

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012062.D
 Acq On : 04 Sep 2019 19:59
 Operator : SY/SP
 Sample : K4546-11
 Misc : 4.36g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-A-(2.5)

Quant Time: Sep 05 05:26:30 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

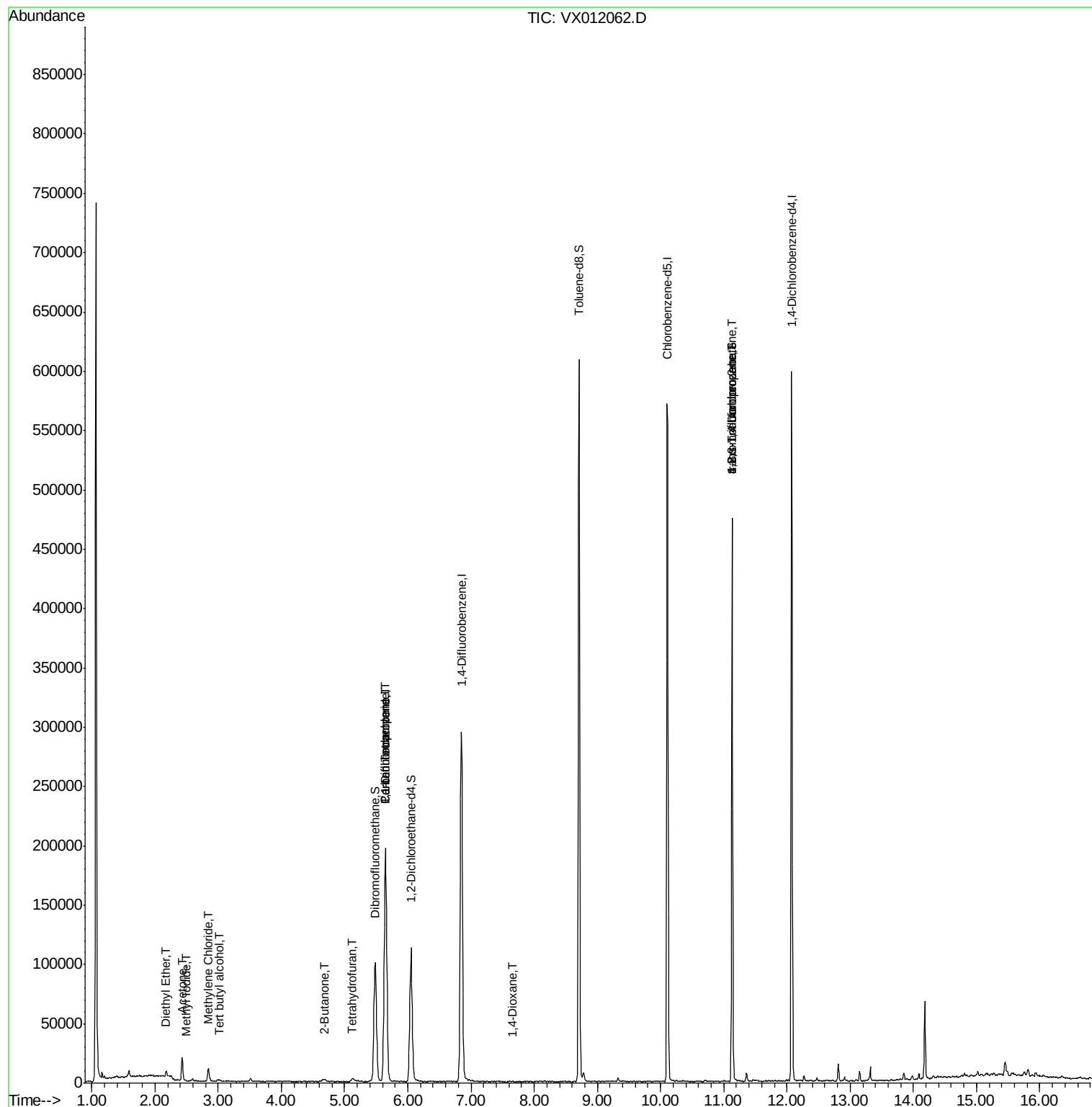
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288709	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	113158	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.48	113	85287	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.71	98	342574	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	135871	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	1351	1.720	ug/l	88
10) Methyl Iodide	2.50	142	19	6.998	ug/l #	27
11) Tert butyl alcohol	3.02	59	1482	6.789	ug/l #	73
13) Acrolein	2.26	56	185	Below Cal	#	12
16) Acetone	2.43	43	20624	37.963	ug/l	91
20) Methylene Chloride	2.84	84	5064	2.321	ug/l	94
25) 2-Butanone	4.67	43	770	1.113	ug/l	92
29) Tetrahydrofuran	5.12	42	2919	7.006	ug/l	99
36) 1,1-Dichloropropene	5.65	75	14491	5.699	ug/l #	49
38) Carbon Tetrachloride	5.65	117	19384	7.234	ug/l #	15
49) 1,4-Dioxane	7.66	88	22	1.142	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	70190	52.937	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	70190	125.150	ug/l #	10

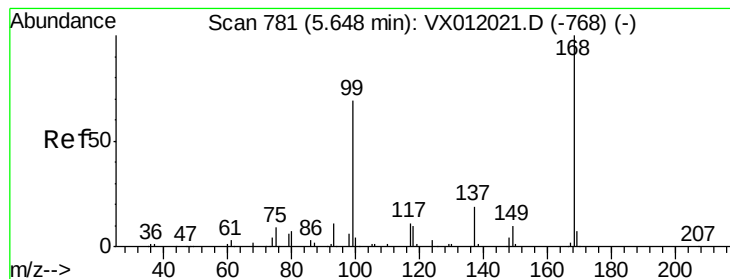
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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T3-S-A-(2.5)

Quant Time: Sep 05 05:26:30 2019
Quant Method : Z:\V0ASRV\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: VX012062.D

Acq: 04 Sep 2019 19:59

Instrument :

MSVOA_X

ClientSampleId :

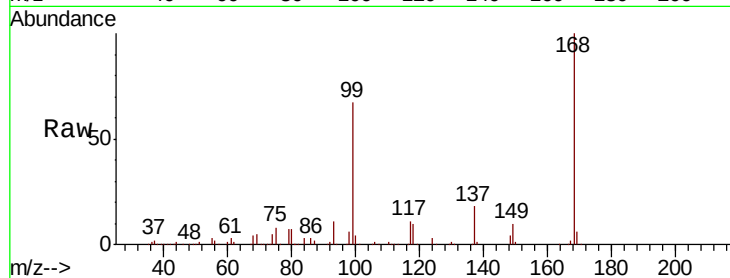
T3-S-A-(2.5)

Tgt Ion:168 Resp: 164723

Ion Ratio Lower Upper

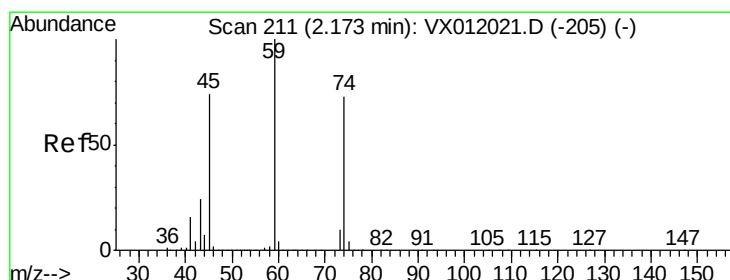
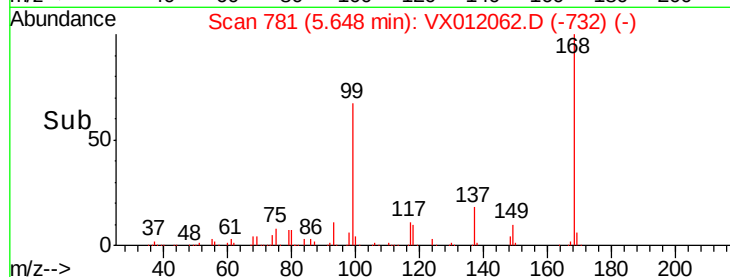
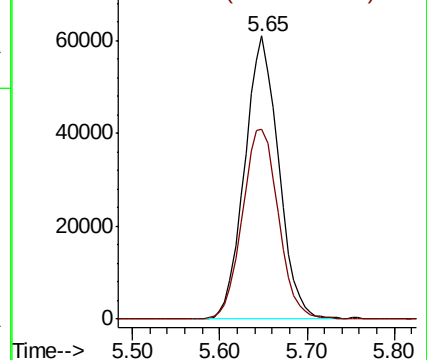
168 100

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



#8

Diethyl Ether

Concen: 1.720 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012062.D

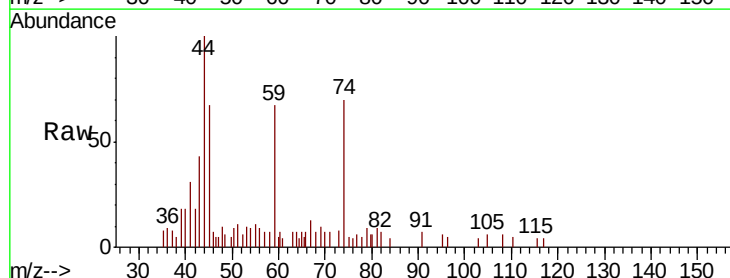
Acq: 04 Sep 2019 19:59

Tgt Ion: 74 Resp: 1351

Ion Ratio Lower Upper

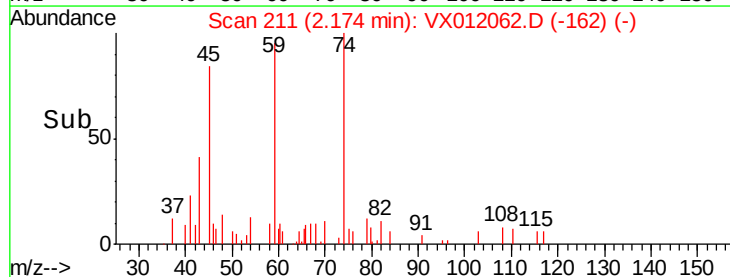
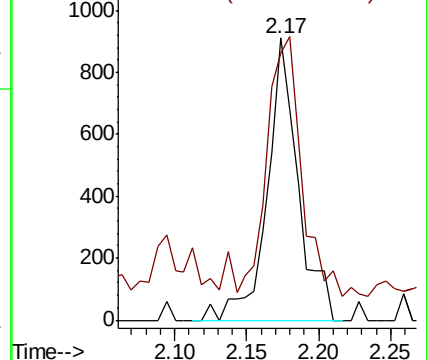
74 100

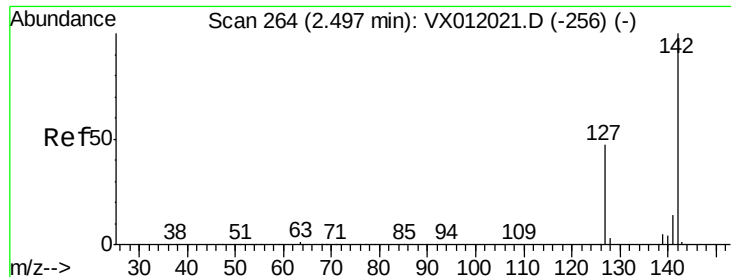
45 102.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

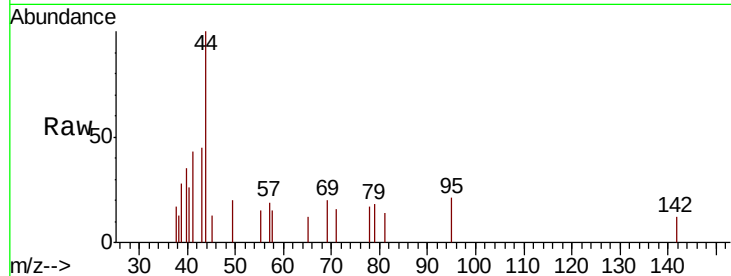




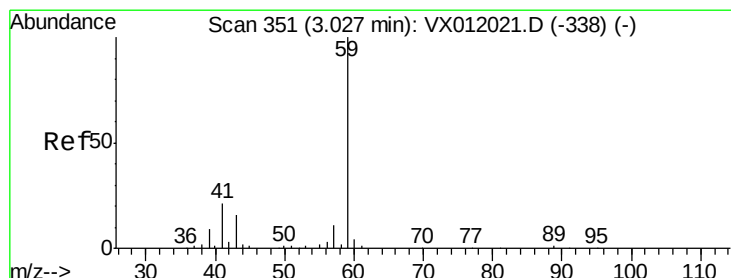
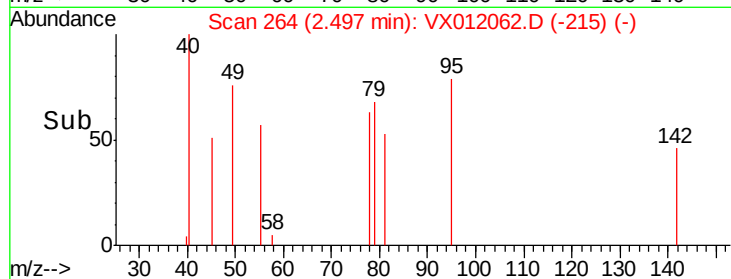
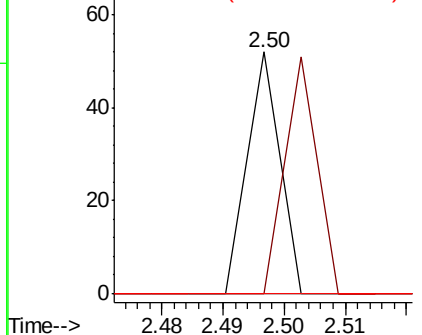
#10
Methyl Iodide
Concen: 6.998 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012062.D
Acq: 04 Sep 2019 19:59

Instrument :
MSVOA_X
ClientSampled :
T3-S-A-(2.5)

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 100.0 35.4 53.2#
141 0.0 11.4 17.2#

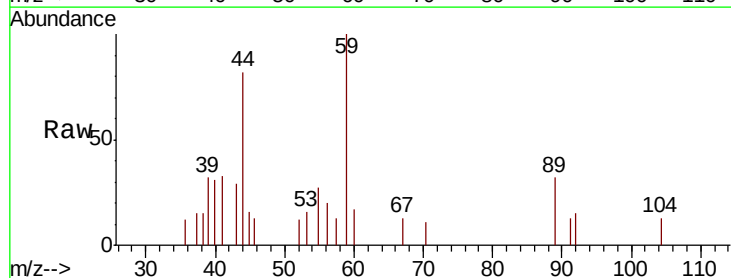


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

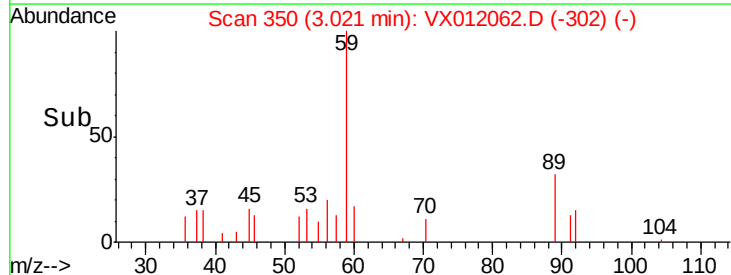
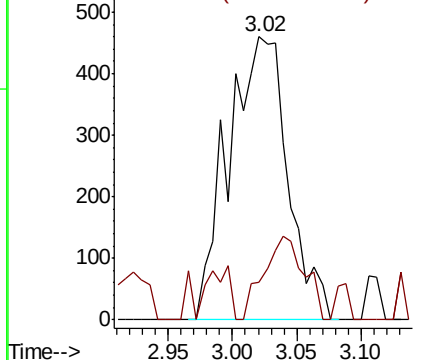


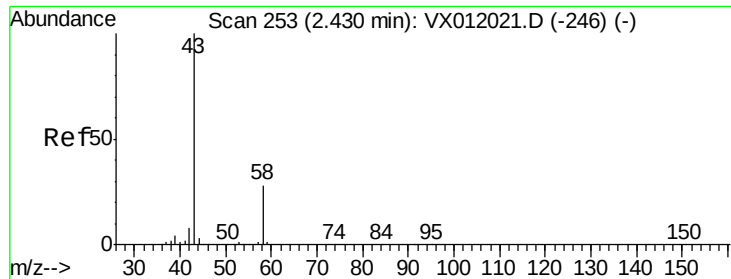
#11
Tert butyl alcohol
Concen: 6.789 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012062.D
Acq: 04 Sep 2019 19:59

Tgt Ion: 59 Resp: 1482
Ion Ratio Lower Upper
59 100
57 20.0 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: 37.963 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

Instrument :

MSVOA_X

ClientSampled :

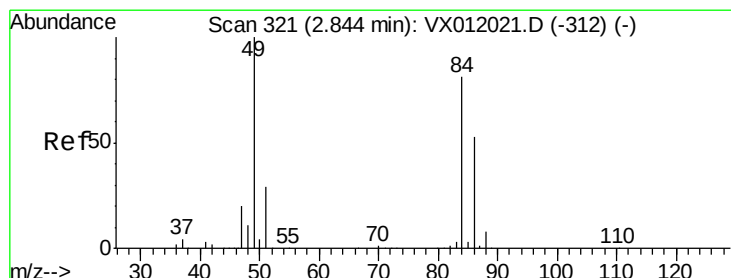
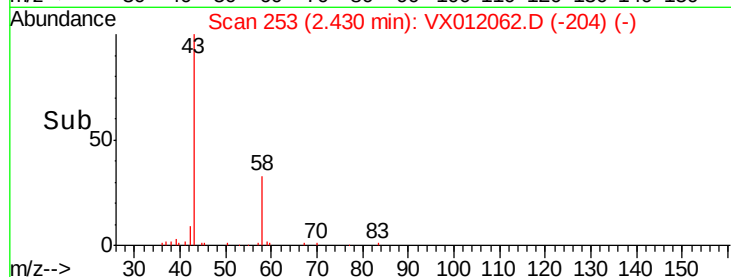
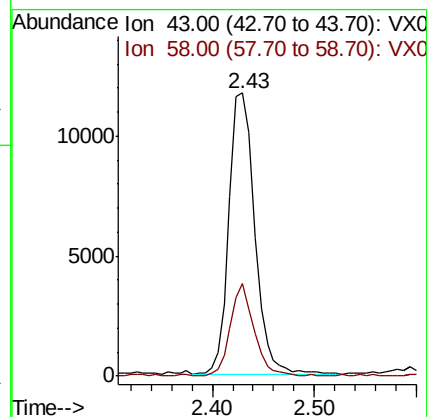
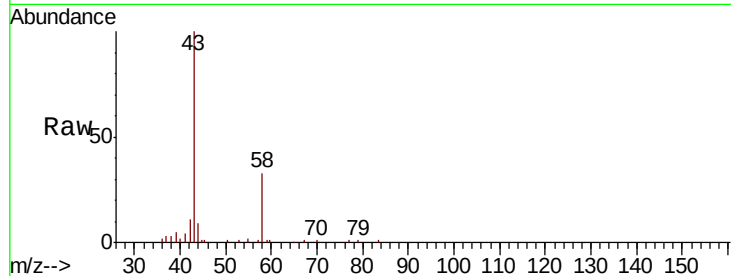
T3-S-A-(2.5)

Tgt Ion: 43 Resp: 20624

Ion Ratio Lower Upper

43 100

58 33.1 22.8 34.2



#20

Methylene Chloride

Concen: 2.321 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

Tgt Ion: 84 Resp: 5064

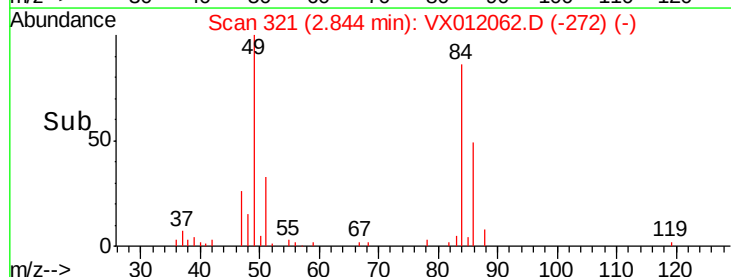
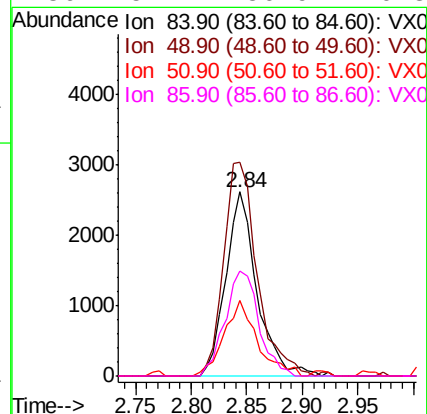
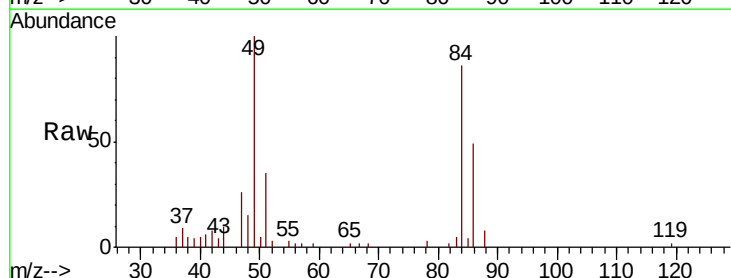
Ion Ratio Lower Upper

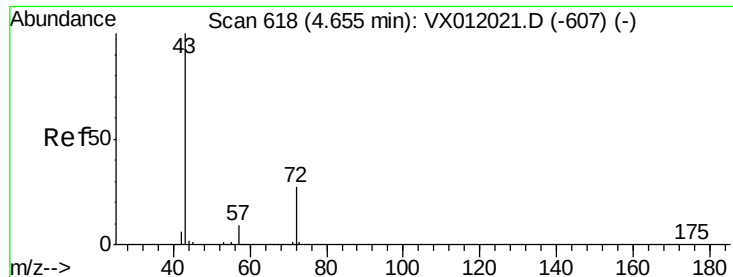
84 100

49 116.1 95.8 143.8

51 41.2 28.6 43.0

86 57.1 50.9 76.3





#25

2-Butanone

Concen: 1.113 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

Instrument :

MSVOA_X

ClientSampled :

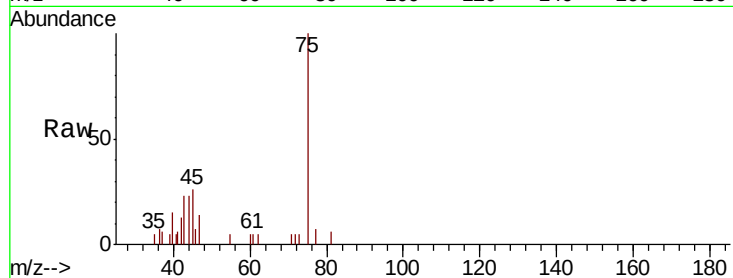
T3-S-A-(2.5)

Tgt Ion: 43 Resp: 770

Ion Ratio Lower Upper

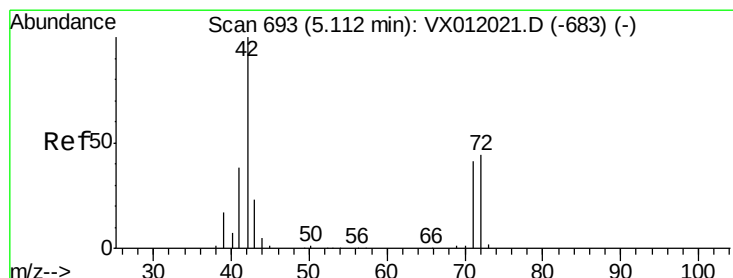
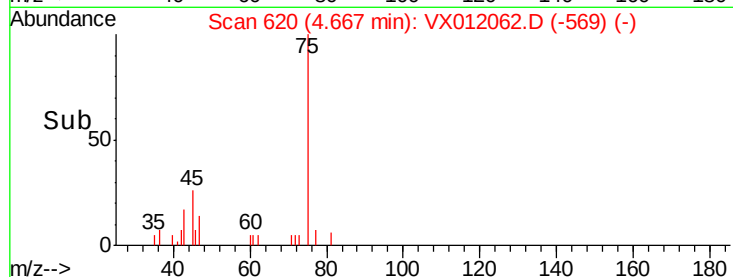
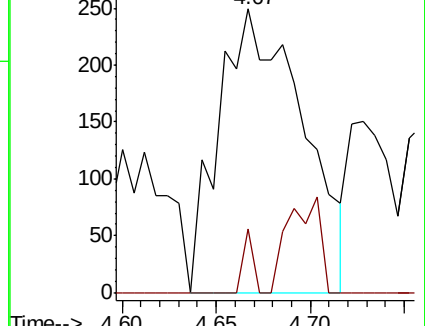
43 100

72 22.5 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 7.006 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

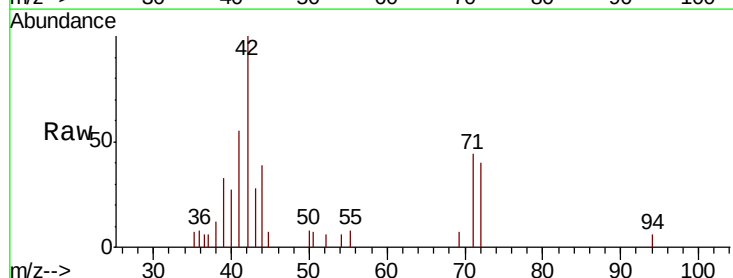
Tgt Ion: 42 Resp: 2919

Ion Ratio Lower Upper

42 100

72 46.8 37.0 55.4

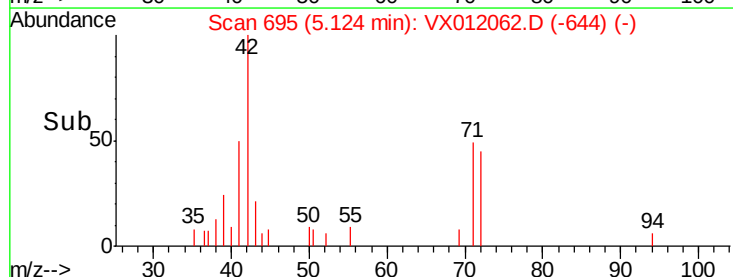
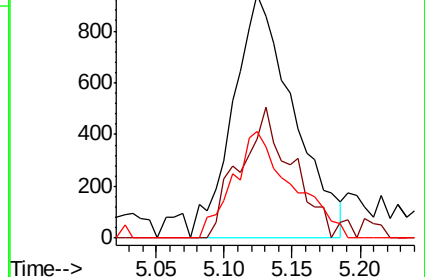
71 42.5 33.8 50.8

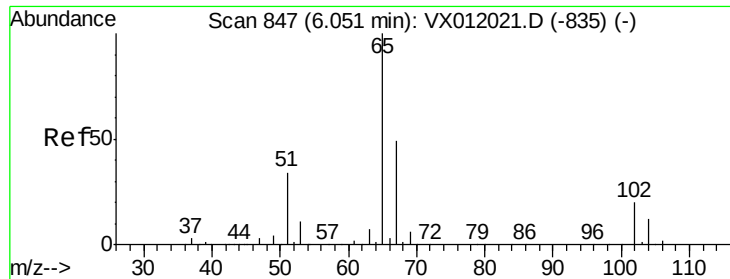


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

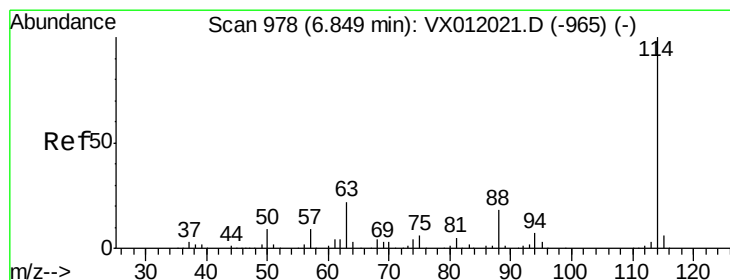
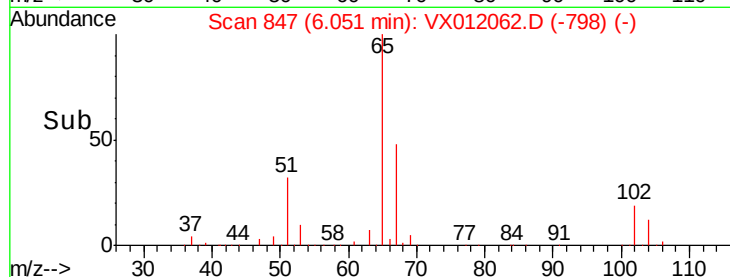
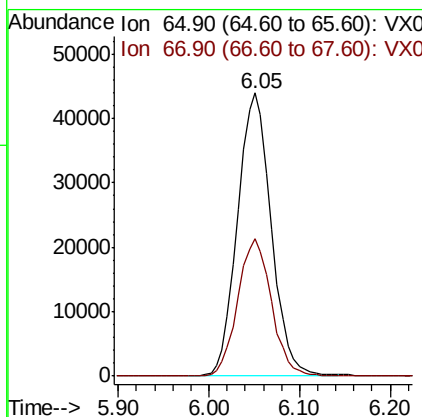
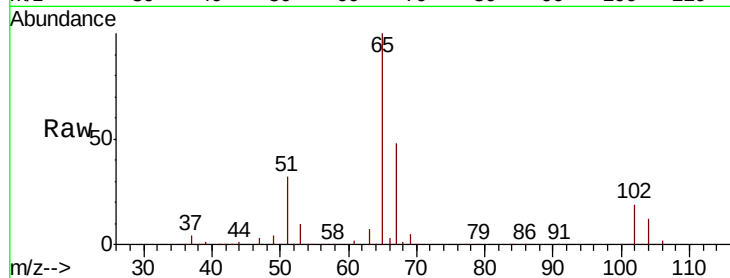




#33
 1,2-Dichloroethane-d4
 Concen: 49.787 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012062.D
 Acq: 04 Sep 2019 19:59

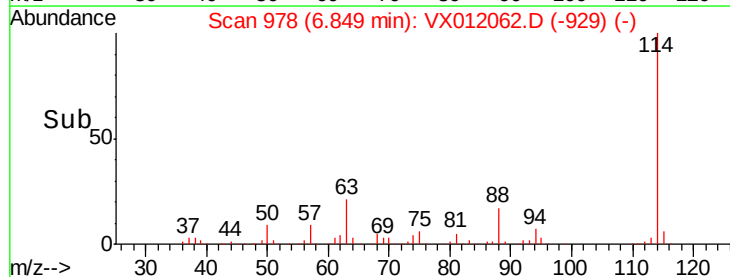
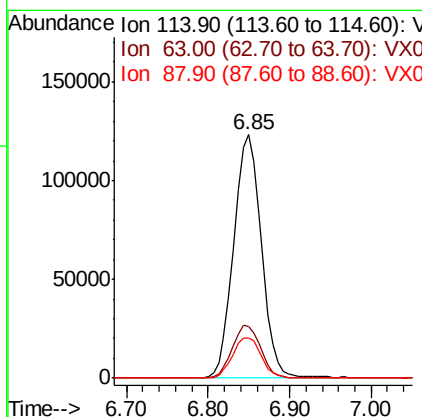
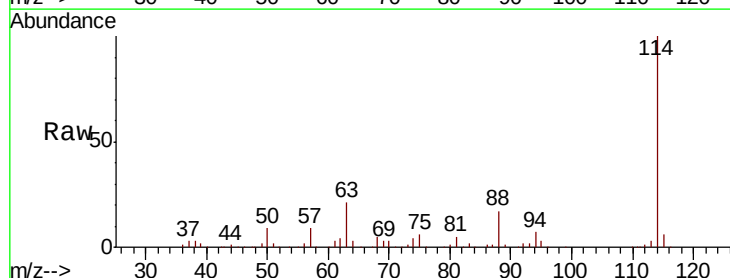
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-A-(2.5)

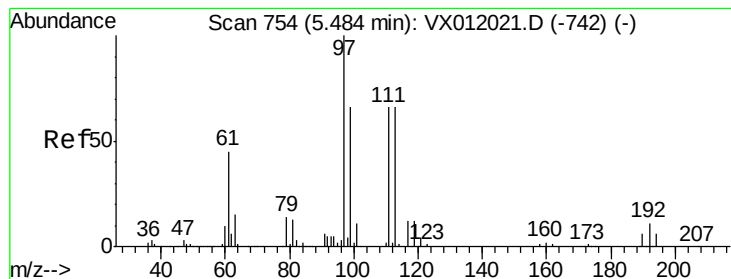
Tgt Ion: 65 Resp: 113158
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012062.D
 Acq: 04 Sep 2019 19:59

Tgt Ion: 114 Resp: 288709
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 37.4
 88 16.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.036 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

Instrument :

MSVOA_X

ClientSampleId :

T3-S-A-(2.5)

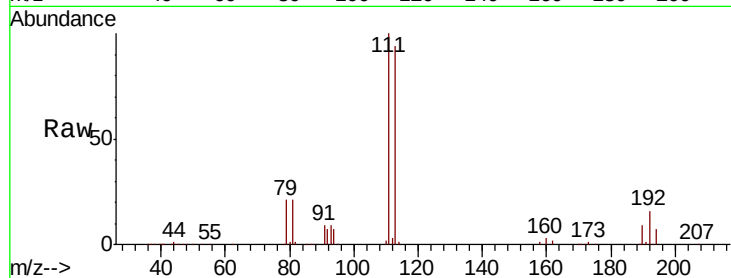
Tgt Ion:113 Resp: 85287

Ion Ratio Lower Upper

113 100

111 104.4 81.7 122.5

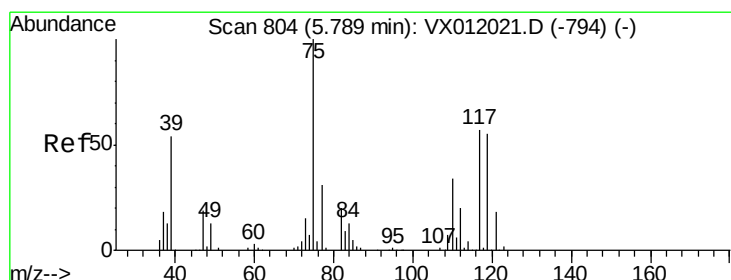
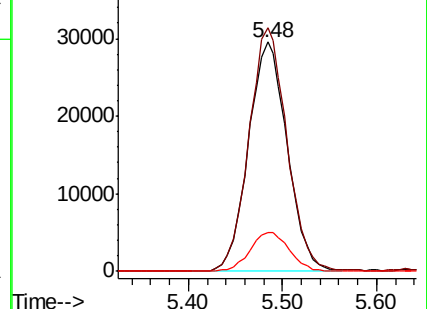
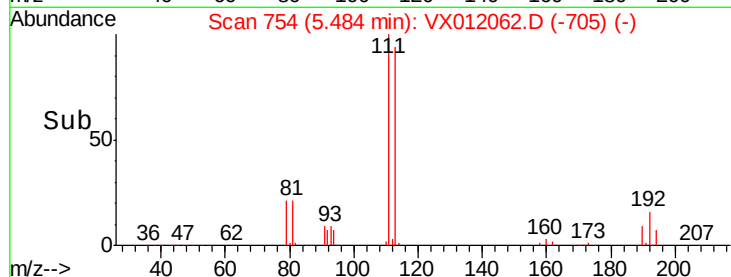
192 17.2 22.5 33.7#



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: 5.699 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

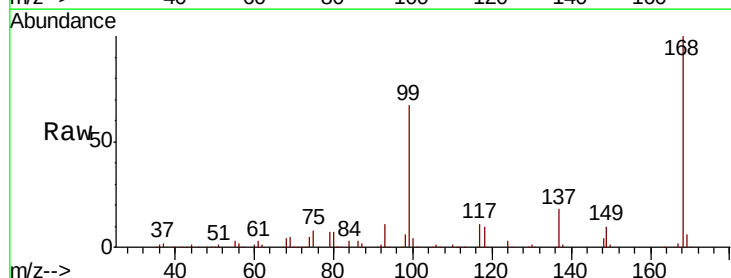
Tgt Ion: 75 Resp: 14491

Ion Ratio Lower Upper

75 100

110 10.7 19.5 58.5#

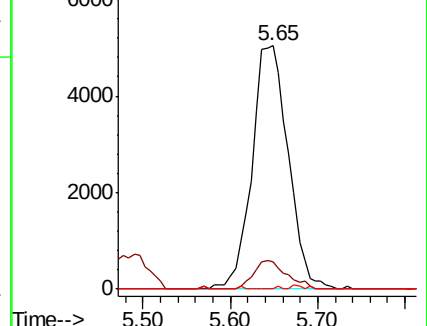
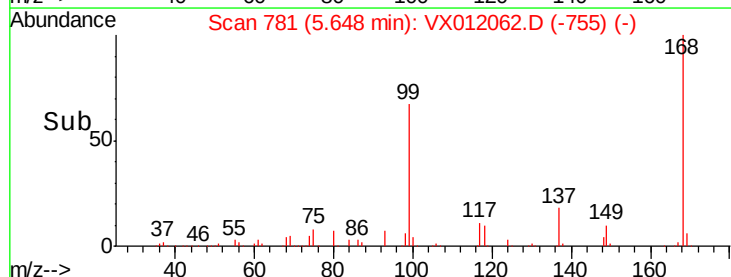
77 0.1 24.6 37.0#

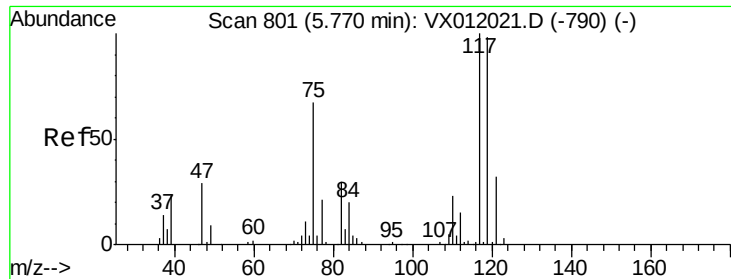


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.234 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

Instrument :

MSVOA_X

ClientSampleId :

T3-S-A-(2.5)

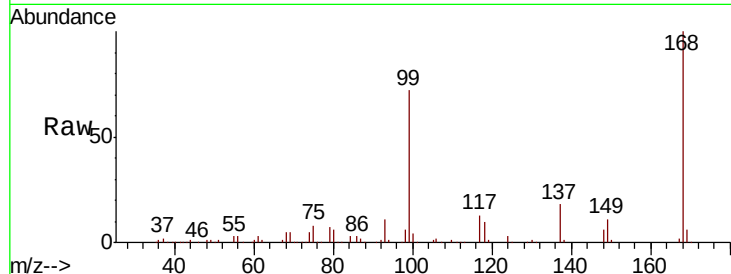
Tgt Ion: 117 Resp: 19384

Ion Ratio Lower Upper

117 100

119 4.8 78.3 117.5#

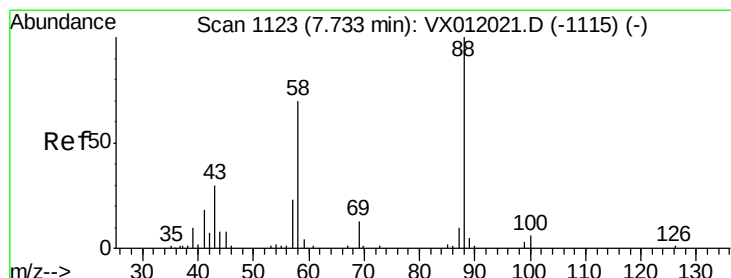
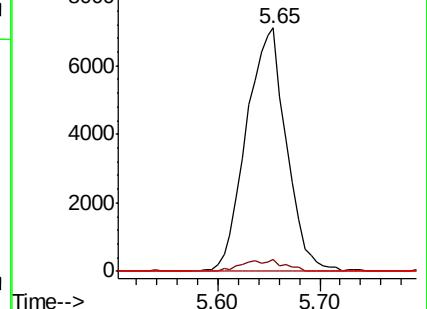
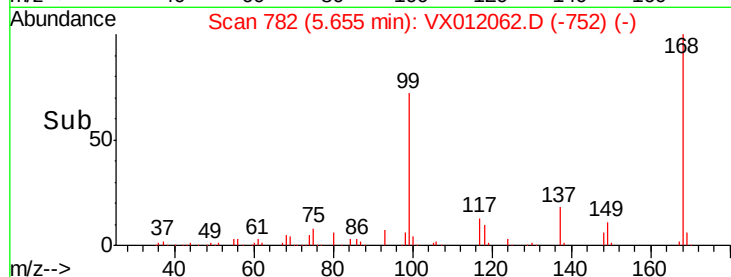
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.142 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. -0.07 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

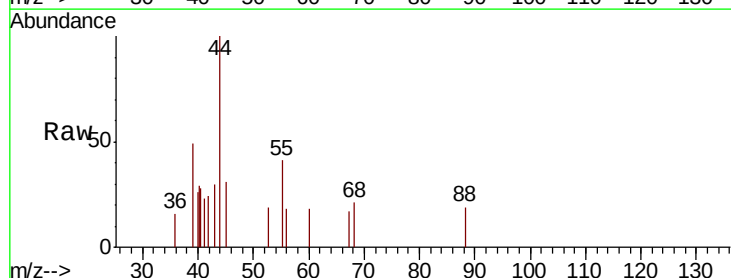
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 690.9 29.8 44.6#

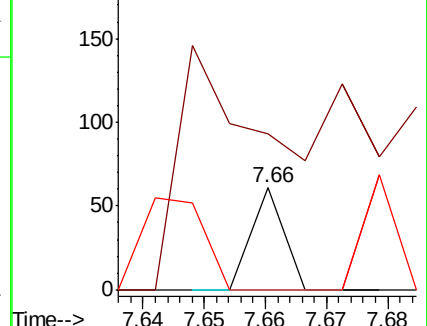
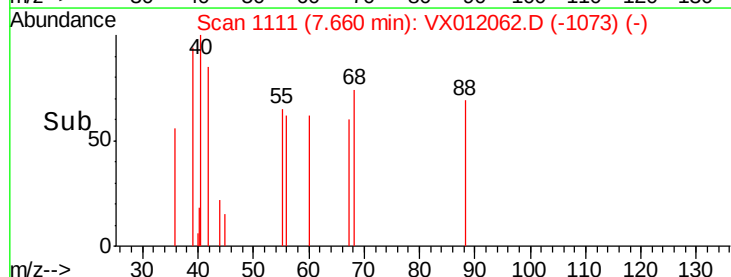
58 177.3 55.4 83.2#

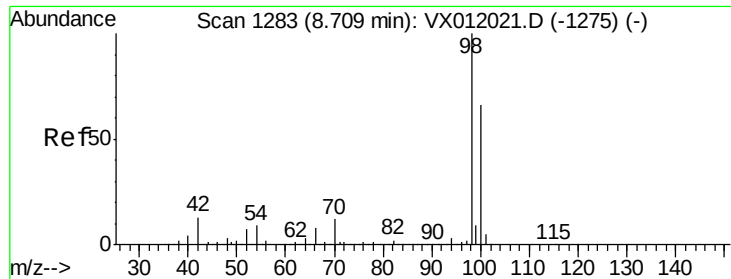


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

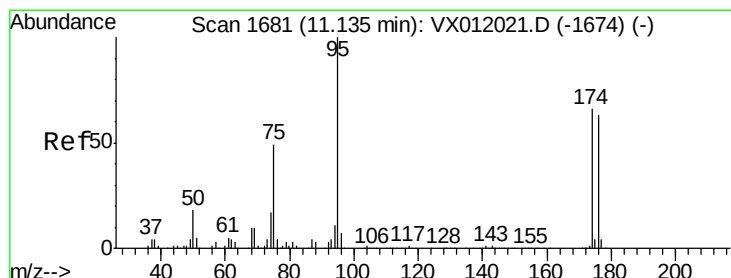
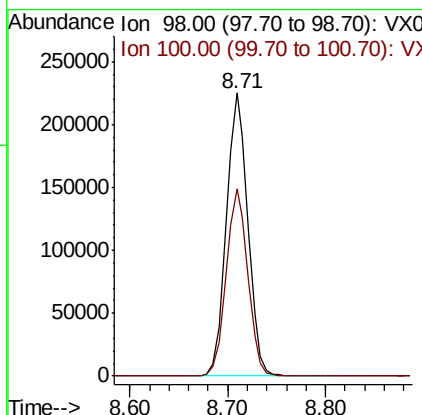
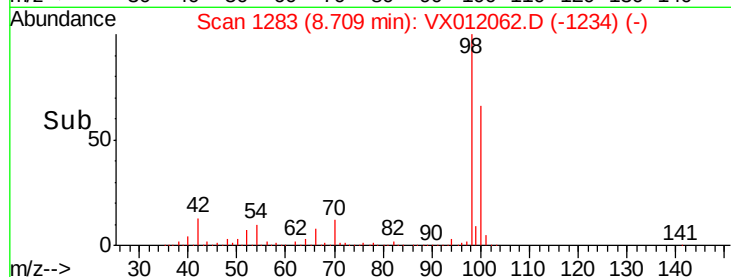
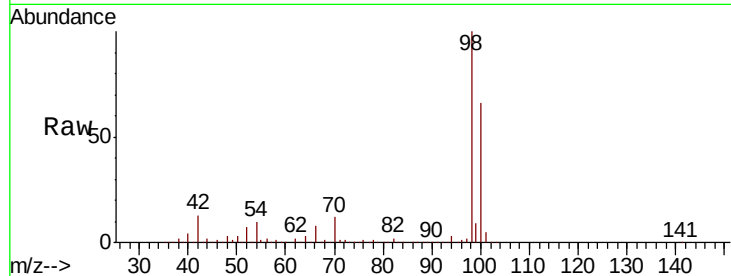




#50
Toluene-d8
Concen: 52.581 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012062.D
Acq: 04 Sep 2019 19:59

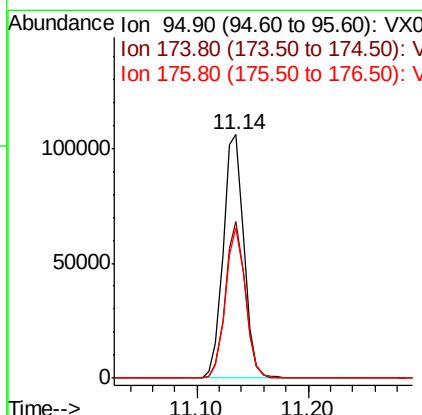
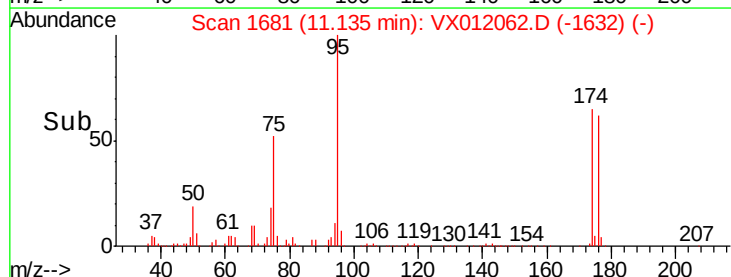
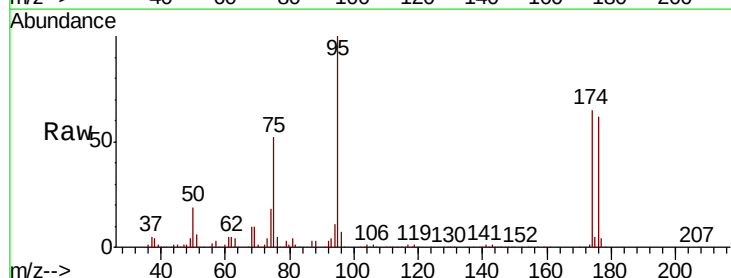
Instrument :
MSVOA_X
ClientSampleId :
T3-S-A-(2.5)

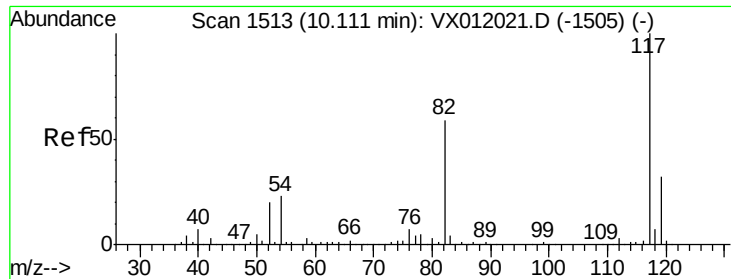
Tgt Ion: 98 Resp: 342574
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.843 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012062.D
Acq: 04 Sep 2019 19:59

Tgt Ion: 95 Resp: 135871
Ion Ratio Lower Upper
95 100
174 61.7 0.0 205.4
176 60.0 0.0 201.8

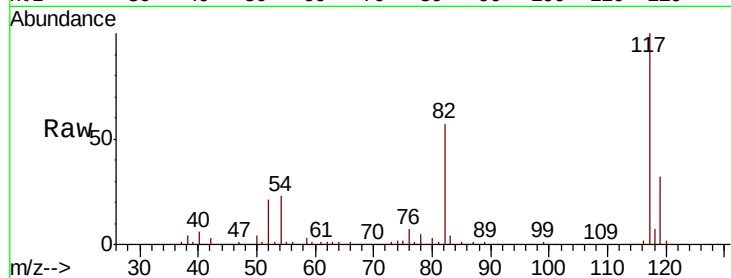




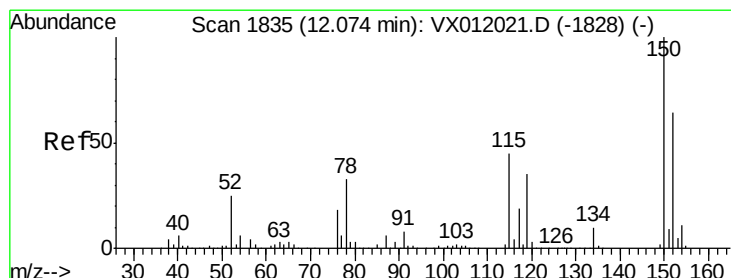
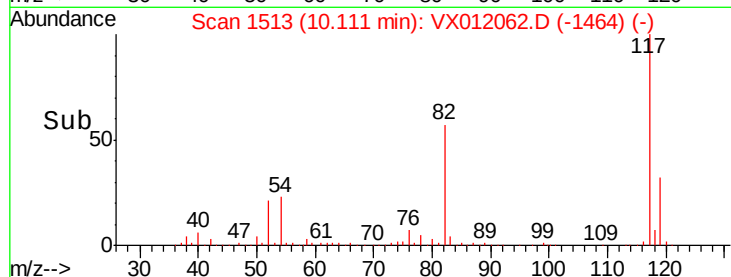
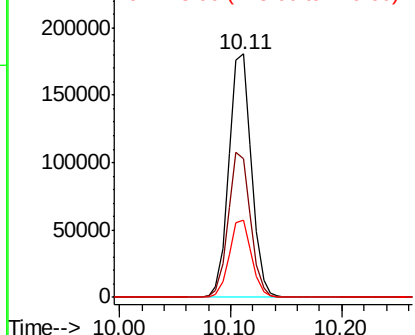
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012062.D
Acq: 04 Sep 2019 19:59

Instrument :
MSVOA_X
ClientSampled :
T3-S-A-(2.5)

Tgt Ion:117 Resp: 252952
Ion Ratio Lower Upper
117 100
82 56.7 39.4 59.0
119 31.9 26.1 39.1

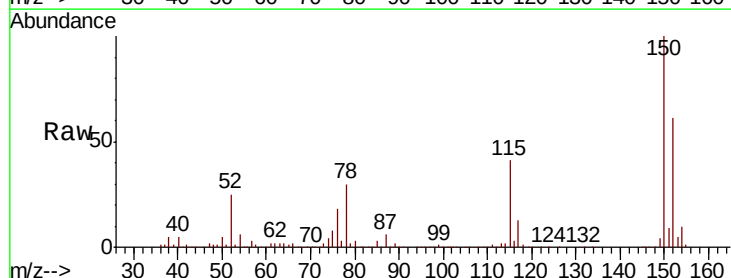


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

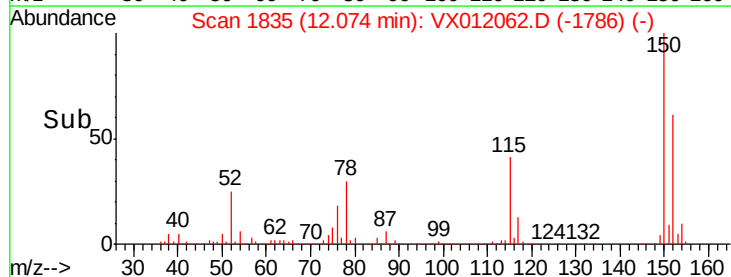
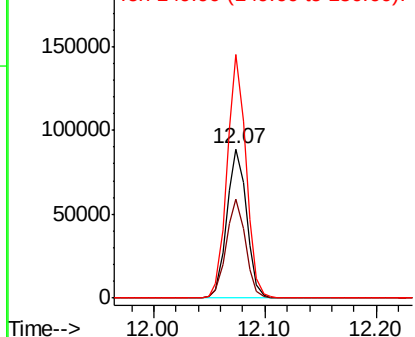


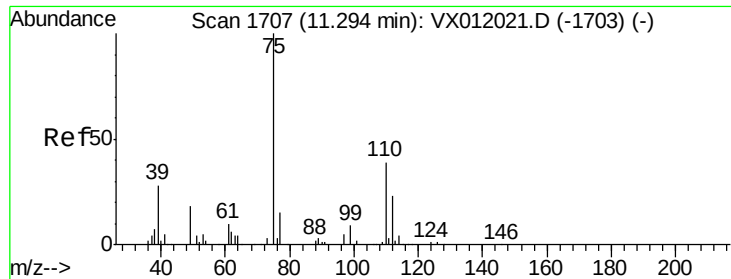
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012062.D
Acq: 04 Sep 2019 19:59

Tgt Ion:152 Resp: 108518
Ion Ratio Lower Upper
152 100
115 65.5 36.4 109.3
150 156.4 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: 52.937 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

Instrument :

MSVOA_X

ClientSampleId :

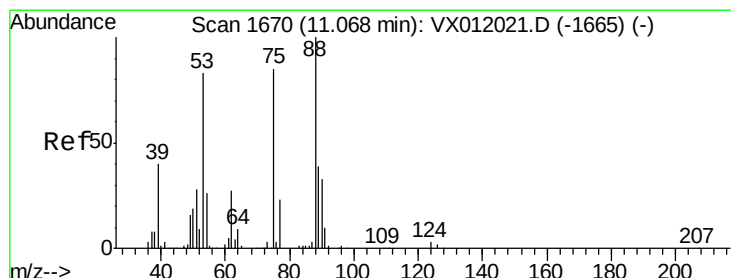
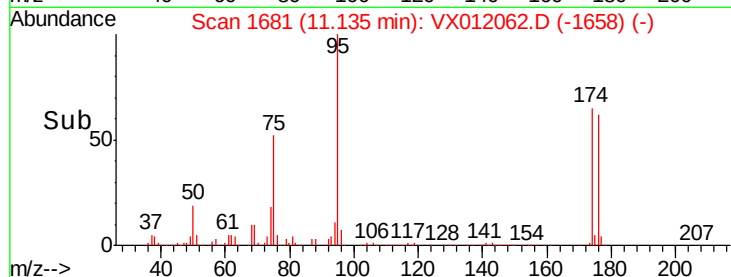
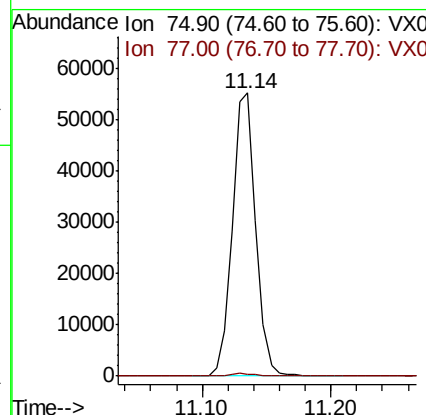
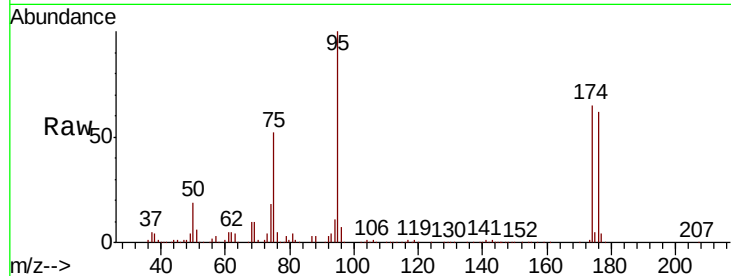
T3-S-A-(2.5)

Tgt Ion: 75 Resp: 70190

Ion Ratio Lower Upper

75 100

77 1.0 23.5 70.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.150 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012062.D

Acq: 04 Sep 2019 19:59

Tgt Ion: 75 Resp: 70190

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#

