

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012380.D
 Acq On : 13 Sep 2019 12:11
 Operator : SY/SP
 Sample : K4695-01
 Misc : 4.54g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-1-(1.5)

Quant Time: Sep 14 00:02:12 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	168918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289956	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100613	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	112641	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	5.48	113	88315	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
50) Toluene-d8	8.71	98	337318	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.14	95	122985	40.69	ug/l	0.00
Spiked Amount			Recovery	=	81.38%	

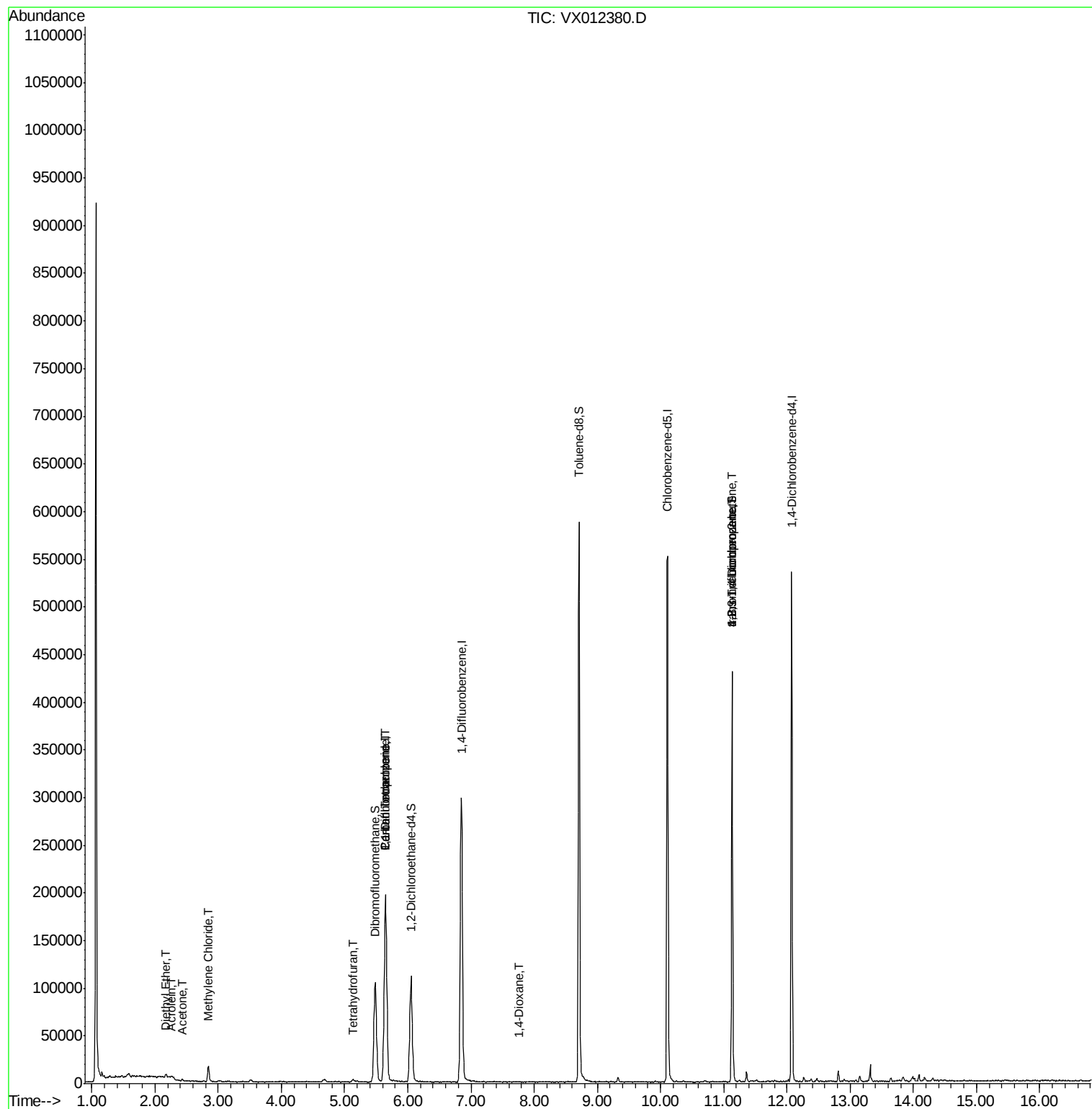
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	370	Below Cal	#	79
8) Diethyl Ether	2.18	74	913	1.198	ug/l	94
11) Tert butyl alcohol	3.03	59	1143	Below Cal		95
13) Acrolein	2.26	56	465	3.725	ug/l #	57
16) Acetone	2.43	43	1940	3.431	ug/l #	83
20) Methylene Chloride	2.84	84	7259	1.563	ug/l	86
29) Tetrahydrofuran	5.13	42	2849	7.306	ug/l	93
36) 1,1-Dichloropropene	5.65	75	14822	7.010	ug/l #	54
38) Carbon Tetrachloride	5.65	117	18892	7.616	ug/l #	15
49) 1,4-Dioxane	7.75	88	18	1.011	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65358	50.566	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	65358	151.508	ug/l #	5

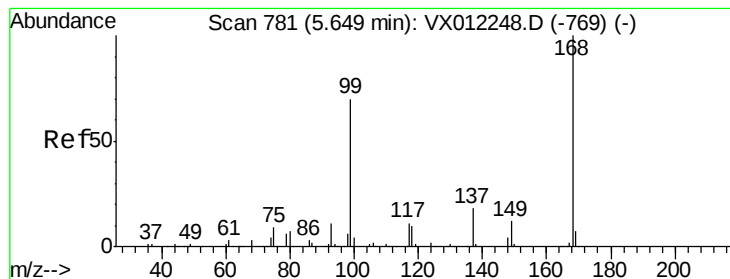
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX012380.D

Acq: 13 Sep 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

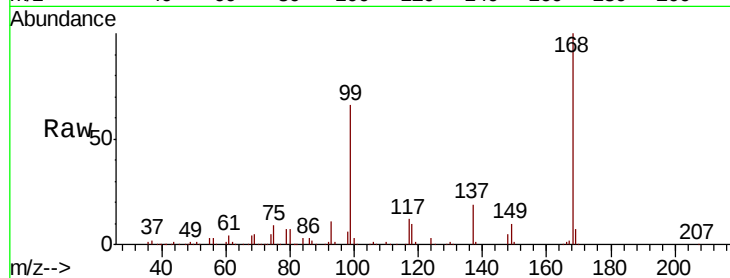
T3-1-(1.5)

Tgt Ion: 168 Resp: 168918

Ion Ratio Lower Upper

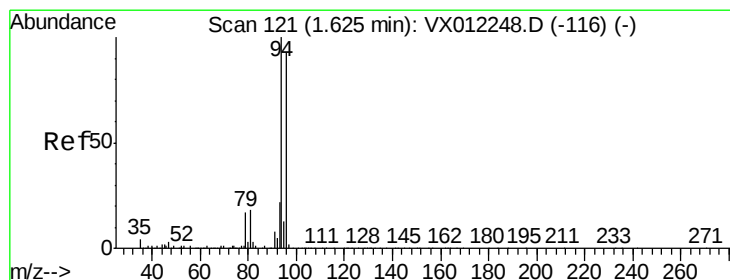
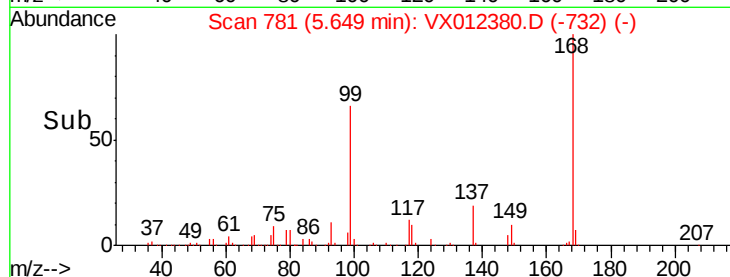
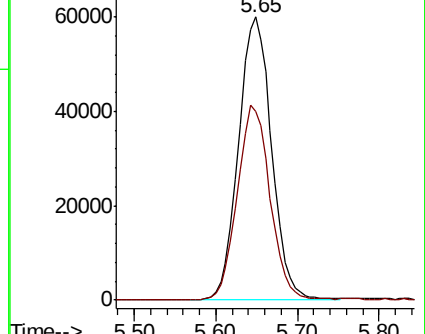
168 100

99 66.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012380.D

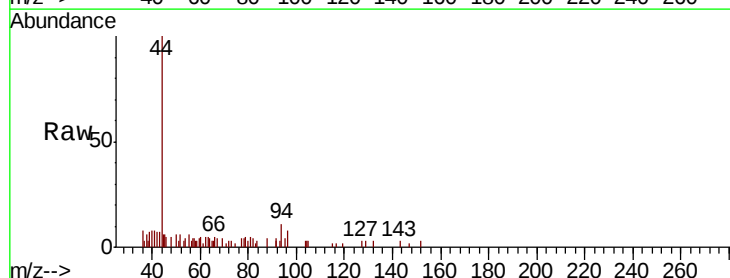
Acq: 13 Sep 2019 12:11

Tgt Ion: 94 Resp: 370

Ion Ratio Lower Upper

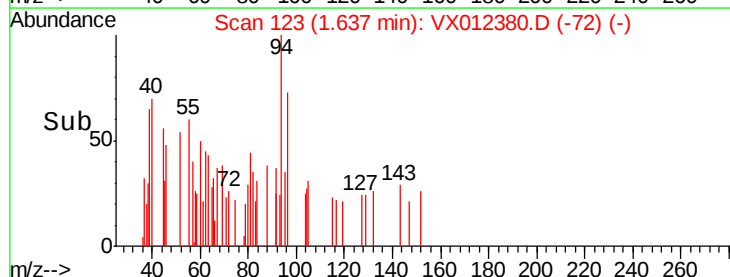
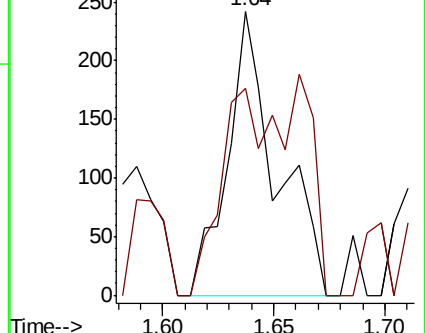
94 100

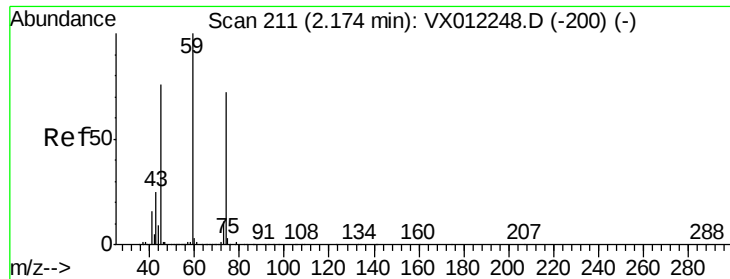
96 72.7 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.198 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

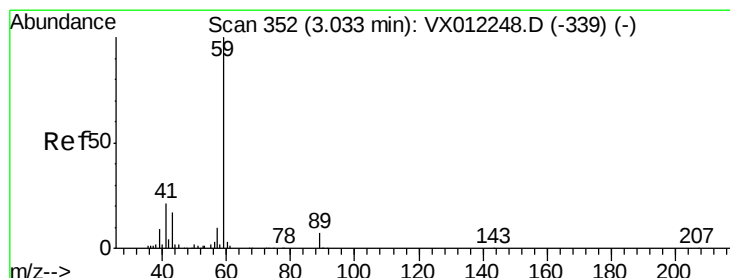
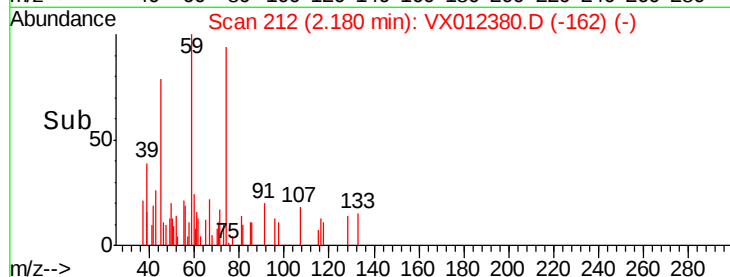
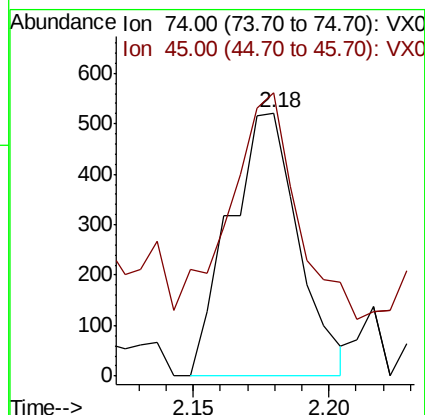
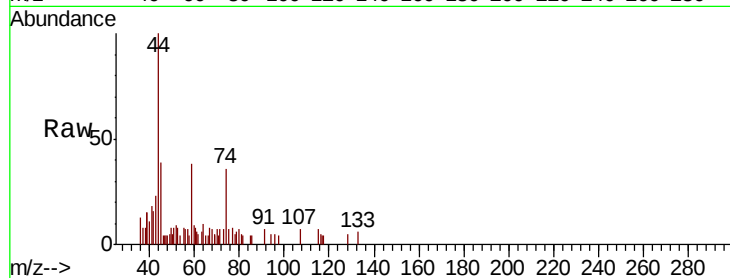
T3-1-(1.5)

Tgt Ion: 74 Resp: 913

Ion Ratio Lower Upper

74 100

45 96.7 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012380.D

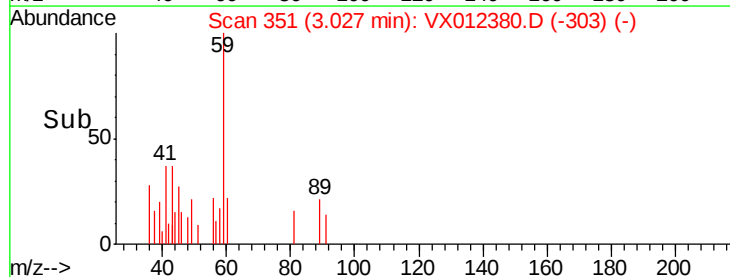
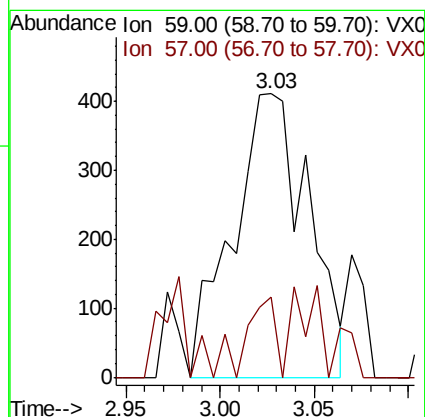
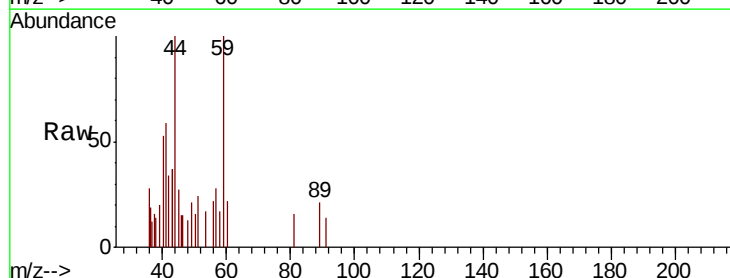
Acq: 13 Sep 2019 12:11

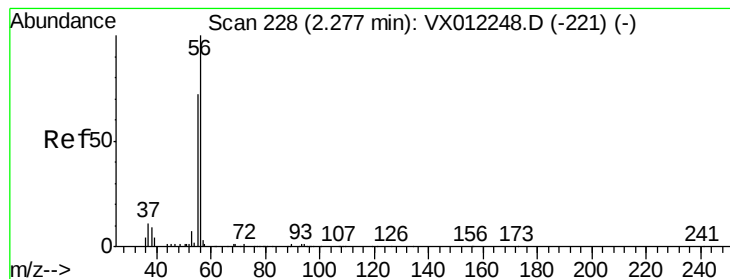
Tgt Ion: 59 Resp: 1143

Ion Ratio Lower Upper

59 100

57 11.5 7.8 11.6





#13

Acrolein

Concen: 3.725 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

Instrument :

MSVOA_X

ClientSampled :

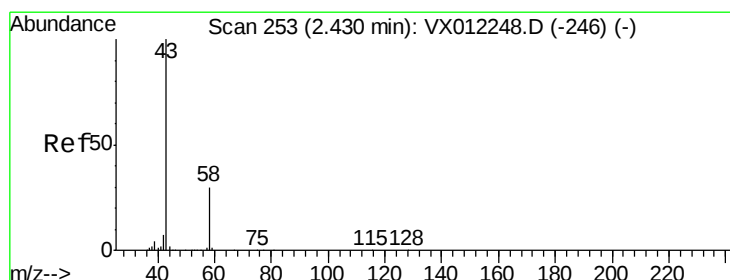
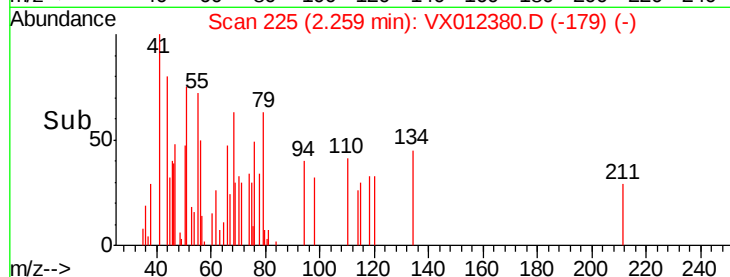
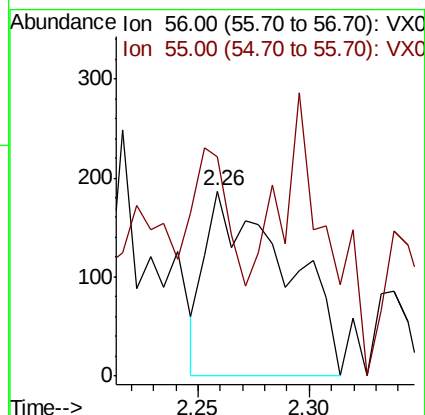
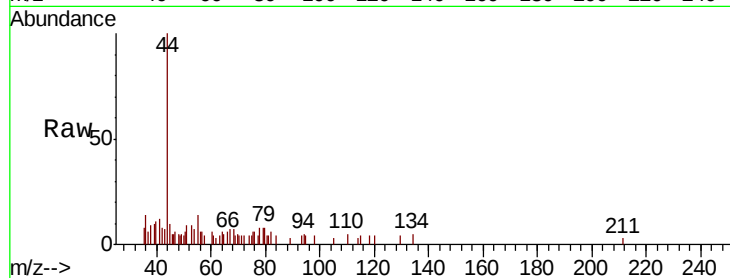
T3-1-(1.5)

Tgt Ion: 56 Resp: 465

Ion Ratio Lower Upper

56 100

55 38.5 59.8 89.6#



#16

Acetone

Concen: 3.431 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012380.D

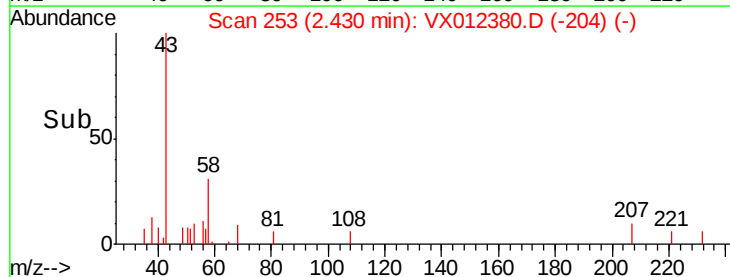
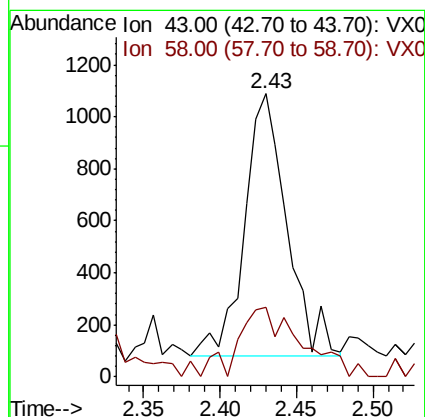
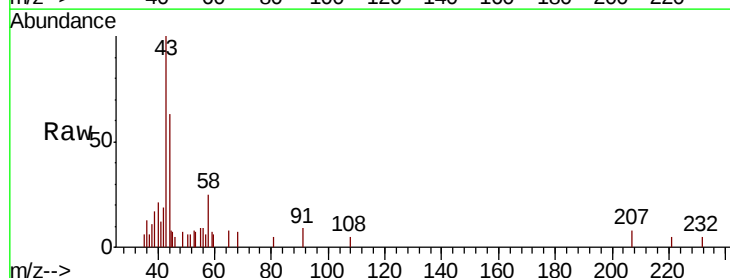
Acq: 13 Sep 2019 12:11

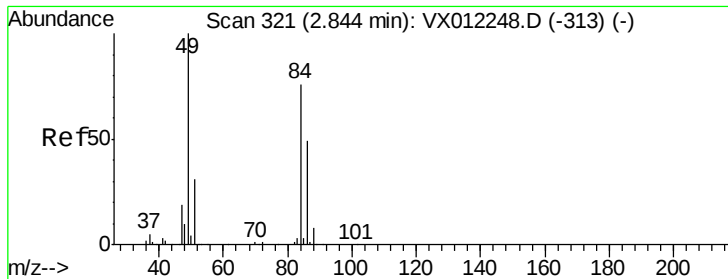
Tgt Ion: 43 Resp: 1940

Ion Ratio Lower Upper

43 100

58 20.4 23.6 35.4#

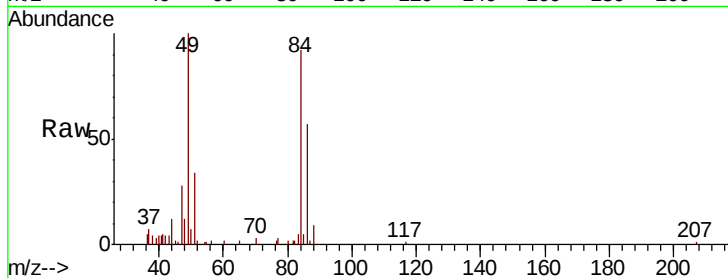




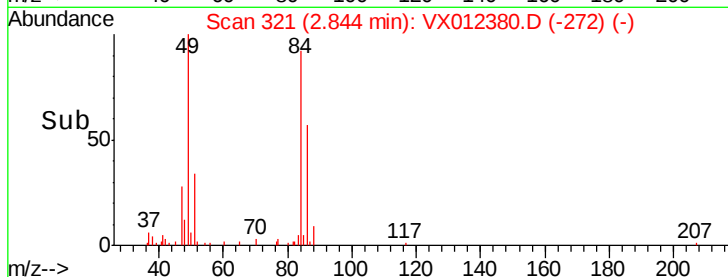
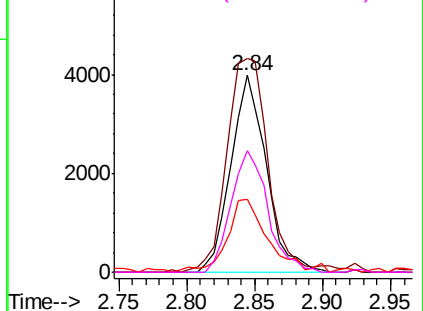
#20
Methylene Chloride
Concen: 1.563 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012380.D
Acq: 13 Sep 2019 12:11

Instrument :
MSVOA_X
ClientSampled :
T3-1-(1.5)

Tgt Ion: 84 Resp: 7259
Ion Ratio Lower Upper
84 100
49 107.2 105.0 157.6
51 35.6 32.6 48.8
86 62.1 51.8 77.6

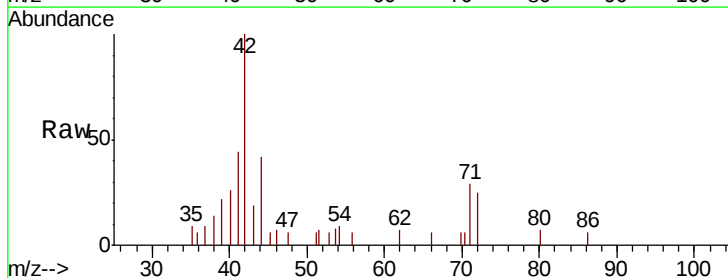
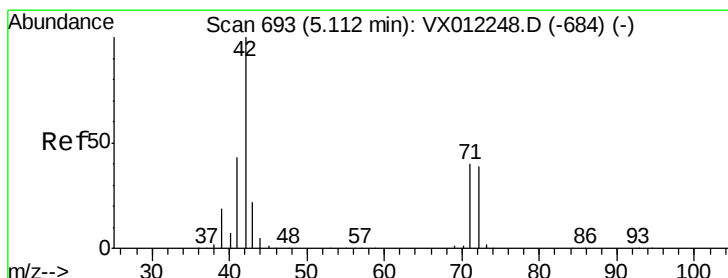


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

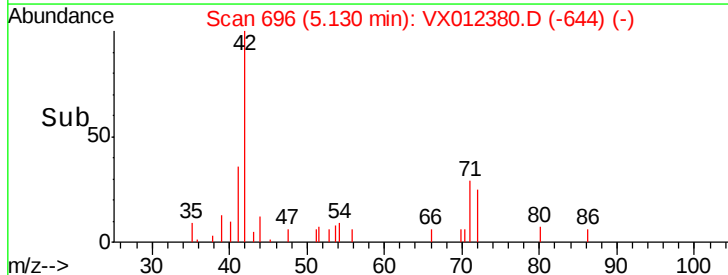
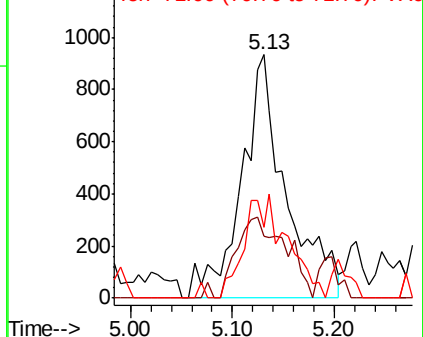


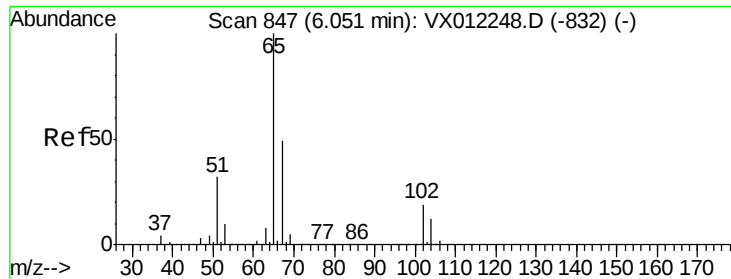
#29
Tetrahydrofuran
Concen: 7.306 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012380.D
Acq: 13 Sep 2019 12:11

Tgt Ion: 42 Resp: 2849
Ion Ratio Lower Upper
42 100
72 35.9 35.2 52.8
71 40.5 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

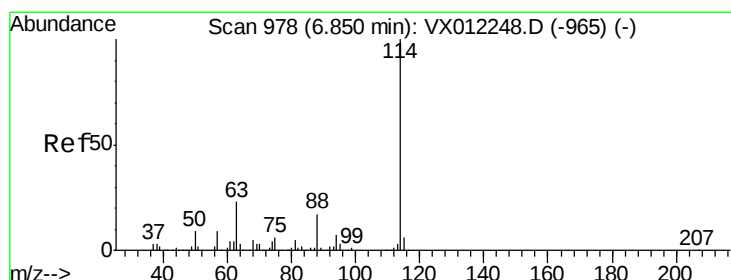
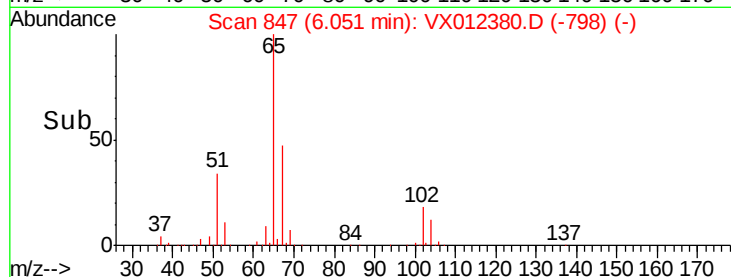
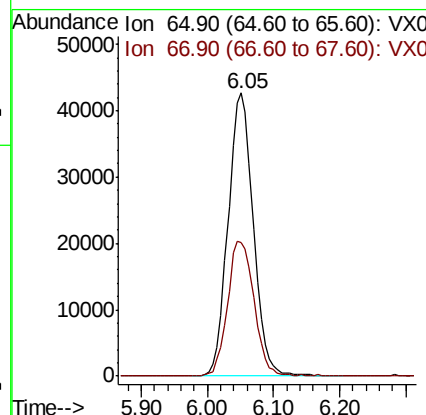
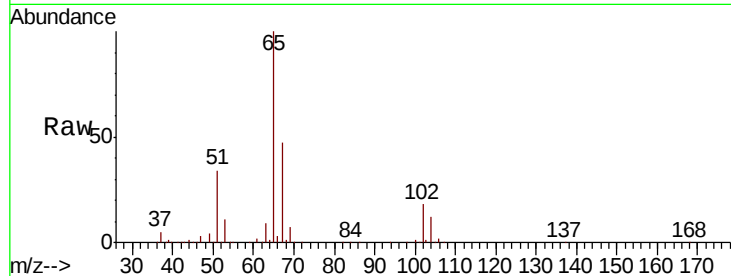




#33
 1,2-Dichloroethane-d4
 Concen: 47.166 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012380.D
 Acq: 13 Sep 2019 12:11

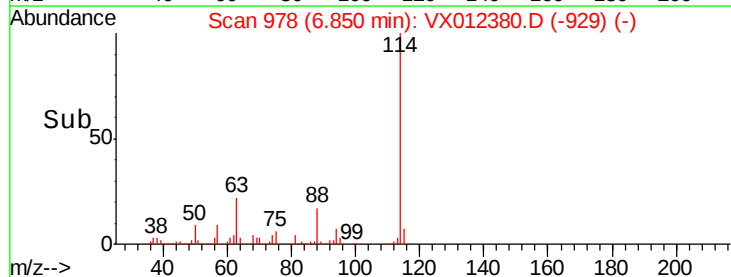
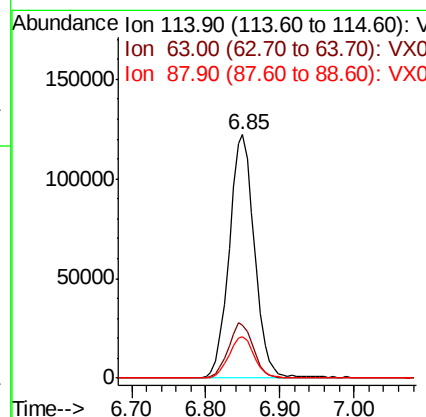
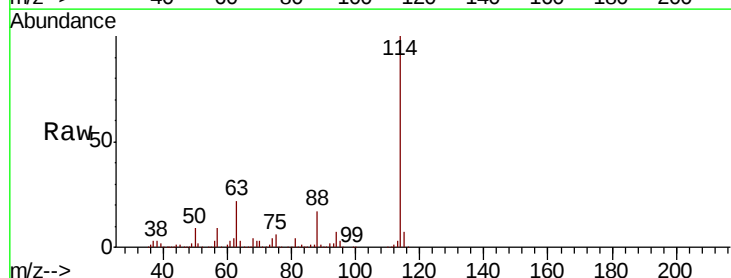
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-1-(1.5)

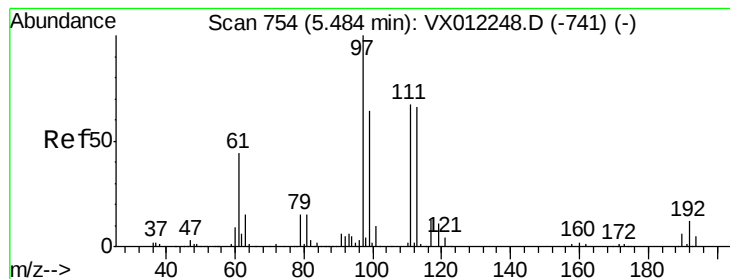
Tgt Ion: 65 Resp: 112641
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012380.D
 Acq: 13 Sep 2019 12:11

Tgt Ion: 114 Resp: 289956
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.2
 88 16.9 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.513 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(1.5)

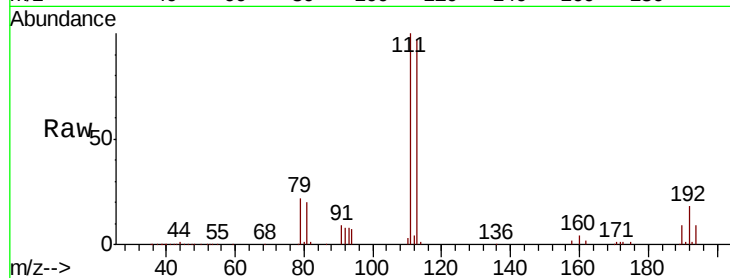
Tgt Ion:113 Resp: 88315

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

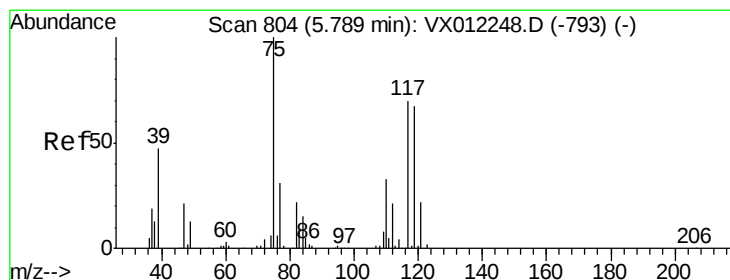
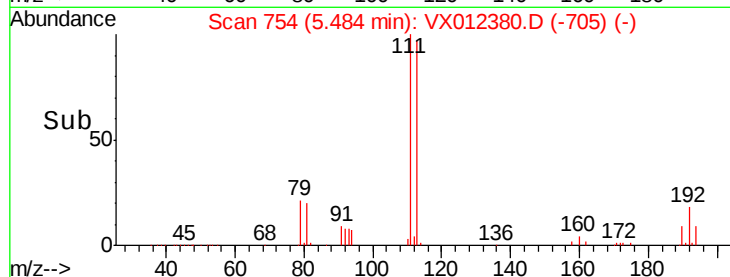
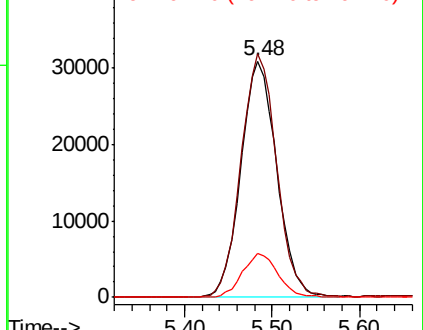
192 18.3 14.3 21.5



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: 7.010 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

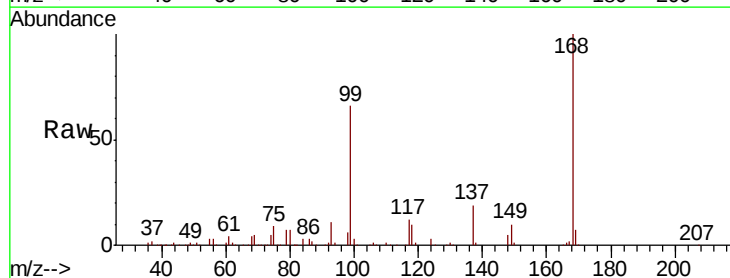
Tgt Ion: 75 Resp: 14822

Ion Ratio Lower Upper

75 100

110 11.8 16.8 50.4#

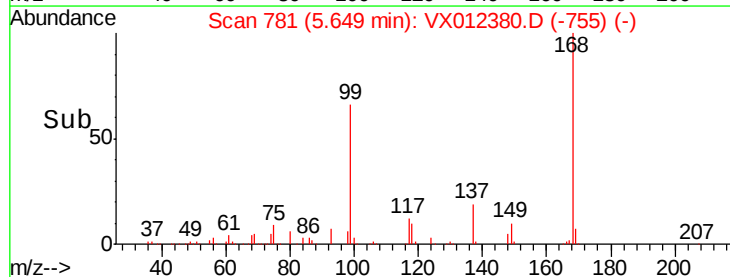
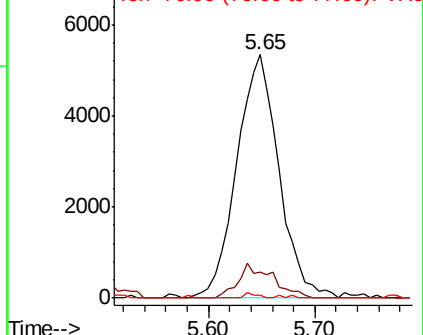
77 0.7 24.5 36.7#

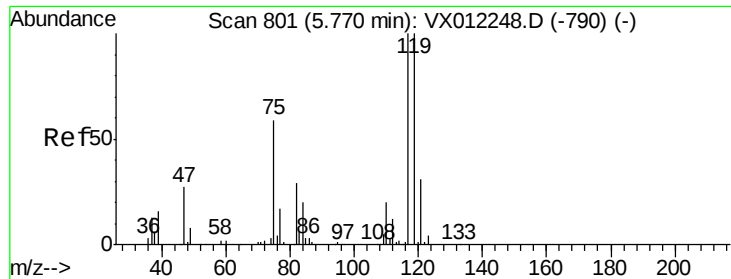


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.616 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(1.5)

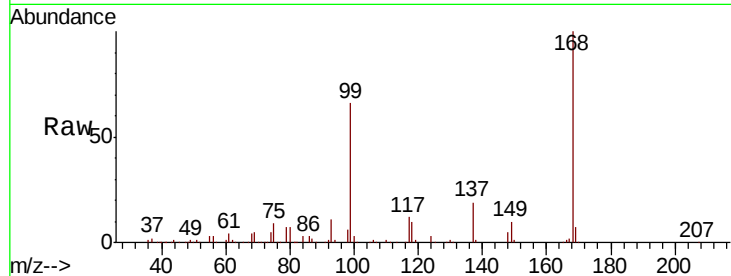
Tgt Ion:117 Resp: 18892

Ion Ratio Lower Upper

117 100

119 5.3 79.6 119.4#

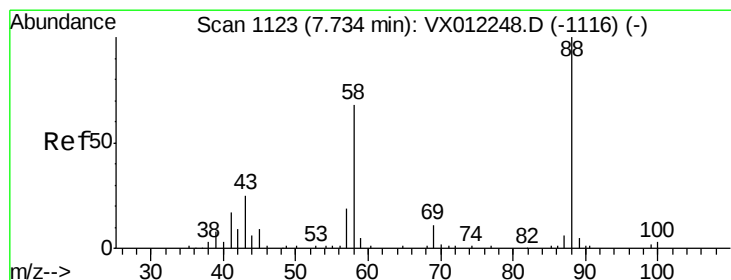
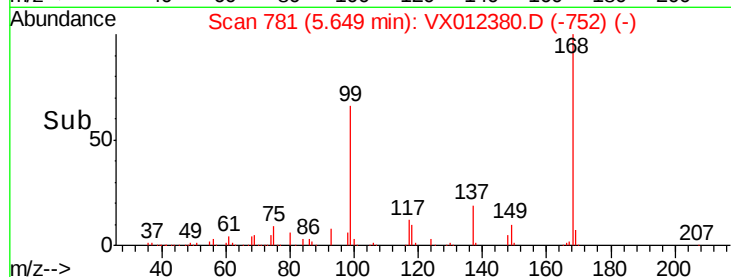
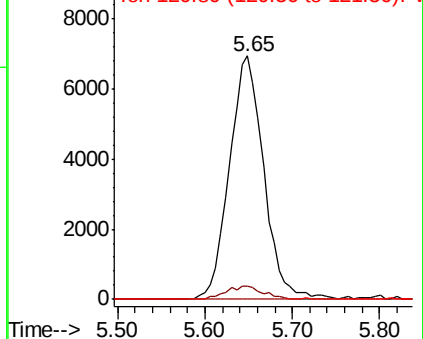
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.011 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

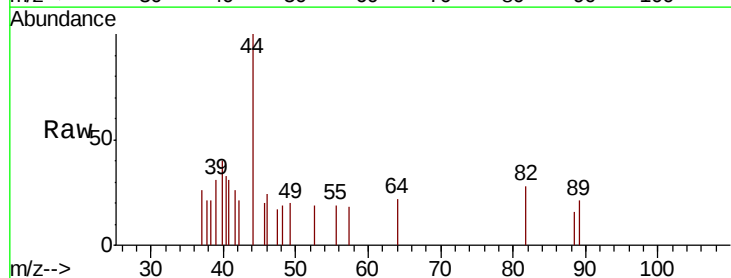
Tgt Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

43 388.9 31.0 46.4#

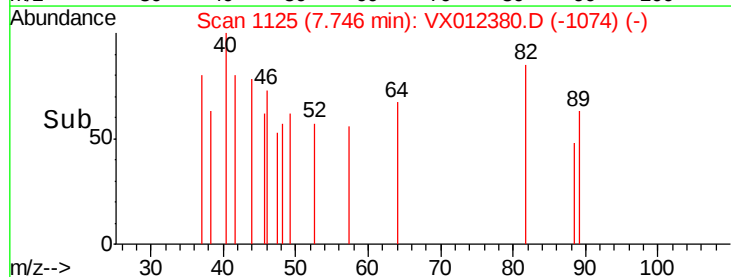
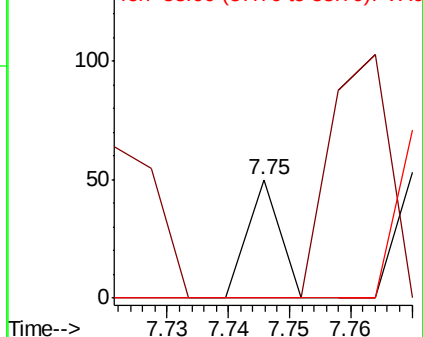
58 0.0 61.5 92.3#

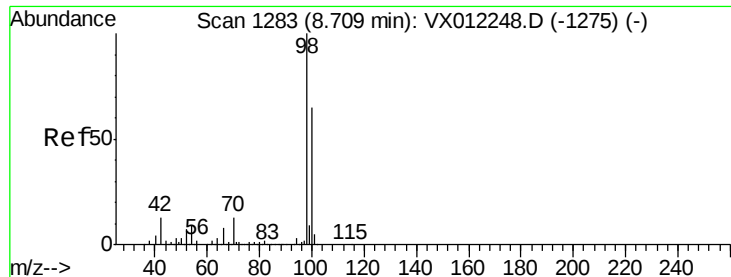


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

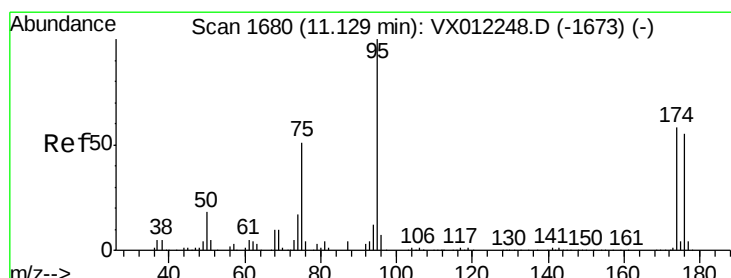
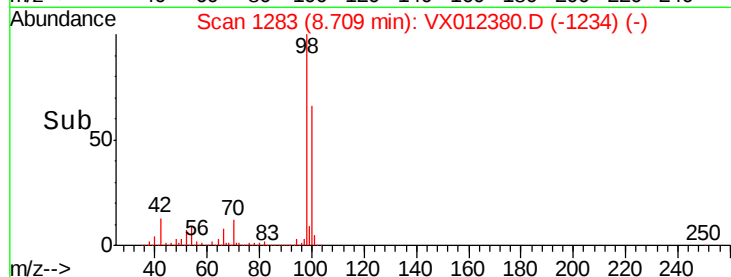
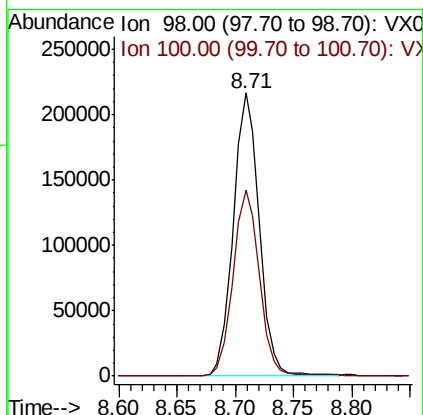
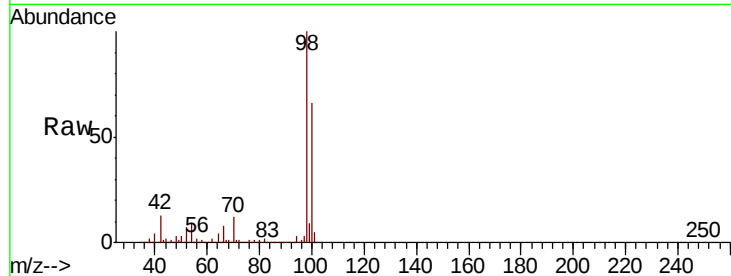




#50
Toluene-d8
Concen: 51.742 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012380.D
Acq: 13 Sep 2019 12:11

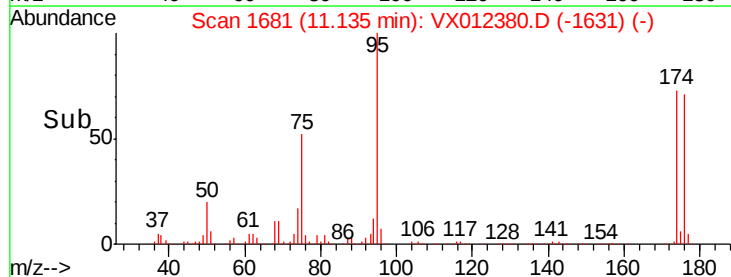
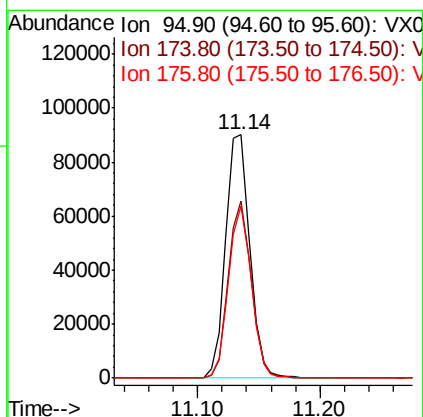
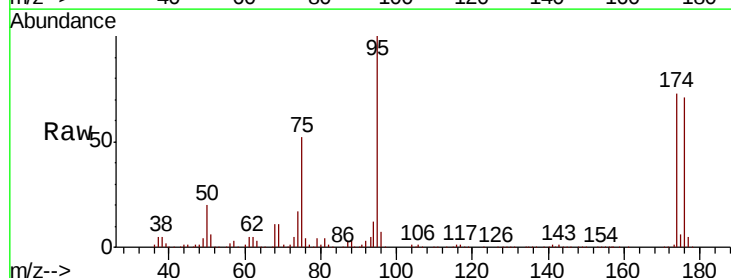
Instrument :
MSVOA_X
ClientSampleId :
T3-1-(1.5)

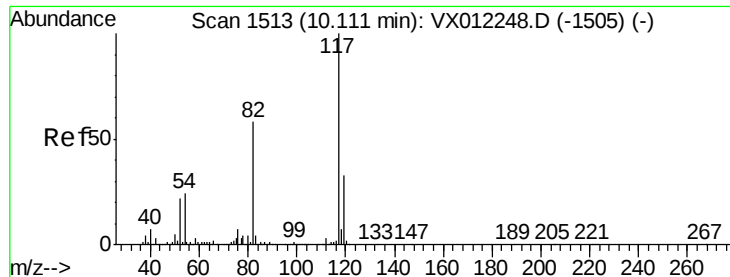
Tgt Ion: 98 Resp: 337318
Ion Ratio Lower Upper
98 100
100 67.1 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 40.692 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012380.D
Acq: 13 Sep 2019 12:11

Tgt Ion: 95 Resp: 122985
Ion Ratio Lower Upper
95 100
174 69.1 0.0 127.0
176 67.0 0.0 125.8

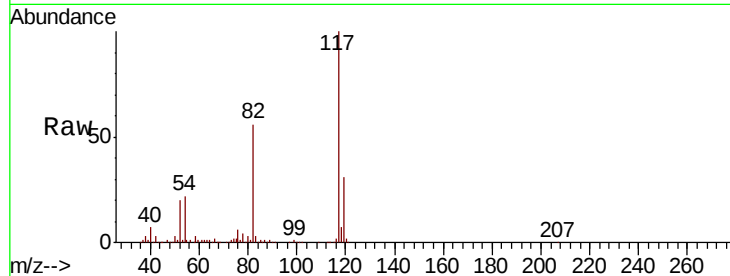




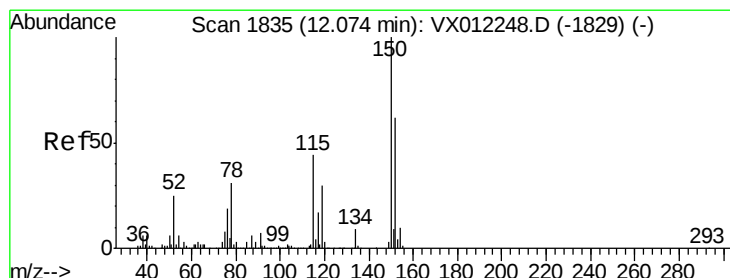
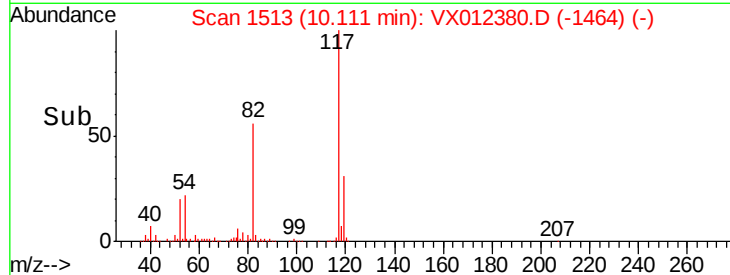
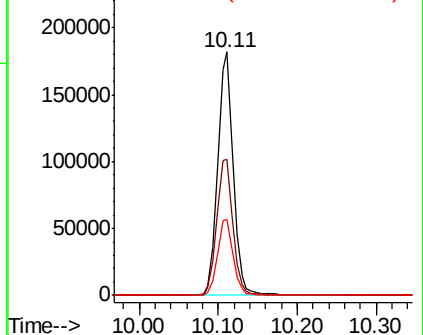
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012380.D
Acq: 13 Sep 2019 12:11

Instrument :
MSVOA_X
ClientSampleId :
T3-1-(1.5)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.4	69.6
119	31.1	26.6	39.8

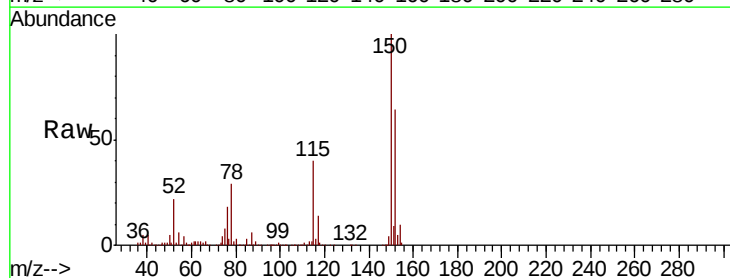


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

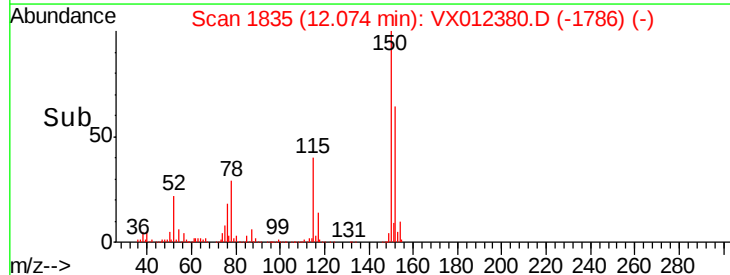
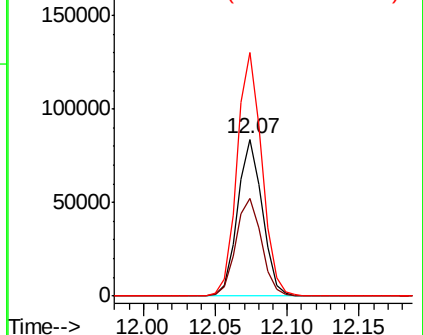


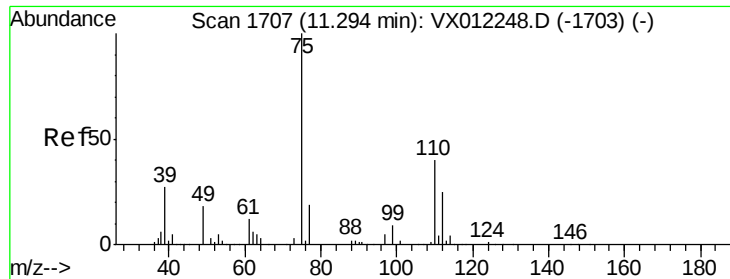
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012380.D
Acq: 13 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	45.5	136.4
150	156.2	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: 50.566 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

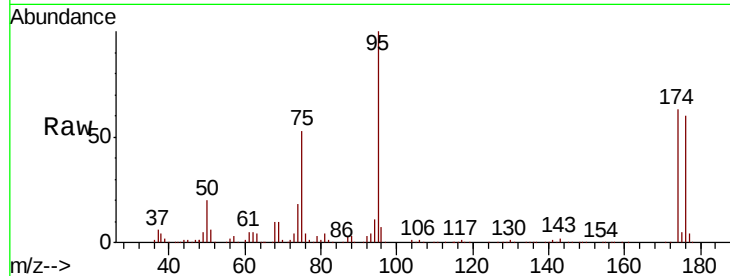
T3-1-(1.5)

Tgt Ion: 75 Resp: 65358

Ion Ratio Lower Upper

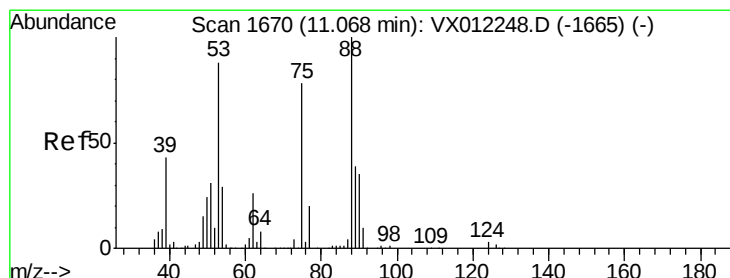
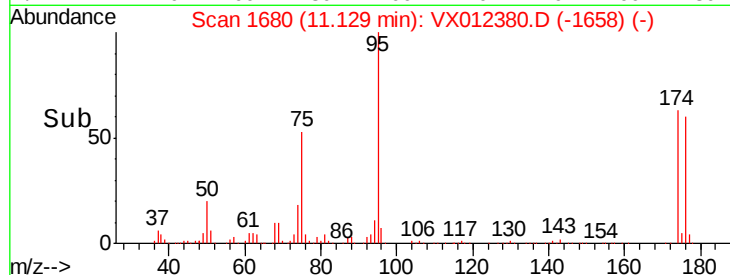
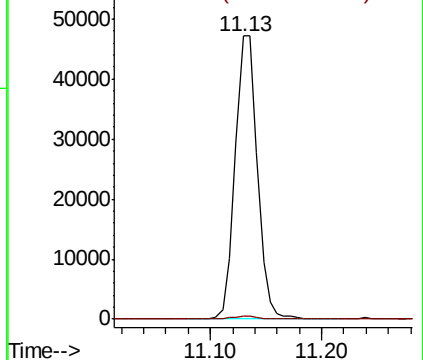
75 100

77 1.2 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: 151.508 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012380.D

Acq: 13 Sep 2019 12:11

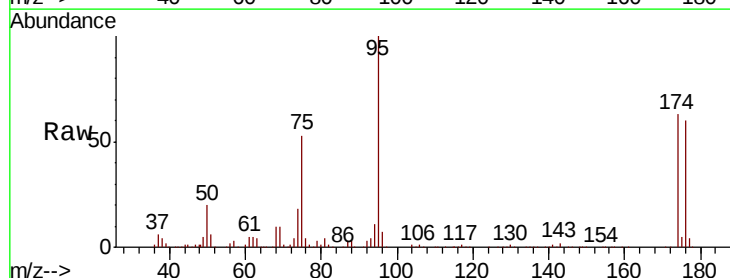
Tgt Ion: 75 Resp: 65358

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.2 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

