

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012388.D
 Acq On : 13 Sep 2019 15:53
 Operator : SY/SP
 Sample : K4695-09
 Misc : 6.32g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-2-(0)

Quant Time: Sep 14 00:04:56 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	158220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269992	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	75367	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	105098	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
35) Dibromofluoromethane	5.48	113	79703	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
50) Toluene-d8	8.71	98	310229	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.14	95	99522	35.36	ug/l	0.00
Spiked Amount			Recovery	=	70.72%	

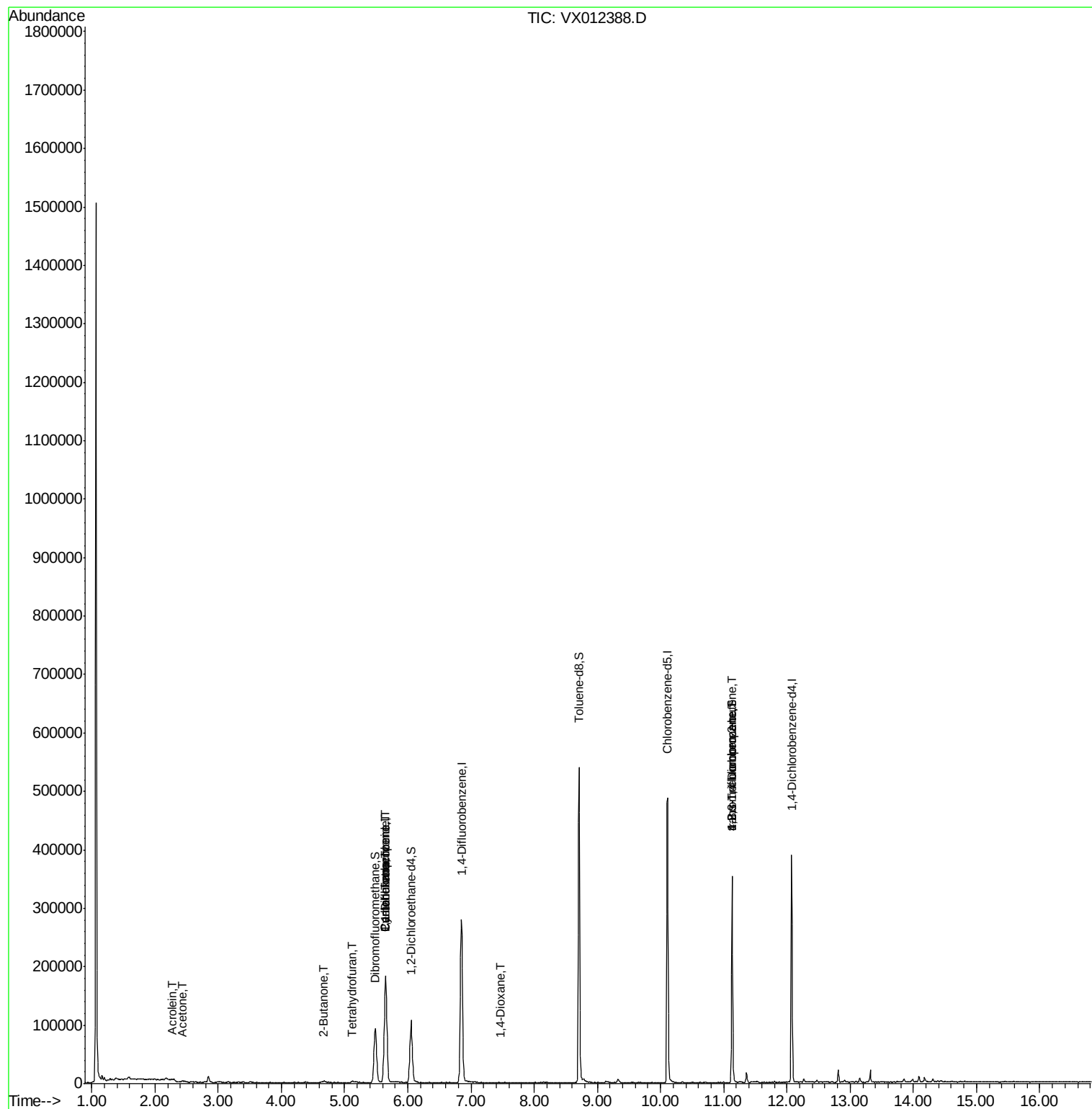
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	206	Below Cal	#	4
11) Tert butyl alcohol	3.02	59	1387	Below Cal	#	76
13) Acrolein	2.27	56	147	1.257	ug/l #	1
16) Acetone	2.43	43	2389	4.511	ug/l	94
25) 2-Butanone	4.66	43	785	1.160	ug/l #	50
29) Tetrahydrofuran	5.13	42	1982	5.427	ug/l	92
31) Cyclohexane	5.65	56	4479	2.156	ug/l #	23
36) 1,1-Dichloropropene	5.64	75	13589	6.903	ug/l #	48
38) Carbon Tetrachloride	5.64	117	18182	7.872	ug/l #	13
49) 1,4-Dioxane	7.47	88	19	1.147	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	52358	54.078	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	52358	162.029	ug/l #	5

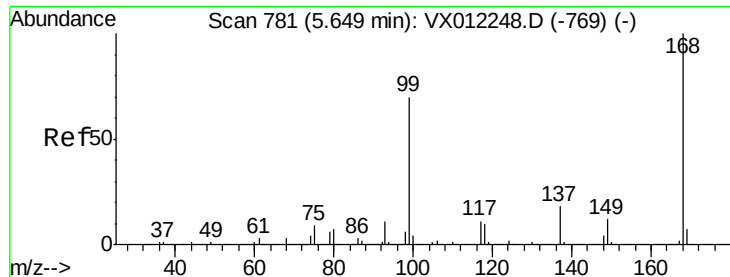
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
Data File : VX012388.D
Acq On : 13 Sep 2019 15:53
Operator : SY/SP
Sample : K4695-09
Misc : 6.32g/5.0mL/MSVOA_X/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T5-2-(0)

Quant Time: Sep 14 00:04:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 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: VX012388.D

Acq: 13 Sep 2019 15:53

Instrument :

MSVOA_X

ClientSampled :

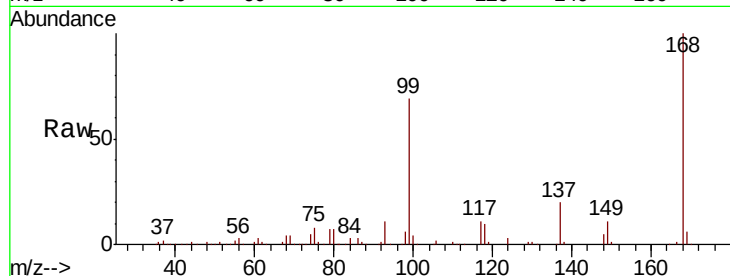
T5-2-(0)

Tgt Ion: 168 Resp: 158220

Ion Ratio Lower Upper

168 100

99 68.9 55.8 83.6



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

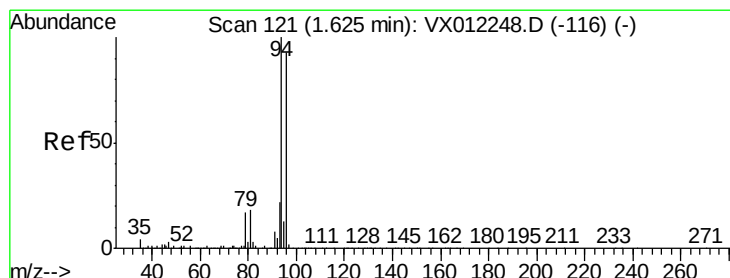
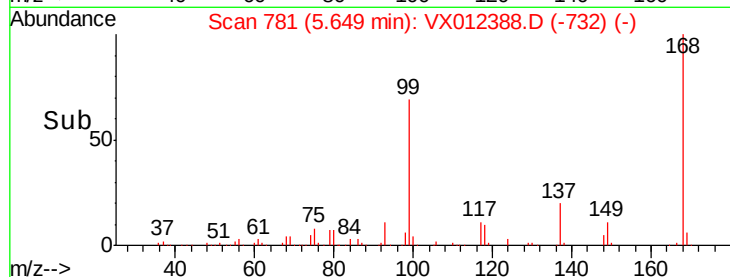
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012388.D

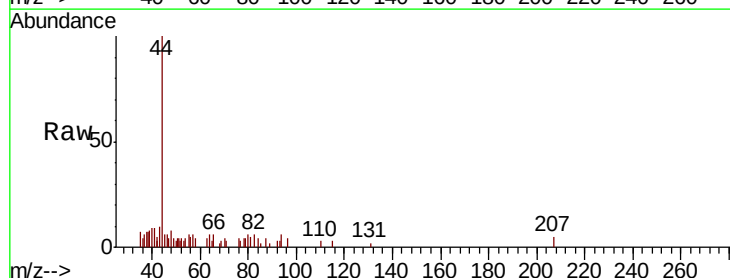
Acq: 13 Sep 2019 15:53

Tgt Ion: 94 Resp: 206

Ion Ratio Lower Upper

94 100

96 0.7 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

150

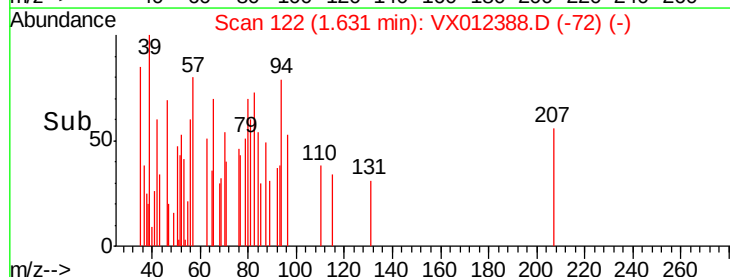
100

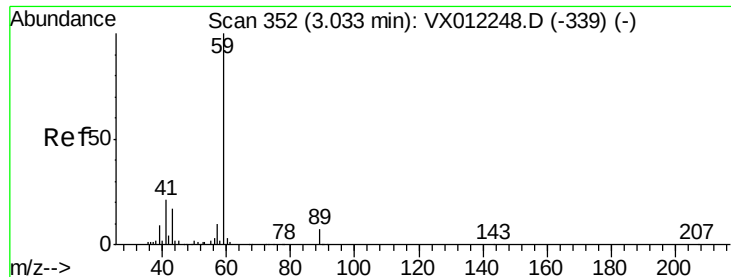
50

0

Time-->

1.62 1.64 1.66

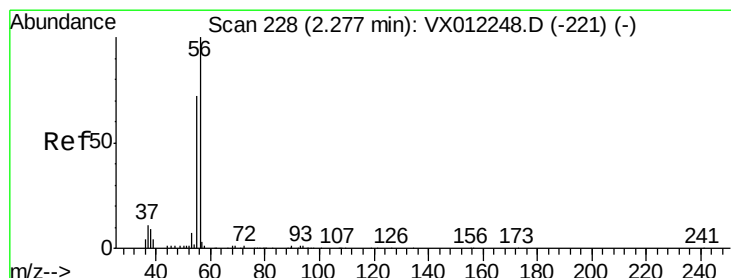
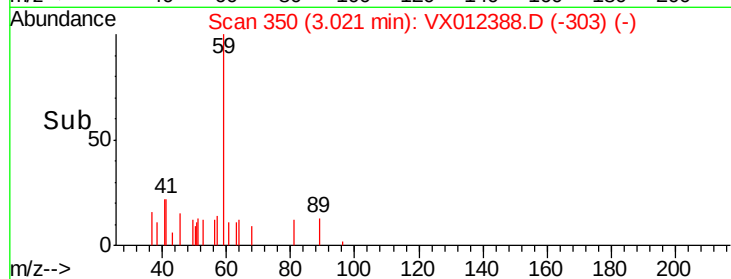
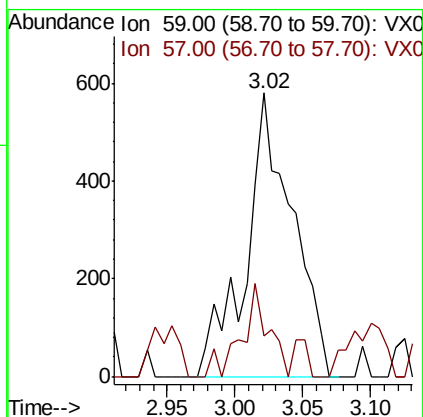
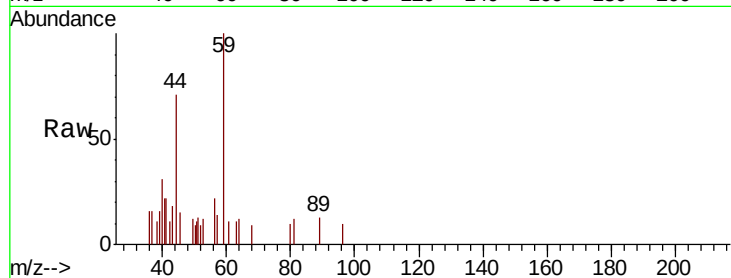




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

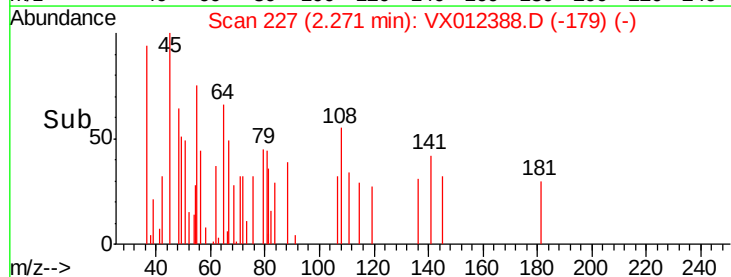
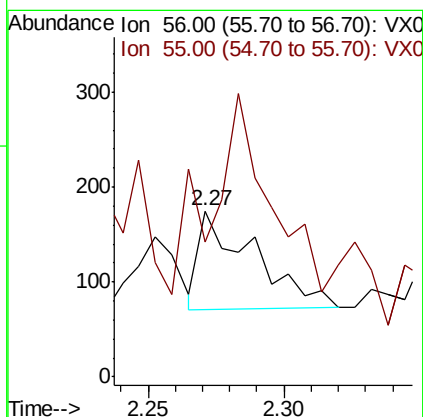
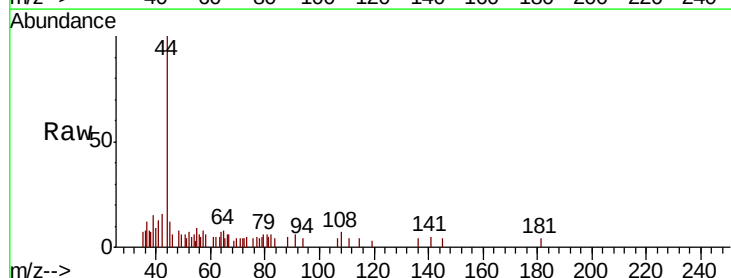
Instrument :
MSVOA_X
ClientSampleId :
T5-2-(0)

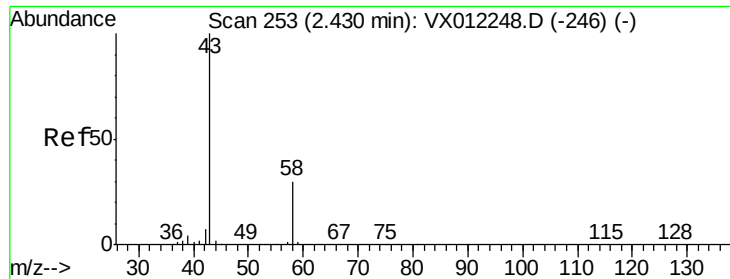
Tgt Ion: 59 Resp: 1387
Ion Ratio Lower Upper
59 100
57 18.7 7.8 11.6#



#13
Acrolein
Concen: 1.257 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 406.1 59.8 89.6#





#16

Acetone

Concen: 4.511 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012388.D

Acq: 13 Sep 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

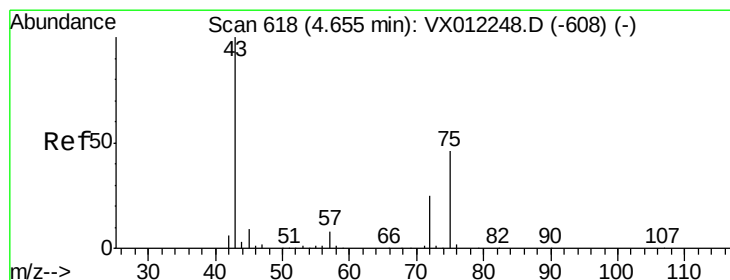
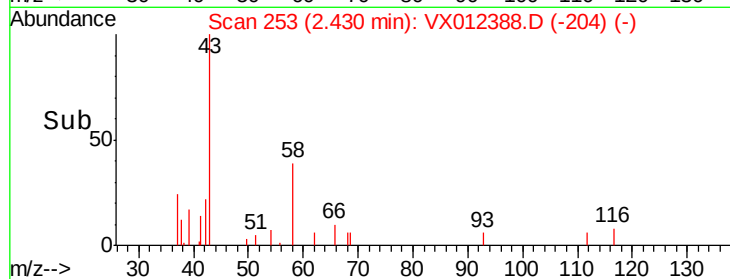
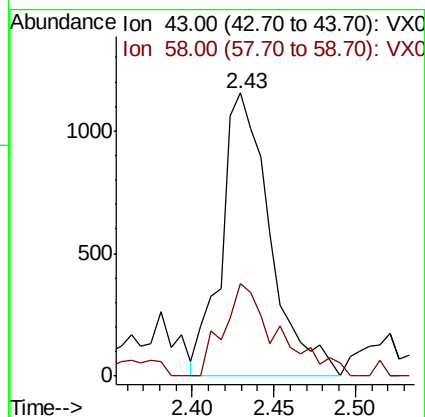
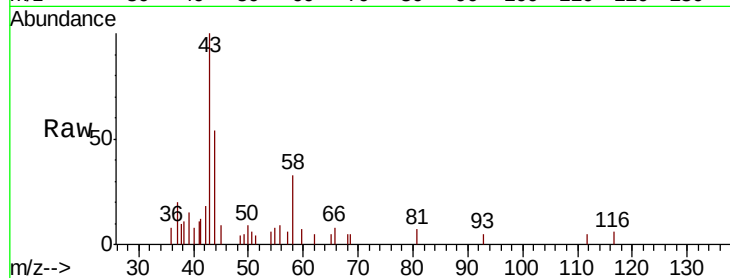
T5-2-(0)

Tgt Ion: 43 Resp: 2389

Ion Ratio Lower Upper

43 100

58 32.8 23.6 35.4



#25

2-Butanone

Concen: 1.160 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012388.D

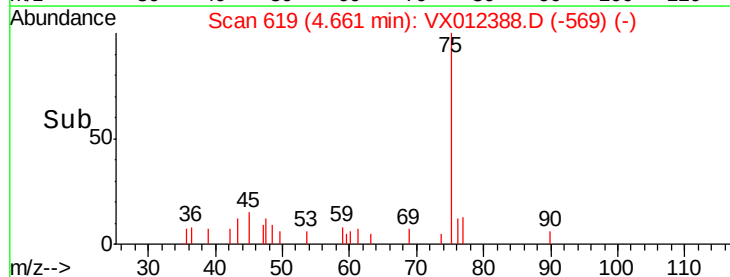
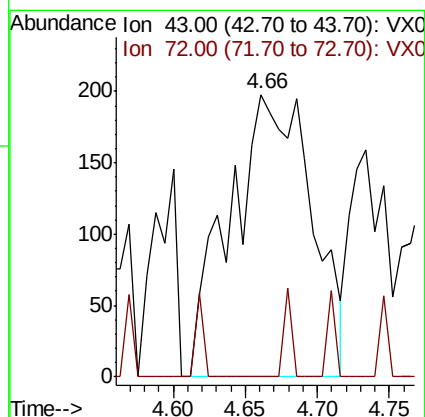
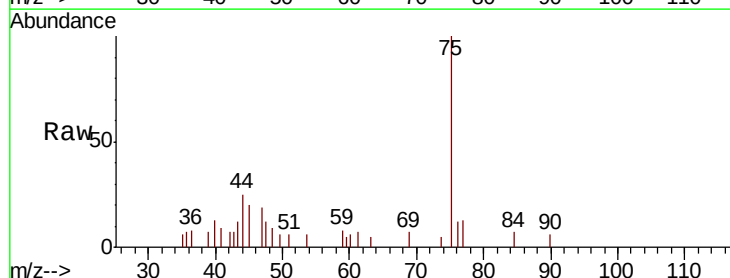
Acq: 13 Sep 2019 15:53

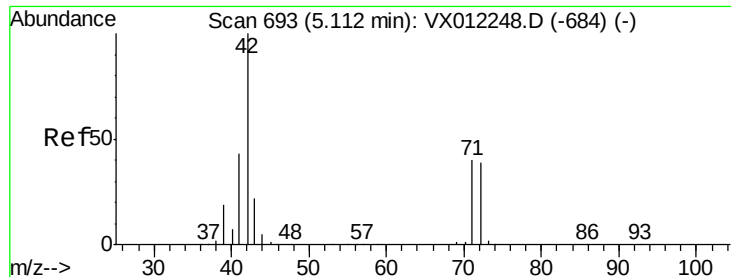
Tgt Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#





#29

Tetrahydrofuran

Concen: 5.427 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012388.D

Acq: 13 Sep 2019 15:53

Instrument :

MSVOA_X

ClientSampled :

T5-2-(0)

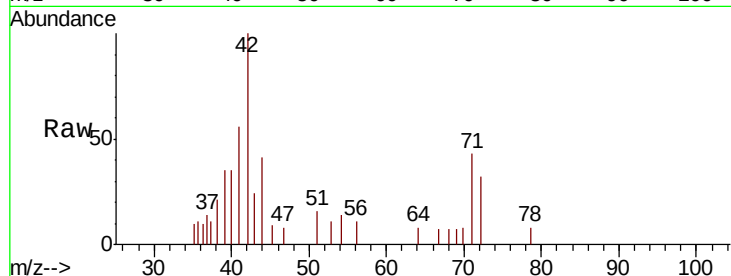
Tgt Ion: 42 Resp: 1982

Ion Ratio Lower Upper

42 100

72 39.4 35.2 52.8

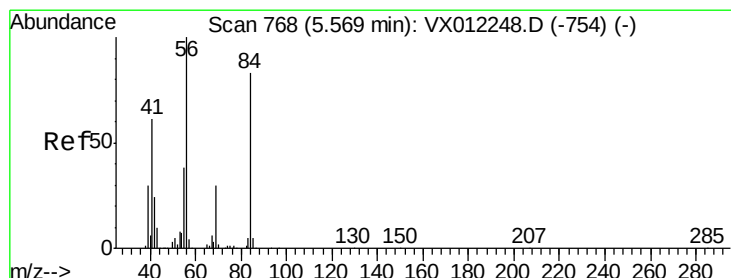
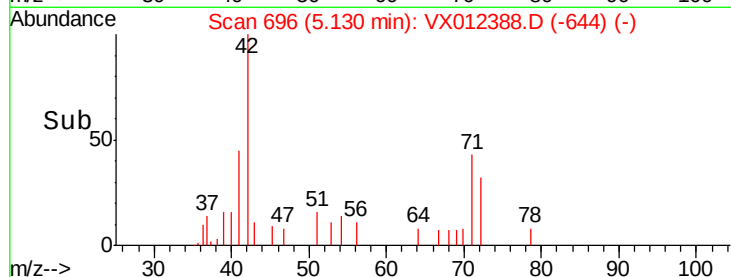
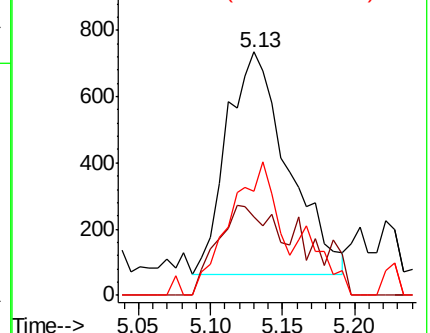
71 46.4 32.5 48.7



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: 2.156 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012388.D

Acq: 13 Sep 2019 15:53

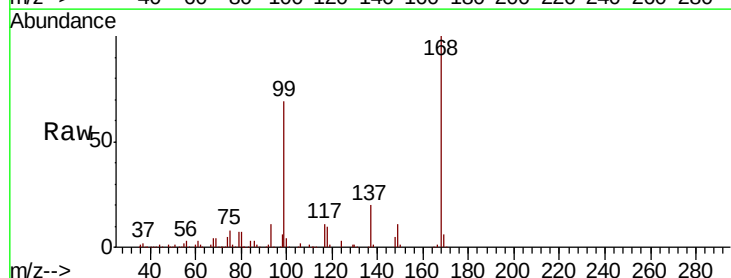
Tgt Ion: 56 Resp: 4479

Ion Ratio Lower Upper

56 100

69 132.7 23.8 35.6#

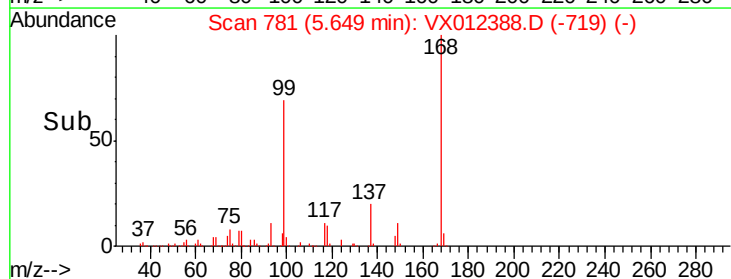
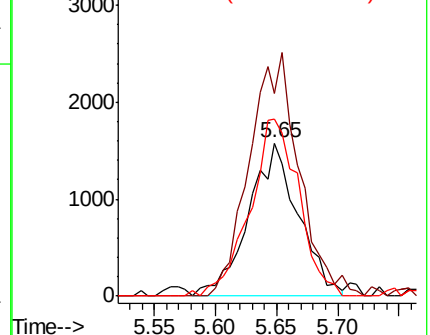
84 116.0 66.6 100.0#

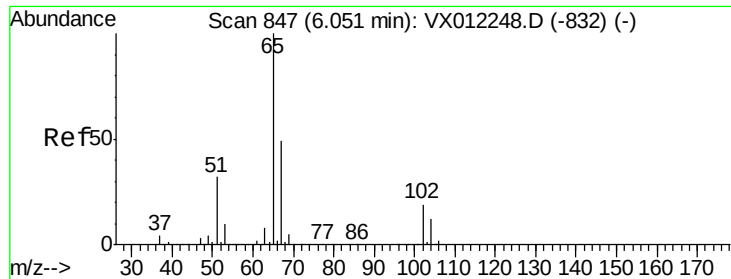


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

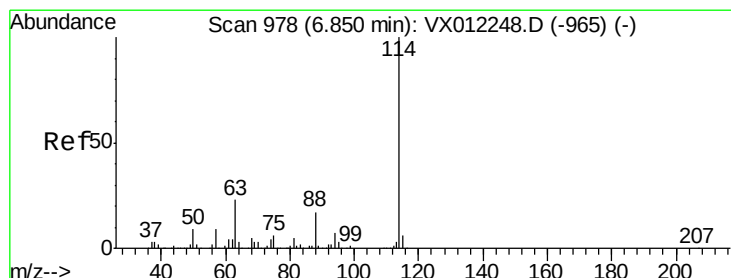
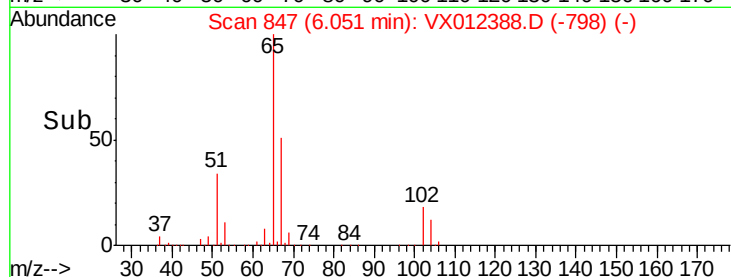
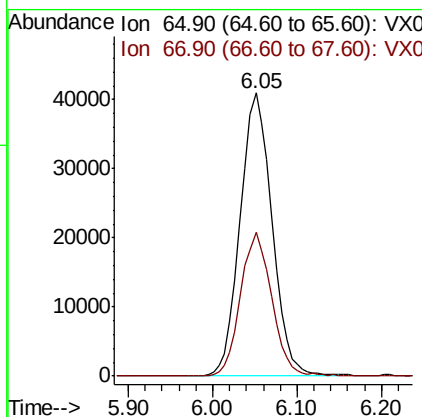
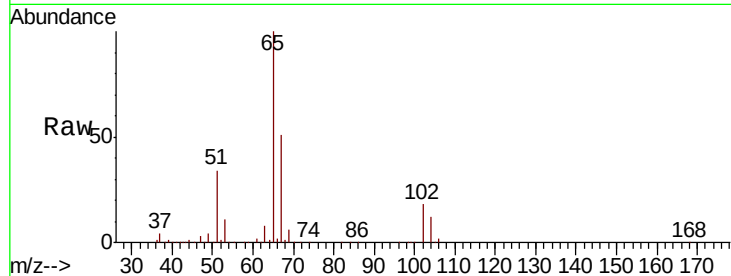




#33
 1,2-Dichloroethane-d4
 Concen: 46.983 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012388.D
 Acq: 13 Sep 2019 15:53

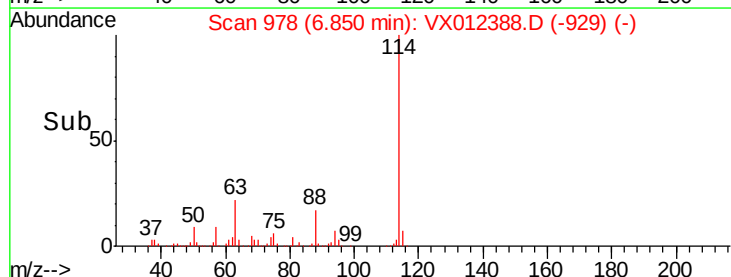
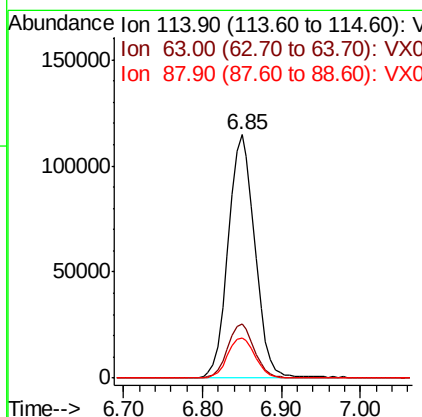
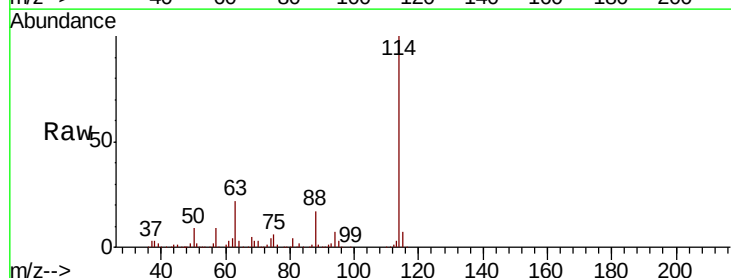
Instrument :
 MSVOA_X
 ClientSampleId :
 T5-2-(0)

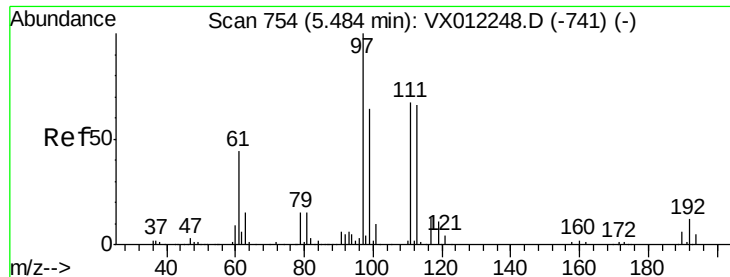
Tgt Ion: 65 Resp: 105098
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012388.D
 Acq: 13 Sep 2019 15:53

Tgt Ion: 114 Resp: 269992
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 16.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.051 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012388.D

Acq: 13 Sep 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

T5-2-(0)

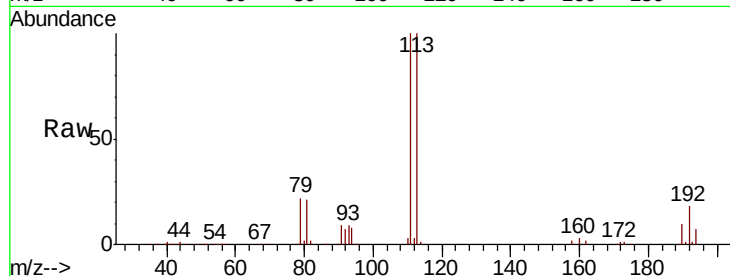
Tgt Ion:113 Resp: 79703

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

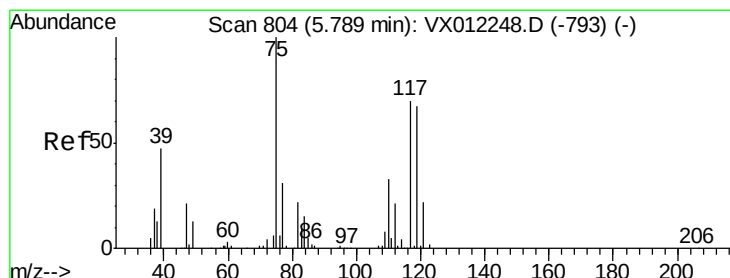
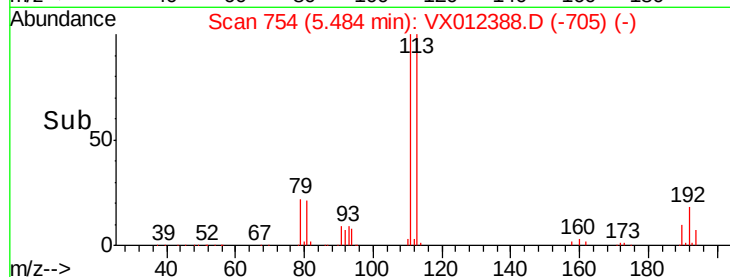
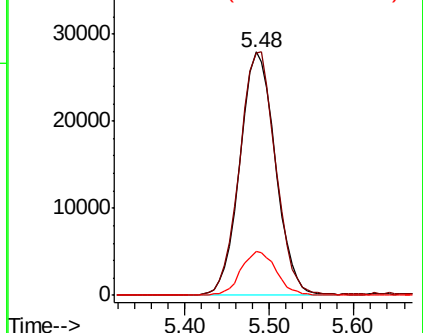
192 18.0 14.3 21.5



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: 6.903 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012388.D

Acq: 13 Sep 2019 15:53

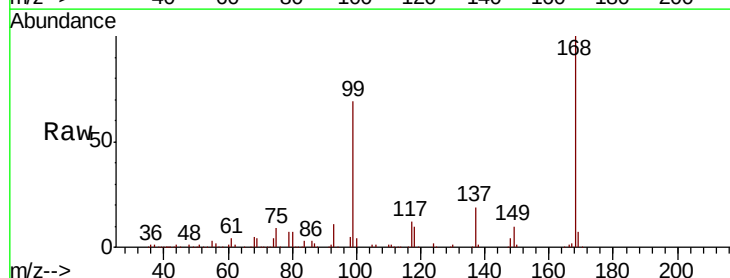
Tgt Ion: 75 Resp: 13589

Ion Ratio Lower Upper

75 100

110 5.6 16.8 50.4#

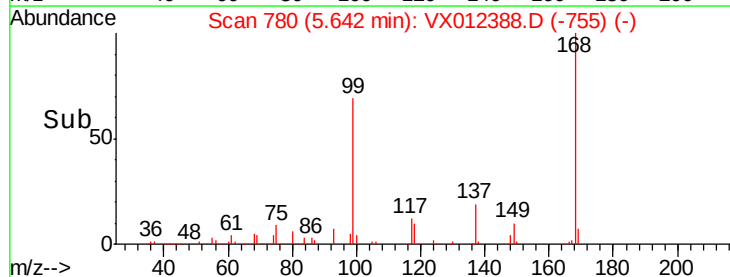
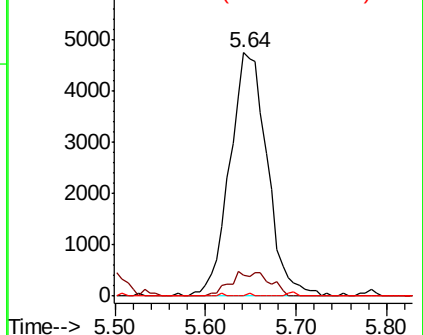
77 0.1 24.5 36.7#

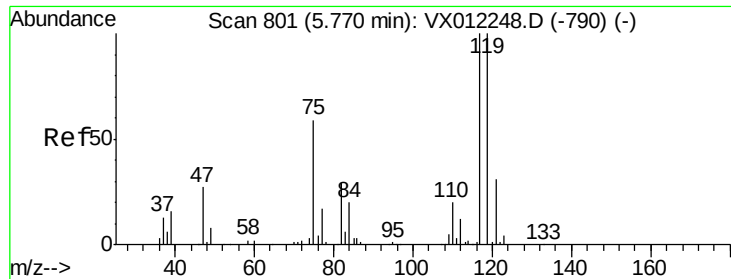


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

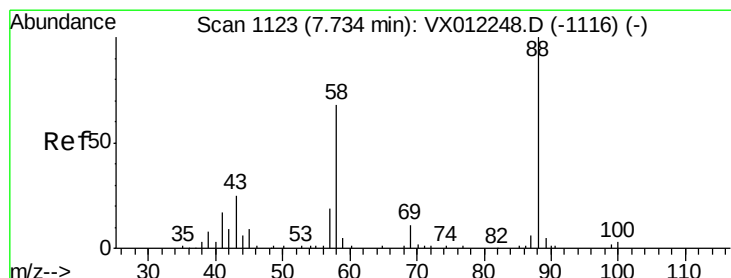
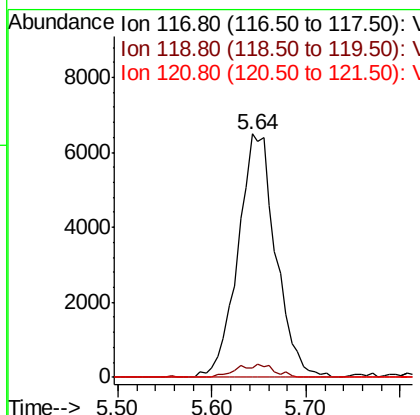
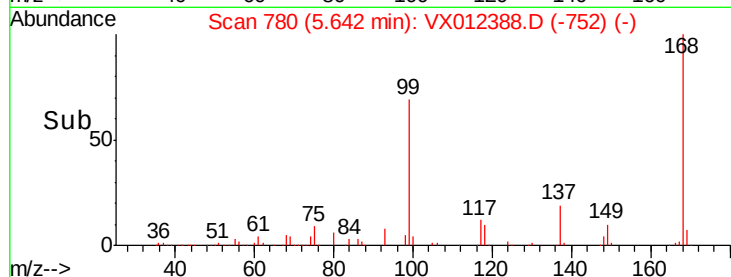
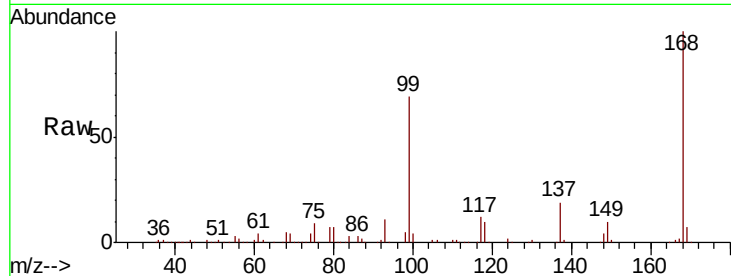




#38
Carbon Tetrachloride
Concen: 7.872 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

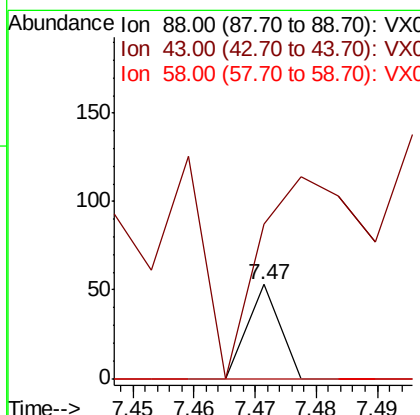
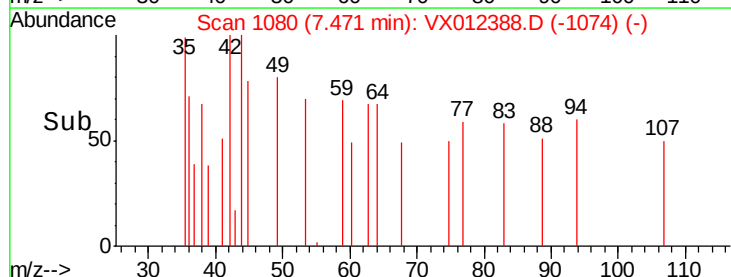
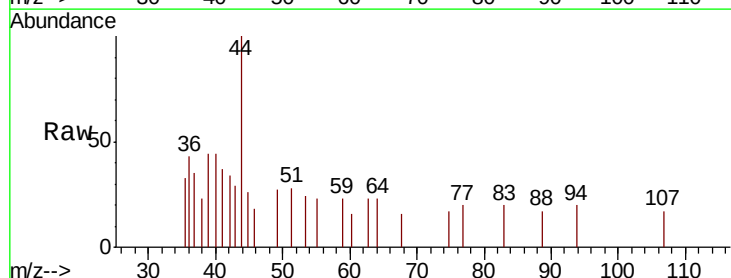
Instrument :
MSVOA_X
ClientSampleId :
T5-2-(0)

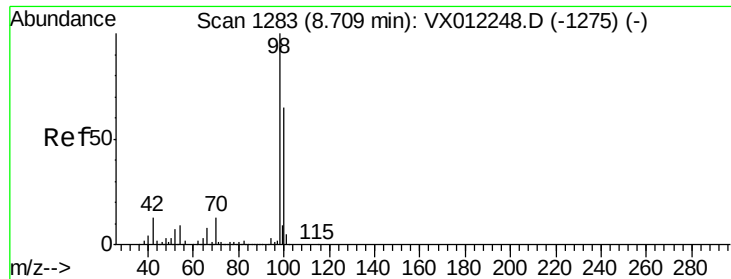
Tgt Ion: 117 Resp: 18182
Ion Ratio Lower Upper
117 100
119 3.8 79.6 119.4#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.147 ug/l
RT: 7.47 min Scan# 1080
Delta R.T. -0.26 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 731.6 31.0 46.4#
58 0.0 61.5 92.3#

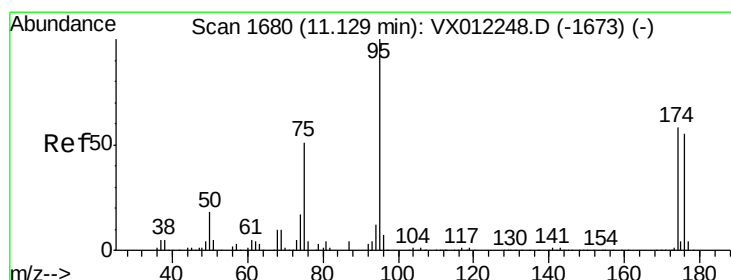
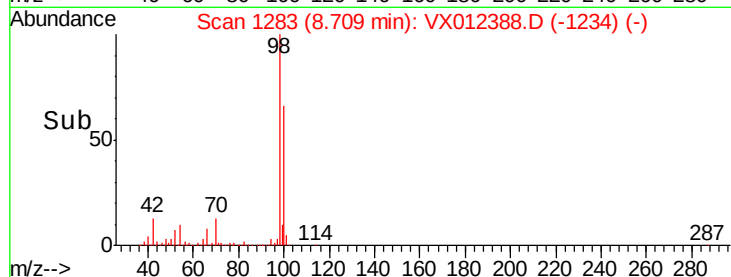
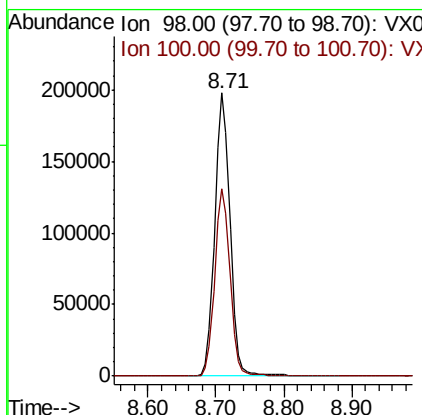
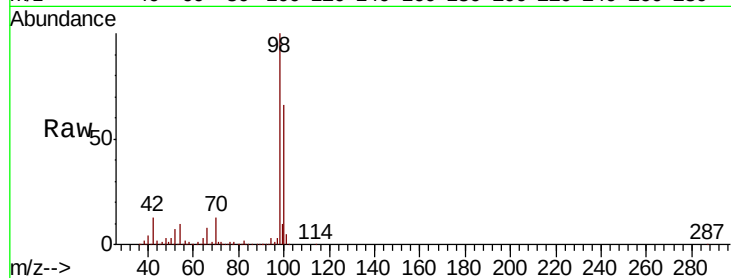




#50
Toluene-d8
Concen: 51.105 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

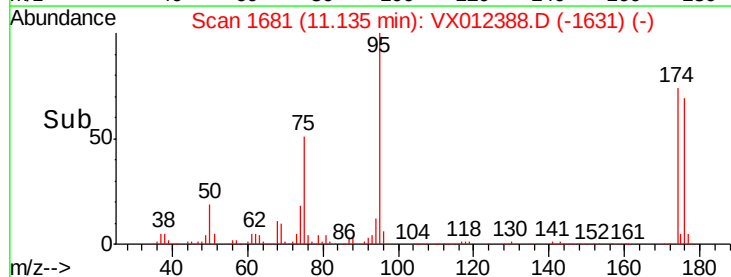
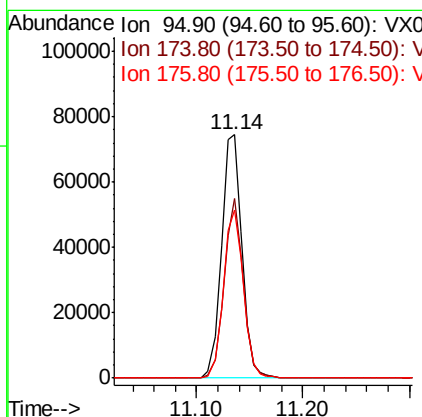
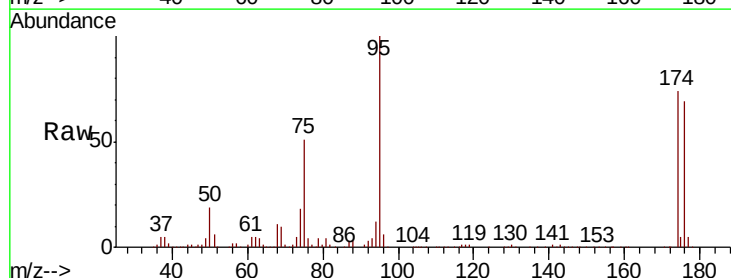
Instrument :
MSVOA_X
ClientSampleId :
T5-2-(0)

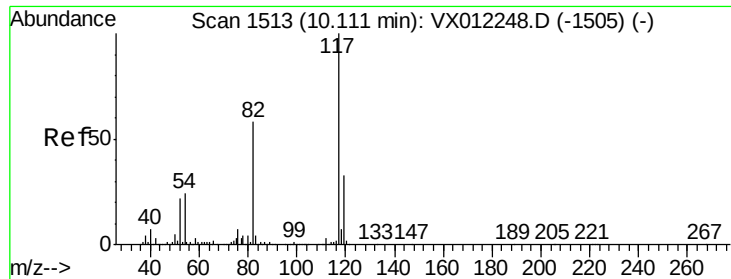
Tgt Ion: 98 Resp: 310229
Ion Ratio Lower Upper
98 100
100 65.9 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 35.364 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

Tgt Ion: 95 Resp: 99522
Ion Ratio Lower Upper
95 100
174 69.3 0.0 127.0
176 67.6 0.0 125.8

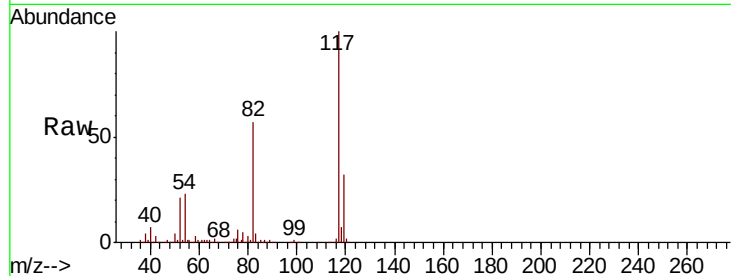




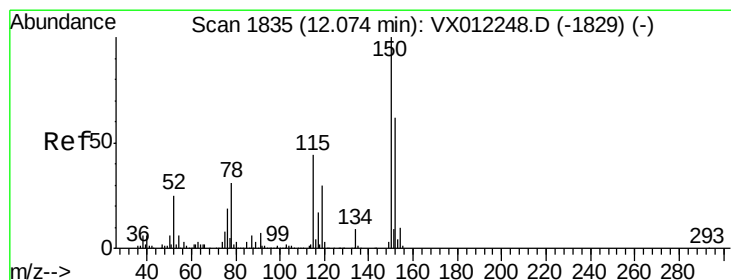
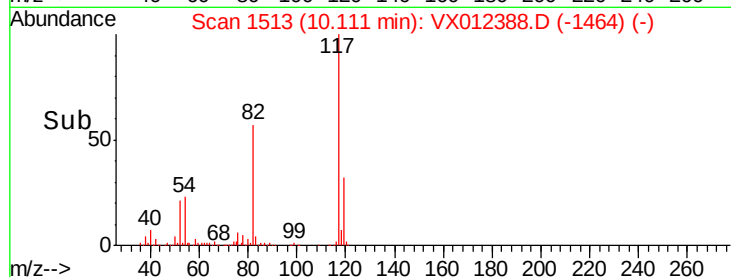
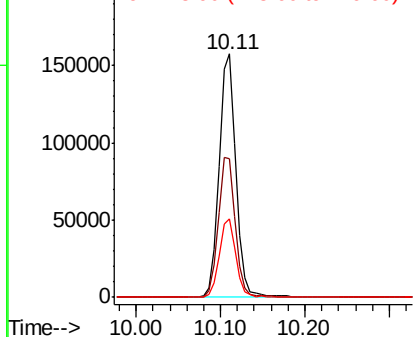
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

Instrument :
MSVOA_X
ClientSampleId :
T5-2-(0)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.4	69.6
119	32.3	26.6	39.8

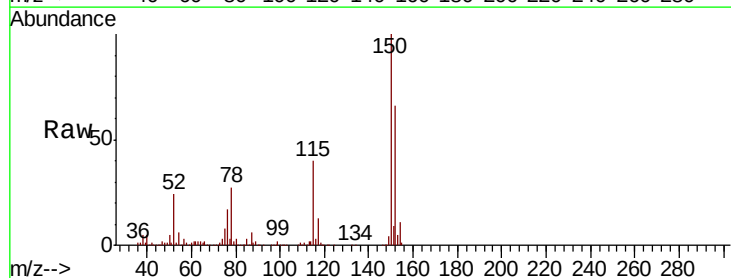


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

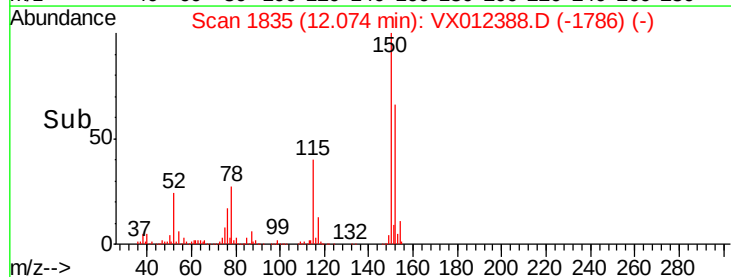
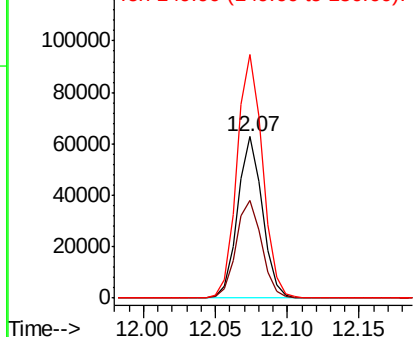


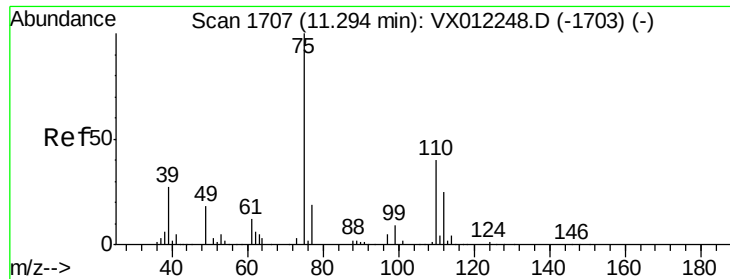
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012388.D
Acq: 13 Sep 2019 15:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	45.5	136.4
150	156.1	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: 54.078 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012388.D

Acq: 13 Sep 2019 15:53

Instrument :

MSVOA_X

ClientSampleId :

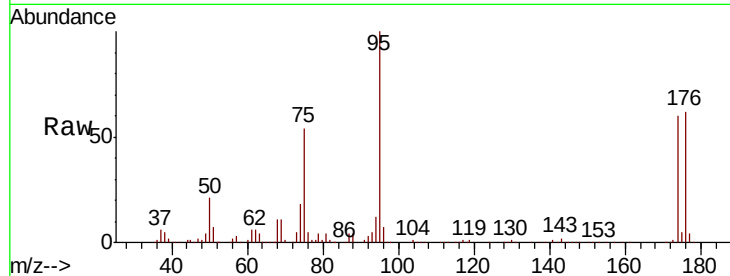
T5-2-(0)

Tgt Ion: 75 Resp: 52358

Ion Ratio Lower Upper

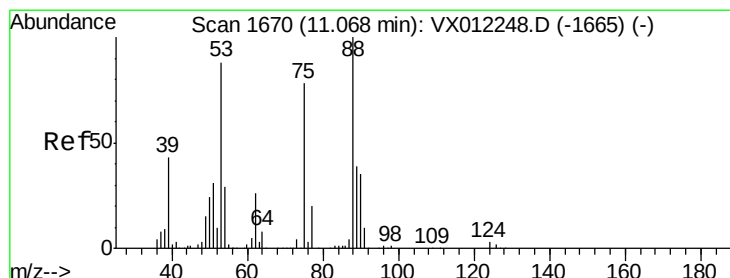
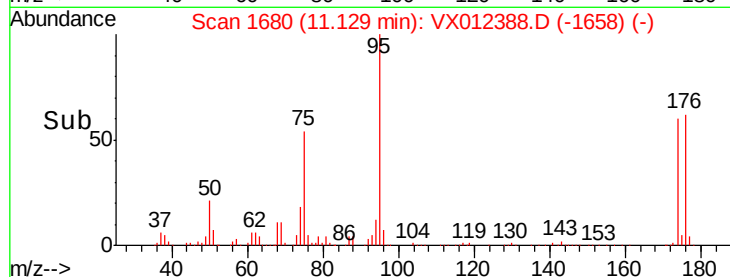
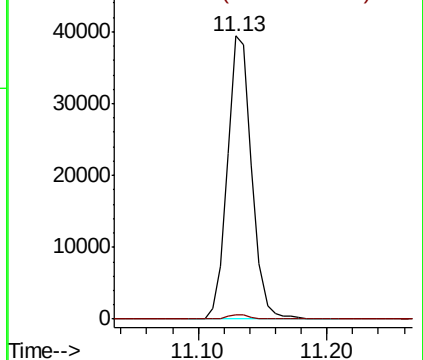
75 100

77 1.7 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: 162.029 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012388.D

Acq: 13 Sep 2019 15:53

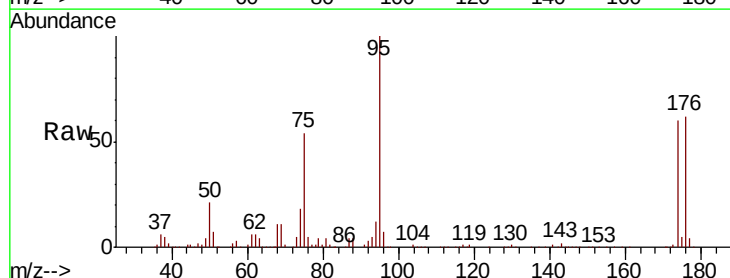
Tgt Ion: 75 Resp: 52358

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

