

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012146.D
 Acq On : 06 Sep 2019 14:18
 Operator : SY/SP
 Sample : K4601-03
 Misc : 2.30g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E2-(0)

Quant Time: Sep 07 01:14:23 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	5.64	168	145552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	249850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	207862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	81395	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	99483	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	5.48	113	75459	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	8.71	98	291533	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.13	95	109603	41.80	ug/l	0.00
Spiked Amount			Recovery	=	83.60%	

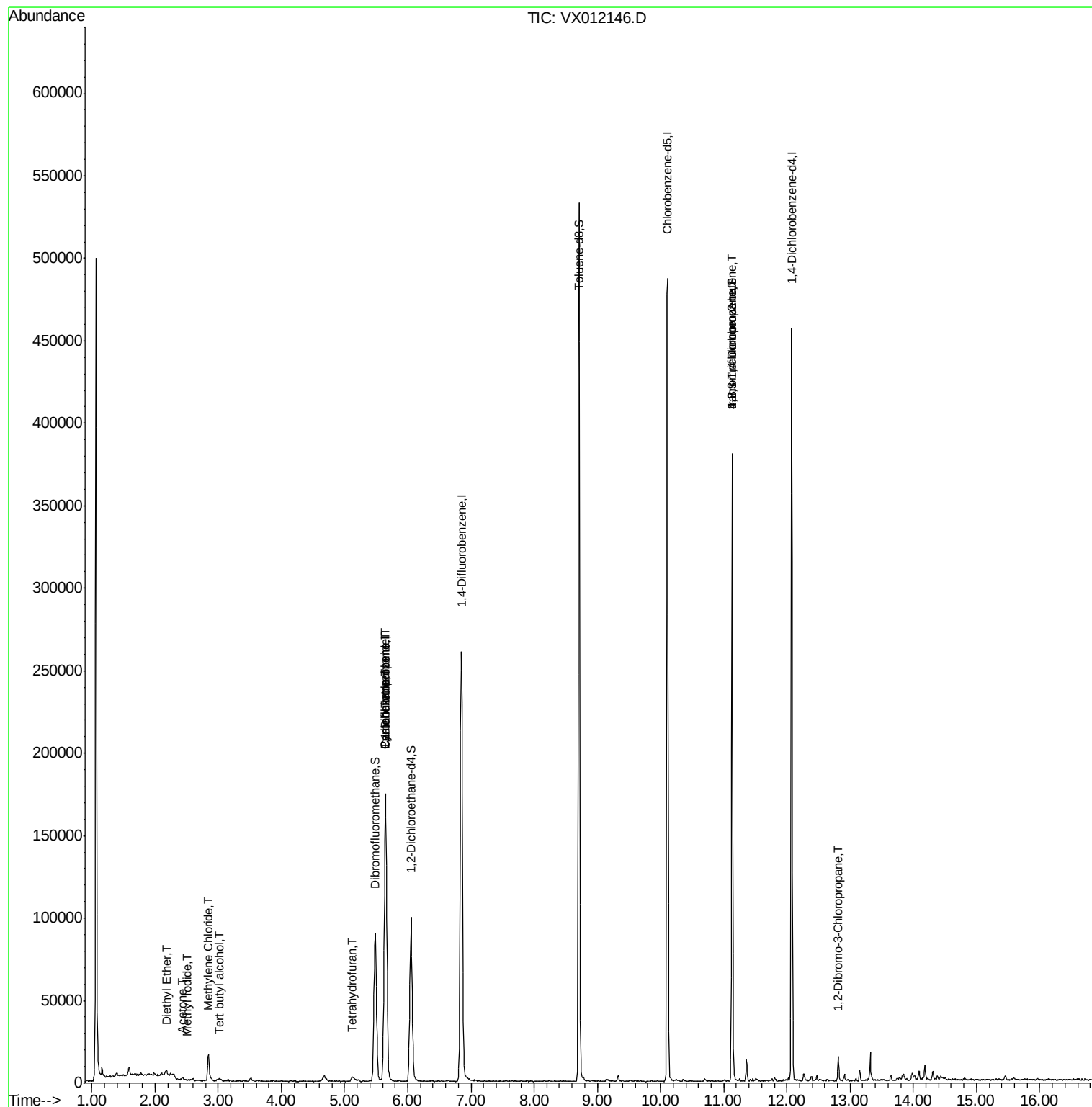
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1182	1.703	ug/l	88
10) Methyl Iodide	2.50	142	129	7.062	ug/l #	86
11) Tert butyl alcohol	3.03	59	1836	9.518	ug/l #	78
13) Acrolein	2.28	56	63	Below Cal	#	12
16) Acetone	2.43	43	1947	4.056	ug/l #	86
20) Methylene Chloride	2.84	84	7602	3.944	ug/l	90
29) Tetrahydrofuran	5.13	42	2762	7.502	ug/l	97
31) Cyclohexane	5.64	56	4050	1.645	ug/l #	23
36) 1,1-Dichloropropene	5.64	75	13343	6.063	ug/l #	48
38) Carbon Tetrachloride	5.64	117	17313	7.466	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	56571	56.883	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	56571	134.479	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	543	2.084	ug/l #	1

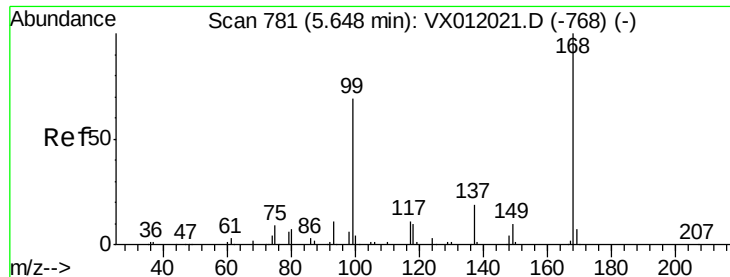
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012146.D

Acq: 06 Sep 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

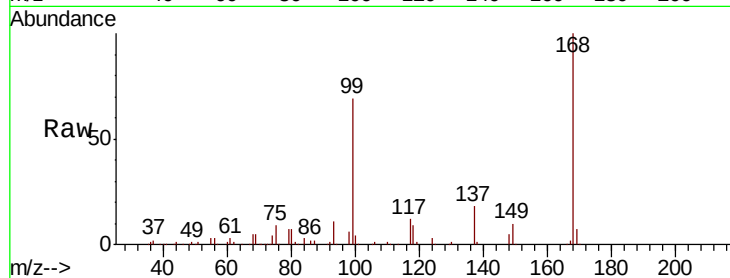
T12-E2-(0)

Tgt Ion:168 Resp: 145552

Ion Ratio Lower Upper

168 100

99 69.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

30000

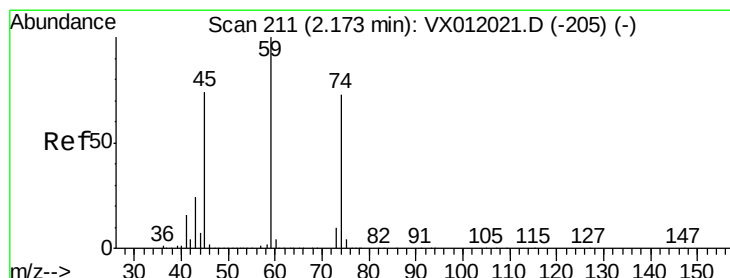
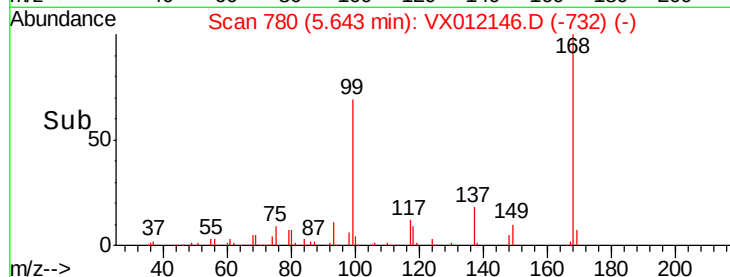
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.703 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012146.D

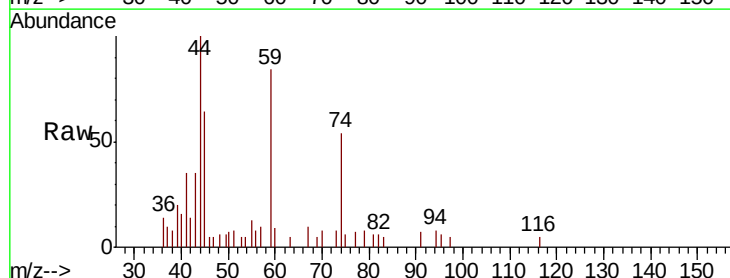
Acq: 06 Sep 2019 14:18

Tgt Ion: 74 Resp: 1182

Ion Ratio Lower Upper

74 100

45 103.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

600

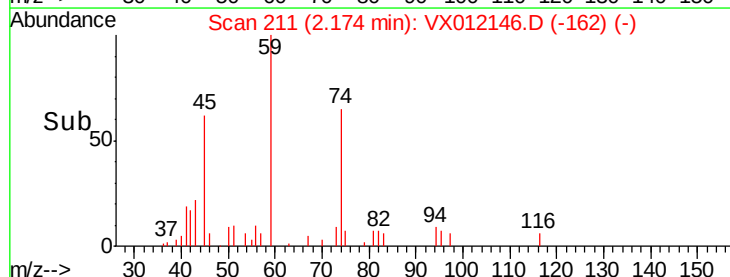
400

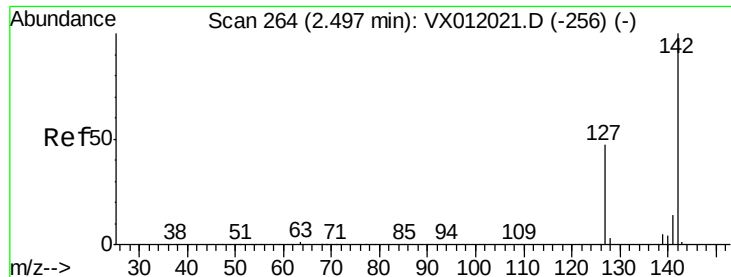
200

0

Time-->

2.10 2.15 2.20 2.25

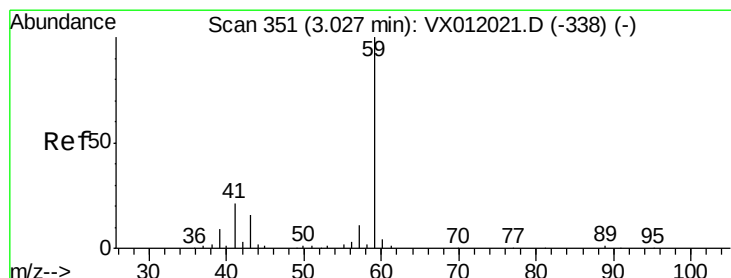
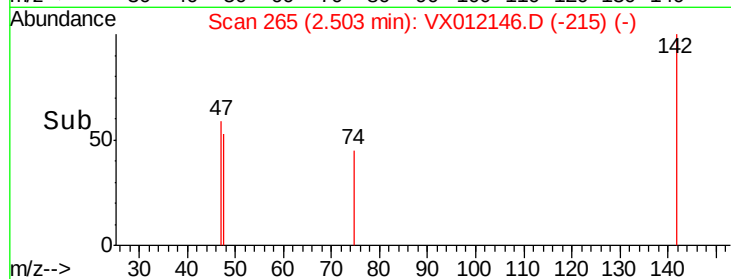
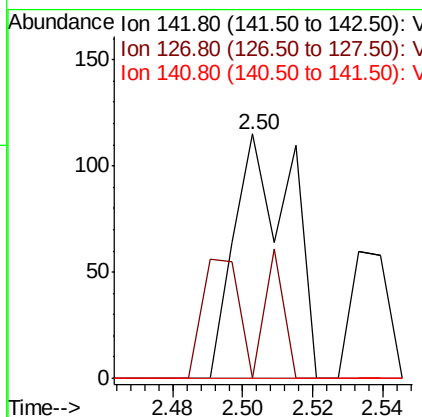
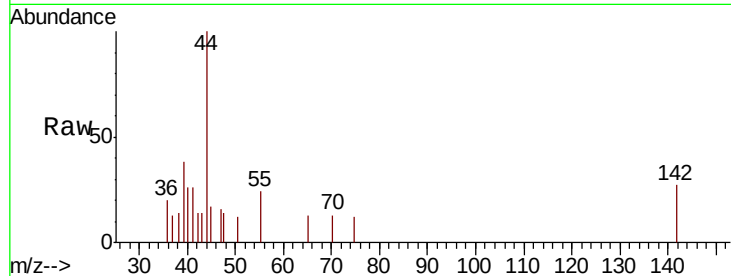




#10
Methyl Iodide
Concen: 7.062 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012146.D
Acq: 06 Sep 2019 14:18

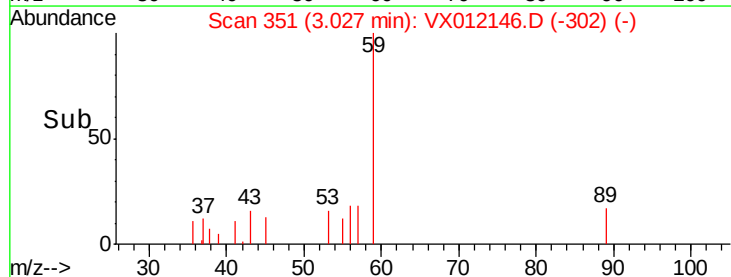
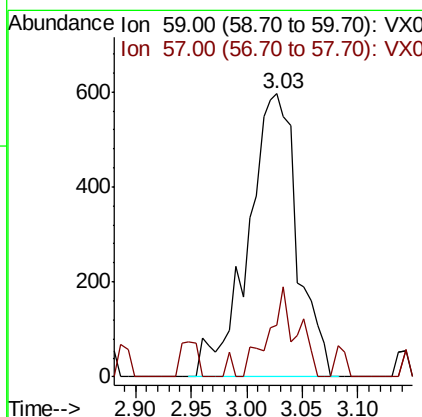
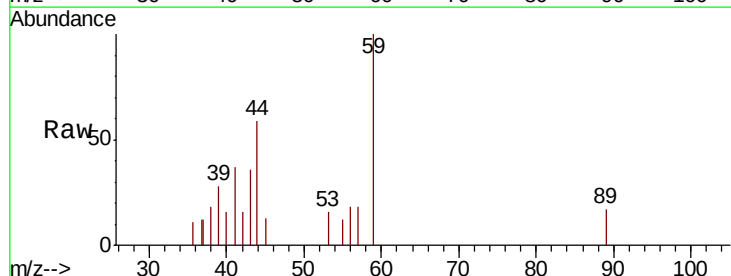
Instrument :
MSVOA_X
ClientSampleId :
T12-E2-(0)

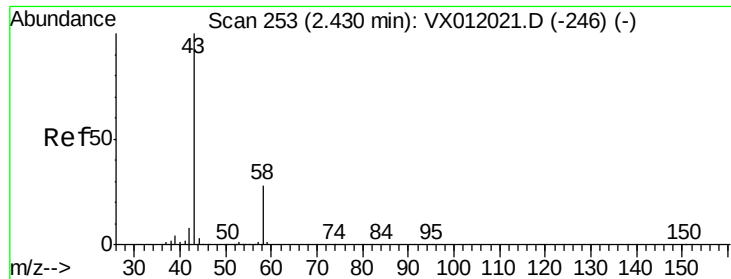
Tgt Ion: 142 Resp: 129
Ion Ratio Lower Upper
142 100
127 48.8 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 9.518 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012146.D
Acq: 06 Sep 2019 14:18

Tgt Ion: 59 Resp: 1836
Ion Ratio Lower Upper
59 100
57 18.2 7.9 11.9#





#16

Acetone

Concen: 4.056 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012146.D

Acq: 06 Sep 2019 14:18

Instrument :

MSVOA_X

ClientSampled :

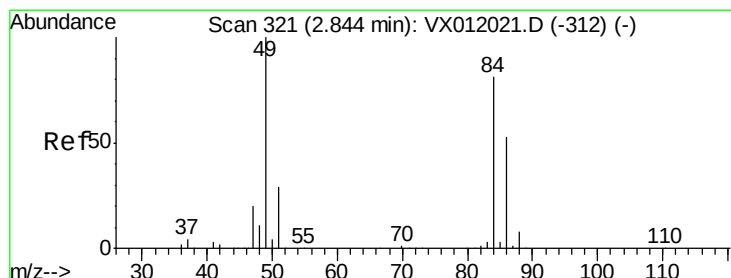
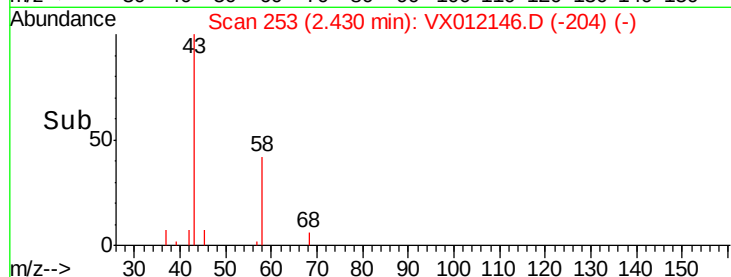
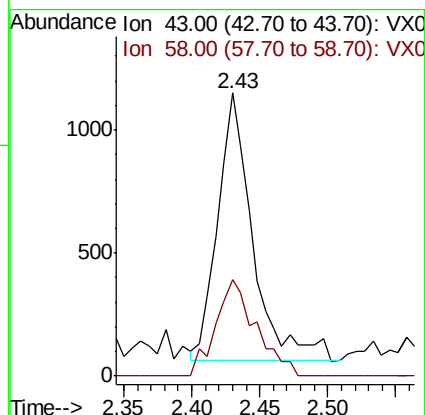
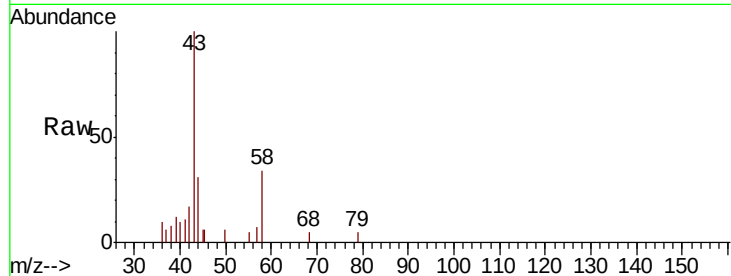
T12-E2-(0)

Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

58 35.8 22.8 34.2#



#20

Methylene Chloride

Concen: 3.944 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012146.D

Acq: 06 Sep 2019 14:18

Tgt Ion: 84 Resp: 7602

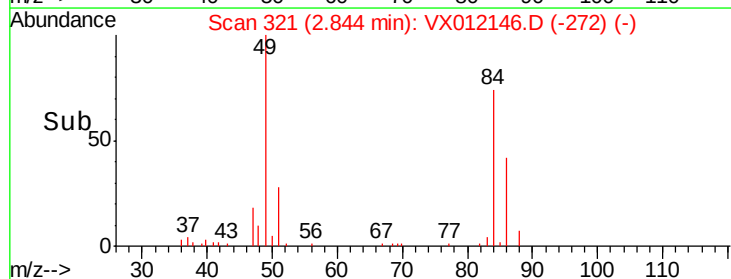
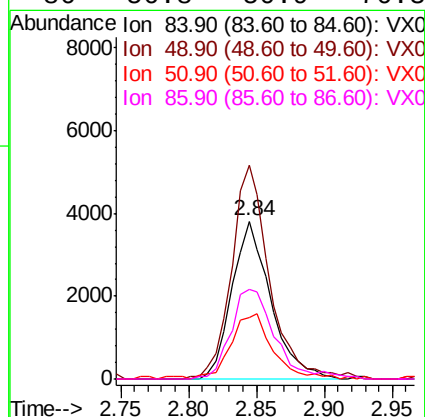
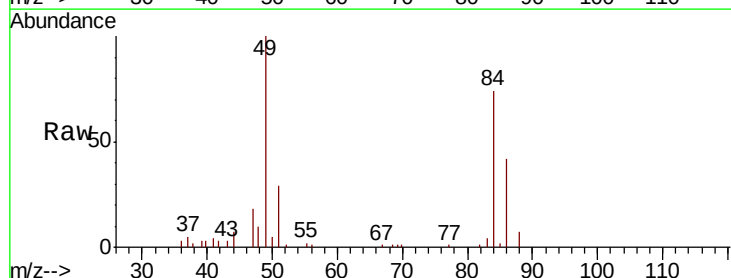
Ion Ratio Lower Upper

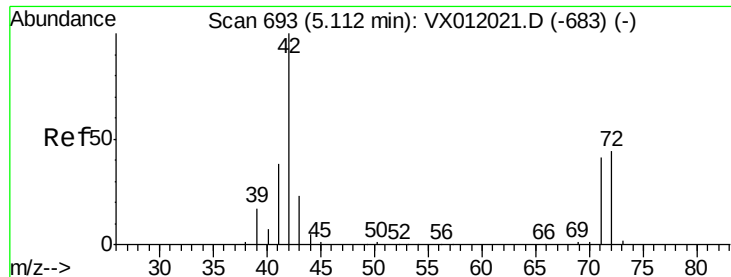
84 100

49 133.6 95.8 143.8

51 39.0 28.6 43.0

86 56.8 50.9 76.3

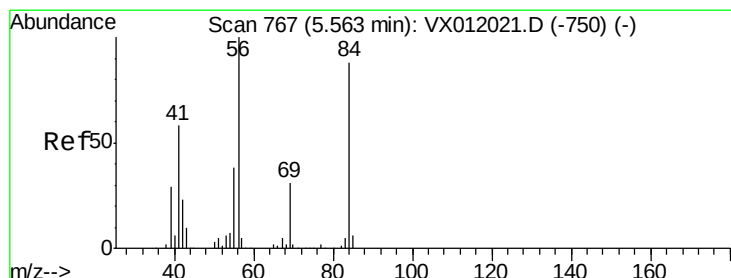
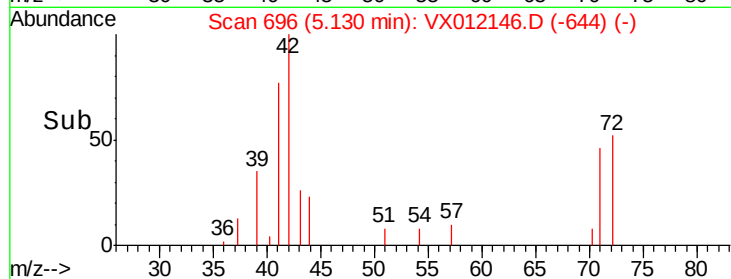
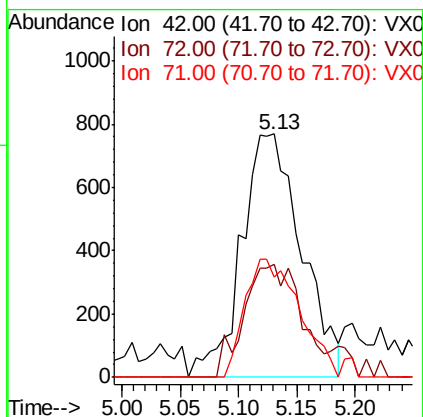
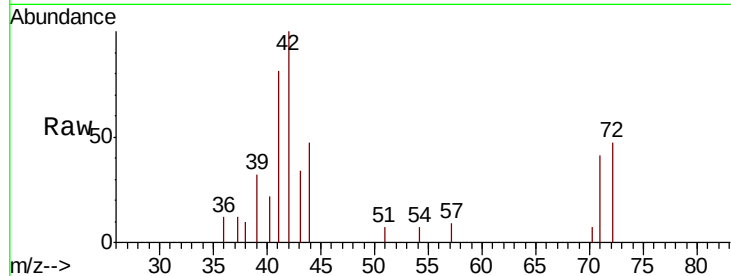




#29
Tetrahydrofuran
Concen: 7.502 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012146.D
Acq: 06 Sep 2019 14:18

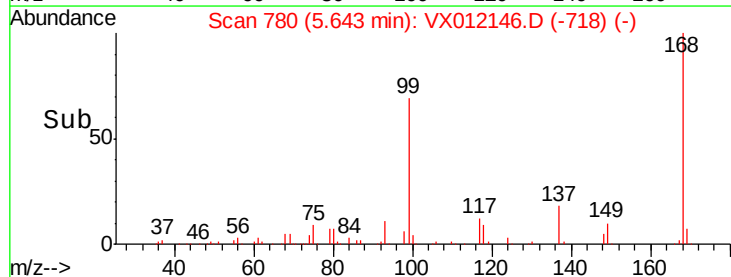
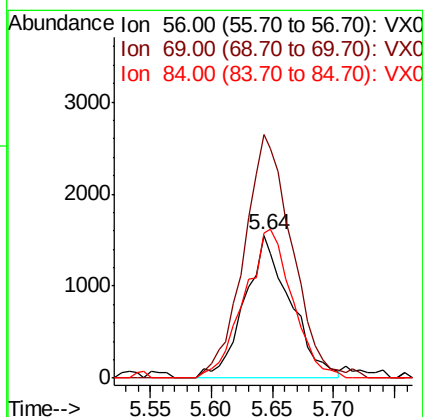
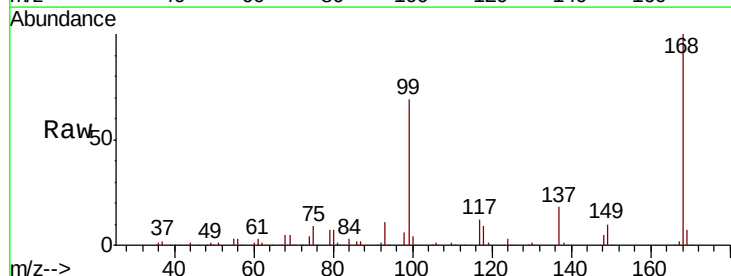
Instrument :
MSVOA_X
ClientSampleId :
T12-E2-(0)

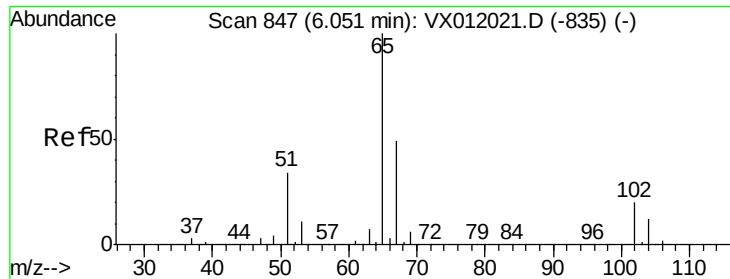
Tgt Ion: 42 Resp: 2762
Ion Ratio Lower Upper
42 100
72 43.6 37.0 55.4
71 43.8 33.8 50.8



#31
Cyclohexane
Concen: 1.645 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012146.D
Acq: 06 Sep 2019 14:18

Tgt Ion: 56 Resp: 4050
Ion Ratio Lower Upper
56 100
69 170.1 25.7 38.5#
84 101.2 70.3 105.5

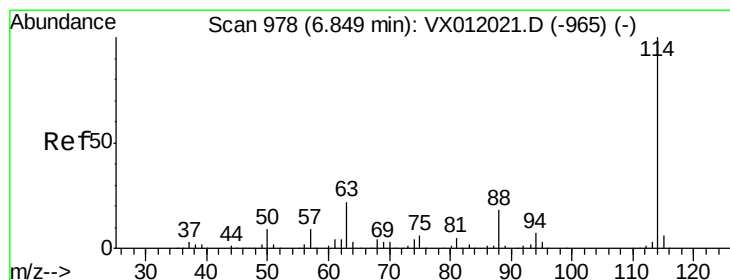
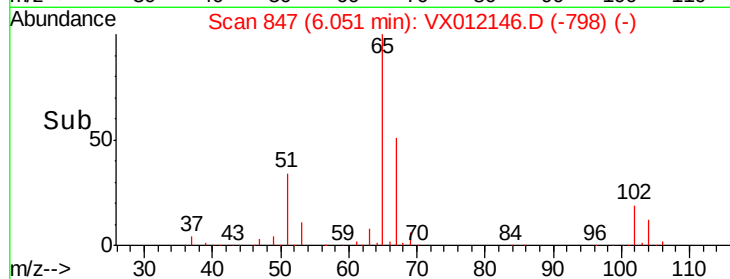
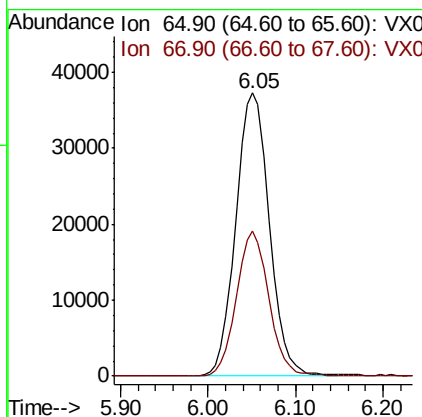
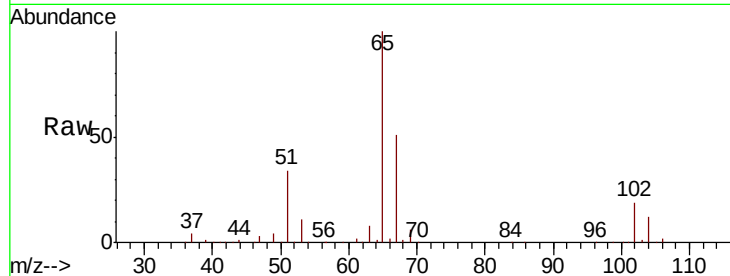




#33
 1,2-Dichloroethane-d4
 Concen: 49.535 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012146.D
 Acq: 06 Sep 2019 14:18

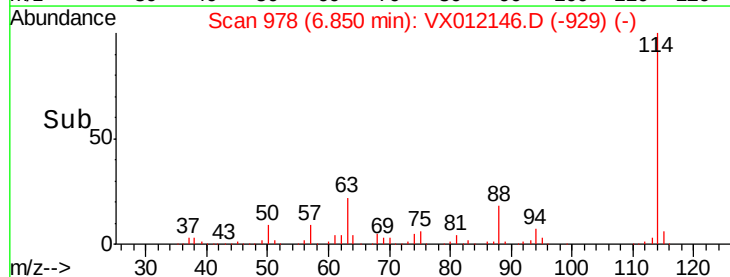
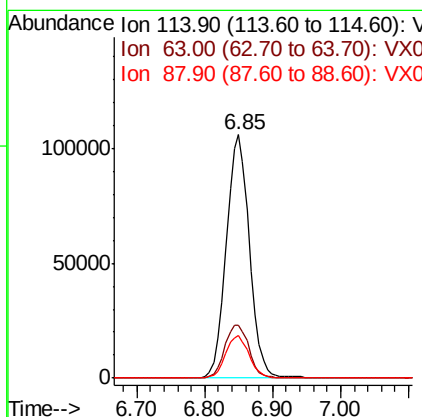
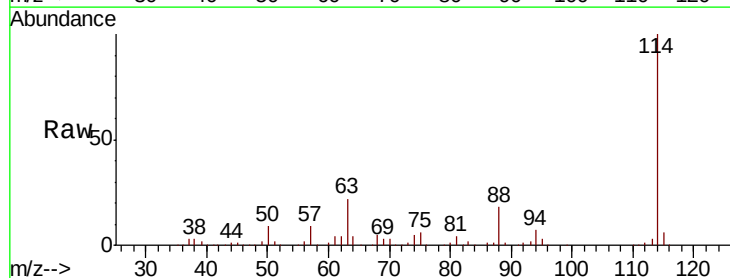
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E2-(0)

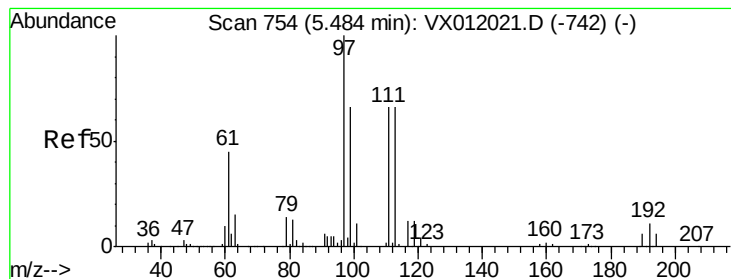
Tgt Ion: 65 Resp: 99483
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012146.D
 Acq: 06 Sep 2019 14:18

Tgt Ion: 114 Resp: 249850
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 37.4
 88 17.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.111 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012146.D

Acq: 06 Sep 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

T12-E2-(0)

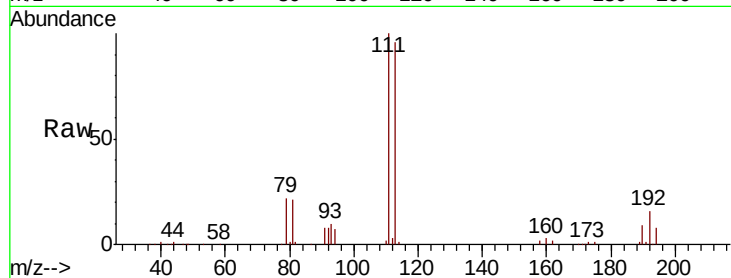
Tgt Ion:113 Resp: 75459

Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

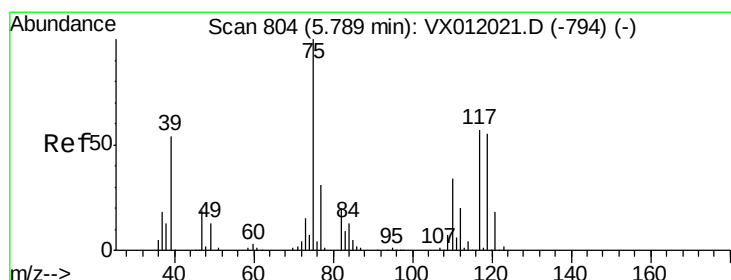
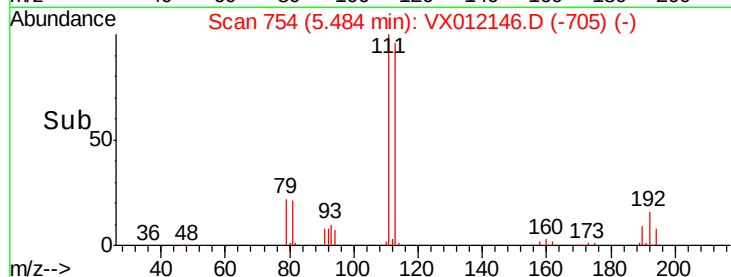
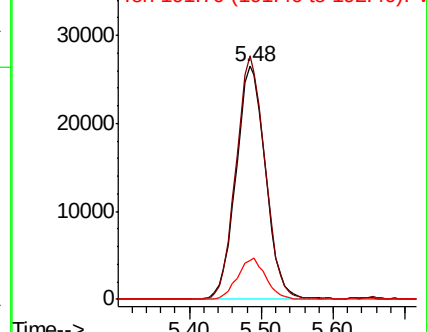
192 16.9 22.5 33.7#



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: 6.063 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012146.D

Acq: 06 Sep 2019 14:18

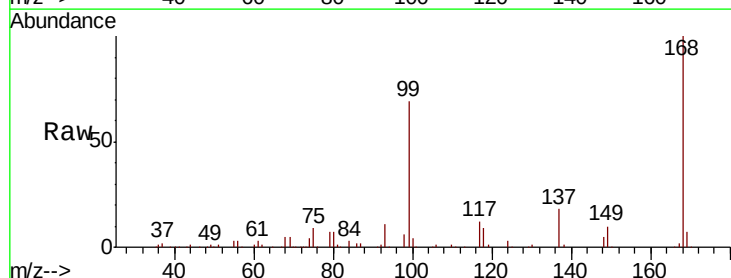
Tgt Ion: 75 Resp: 13343

Ion Ratio Lower Upper

75 100

110 9.6 19.5 58.5#

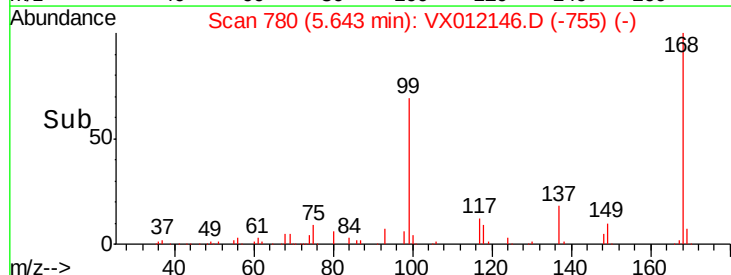
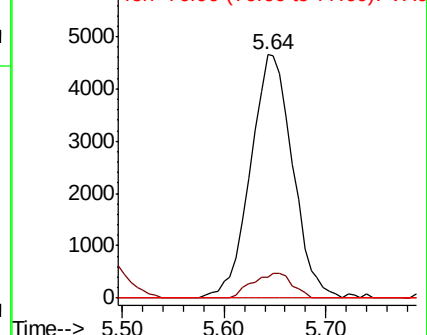
77 0.0 24.6 37.0#

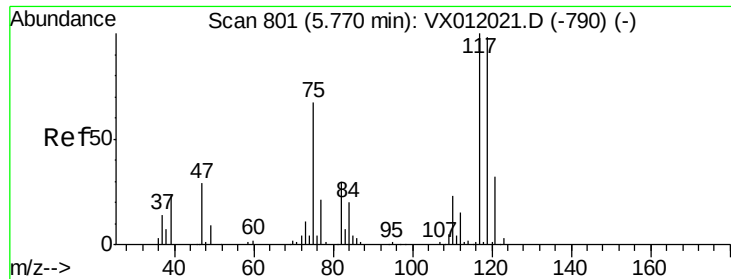


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

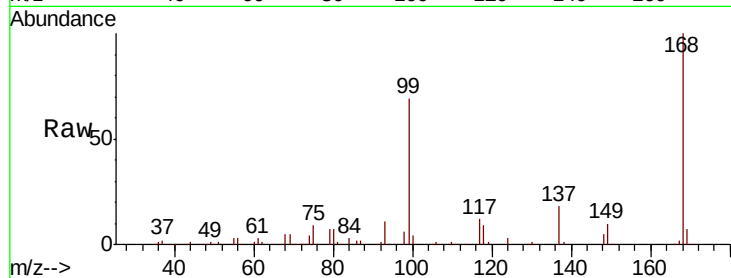




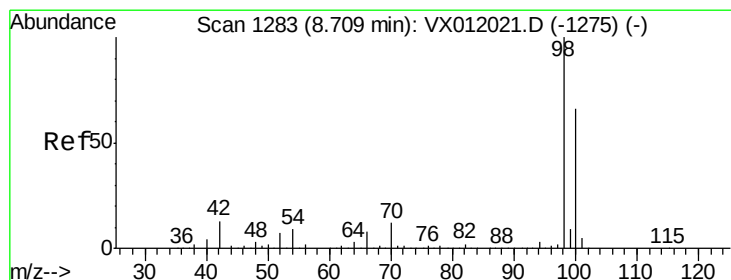
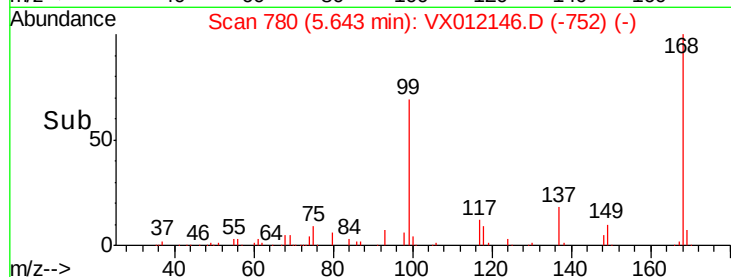
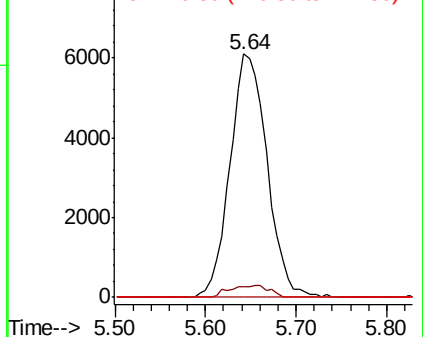
#38
Carbon Tetrachloride
Concen: 7.466 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012146.D
Acq: 06 Sep 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
T12-E2-(0)

Tgt Ion:117 Resp: 17313
Ion Ratio Lower Upper
117 100
119 4.3 78.3 117.5#
121 0.0 24.2 36.2#

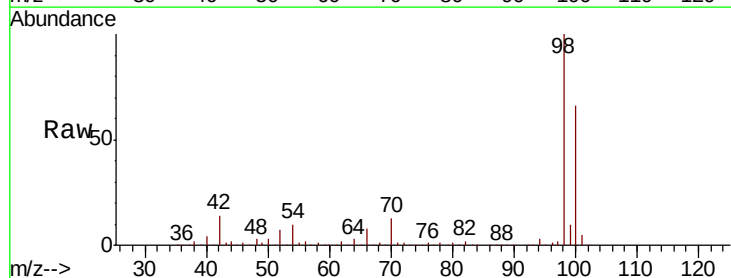


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

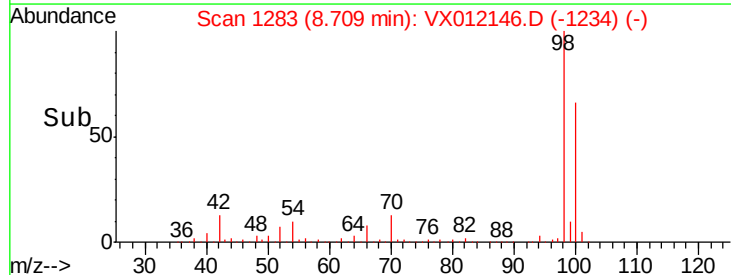
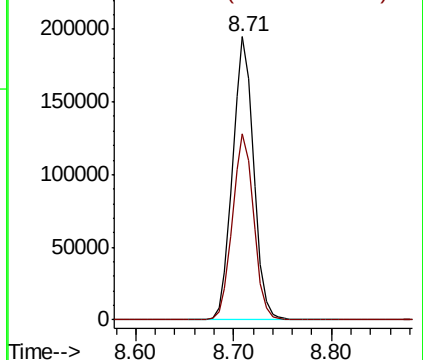


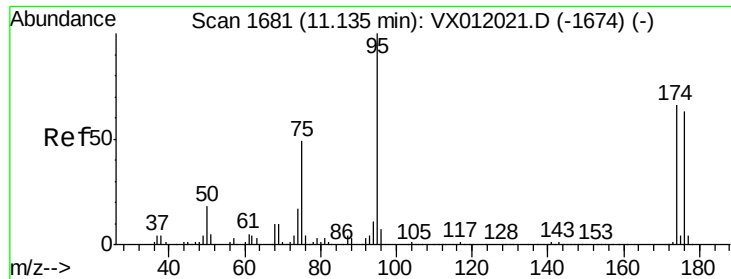
#50
Toluene-d8
Concen: 51.706 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012146.D
Acq: 06 Sep 2019 14:18

Tgt Ion: 98 Resp: 291533
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

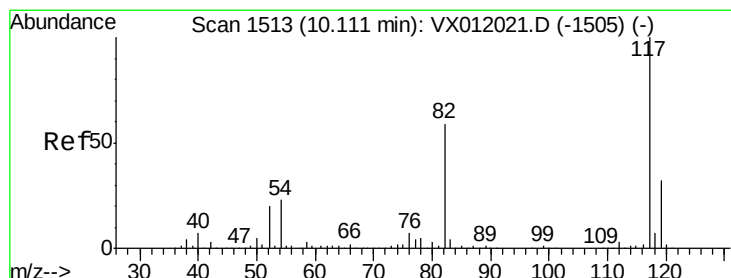
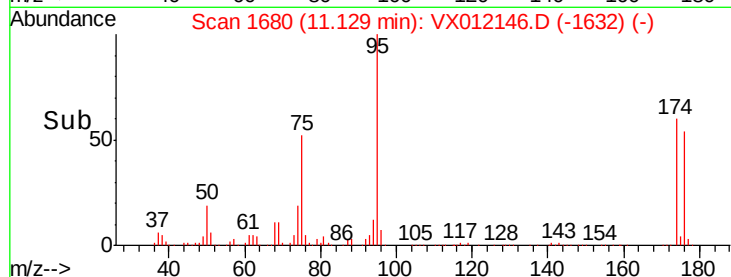
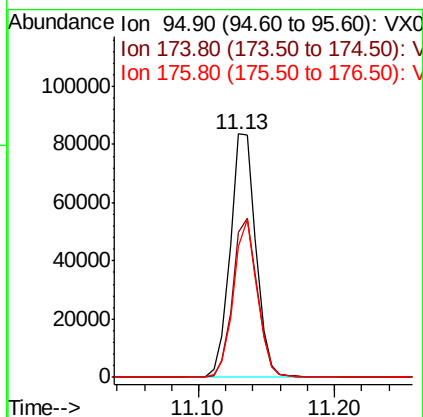
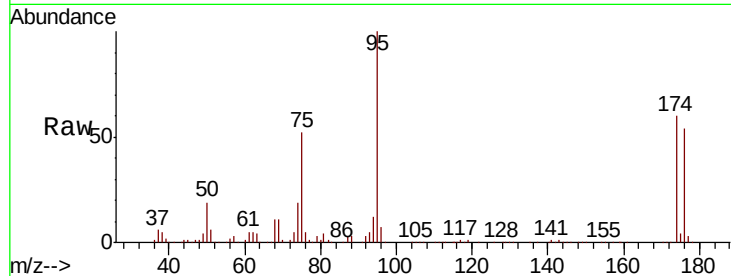




#62
 4-Bromofluorobenzene
 Concen: 41.799 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012146.D
 Acq: 06 Sep 2019 14:18

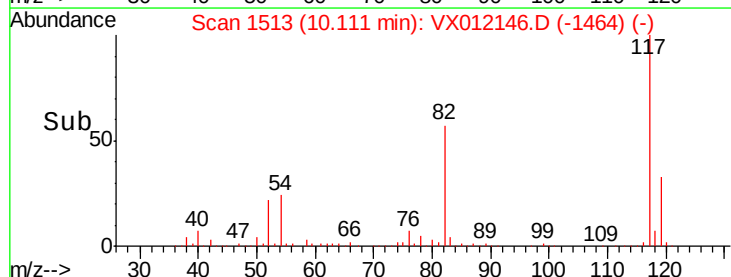
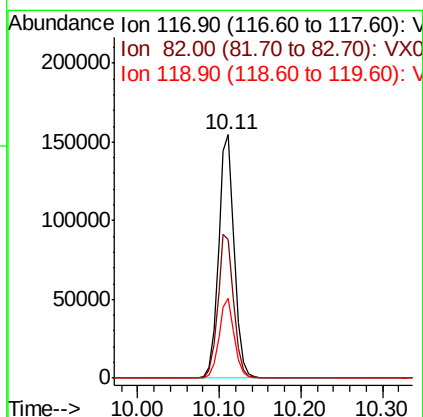
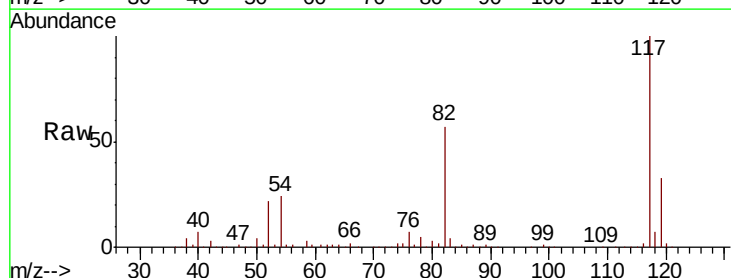
Instrument :
 MSVOA_X
 ClientSampled :
 T12-E2-(0)

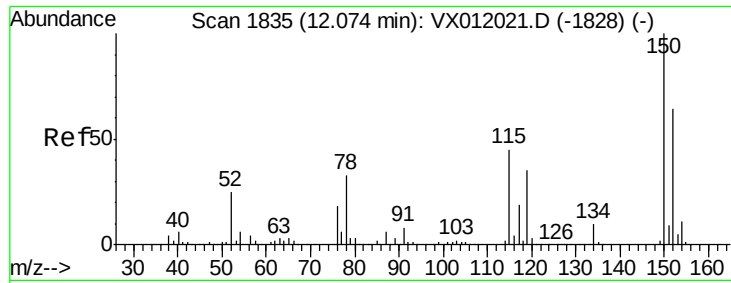
Tgt Ion: 95 Resp: 109603
 Ion Ratio Lower Upper
 95 100
 174 63.3 0.0 205.4
 176 60.2 0.0 201.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX012146.D
 Acq: 06 Sep 2019 14:18

Tgt Ion: 117 Resp: 207862
 Ion Ratio Lower Upper
 117 100
 82 57.0 39.4 59.0
 119 32.9 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: VX012146.D

Acq: 06 Sep 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

T12-E2-(0)

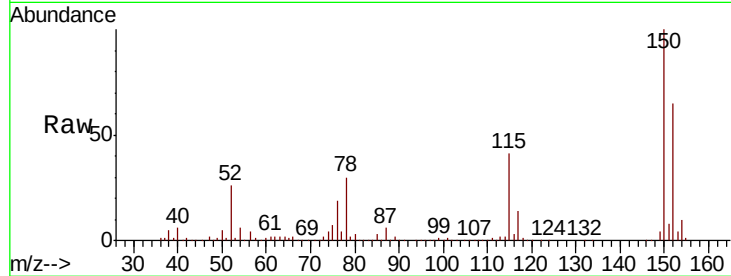
Tgt Ion:152 Resp: 81395

Ion Ratio Lower Upper

152 100

115 64.9 36.4 109.3

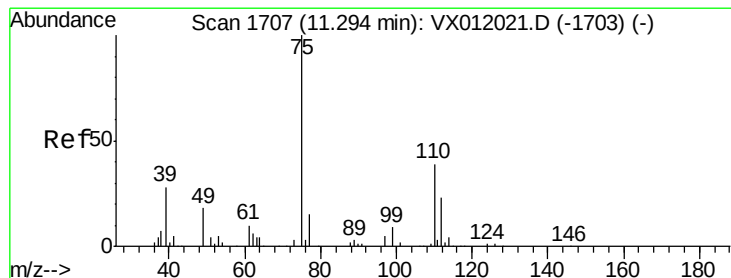
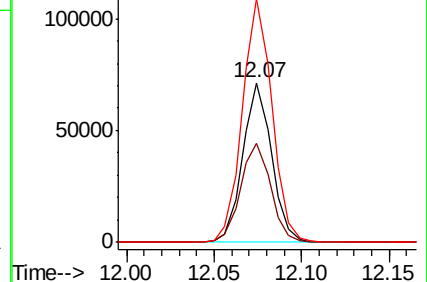
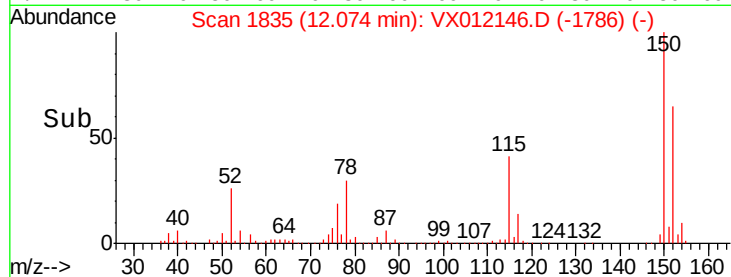
150 157.9 0.0 341.2



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: 56.883 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012146.D

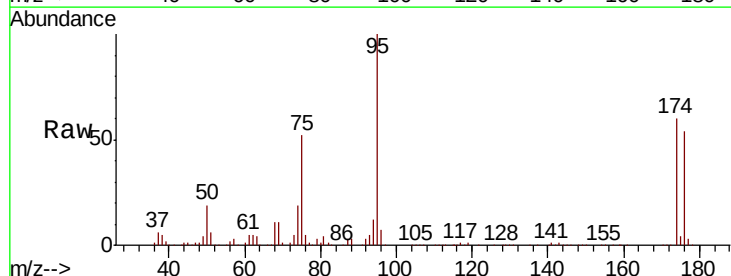
Acq: 06 Sep 2019 14:18

Tgt Ion: 75 Resp: 56571

Ion Ratio Lower Upper

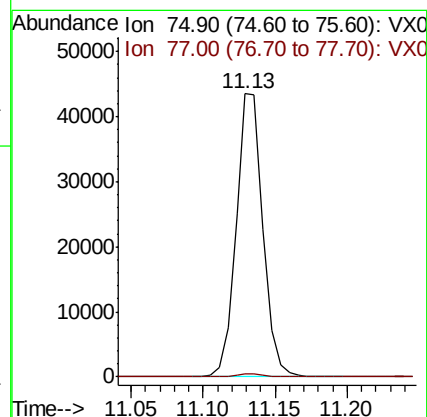
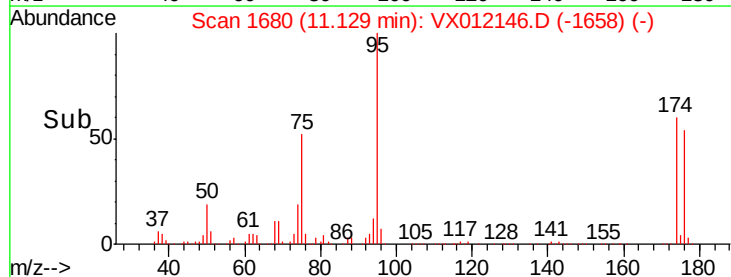
75 100

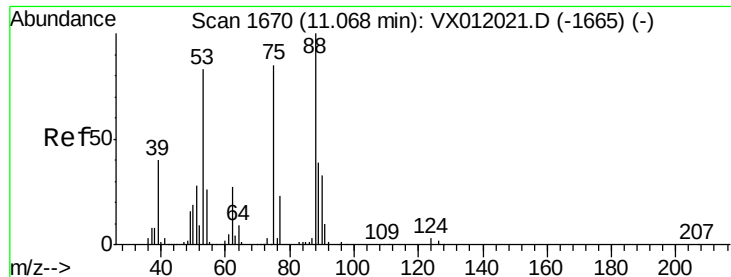
77 1.1 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

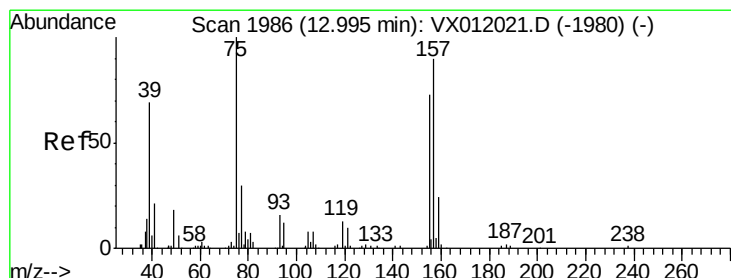
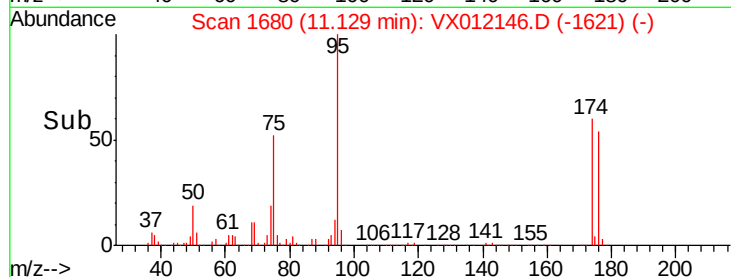
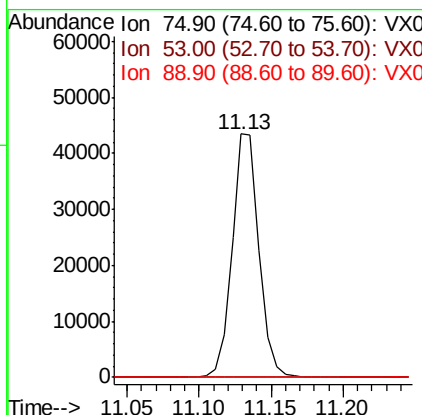
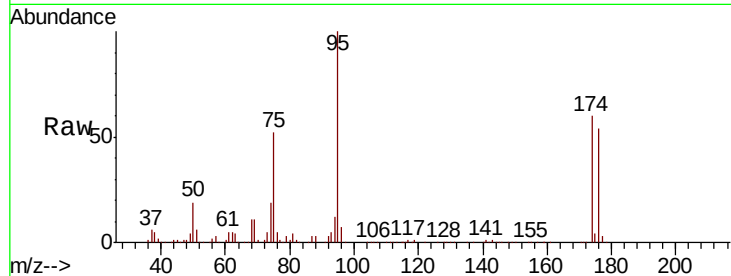




#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.479 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012146.D
 Acq: 06 Sep 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-E2-(0)

Tgt Ion: 75 Resp: 56571
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.084 ug/l
 RT: 12.81 min Scan# 1956
 Delta R.T. -0.18 min
 Lab File: VX012146.D
 Acq: 06 Sep 2019 14:18

Tgt Ion: 75 Resp: 543
 Ion Ratio Lower Upper
 75 100
 155 3.7 51.7 155.2#
 157 0.0 66.9 200.7#

