

Data File : VX012175.D
Acq On : 07 Sep 2019 14:43
Operator : SY/SP
Sample : K4602-03
Misc : 4.36g/5.0mL/MSVOA_X/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T12-G4-(0)

Quant Time: Sep 08 07:42:08 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	153709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100186	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	106180	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	5.48	113	80314	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.71	98	315602	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.14	95	127313	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

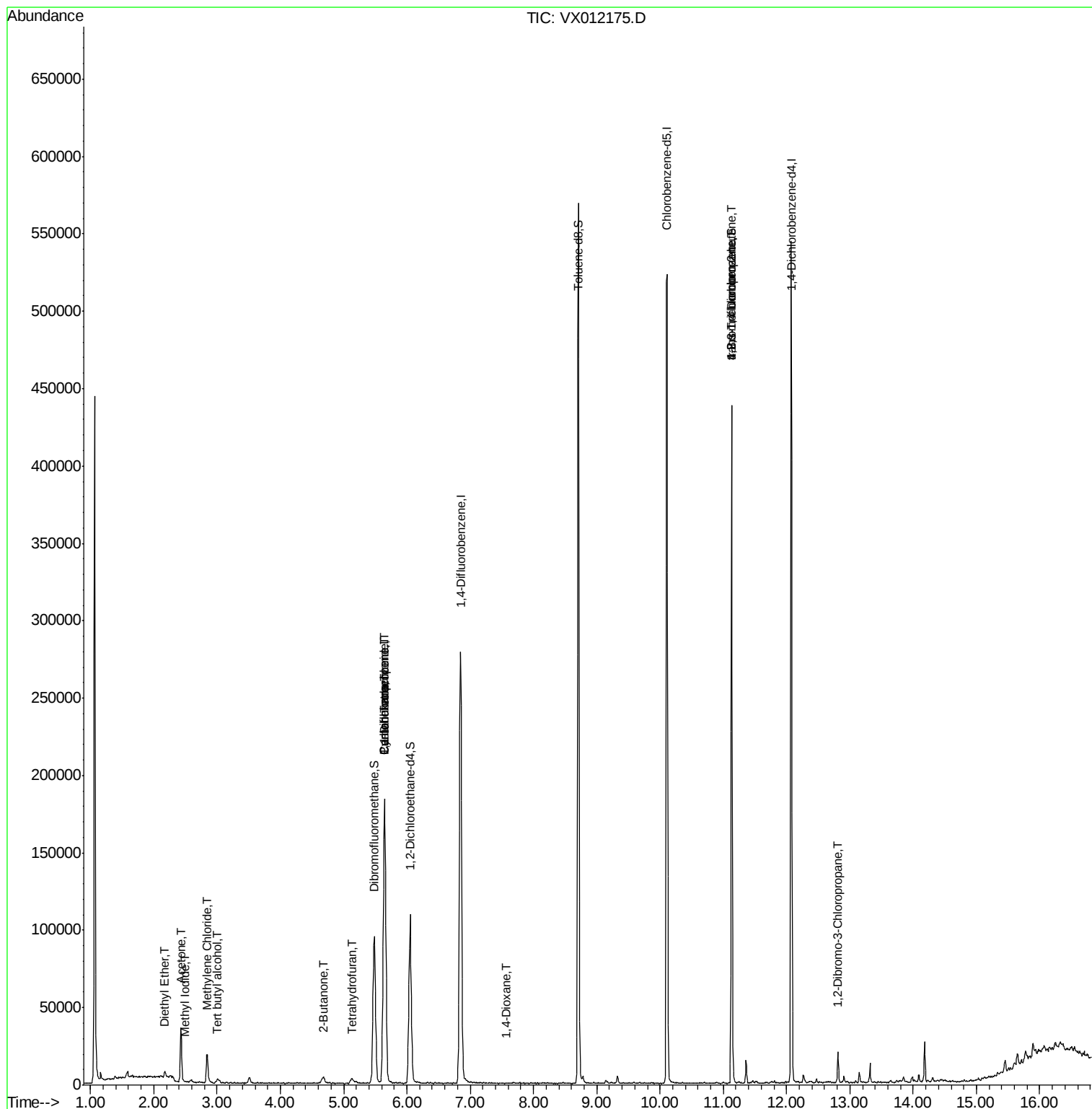
Target Compounds			Qvalue			
8) Diethyl Ether	2.17	74	1204	1.642	ug/l	94
10) Methyl Iodide	2.50	142	216	7.105	ug/l #	90
11) Tert butyl alcohol	3.01	59	2861	14.044	ug/l #	85
13) Acrolein	2.27	56	150	Below Cal	#	12
16) Acetone	2.43	43	37015	73.017	ug/l	96
20) Methylene Chloride	2.84	84	8919	4.381	ug/l	92
25) 2-Butanone	4.69	43	1422	2.204	ug/l #	48
29) Tetrahydrofuran	5.12	42	3121	8.028	ug/l	99
31) Cyclohexane	5.64	56	4147	1.595	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14767	6.239	ug/l #	50
38) Carbon Tetrachloride	5.64	117	18473	7.406	ug/l #	14
49) 1,4-Dioxane	7.56	88	19	1.059	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65605	53.594	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	65605	126.704	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	766	2.389	ug/l #	1

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

Data File : VX012175.D
Acq On : 07 Sep 2019 14:43
Operator : SY/SP
Sample : K4602-03
Misc : 4.36g/5.0mL/MSVOA_X/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T12-G4-(0)

Quant Time: Sep 08 07:42:08 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

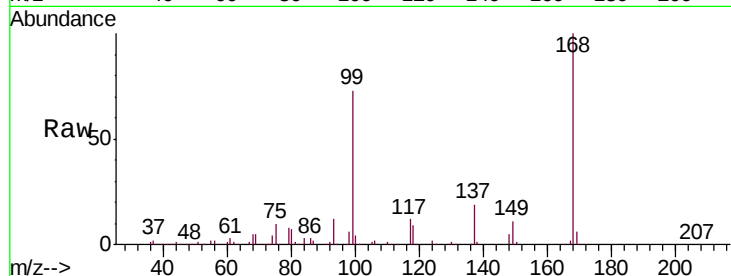
T12-G4-(0)

Tgt Ion:168 Resp: 153709

Ion Ratio Lower Upper

168 100

99 72.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

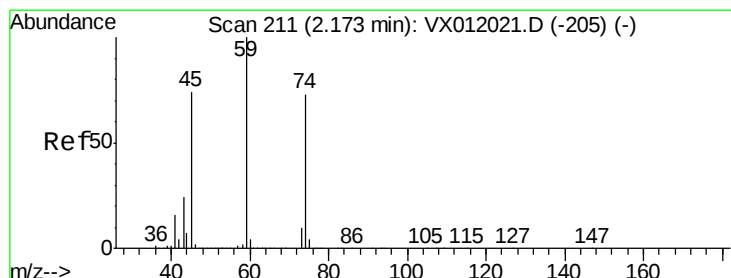
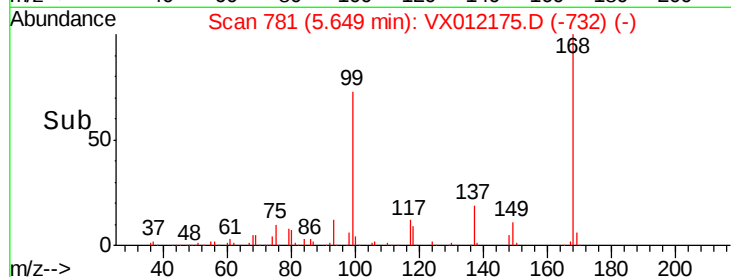
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.642 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012175.D

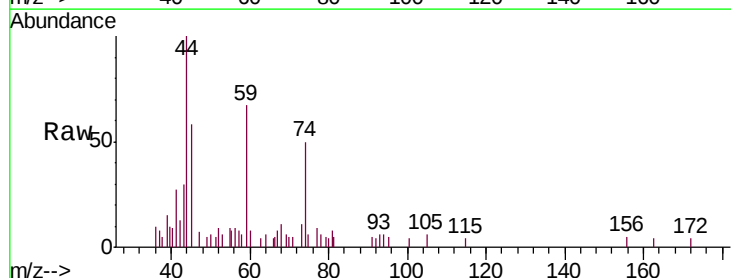
Acq: 07 Sep 2019 14:43

Tgt Ion: 74 Resp: 1204

Ion Ratio Lower Upper

74 100

45 86.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

800

600

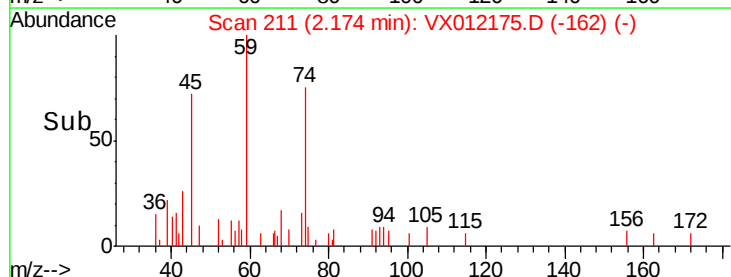
400

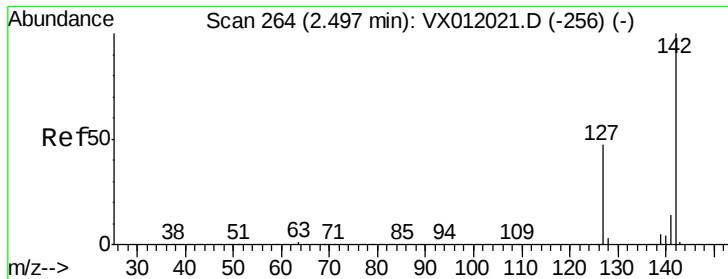
200

0

Time-->

2.10 2.15 2.20

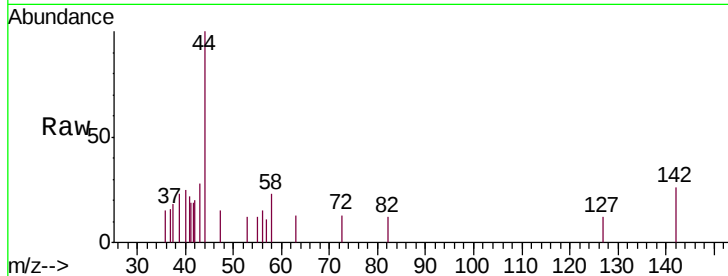




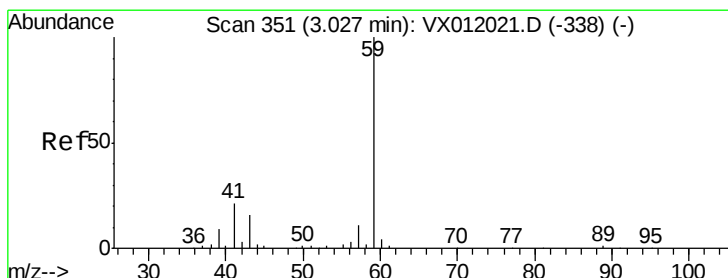
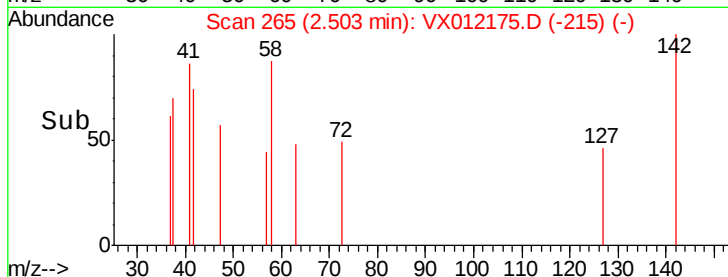
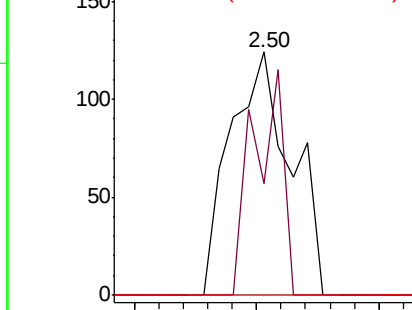
#10
Methyl Iodide
Concen: 7.105 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012175.D
Acq: 07 Sep 2019 14:43

Instrument :
MSVOA_X
ClientSampleId :
T12-G4-(0)

Tgt Ion: 142 Resp: 216
Ion Ratio Lower Upper
142 100
127 45.4 35.4 53.2
141 0.0 11.4 17.2#

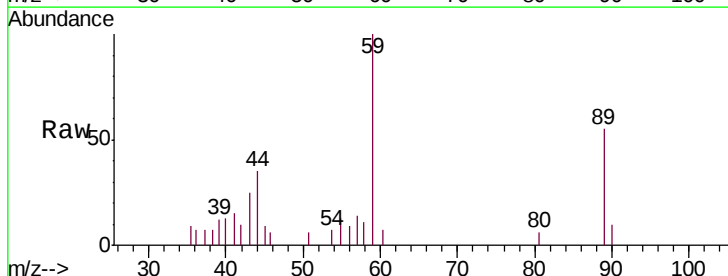


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

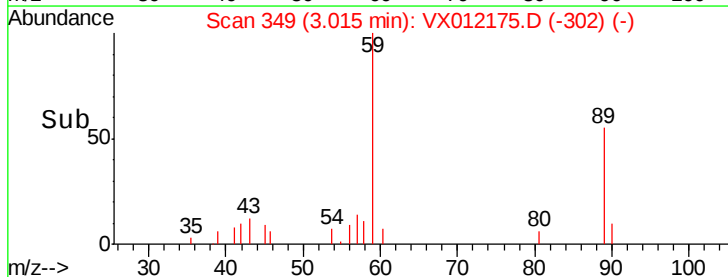
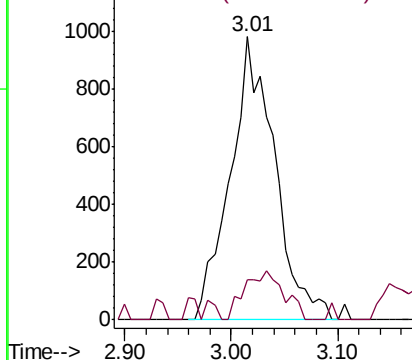


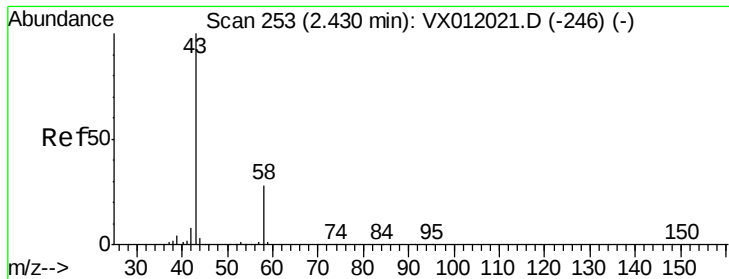
#11
Tert butyl alcohol
Concen: 14.044 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX012175.D
Acq: 07 Sep 2019 14:43

Tgt Ion: 59 Resp: 2861
Ion Ratio Lower Upper
59 100
57 15.5 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: 73.017 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

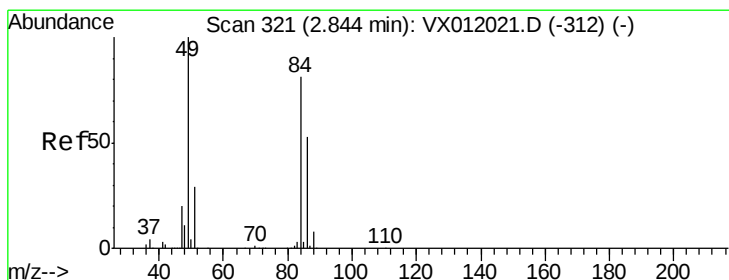
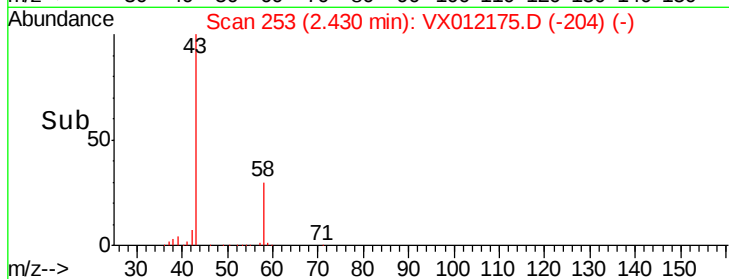
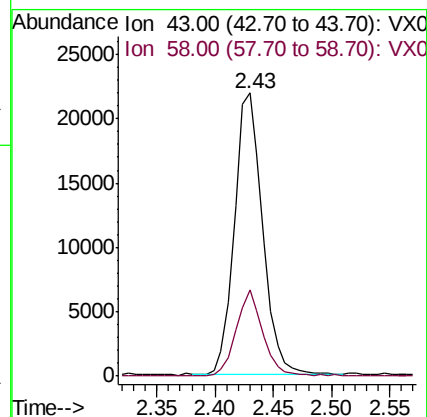
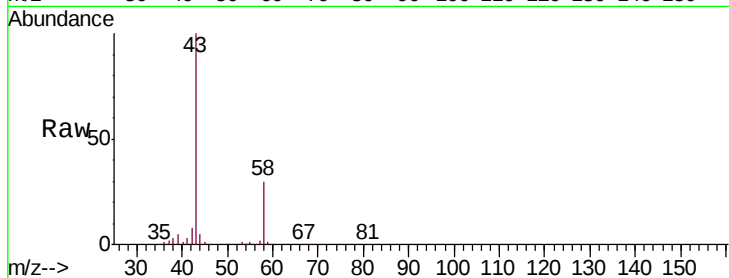
T12-G4-(0)

Tgt Ion: 43 Resp: 37015

Ion Ratio Lower Upper

43 100

58 30.5 22.8 34.2



#20

Methylene Chloride

Concen: 4.381 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Tgt Ion: 84 Resp: 8919

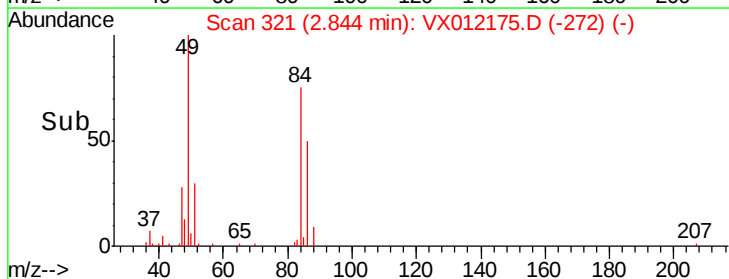
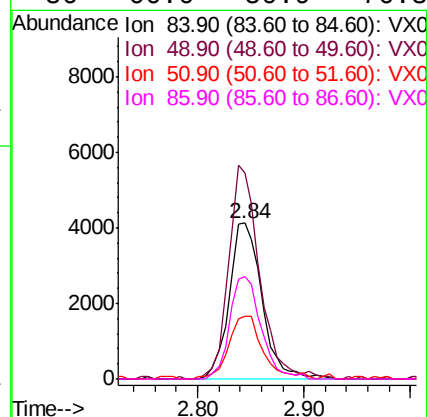
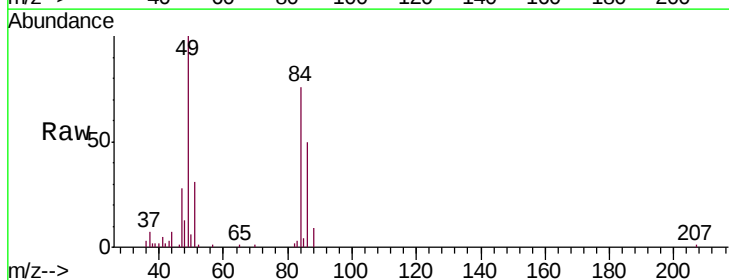
Ion Ratio Lower Upper

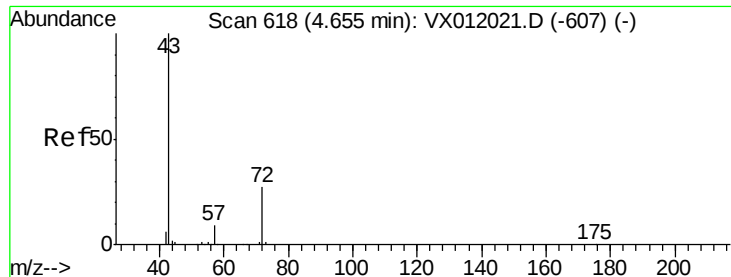
84 100

49 132.2 95.8 143.8

51 40.7 28.6 43.0

86 66.0 50.9 76.3





#25

2-Butanone

Concen: 2.204 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampled :

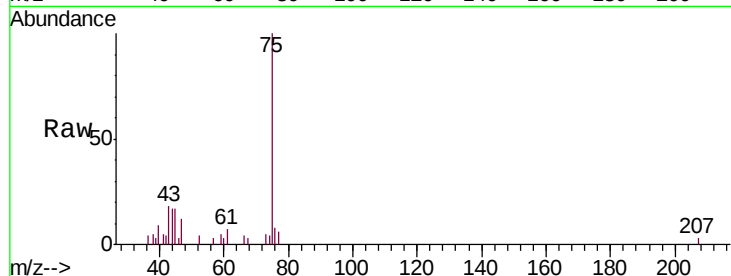
T12-G4-(0)

Tgt Ion: 43 Resp: 1422

Ion Ratio Lower Upper

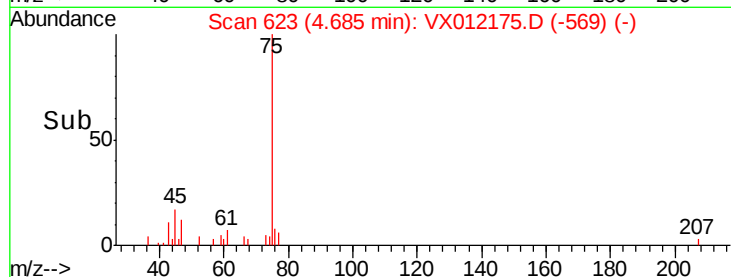
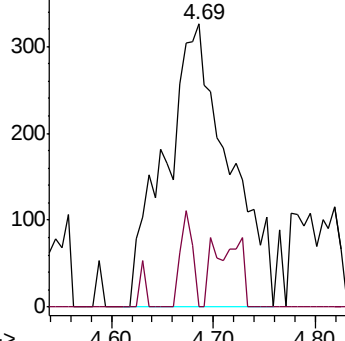
43 100

72 0.0 21.3 31.9#

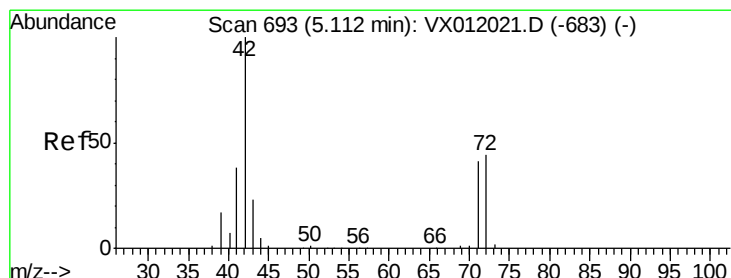


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 8.028 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

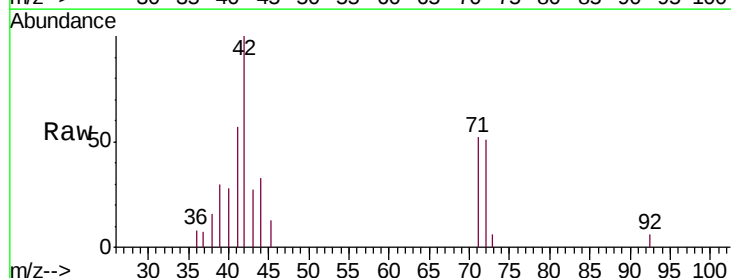
Tgt Ion: 42 Resp: 3121

Ion Ratio Lower Upper

42 100

72 47.5 37.0 55.4

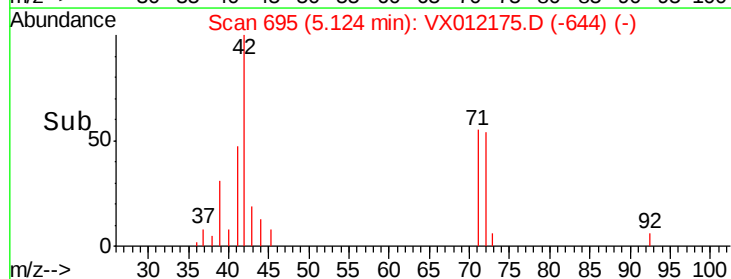
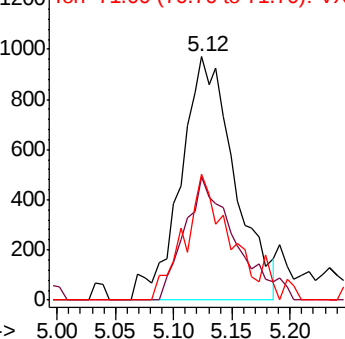
71 42.0 33.8 50.8



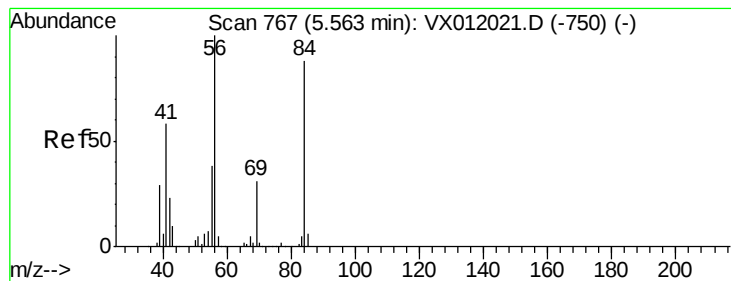
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.595 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T12-G4-(0)

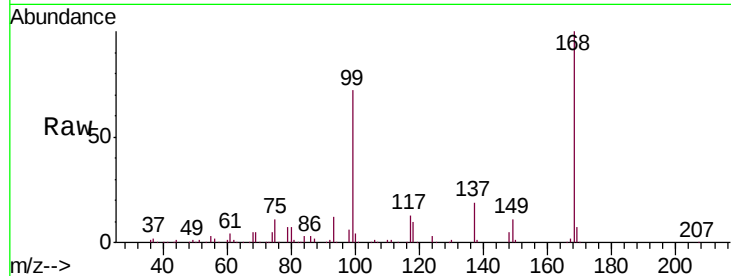
Tgt Ion: 56 Resp: 4147

Ion Ratio Lower Upper

56 100

69 199.3 25.7 38.5#

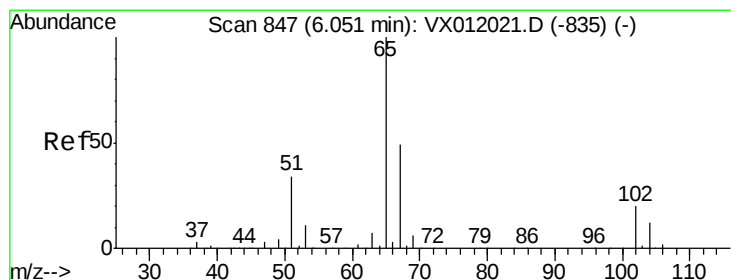
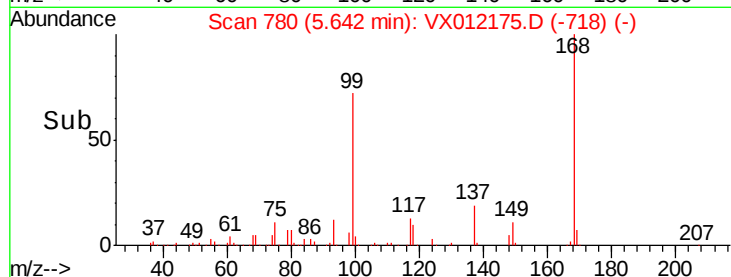
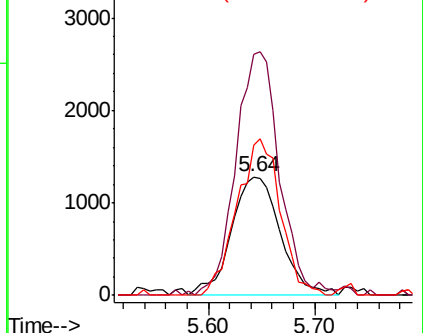
84 126.4 70.3 105.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.064 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012175.D

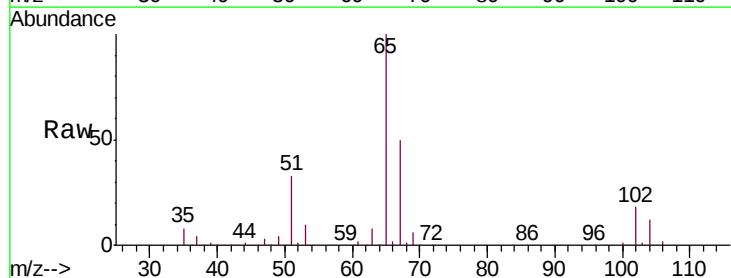
Acq: 07 Sep 2019 14:43

Tgt Ion: 65 Resp: 106180

Ion Ratio Lower Upper

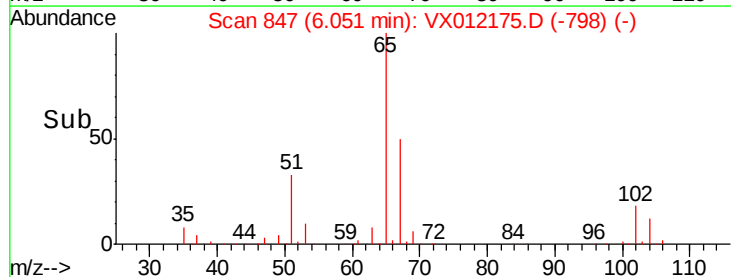
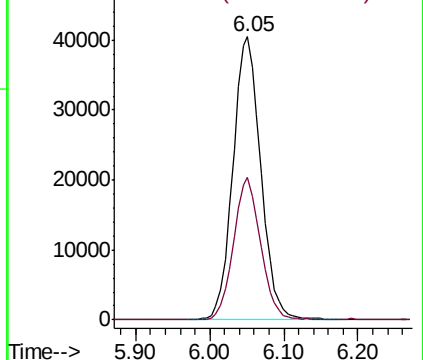
65 100

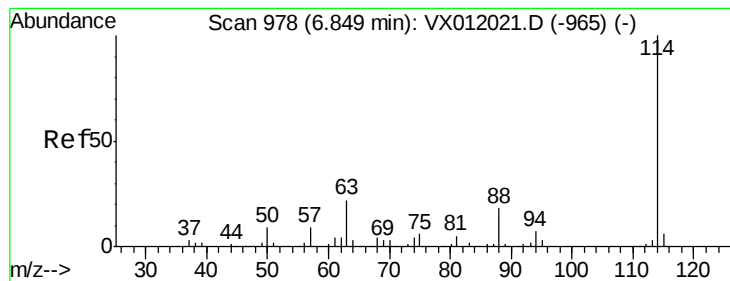
67 49.0 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T12-G4-(0)

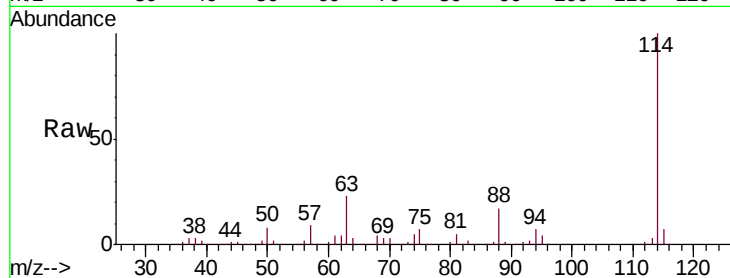
Tgt Ion:114 Resp: 268754

Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.4

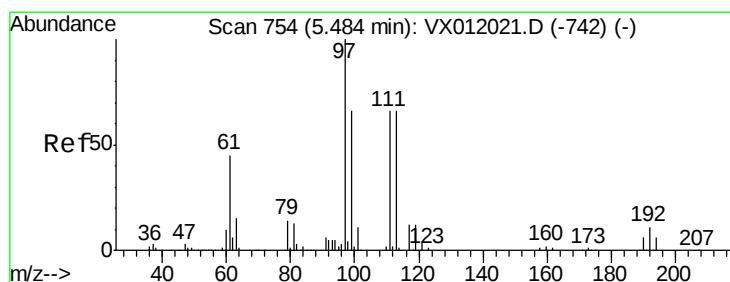
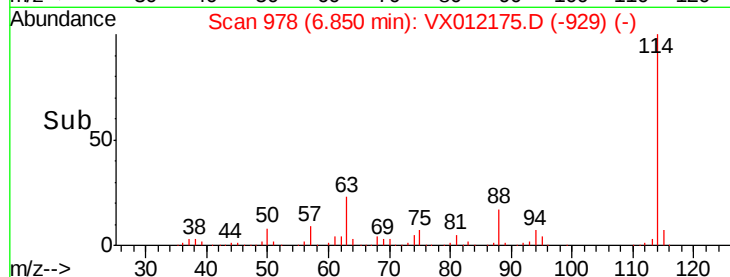
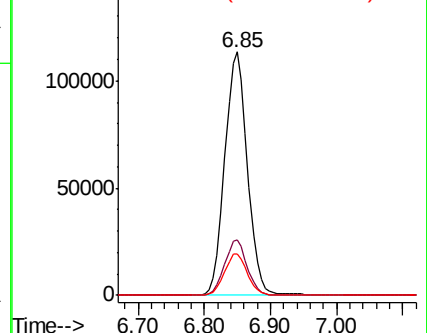
88 17.1 0.0 29.6



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: 48.594 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

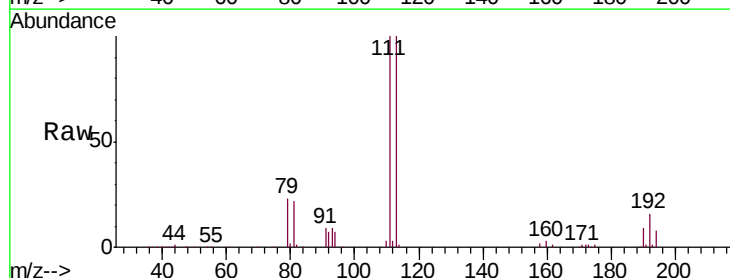
Tgt Ion:113 Resp: 80314

Ion Ratio Lower Upper

113 100

111 101.1 81.7 122.5

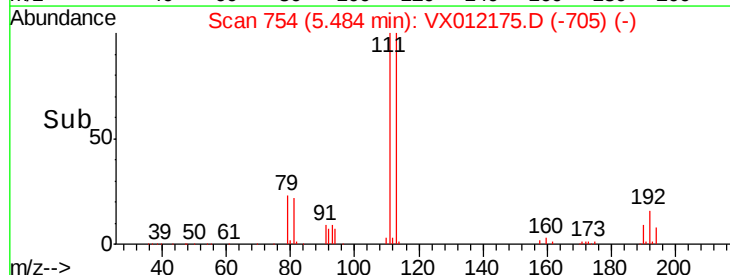
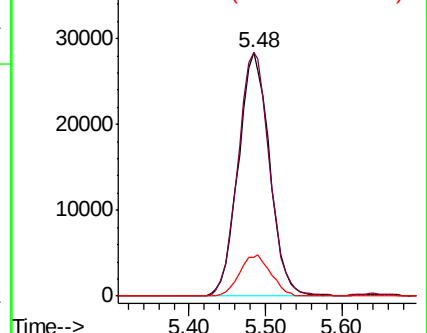
192 17.0 22.5 33.7#

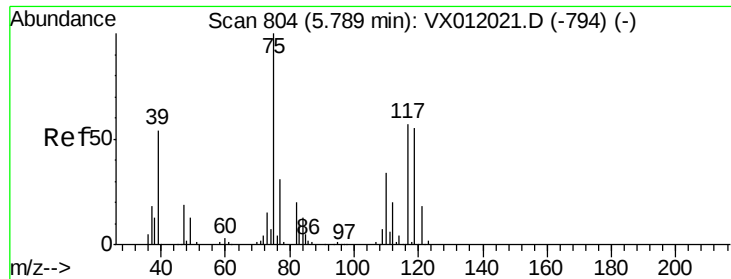


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

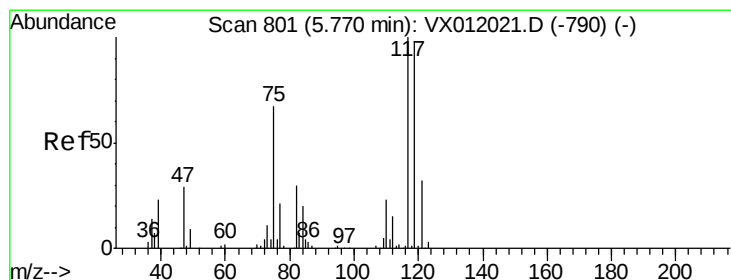
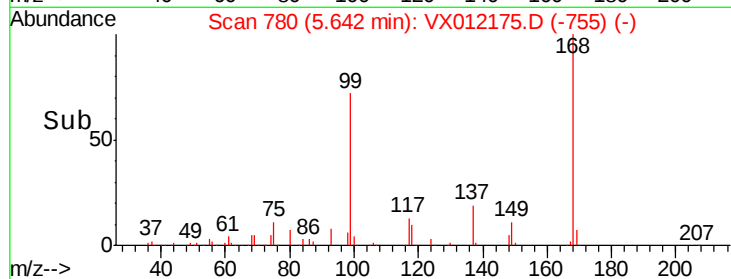
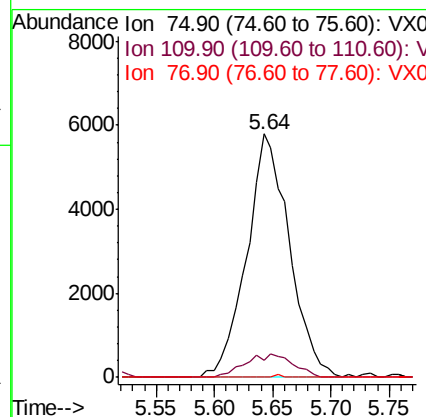
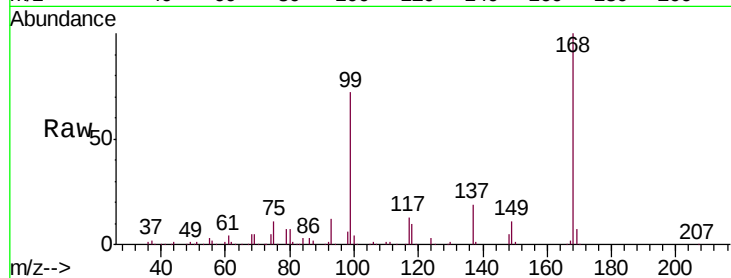




#36
 1,1-Dichloropropene
 Concen: 6.239 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012175.D
 Acq: 07 Sep 2019 14:43

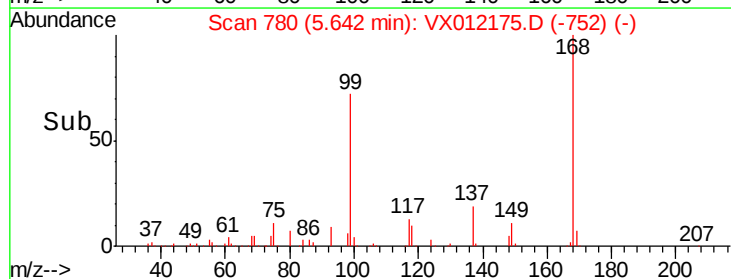
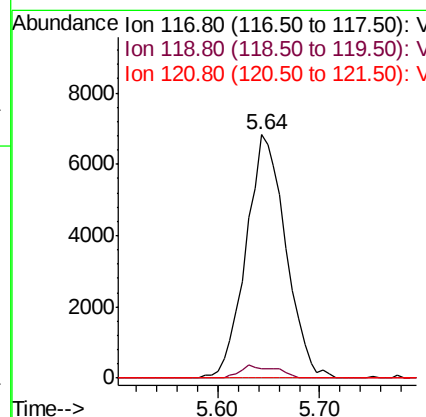
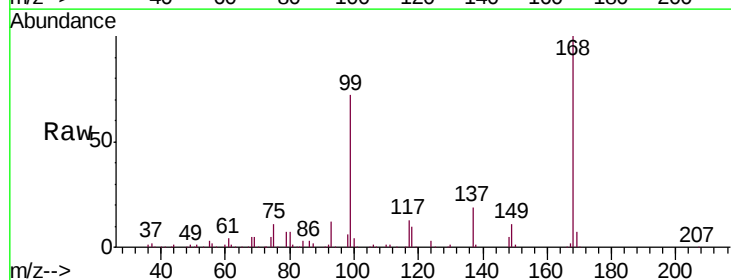
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-G4-(0)

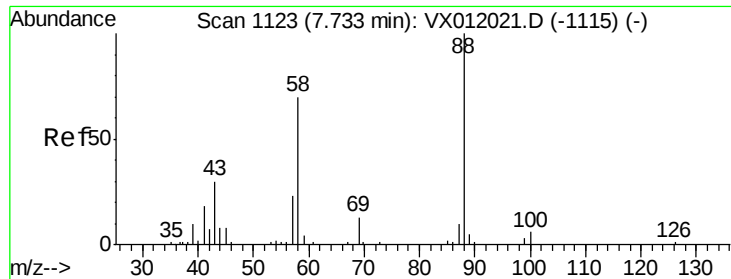
Tgt Ion: 75 Resp: 14767
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.5 58.5#
 77 0.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.406 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012175.D
 Acq: 07 Sep 2019 14:43

Tgt Ion: 117 Resp: 18473
 Ion Ratio Lower Upper
 117 100
 119 3.8 78.3 117.5#
 121 0.0 24.2 36.2#

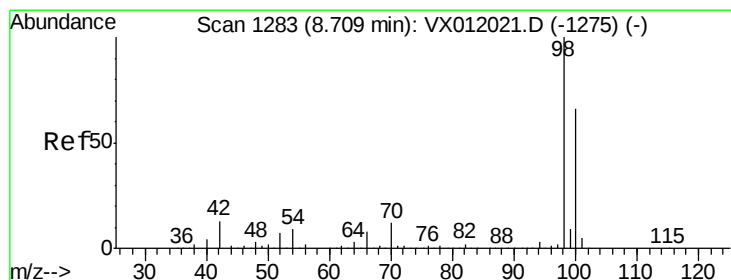
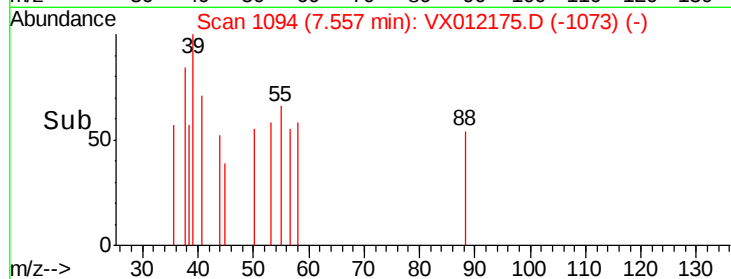
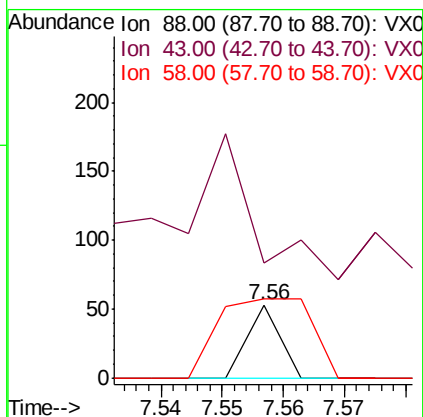
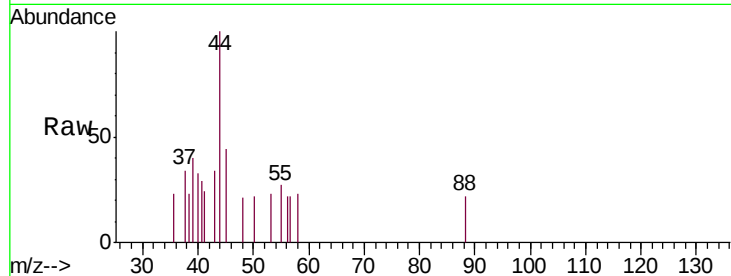




#49
1,4-Dioxane
Concen: 1.059 ug/l
RT: 7.56 min Scan# 1094
Delta R.T. -0.17 min
Lab File: VX012175.D
Acq: 07 Sep 2019 14:43

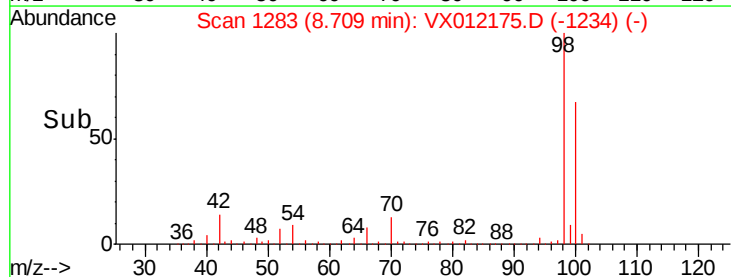
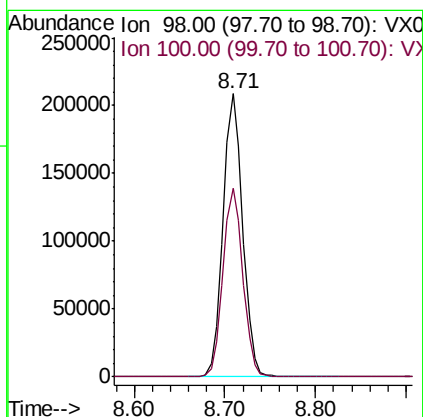
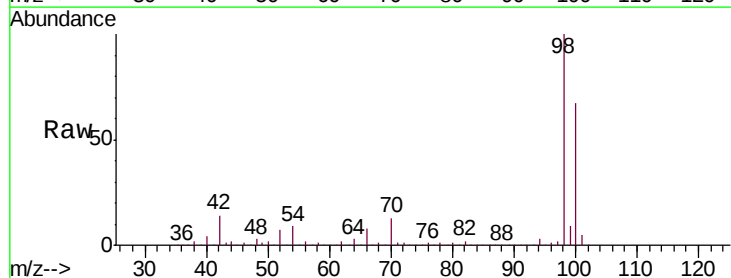
Instrument :
MSVOA_X
ClientSampleId :
T12-G4-(0)

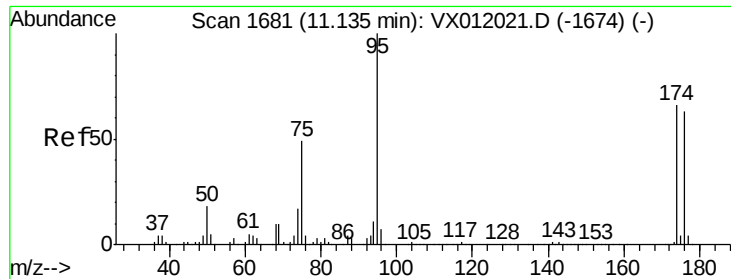
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 868.4 29.8 44.6#
58 321.1 55.4 83.2#



#50
Toluene-d8
Concen: 52.038 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012175.D
Acq: 07 Sep 2019 14:43

Tgt Ion: 98 Resp: 315602
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9

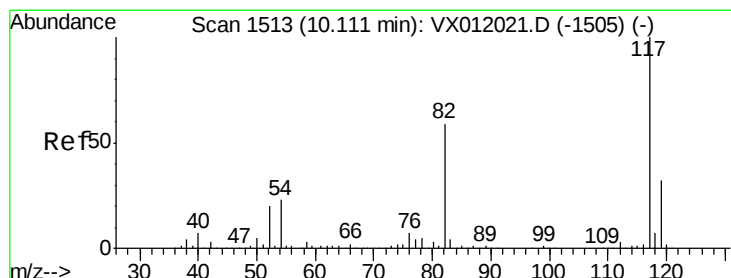
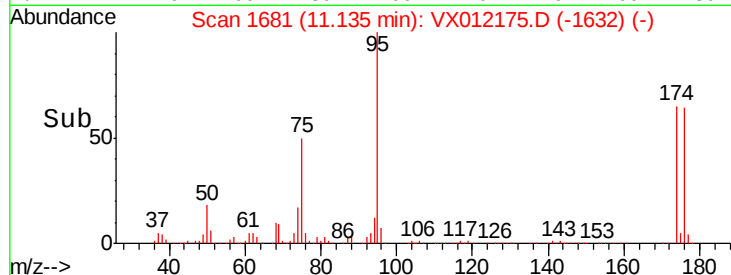
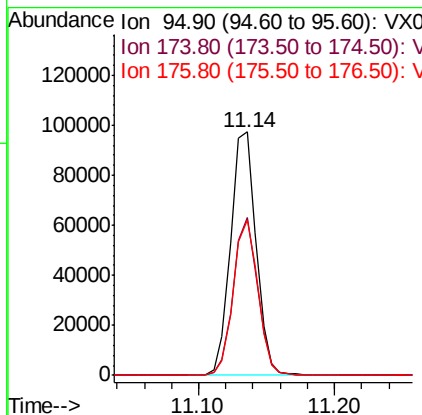
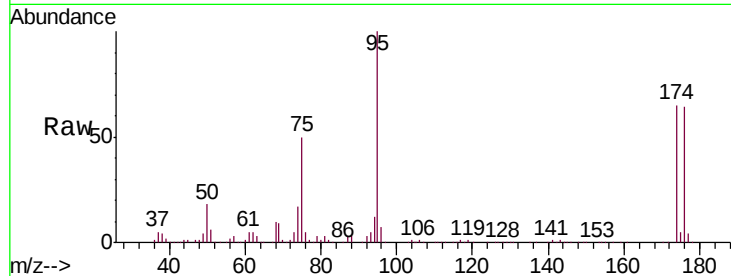




#62
4-Bromofluorobenzene
Concen: 45.138 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012175.D
Acq: 07 Sep 2019 14:43

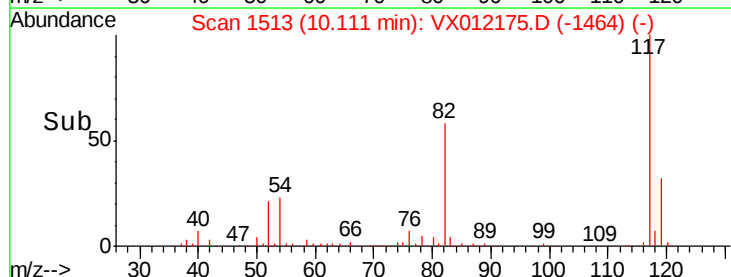
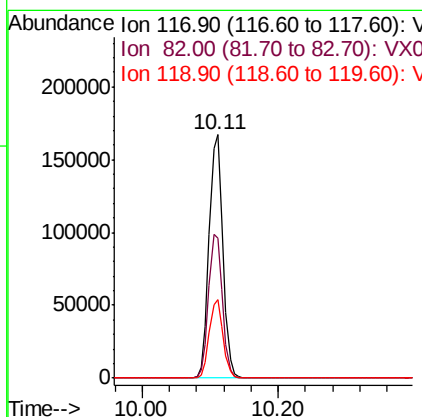
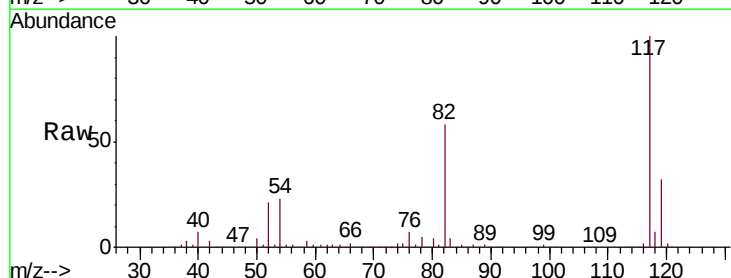
Instrument :
MSVOA_X
ClientSampleId :
T12-G4-(0)

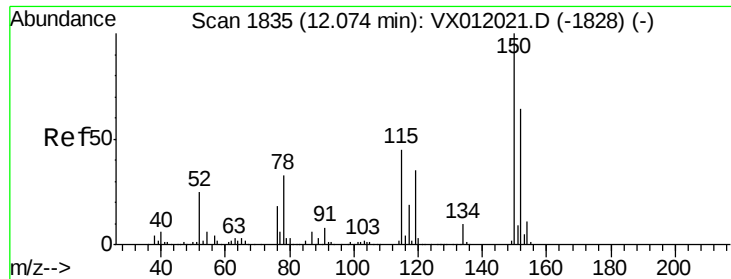
Tgt Ion: 95 Resp: 127313
Ion Ratio Lower Upper
95 100
174 62.2 0.0 205.4
176 61.4 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012175.D
Acq: 07 Sep 2019 14:43

Tgt Ion: 117 Resp: 234955
Ion Ratio Lower Upper
117 100
82 57.7 39.4 59.0
119 32.4 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: VX012175.D

Acq: 07 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T12-G4-(0)

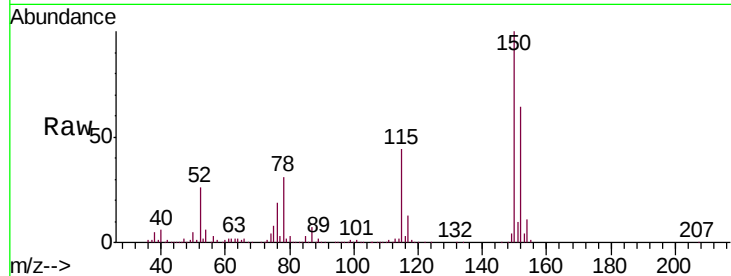
Tgt Ion:152 Resp: 100186

Ion Ratio Lower Upper

152 100

115 66.2 36.4 109.3

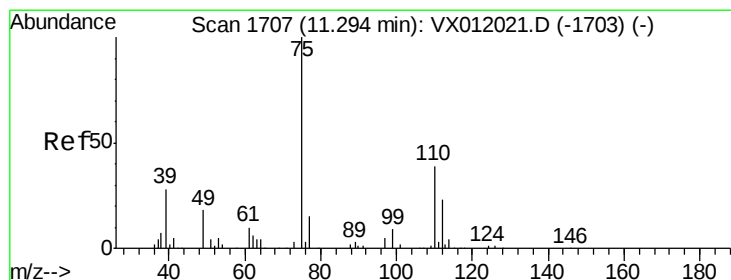
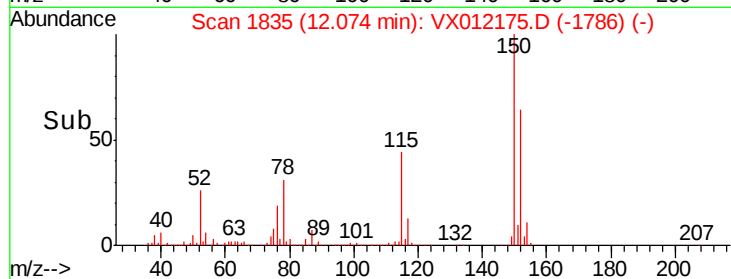
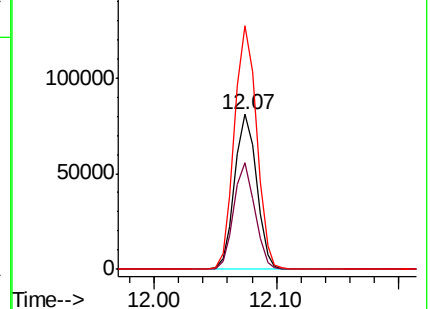
150 159.1 0.0 341.2



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: 53.594 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012175.D

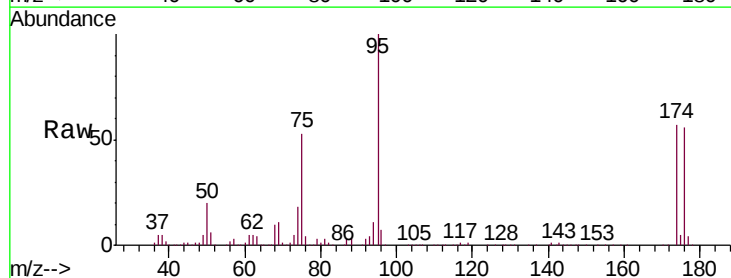
Acq: 07 Sep 2019 14:43

Tgt Ion: 75 Resp: 65605

Ion Ratio Lower Upper

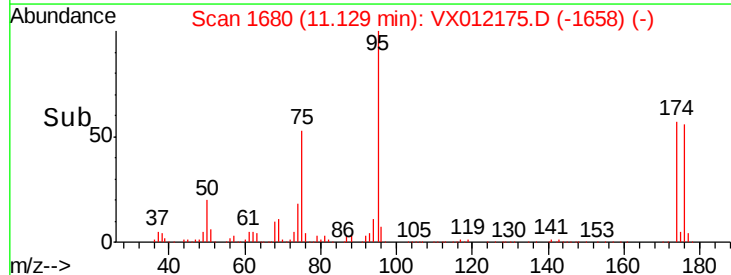
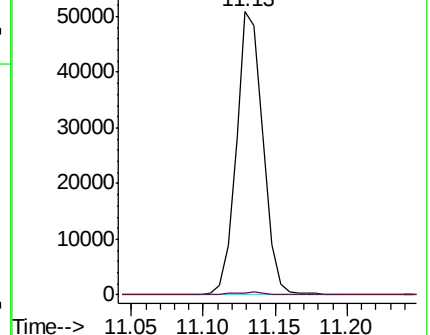
75 100

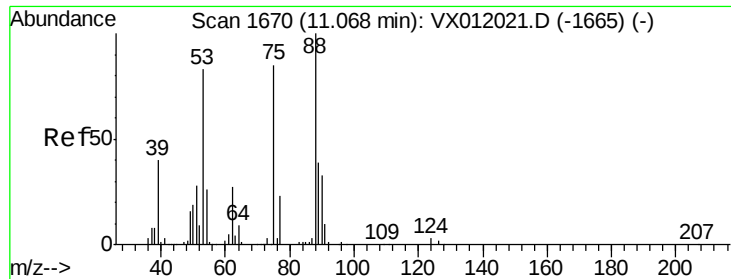
77 1.3 23.5 70.5#



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: 126.704 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

T12-G4-(0)

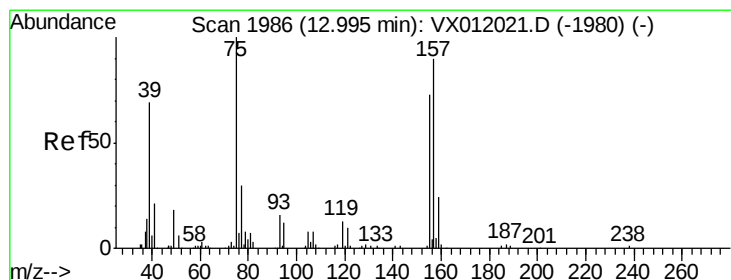
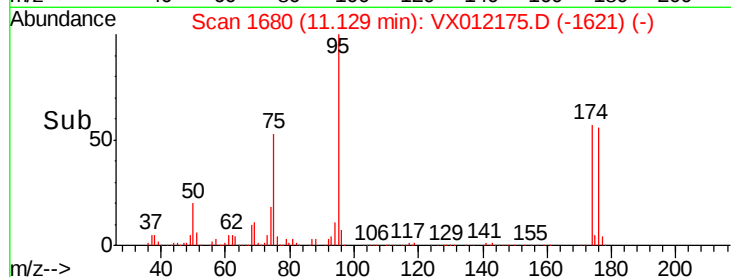
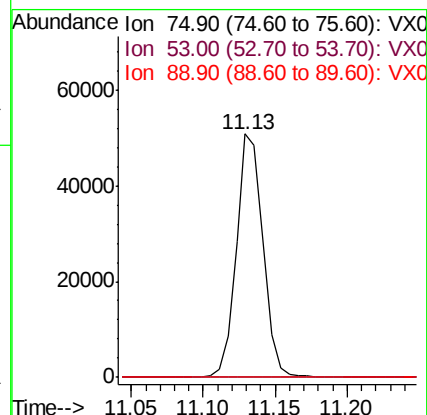
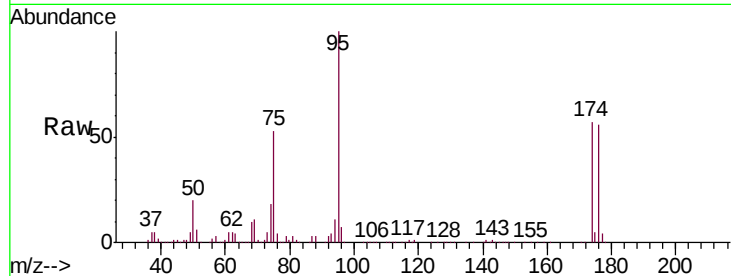
Tgt Ion: 75 Resp: 65605

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.389 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX012175.D

Acq: 07 Sep 2019 14:43

Tgt Ion: 75 Resp: 766

Ion Ratio Lower Upper

75 100

155 16.1 51.7 155.2#

157 0.0 66.9 200.7#

