

Data File : VX012173.D
Acq On : 07 Sep 2019 13:47
Operator : SY/SP
Sample : K4602-01
Misc : 5.03g/5.0mL/MSVOA_X/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T12-G2-(0)

Quant Time: Sep 08 07:41:30 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	148222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	208835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	76077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100924	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	5.48	113	76955	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	8.71	98	300409	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.14	95	104706	38.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.96%	

Target Compounds

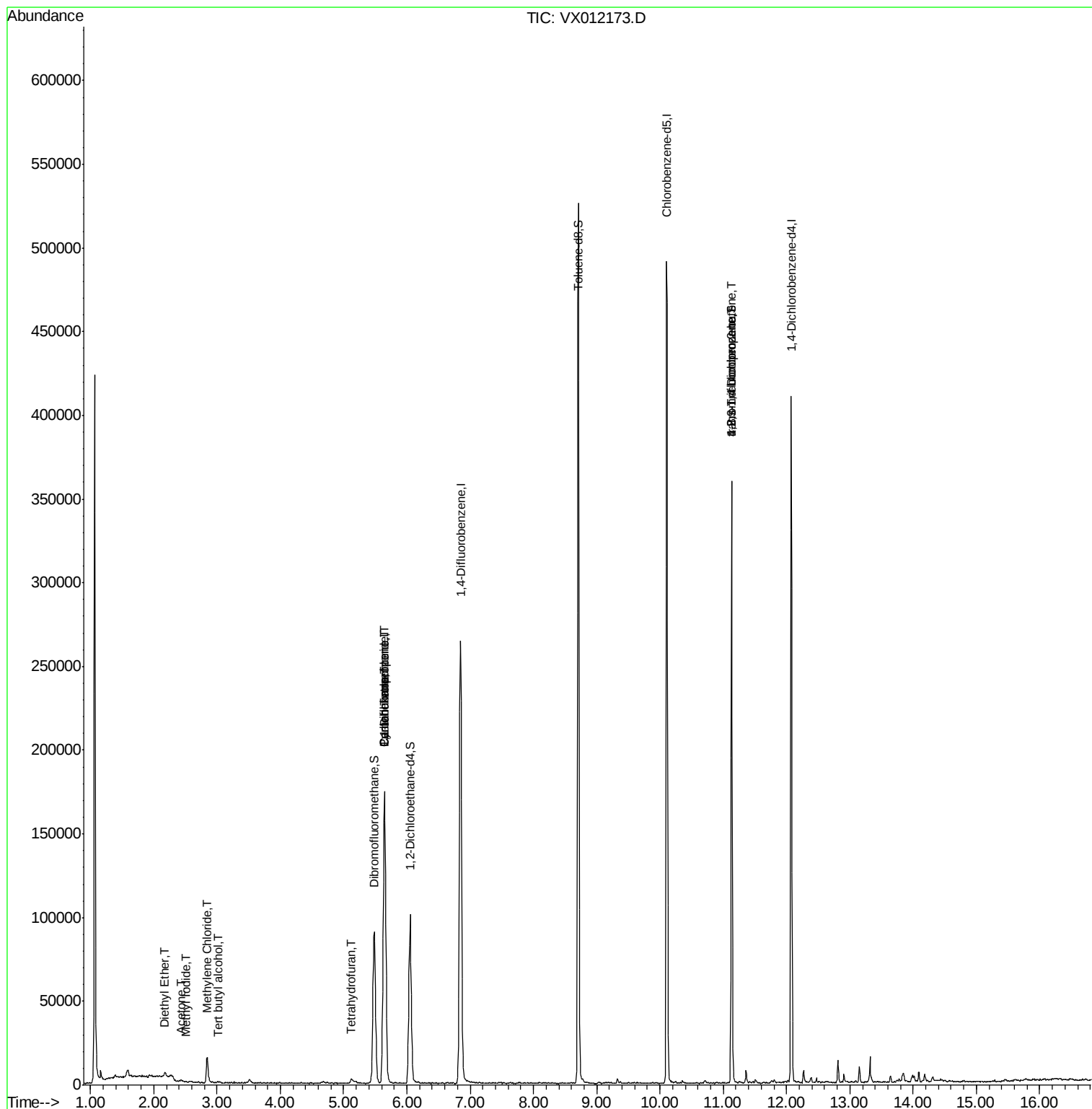
						Qvalue
8) Diethyl Ether	2.18	74	891	1.260	ug/l	99
10) Methyl Iodide	2.50	142	560	7.302	ug/l #	84
11) Tert butyl alcohol	3.02	59	665	3.385	ug/l #	73
13) Acrolein	2.26	56	68	Below Cal	#	1
16) Acetone	2.43	43	1435	2.936	ug/l	93
20) Methylene Chloride	2.84	84	7310	3.724	ug/l	96
29) Tetrahydrofuran	5.12	42	2703	7.210	ug/l #	83
31) Cyclohexane	5.65	56	4263	1.700	ug/l #	26
36) 1,1-Dichloropropene	5.65	75	13515	5.996	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17481	7.360	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	55020	59.190	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	55020	139.935	ug/l #	10

(#) = 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# 781

Delta R.T. -0.00 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

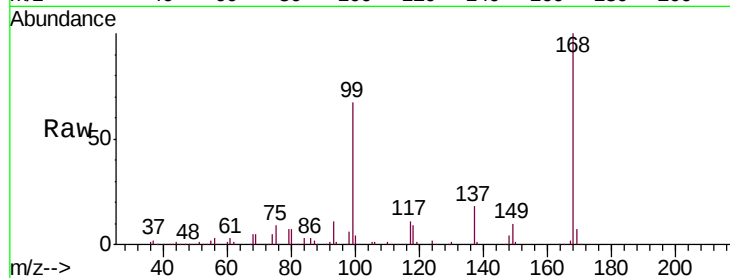
T12-G2-(0)

Tgt Ion:168 Resp: 148222

Ion Ratio Lower Upper

168 100

99 67.3 37.6 56.4#



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

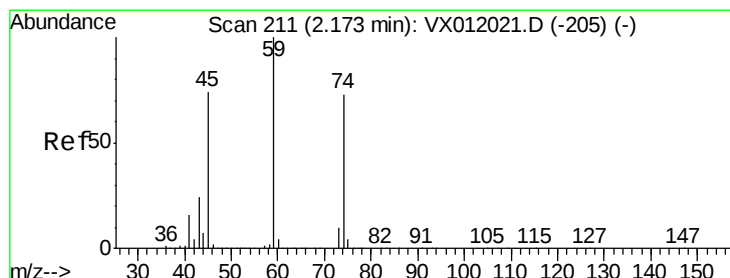
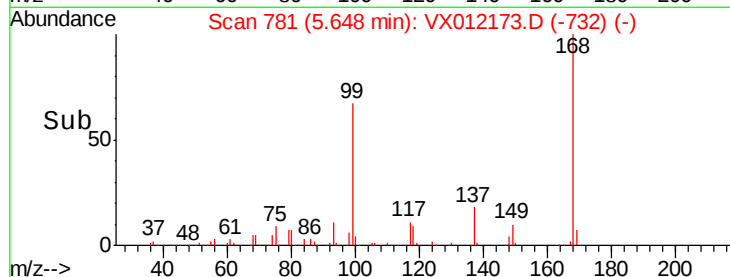
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.260 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012173.D

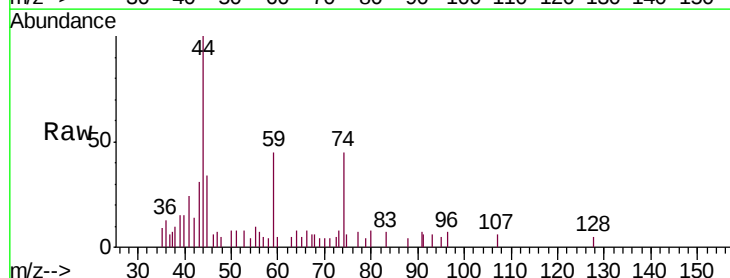
Acq: 07 Sep 2019 13:47

Tgt Ion: 74 Resp: 891

Ion Ratio Lower Upper

74 100

45 90.3 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600

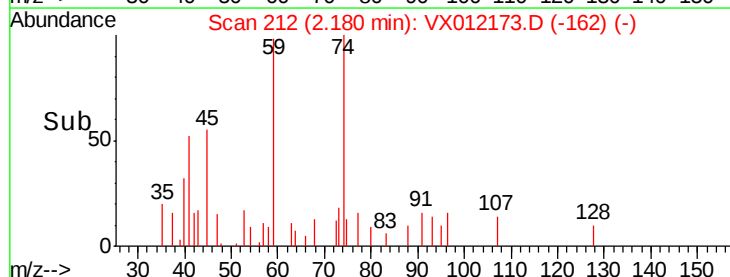
400

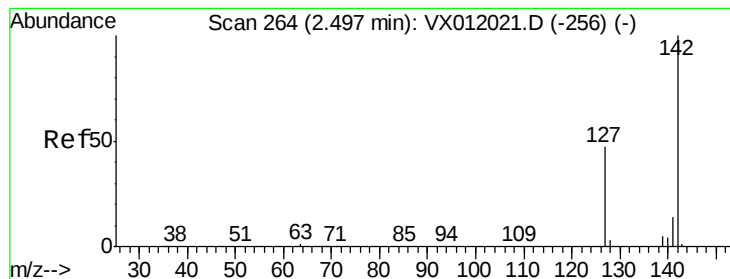
200

0

Time-->

2.15 2.20





#10

Methyl Iodide

Concen: 7.302 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

T12-G2-(0)

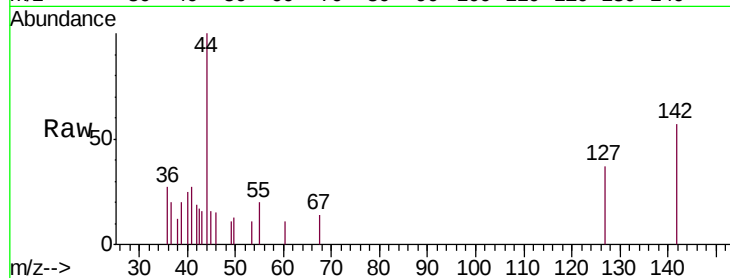
Tgt Ion: 142 Resp: 560

Ion Ratio Lower Upper

142 100

127 52.9 35.4 53.2

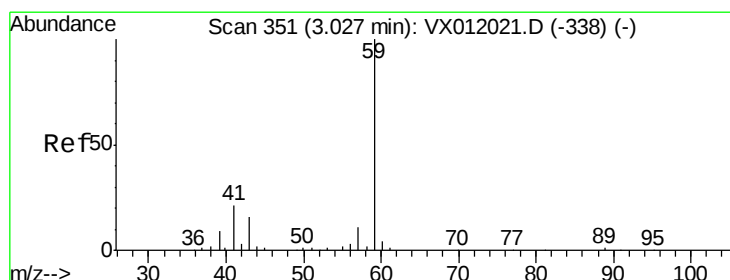
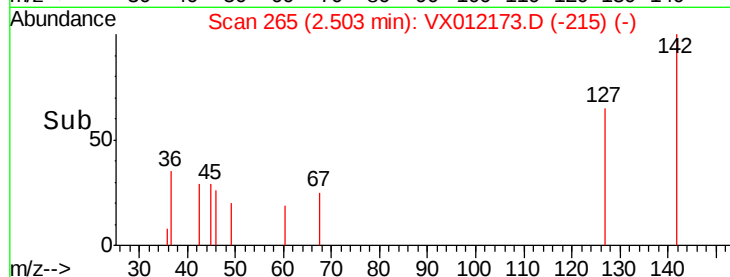
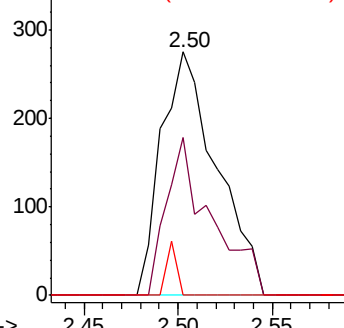
141 3.9 11.4 17.2#



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: 3.385 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012173.D

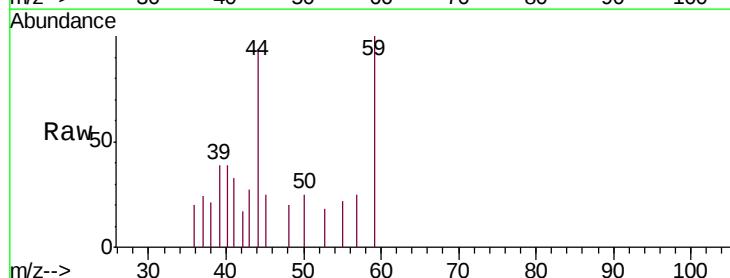
Acq: 07 Sep 2019 13:47

Tgt Ion: 59 Resp: 665

Ion Ratio Lower Upper

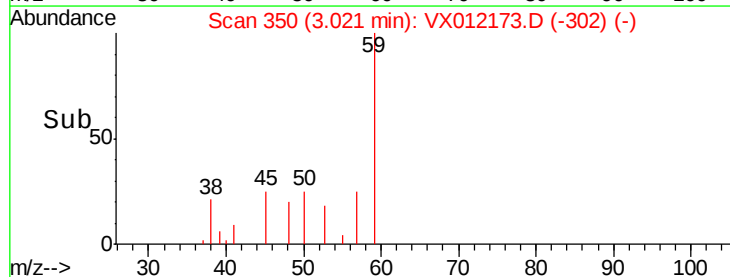
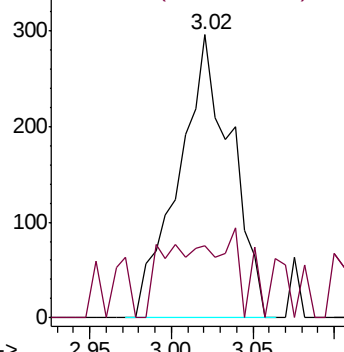
59 100

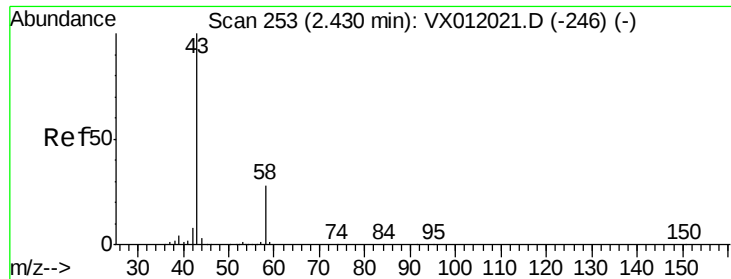
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.936 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

Instrument :

MSVOA_X

ClientSampled :

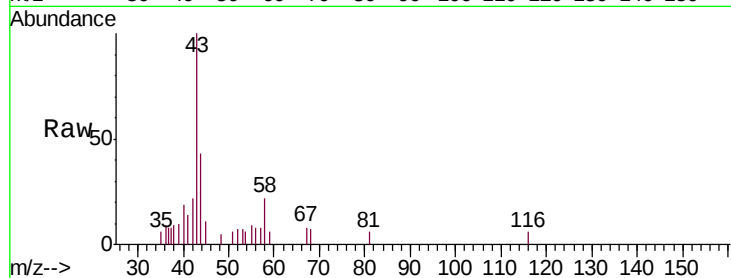
T12-G2-(0)

Tgt Ion: 43 Resp: 1435

Ion Ratio Lower Upper

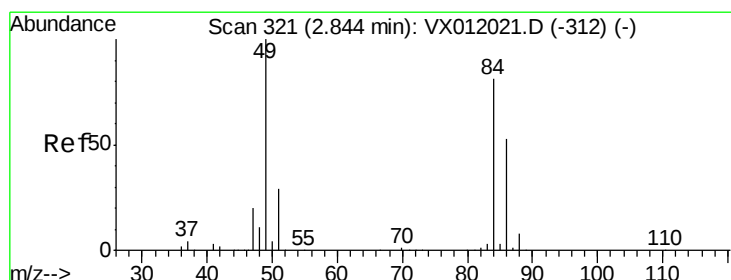
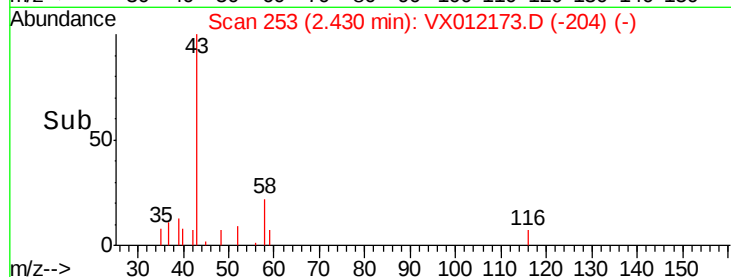
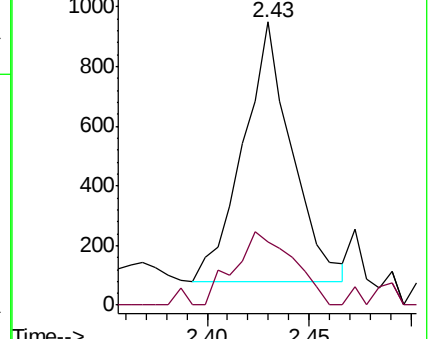
43 100

58 24.6 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 3.724 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

Tgt Ion: 84 Resp: 7310

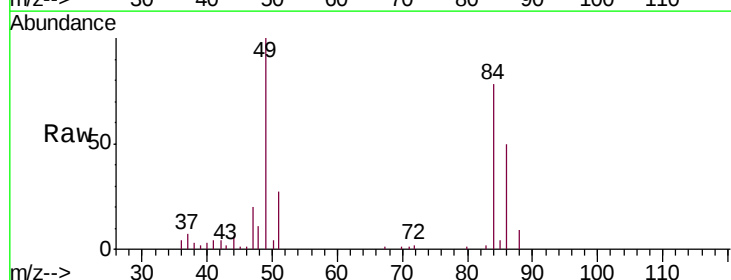
Ion Ratio Lower Upper

84 100

49 126.1 95.8 143.8

51 34.0 28.6 43.0

86 64.2 50.9 76.3

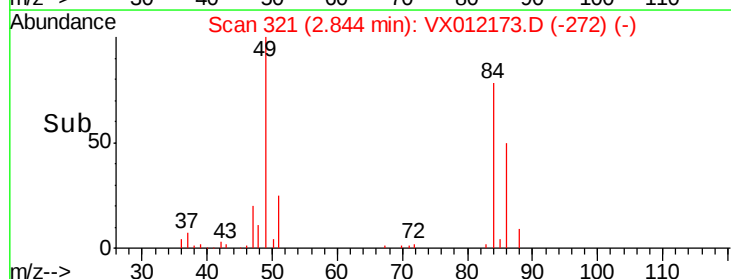
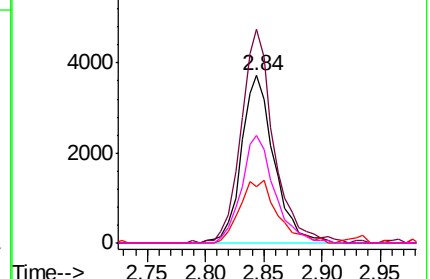


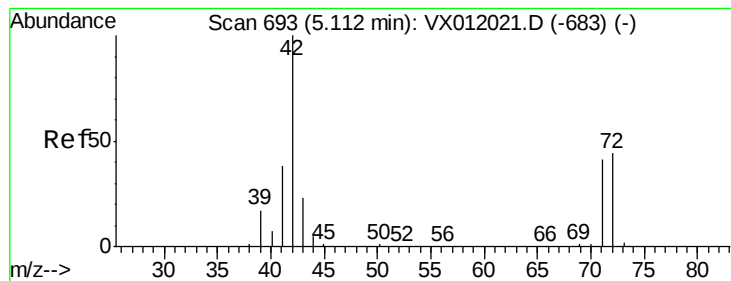
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 7.210 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

T12-G2-(0)

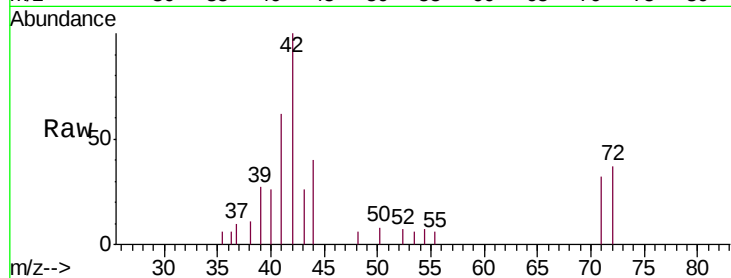
Tgt Ion: 42 Resp: 2703

Ion Ratio Lower Upper

42 100

72 41.4 37.0 55.4

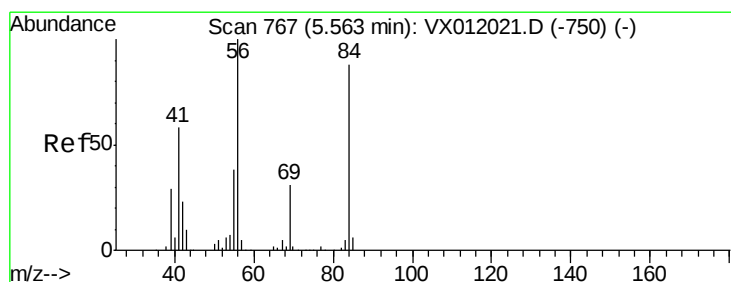
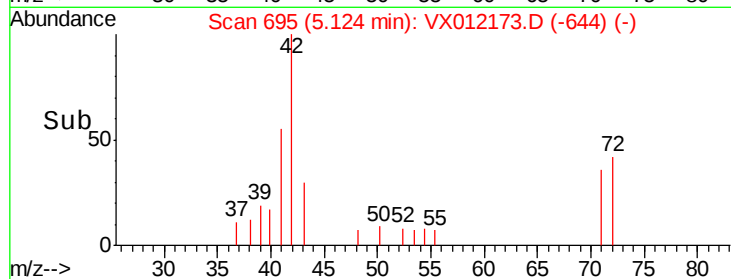
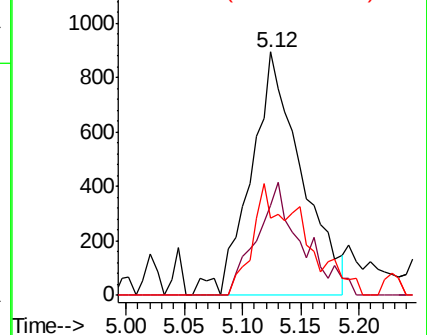
71 25.2 33.8 50.8#



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



#31

Cyclohexane

Concen: 1.700 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

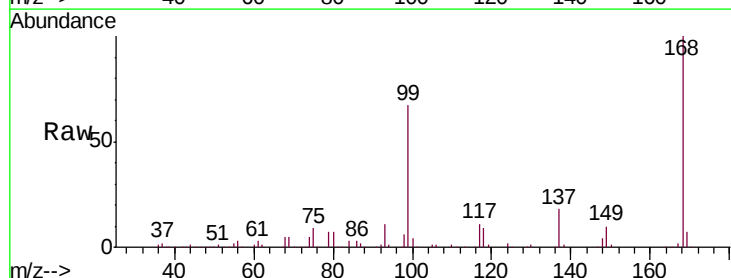
Tgt Ion: 56 Resp: 4263

Ion Ratio Lower Upper

56 100

69 174.8 25.7 38.5#

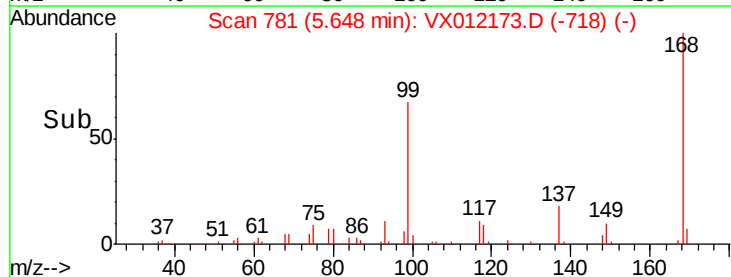
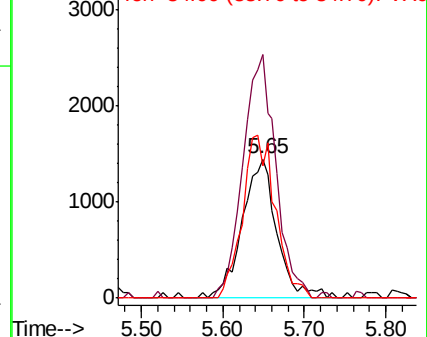
84 94.7 70.3 105.5

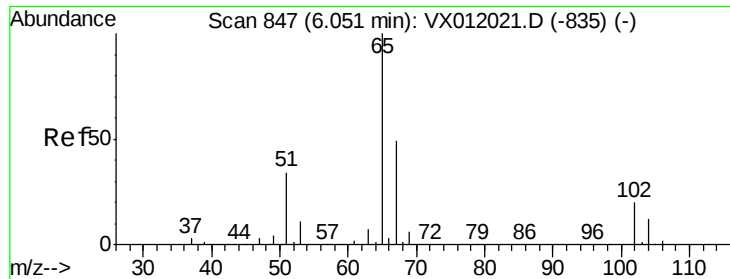


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

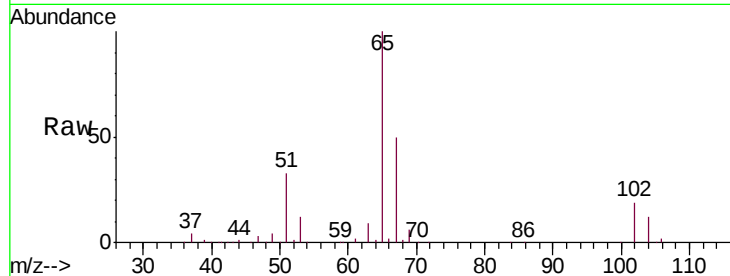




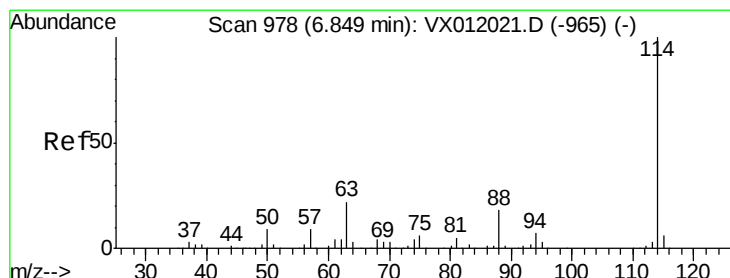
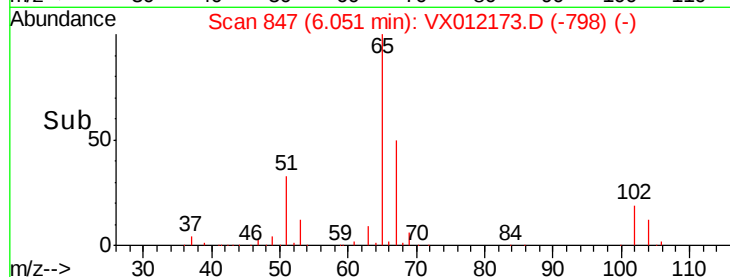
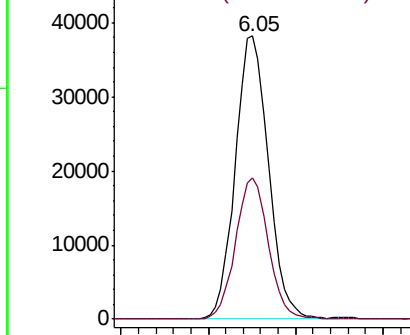
#33
 1,2-Dichloroethane-d4
 Concen: 49.347 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012173.D
 Acq: 07 Sep 2019 13:47

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-G2-(0)

Tgt Ion: 65 Resp: 100924
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 102.0

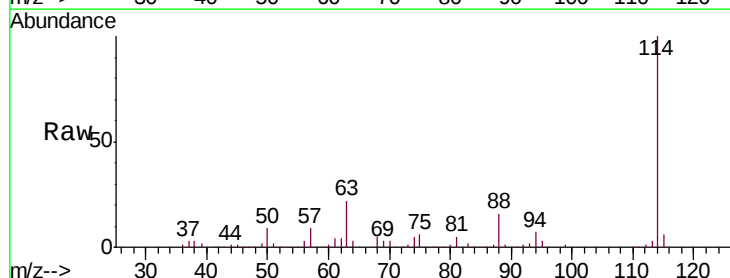


Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

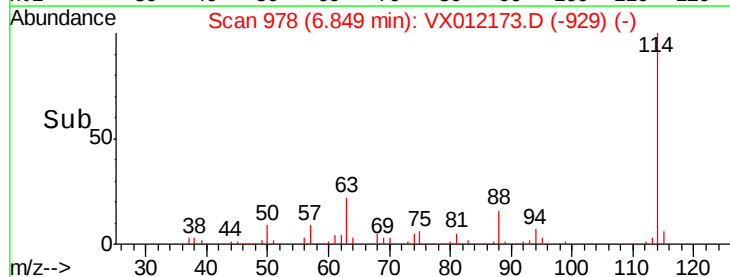
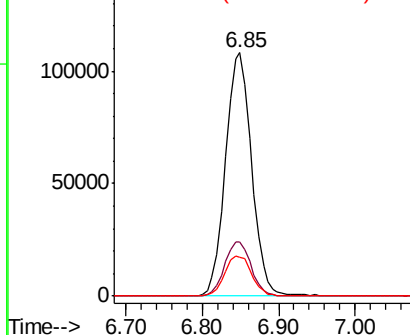


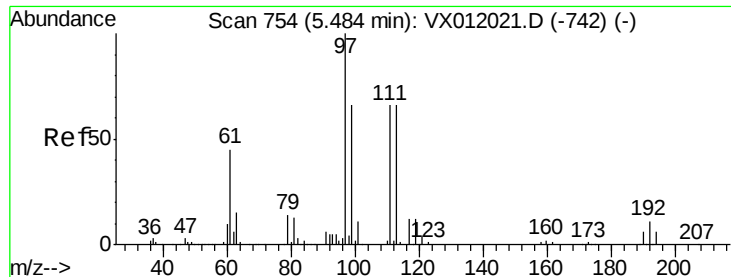
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012173.D
 Acq: 07 Sep 2019 13:47

Tgt Ion: 114 Resp: 255932
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 37.4
 88 16.2 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

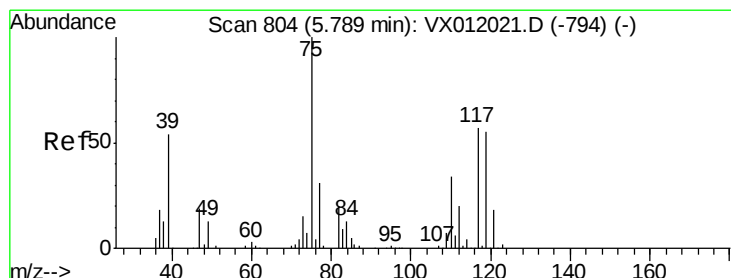
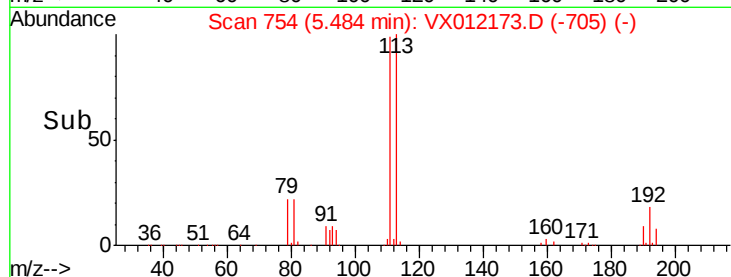
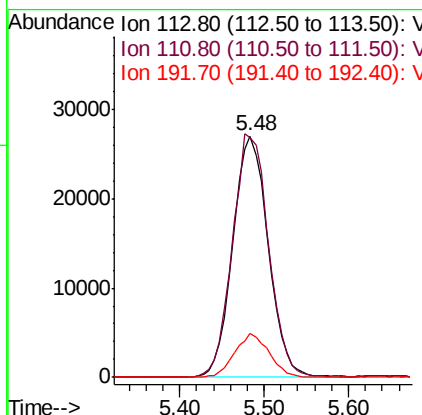
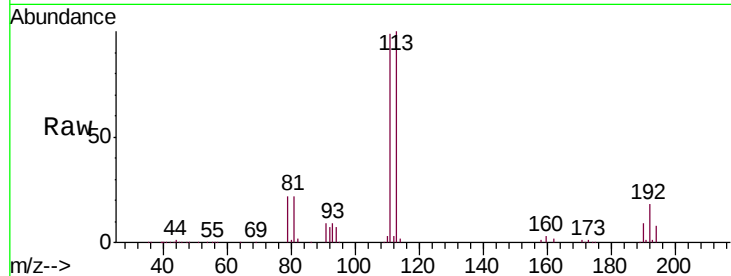




#35
 Dibromofluoromethane
 Concen: 48.894 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012173.D
 Acq: 07 Sep 2019 13:47

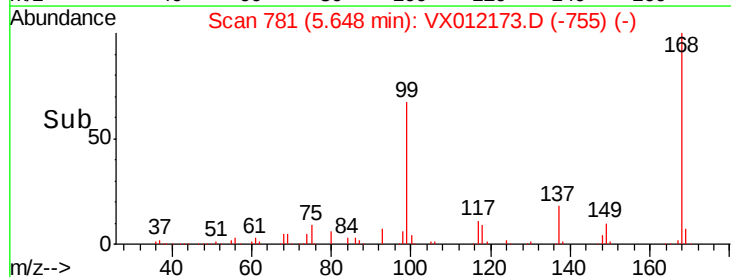
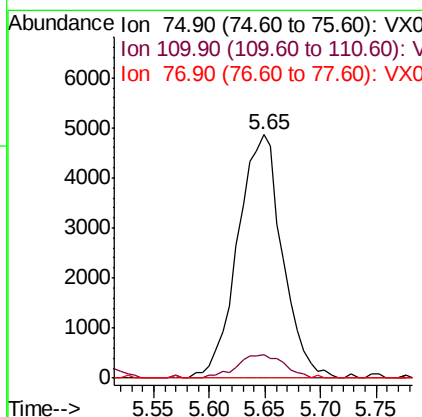
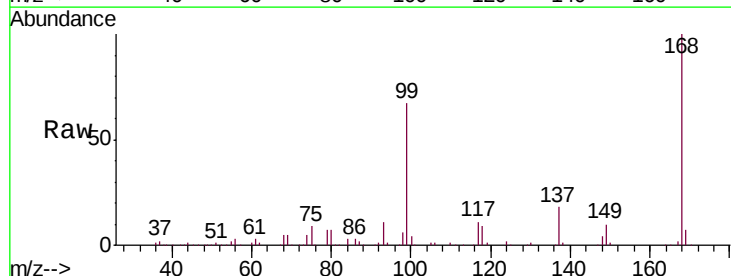
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-G2-(0)

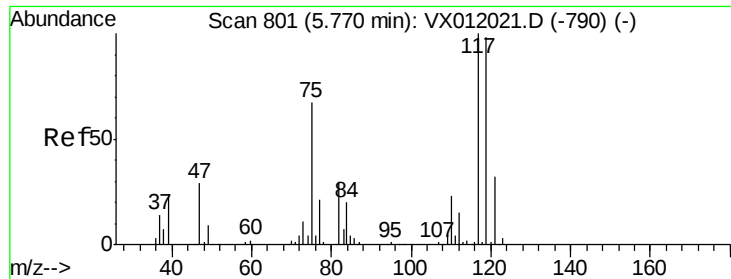
Tgt Ion:113 Resp: 76955
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 17.5 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 5.996 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012173.D
 Acq: 07 Sep 2019 13:47

Tgt Ion: 75 Resp: 13515
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.360 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

T12-G2-(0)

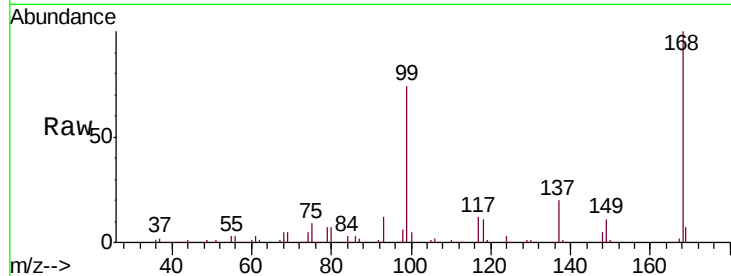
Tgt Ion:117 Resp: 17481

Ion Ratio Lower Upper

117 100

119 4.3 78.3 117.5#

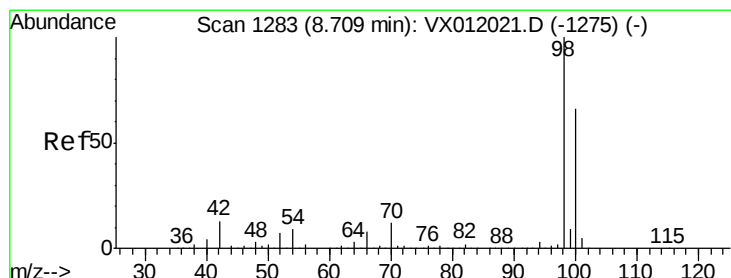
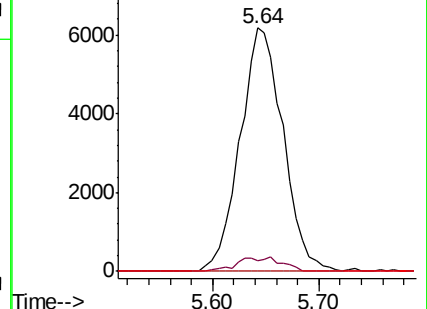
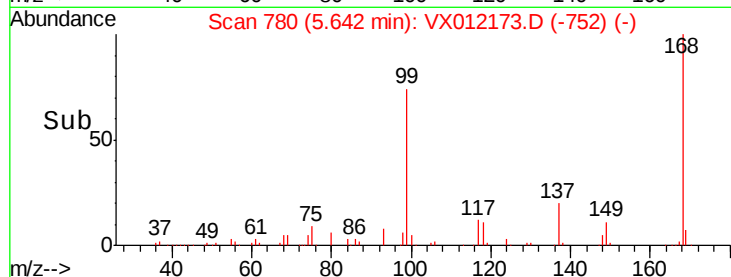
121 0.0 24.2 36.2#



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: 52.014 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012173.D

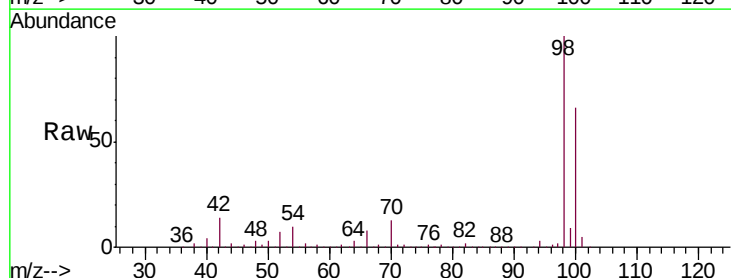
Acq: 07 Sep 2019 13:47

Tgt Ion: 98 Resp: 300409

Ion Ratio Lower Upper

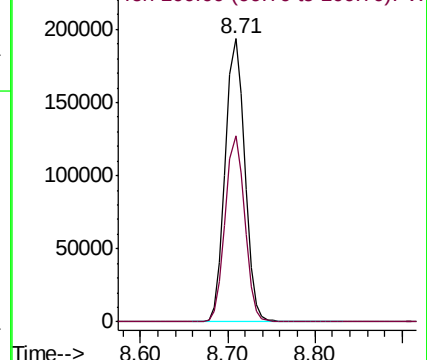
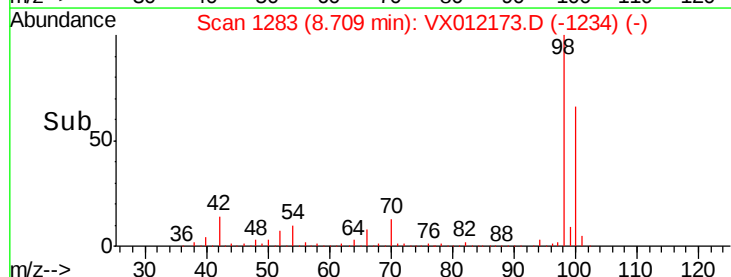
98 100

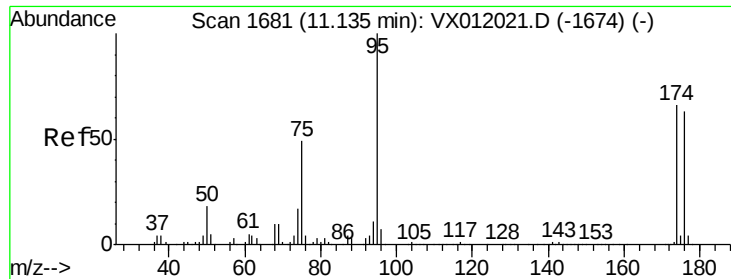
100 65.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

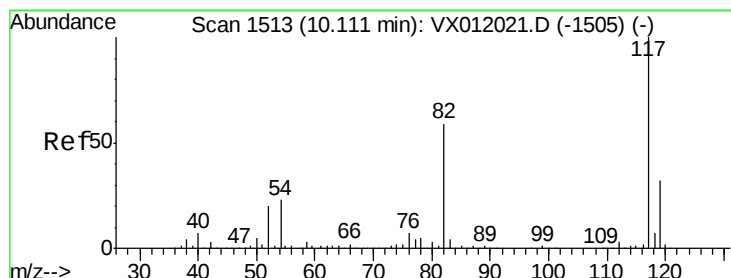
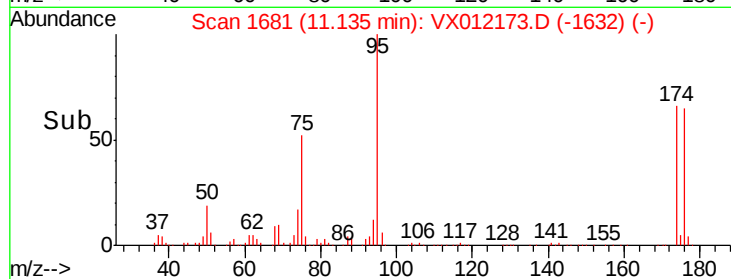
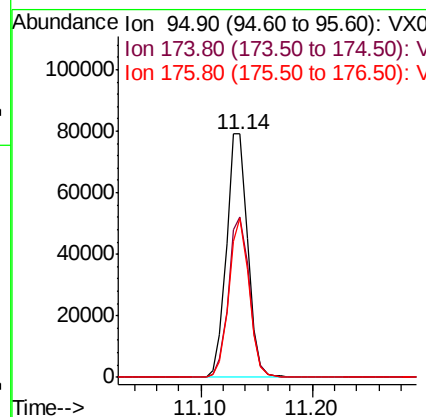
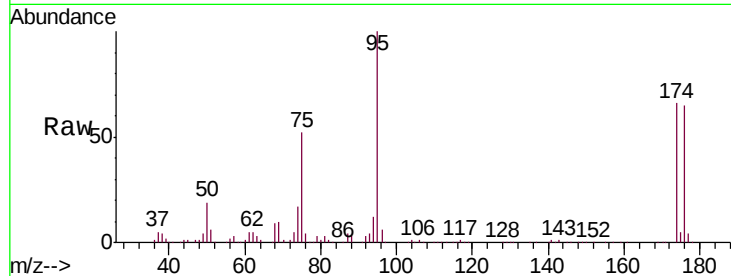




#62
4-Bromofluorobenzene
Concen: 38.983 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012173.D
Acq: 07 Sep 2019 13:47

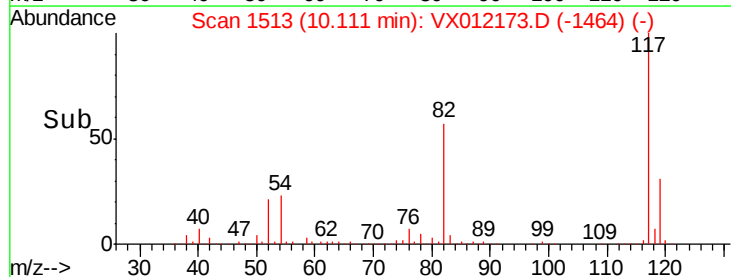
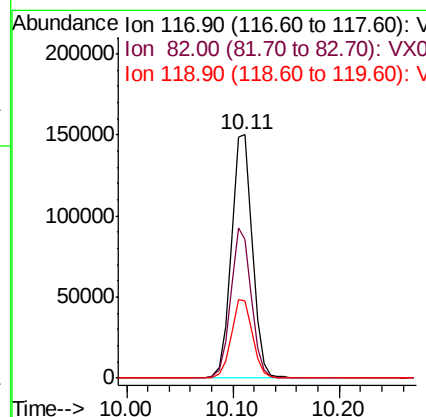
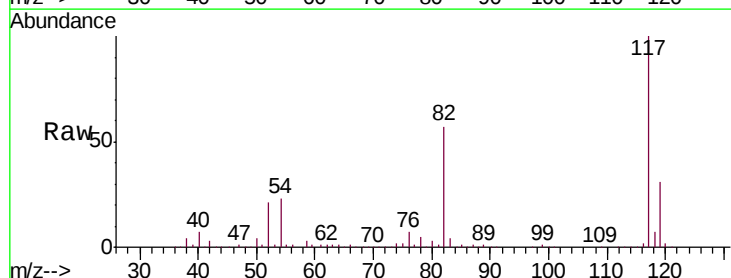
Instrument :
MSVOA_X
ClientSampleId :
T12-G2-(0)

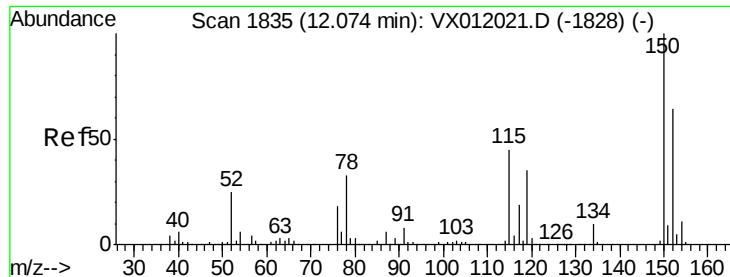
Tgt Ion: 95 Resp: 104706
Ion Ratio Lower Upper
95 100
174 64.9 0.0 205.4
176 62.0 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012173.D
Acq: 07 Sep 2019 13:47

Tgt Ion: 117 Resp: 208835
Ion Ratio Lower Upper
117 100
82 57.2 39.4 59.0
119 31.5 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: VX012173.D

Acq: 07 Sep 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

T12-G2-(0)

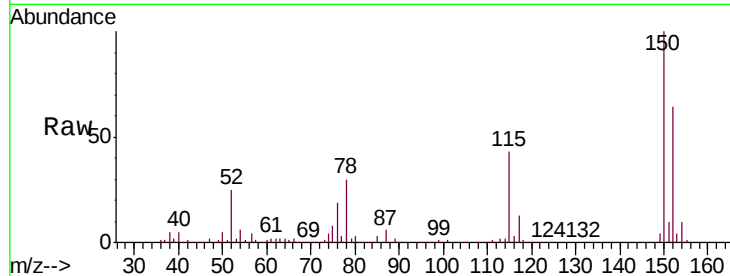
Tgt Ion:152 Resp: 76077

Ion Ratio Lower Upper

152 100

115 66.1 36.4 109.3

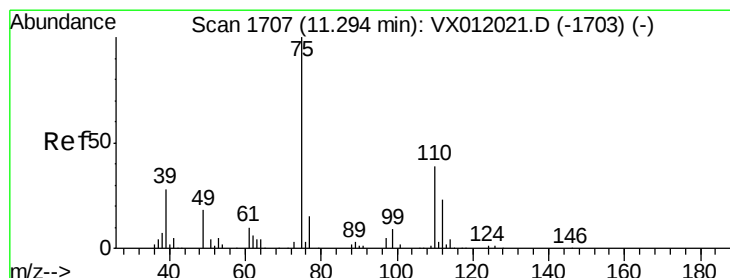
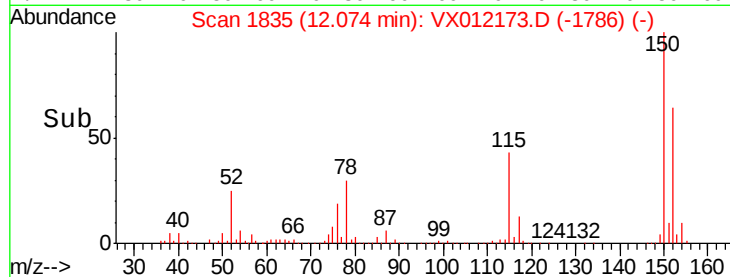
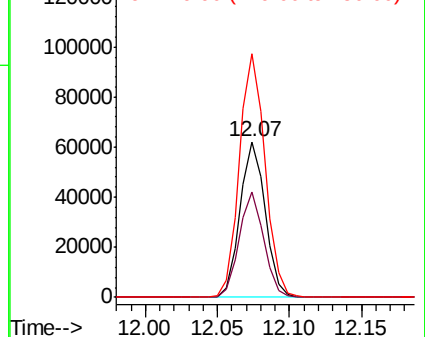
150 158.9 0.0 341.2



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: 59.190 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012173.D

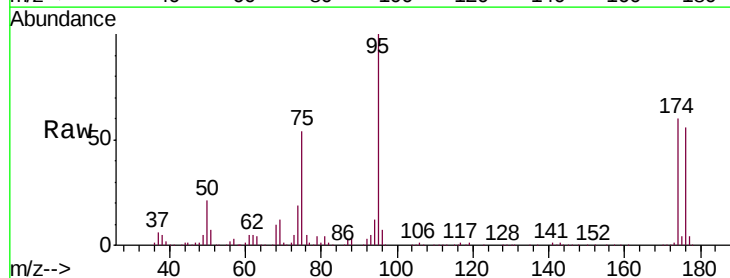
Acq: 07 Sep 2019 13:47

Tgt Ion: 75 Resp: 55020

Ion Ratio Lower Upper

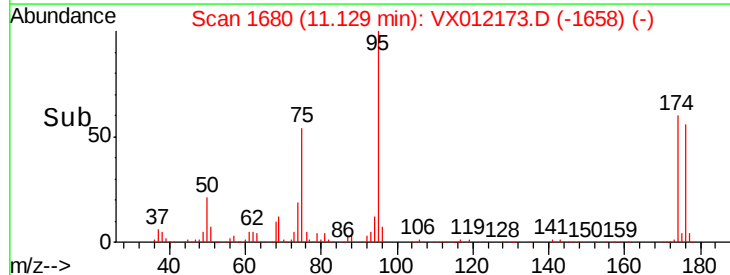
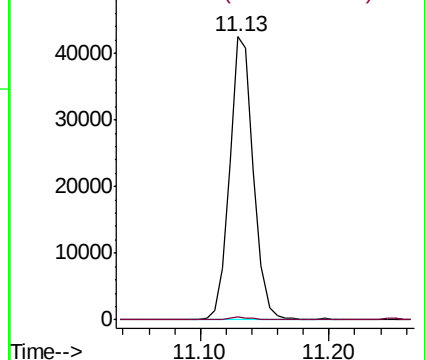
75 100

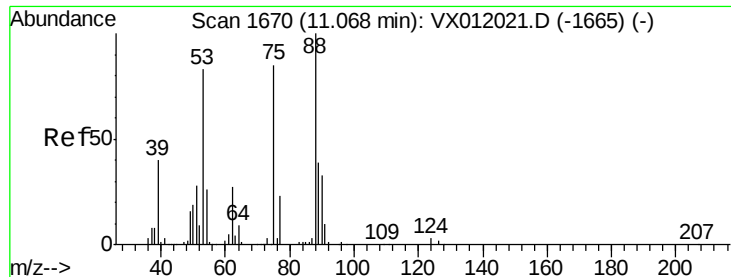
77 1.1 23.5 70.5#



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: 139.935 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012173.D

Acq: 07 Sep 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

T12-G2-(0)

Tgt Ion: 75 Resp: 55020

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#

