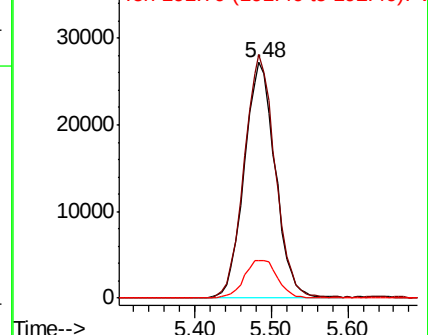
192 17.0 22.5 33.7#

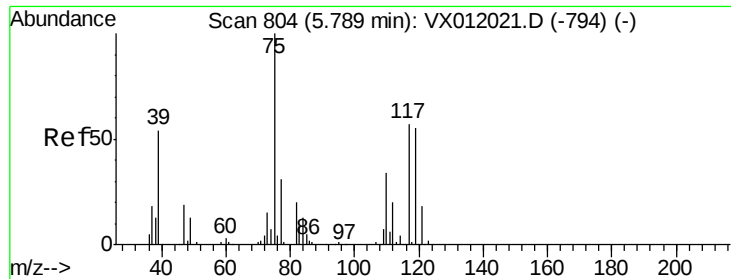


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.938 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

T12-E4-(0)

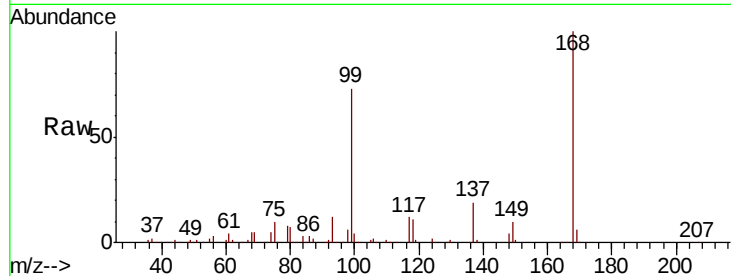
Tgt Ion: 75 Resp: 13269

Ion Ratio Lower Upper

75 100

110 11.4 19.5 58.5#

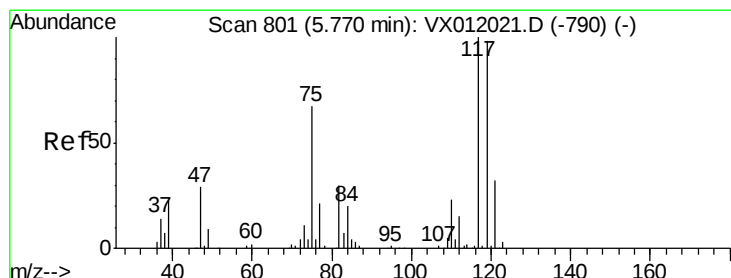
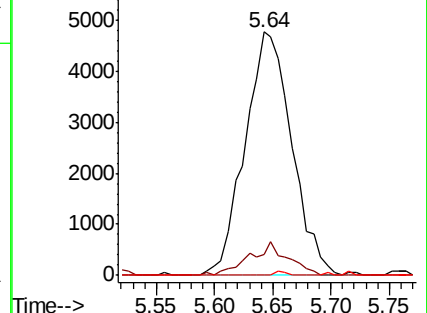
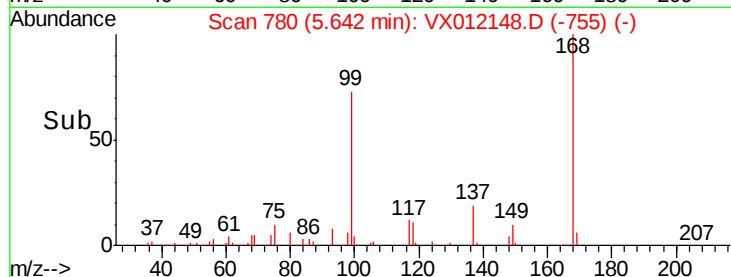
77 0.4 24.6 37.0#



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: 7.386 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012148.D

Acq: 06 Sep 2019 15:14

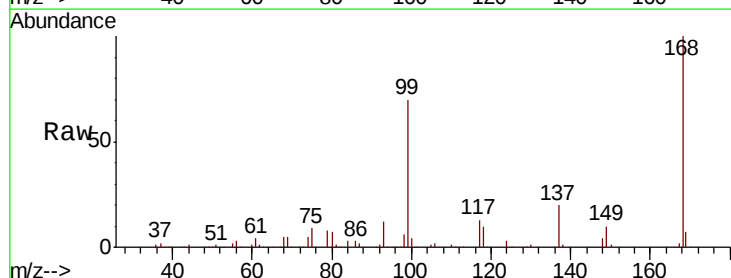
Tgt Ion: 117 Resp: 17391

Ion Ratio Lower Upper

117 100

119 3.1 78.3 117.5#

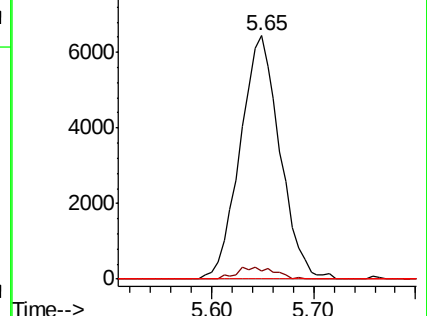
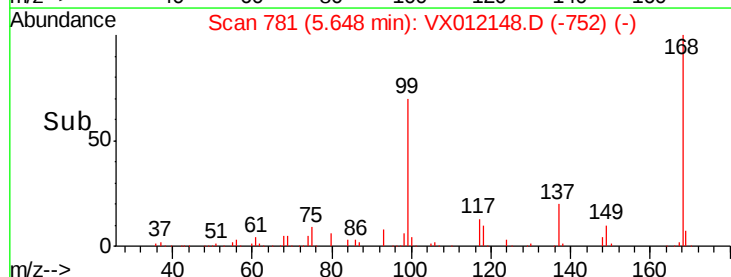
121 0.0 24.2 36.2#

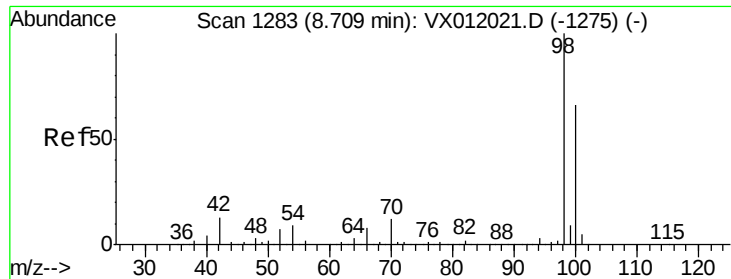


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

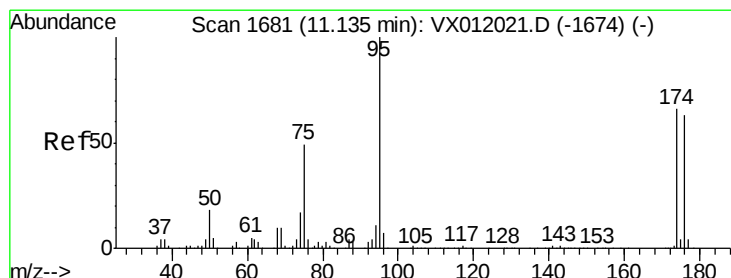
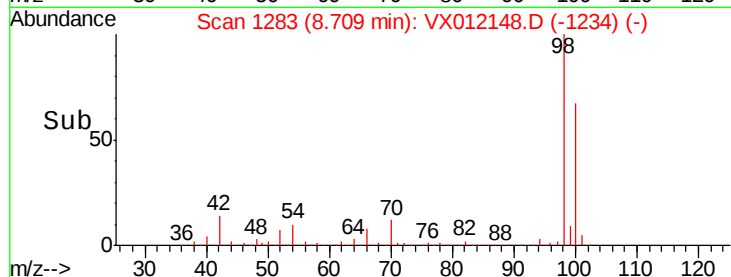
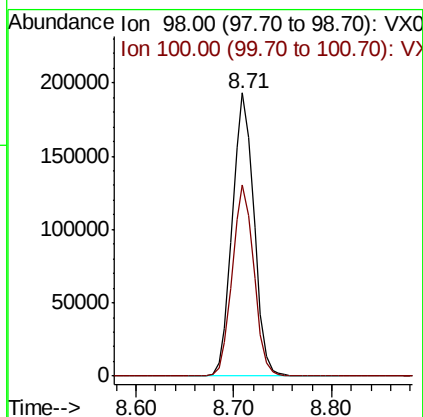
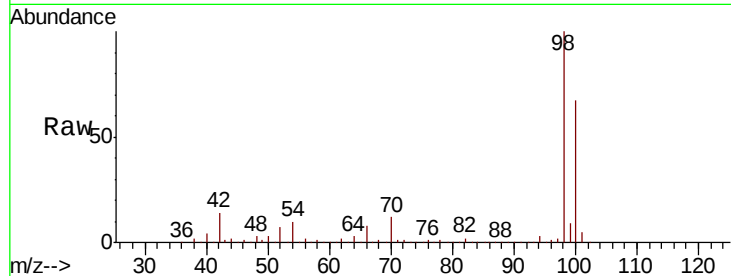




#50
Toluene-d8
Concen: 51.923 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

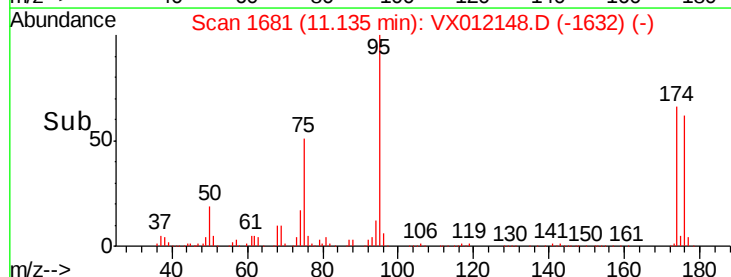
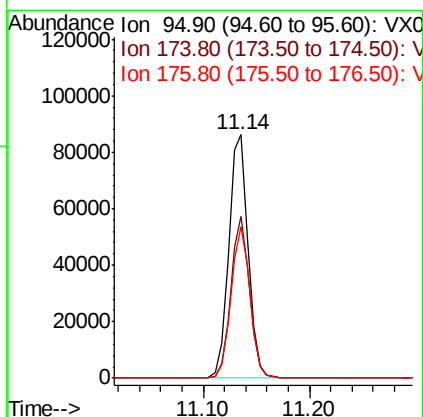
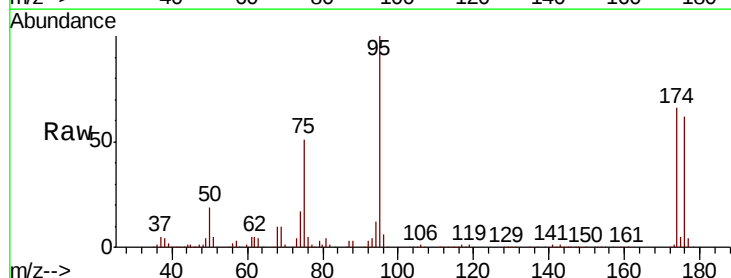
Instrument :
MSVOA_X
ClientSampleId :
T12-E4-(0)

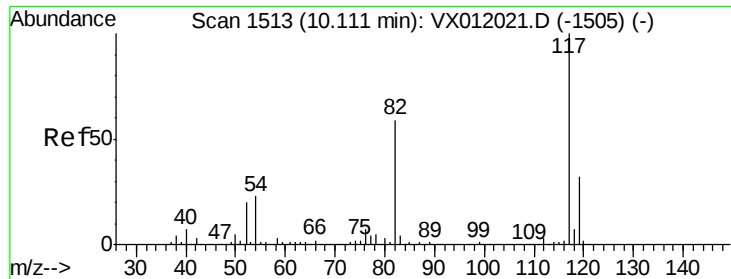
Tgt Ion: 98 Resp: 297261
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 41.227 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

Tgt Ion: 95 Resp: 109766
Ion Ratio Lower Upper
95 100
174 64.2 0.0 205.4
176 61.1 0.0 201.8

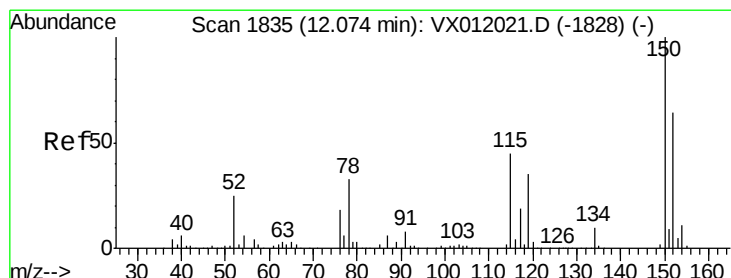
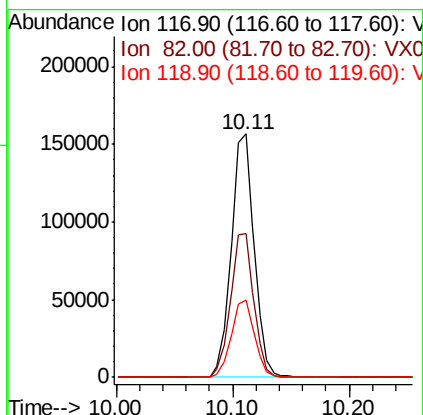
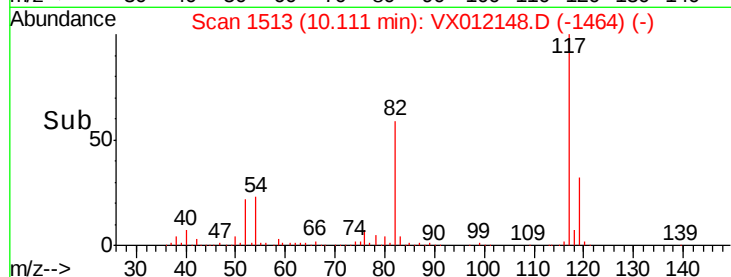
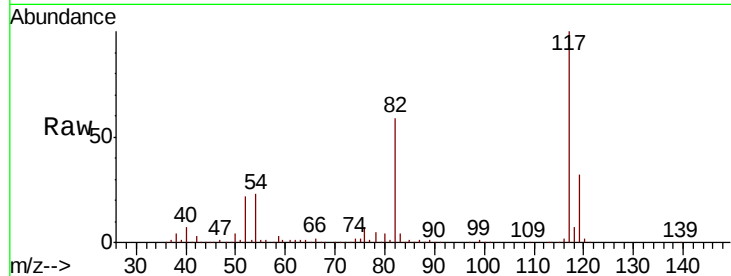




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

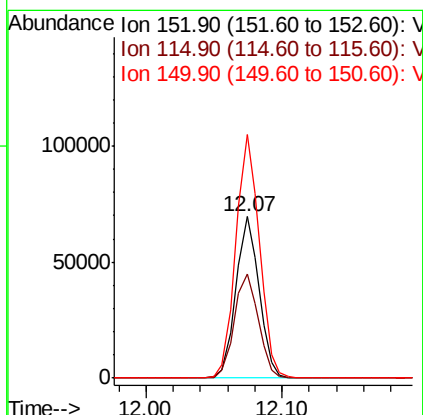
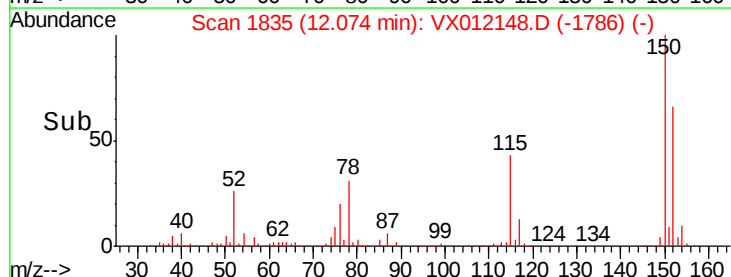
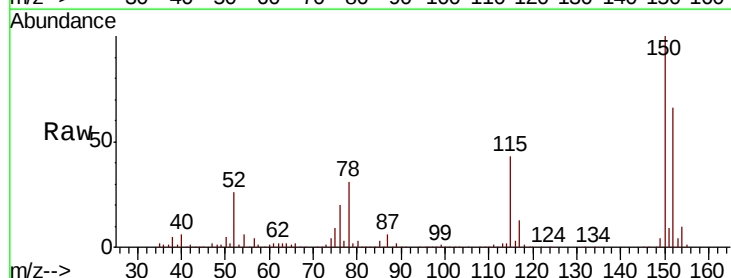
Instrument :
MSVOA_X
ClientSampleId :
T12-E4-(0)

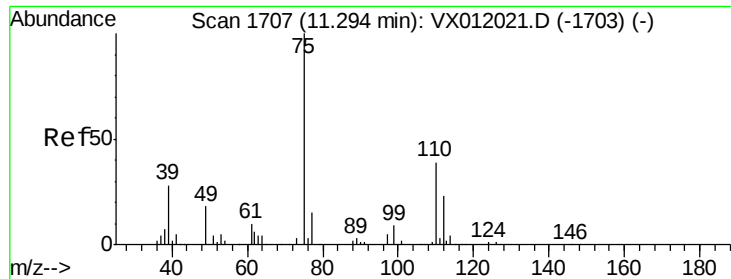
Tgt Ion:117 Resp: 215127
Ion Ratio Lower Upper
117 100
82 59.0 39.4 59.0
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012148.D
Acq: 06 Sep 2019 15:14

Tgt Ion:152 Resp: 82961
Ion Ratio Lower Upper
152 100
115 66.2 36.4 109.3
150 152.6 0.0 341.2

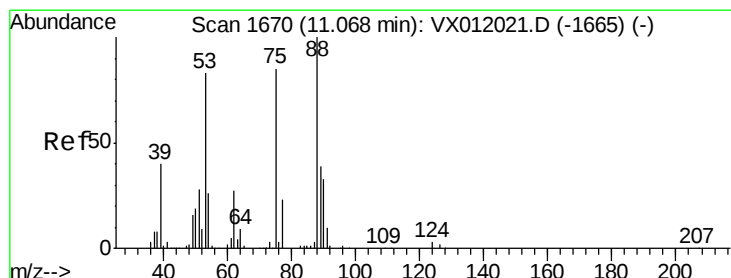
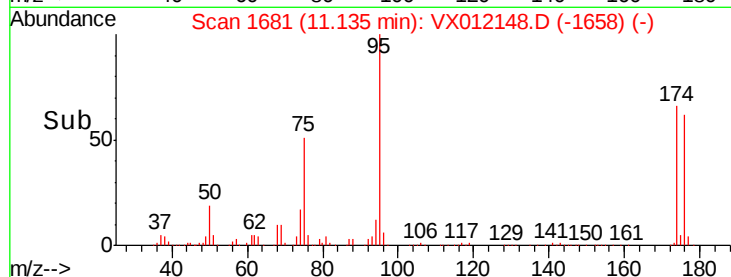
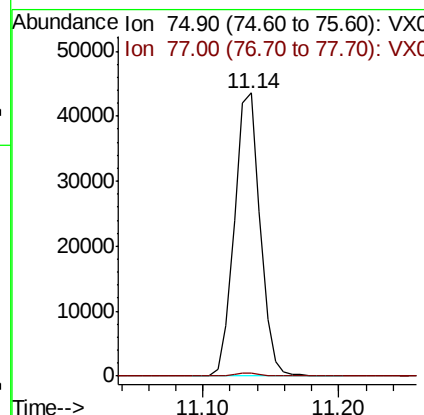
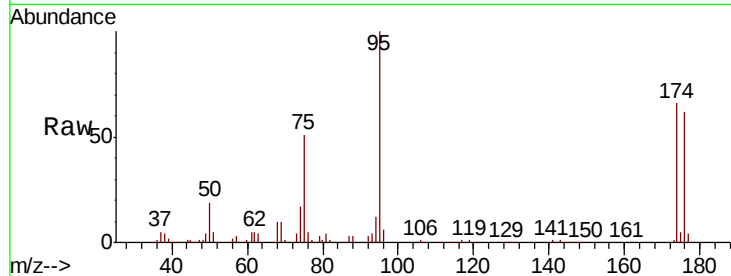




#76
 1,2,3-Trichloropropane
 Concen: 56.444 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012148.D
 Acq: 06 Sep 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E4-(0)

Tgt Ion: 75 Resp: 57215
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.443 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012148.D
 Acq: 06 Sep 2019 15:14

Tgt Ion: 75 Resp: 57215
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

