

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012301.D
 Acq On : 11 Sep 2019 14:41
 Operator : SY/SP
 Sample : K4643-09
 Misc : 3.09g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B4-(4)

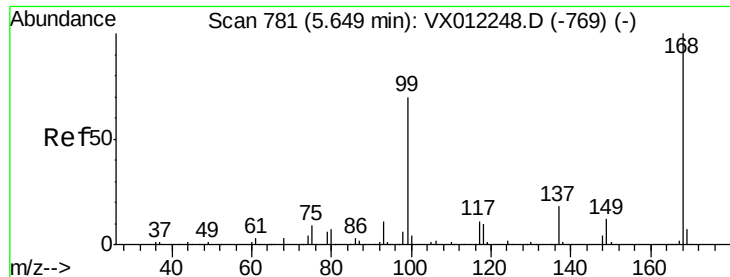
Quant Time: Sep 12 05:39:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284136	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97055	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	111886	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	5.49	113	84585	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	8.71	98	332426	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.14	95	123872	41.82	ug/l	0.00
Spiked Amount			Recovery	=	83.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	458	Below Cal	#	51
8) Diethyl Ether	2.18	74	1408	1.906	ug/l	82
11) Tert butyl alcohol	3.03	59	1549	Below Cal	#	77
13) Acrolein	2.28	56	327	2.703	ug/l #	12
16) Acetone	2.43	43	59064	107.795	ug/l	98
20) Methylene Chloride	2.84	84	11593	4.377	ug/l	96
25) 2-Butanone	4.67	43	8481	12.108	ug/l	100
29) Tetrahydrofuran	5.13	42	4405	11.656	ug/l	99
36) 1,1-Dichloropropene	5.65	75	15226	7.349	ug/l #	52
37) Ethyl Acetate	4.67	43	8481	6.622	ug/l #	72
38) Carbon Tetrachloride	5.65	117	18244	7.505	ug/l #	15
49) 1,4-Dioxane	7.74	88	19	1.089	ug/l #	19
76) 1,2,3-Trichloropropane	11.14	75	63863	51.221	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	63863	153.469	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012301.D

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MSVOA_X

ClientSampleId :

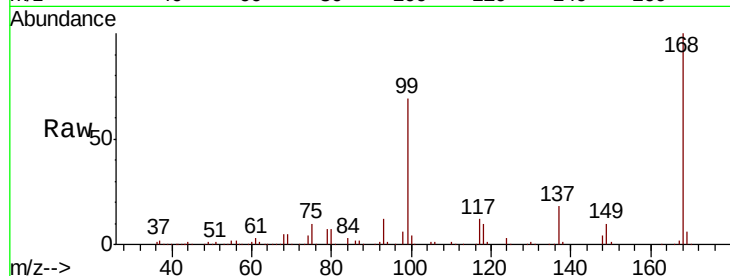
T11-B4-(4)

Tgt Ion: 168 Resp: 163712

Ion Ratio Lower Upper

168 100

99 69.3 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

40000

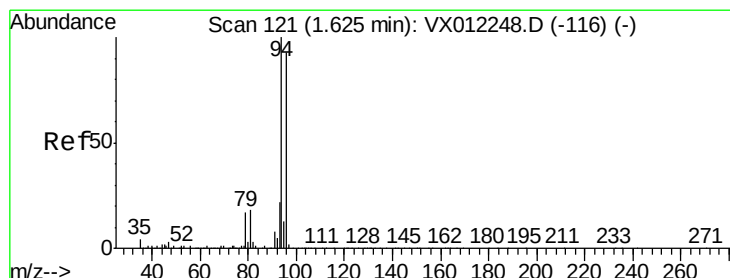
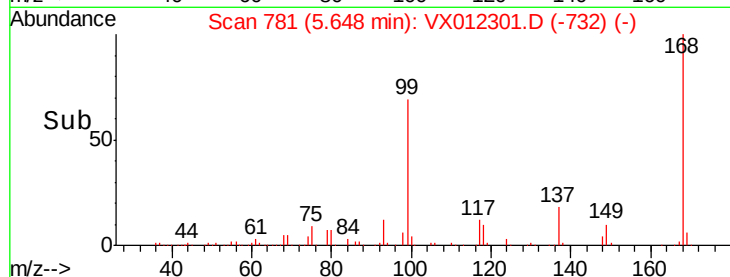
20000

0

Time-->

5.50 5.60 5.70 5.80

5.65



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012301.D

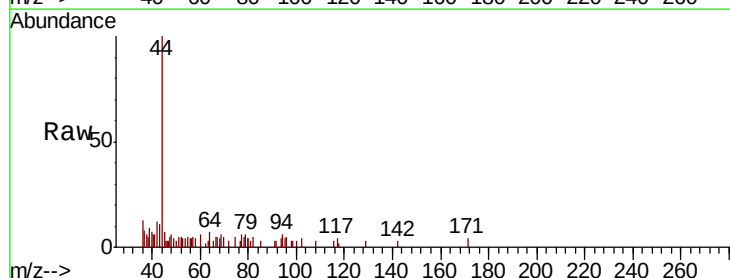
Acq: 11 Sep 2019 14:41

Tgt Ion: 94 Resp: 458

Ion Ratio Lower Upper

94 100

96 45.4 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

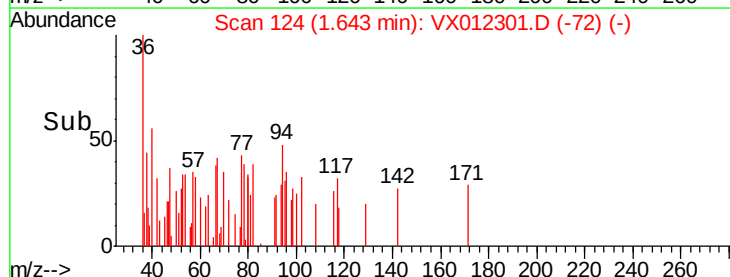
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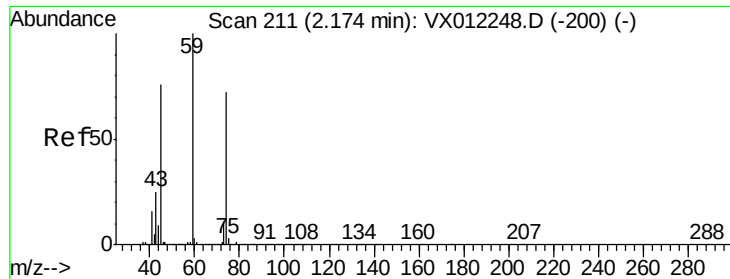
0

Time-->

1.60 1.65

1.64





#8

Diethyl Ether

Concen: 1.906 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012301.D

Acq: 11 Sep 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

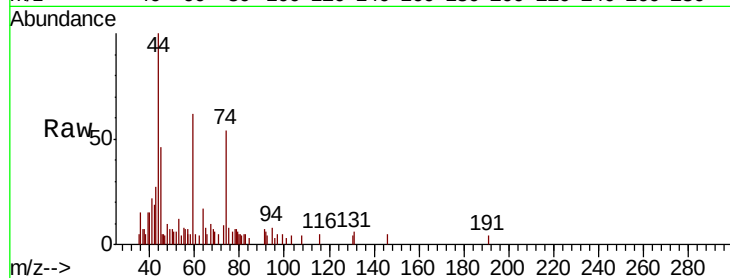
T11-B4-(4)

Tgt Ion: 74 Resp: 1408

Ion Ratio Lower Upper

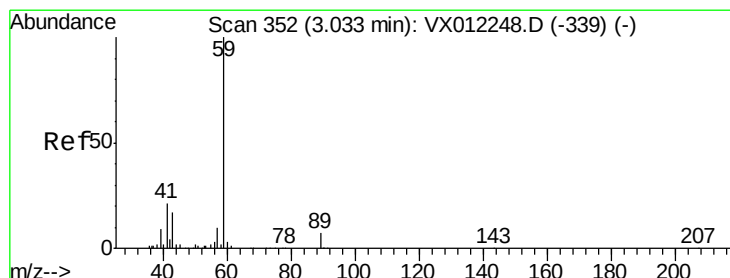
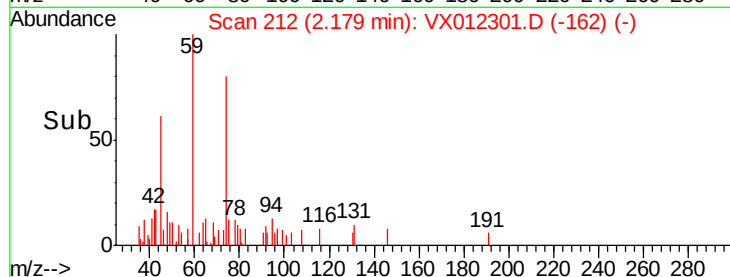
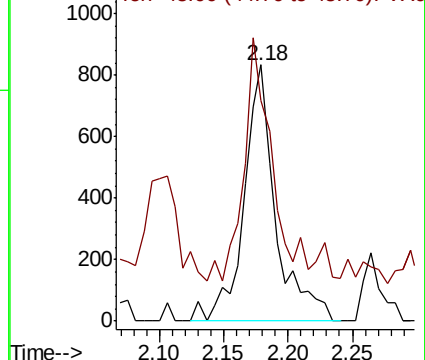
74 100

45 84.3 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX012301.D

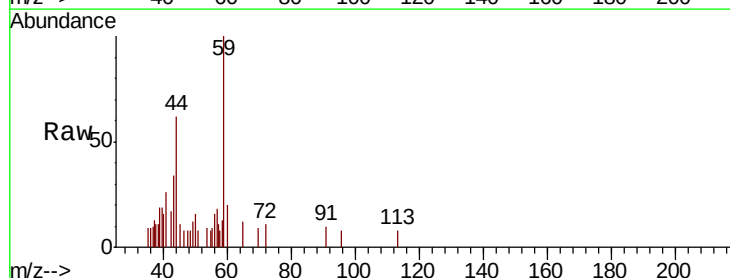
Acq: 11 Sep 2019 14:41

Tgt Ion: 59 Resp: 1549

Ion Ratio Lower Upper

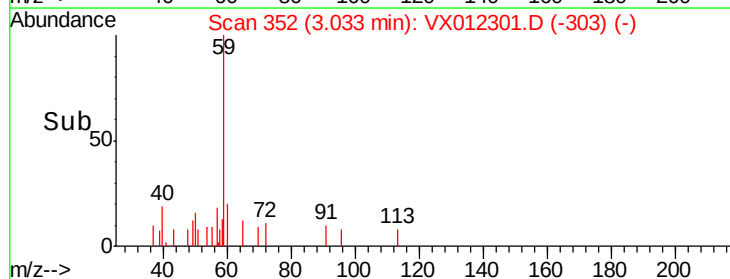
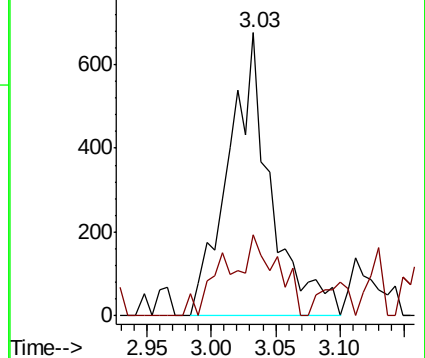
59 100

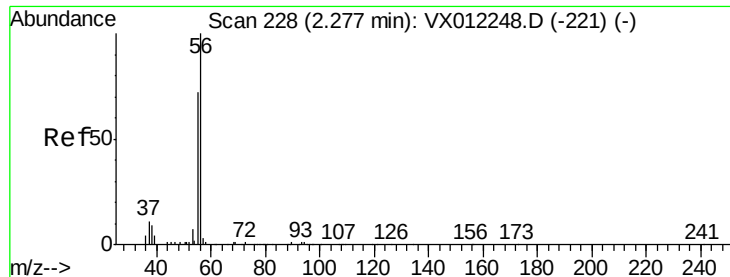
57 18.3 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

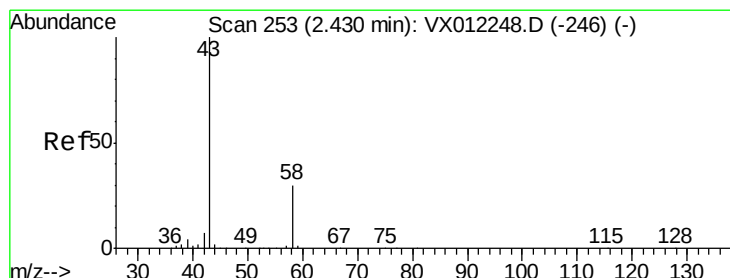
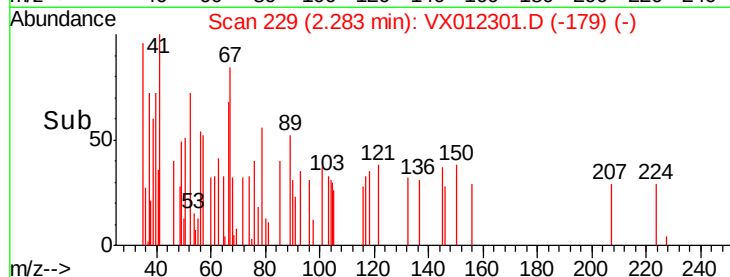
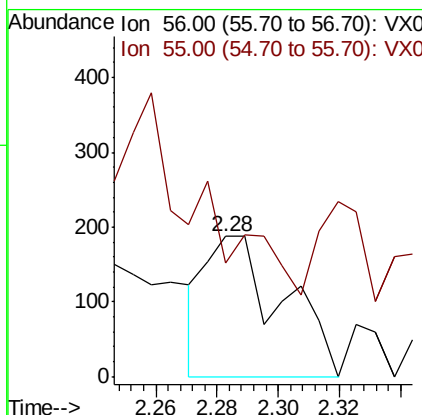
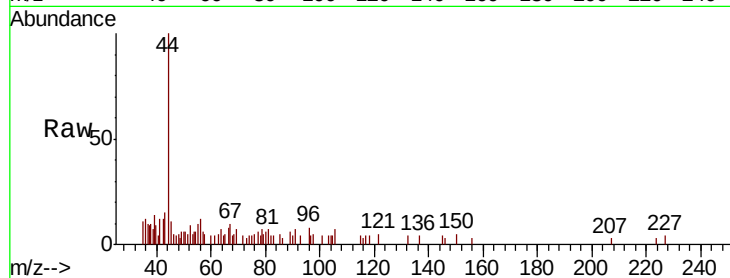




#13
Acrolein
Concen: 2.703 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

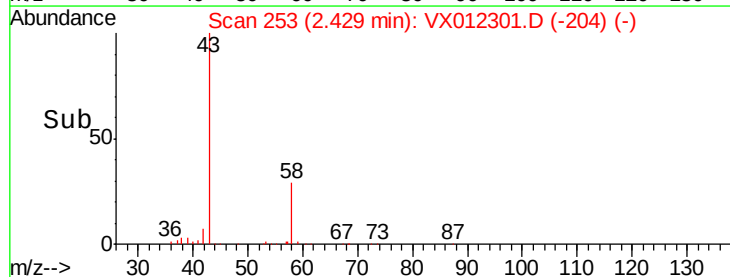
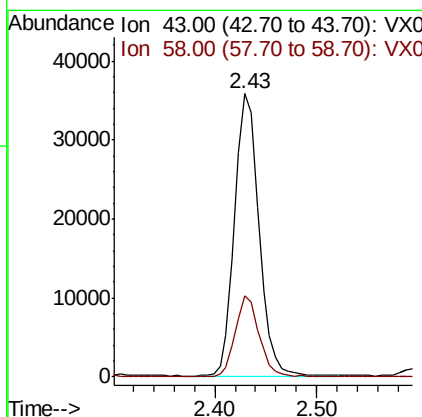
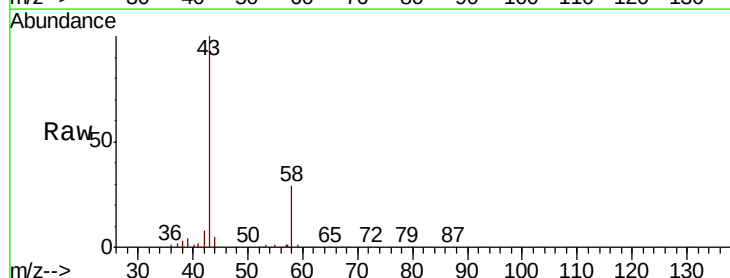
Instrument :
MSVOA_X
ClientSampled :
T11-B4-(4)

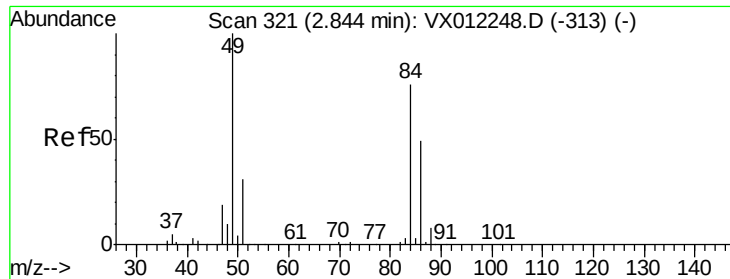
Tgt Ion: 56 Resp: 327
Ion Ratio Lower Upper
56 100
55 0.0 59.8 89.6#



#16
Acetone
Concen: 107.795 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

Tgt Ion: 43 Resp: 59064
Ion Ratio Lower Upper
43 100
58 28.6 23.6 35.4

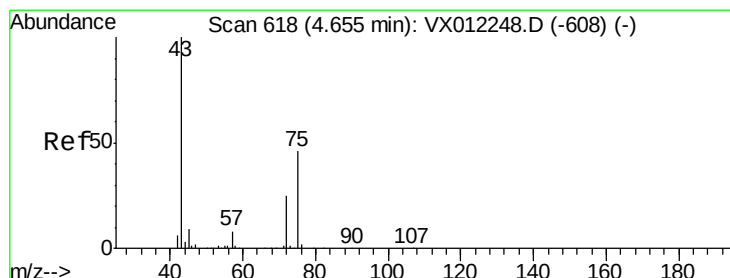
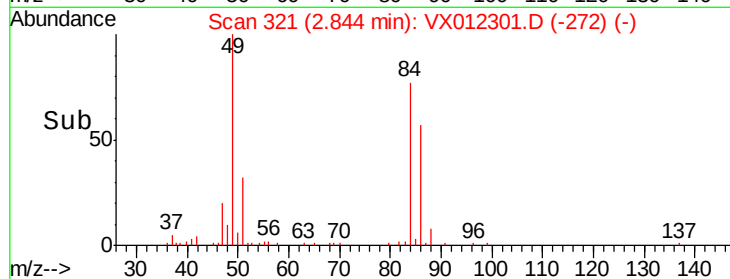
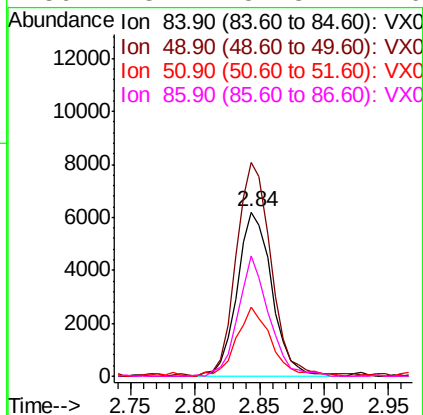
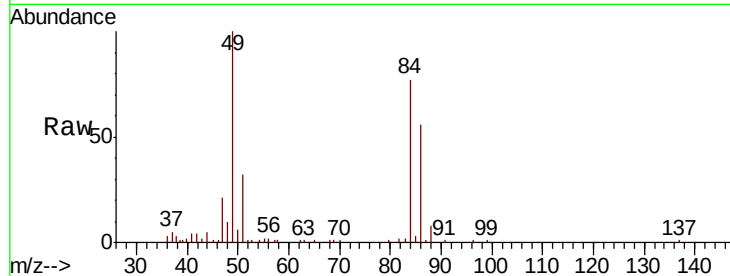




#20
Methylene Chloride
Concen: 4.377 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

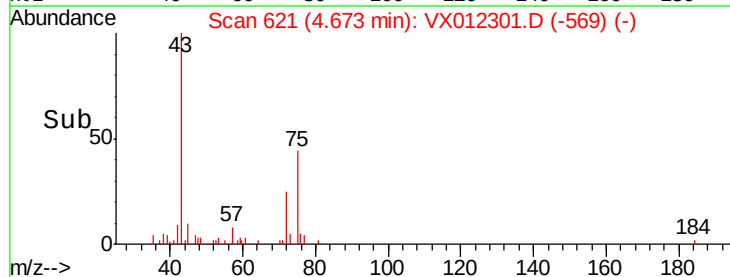
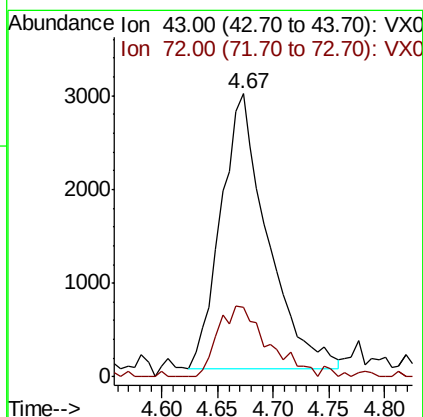
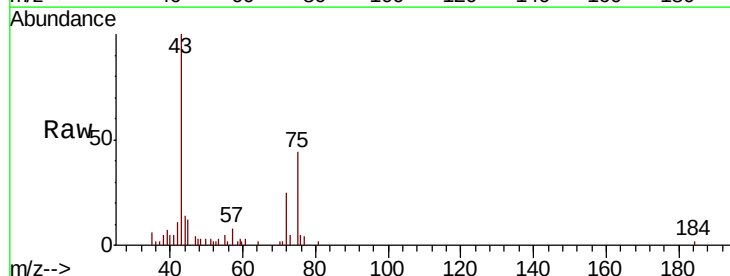
Instrument :
MSVOA_X
ClientSampleId :
T11-B4-(4)

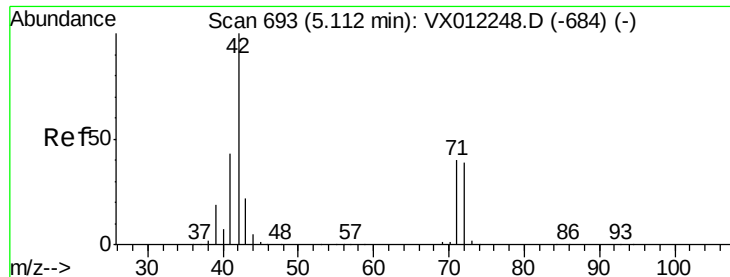
Tgt Ion: 84 Resp: 11593
Ion Ratio Lower Upper
84 100
49 129.3 105.0 157.6
51 42.1 32.6 48.8
86 73.1 51.8 77.6



#25
2-Butanone
Concen: 12.108 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

Tgt Ion: 43 Resp: 8481
Ion Ratio Lower Upper
43 100
72 25.3 20.2 30.2





#29

Tetrahydrofuran

Concen: 11.656 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012301.D

Acq: 11 Sep 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

T11-B4-(4)

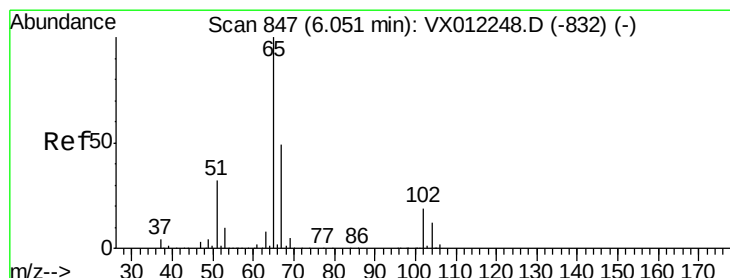
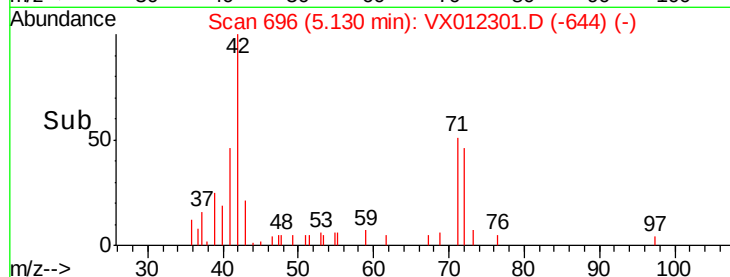
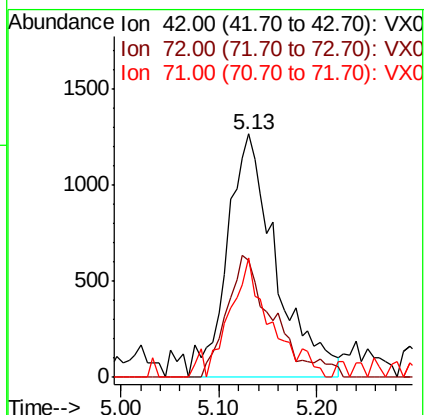
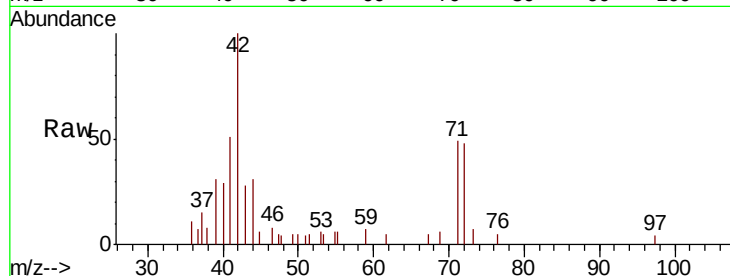
Tgt Ion: 42 Resp: 4405

Ion Ratio Lower Upper

42 100

72 45.4 35.2 52.8

71 40.7 32.5 48.7



#33

1,2-Dichloroethane-d4

Concen: 48.340 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012301.D

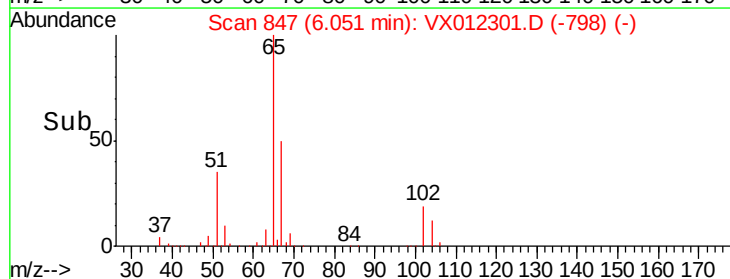
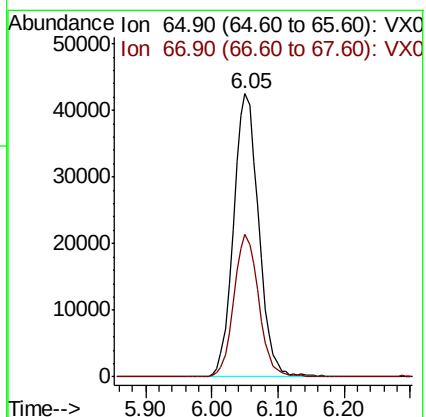
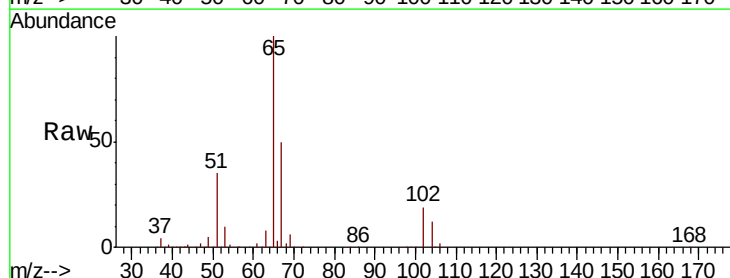
Acq: 11 Sep 2019 14:41

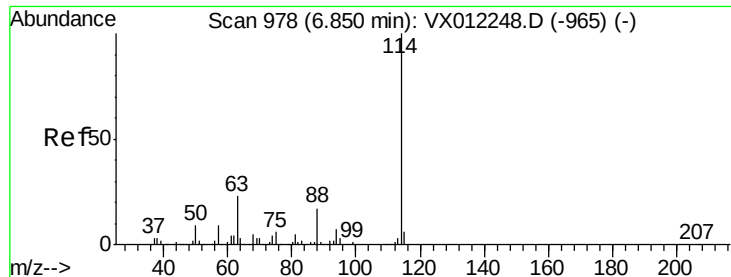
Tgt Ion: 65 Resp: 111886

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.8

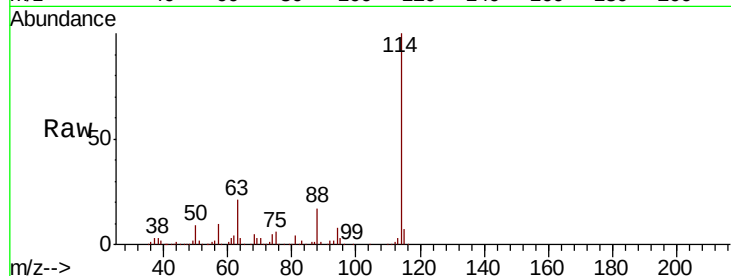




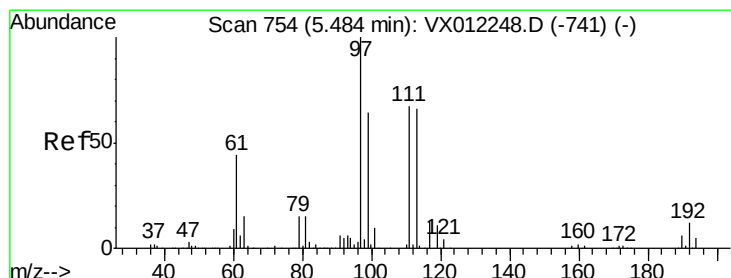
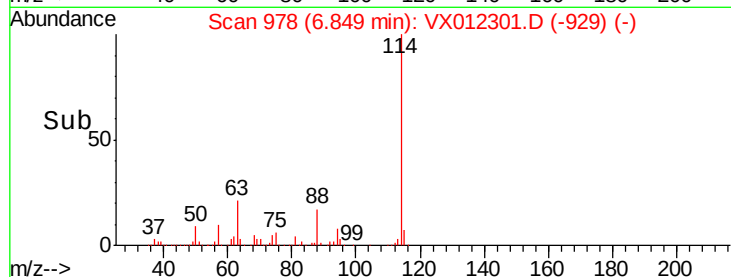
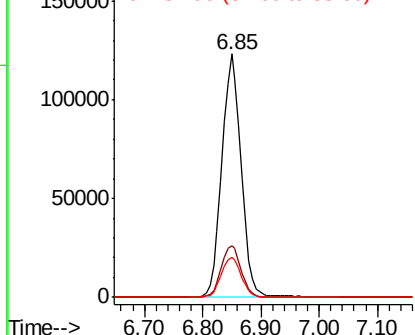
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B4-(4)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	45.2
88	16.7	0.0	34.8

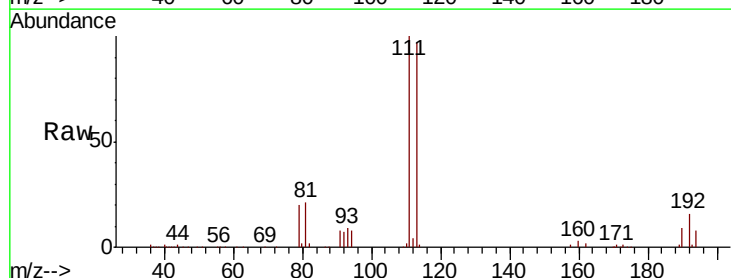


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

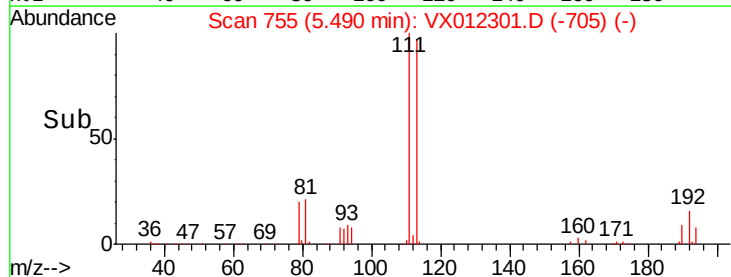
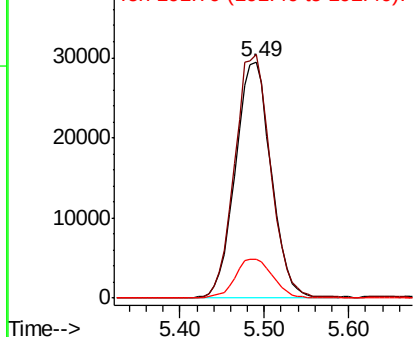


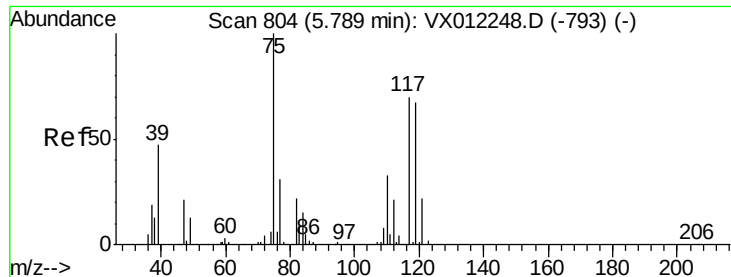
#35
 Dibromofluoromethane
 Concen: 46.438 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.6
192	17.3	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

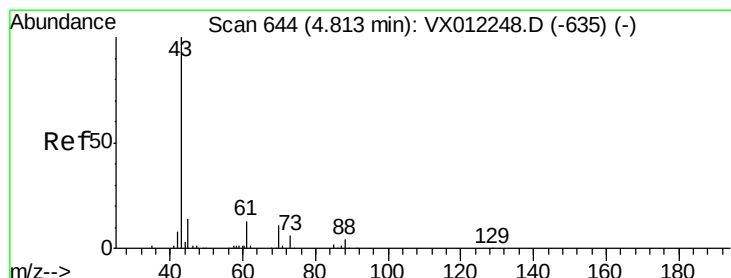
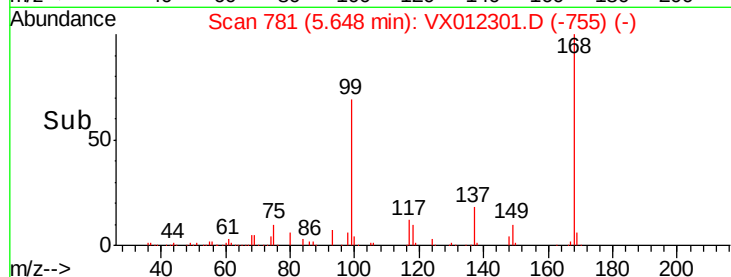
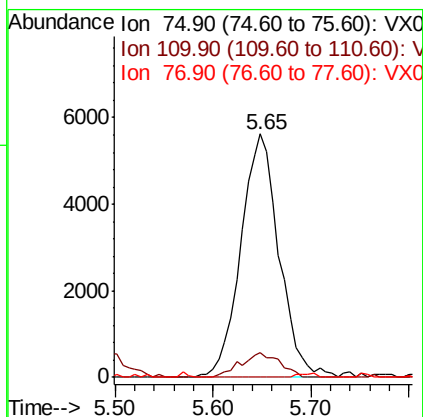
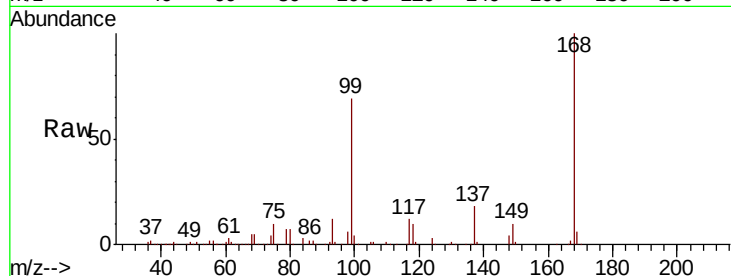




#36
 1,1-Dichloropropene
 Concen: 7.349 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

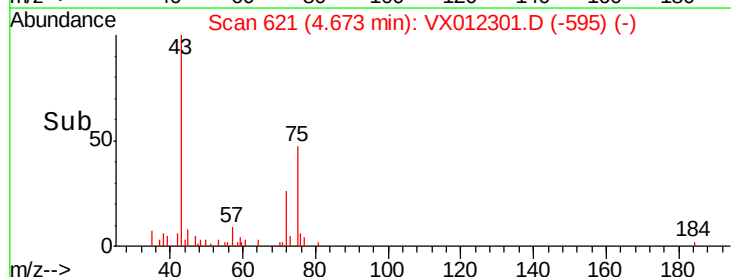
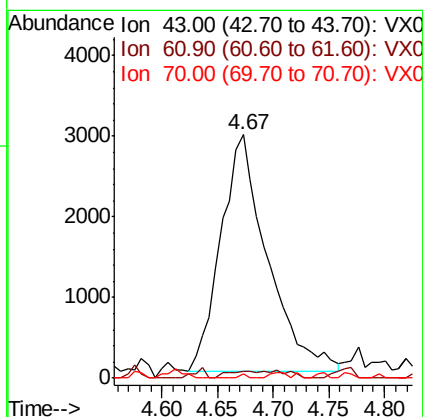
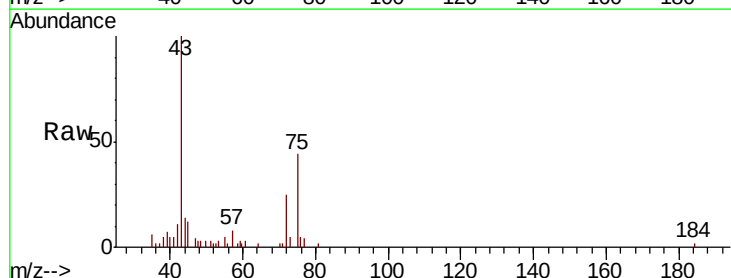
Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(4)

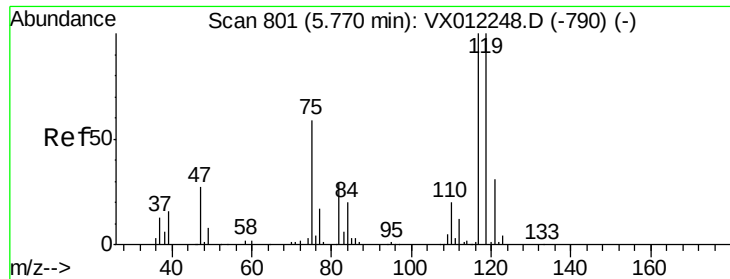
Tgt Ion: 75 Resp: 15226
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.8 50.4#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 6.622 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. -0.14 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

Tgt Ion: 43 Resp: 8481
 Ion Ratio Lower Upper
 43 100
 61 1.9 10.3 15.5#
 70 0.2 9.1 13.7#

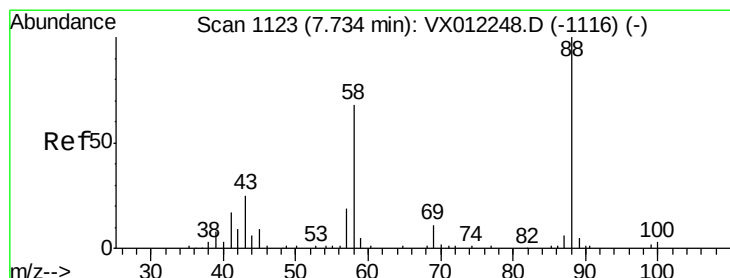
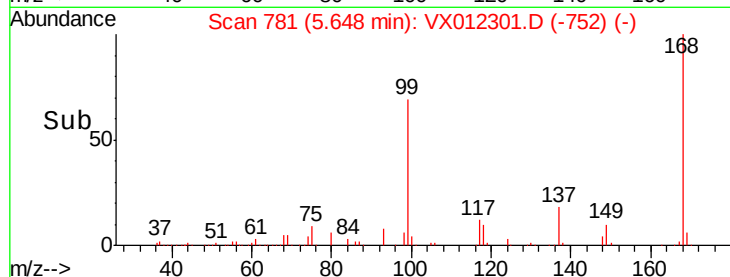
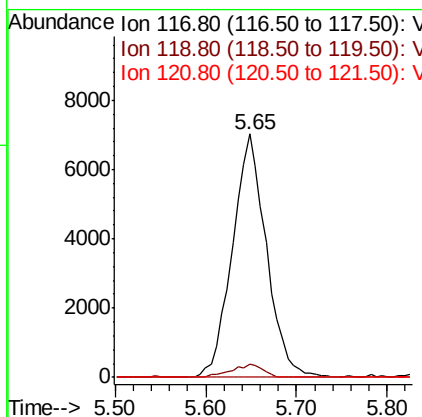
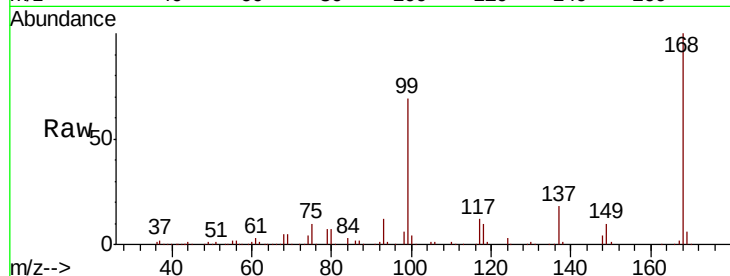




#38
 Carbon Tetrachloride
 Concen: 7.505 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

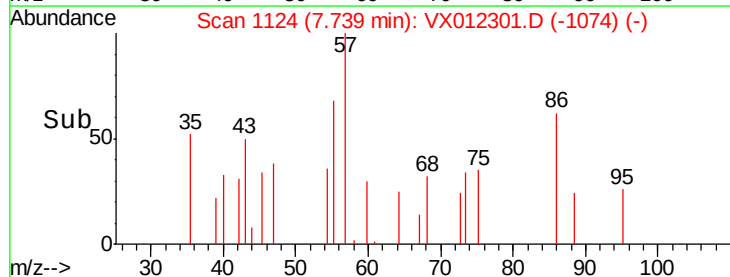
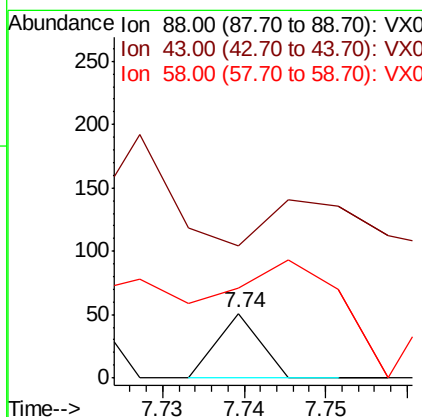
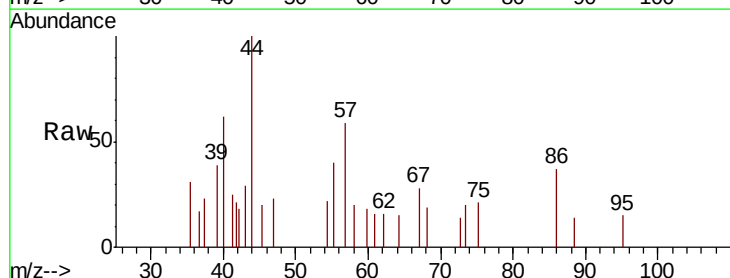
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B4-(4)

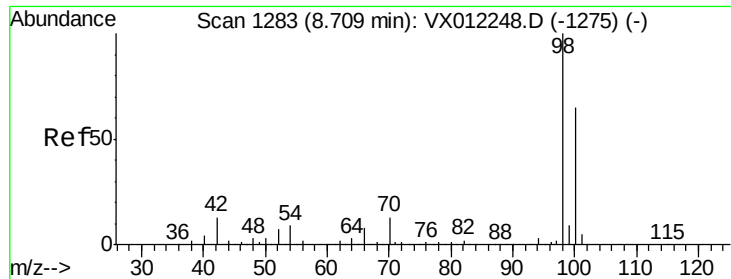
Tgt Ion:117 Resp: 18244
 Ion Ratio Lower Upper
 117 100
 119 5.6 79.6 119.4#
 121 0.0 24.7 37.1#



#49
 1,4-Dioxane
 Concen: 1.089 ug/l
 RT: 7.74 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

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

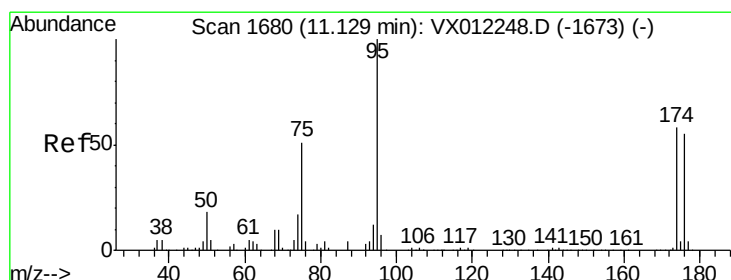
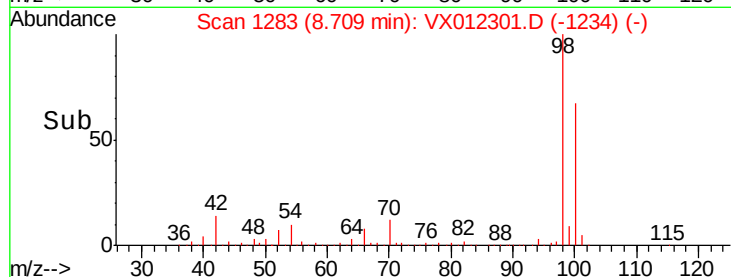
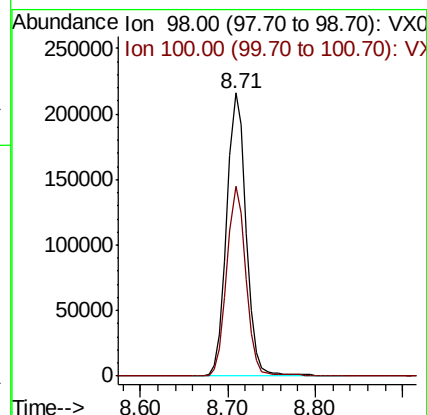
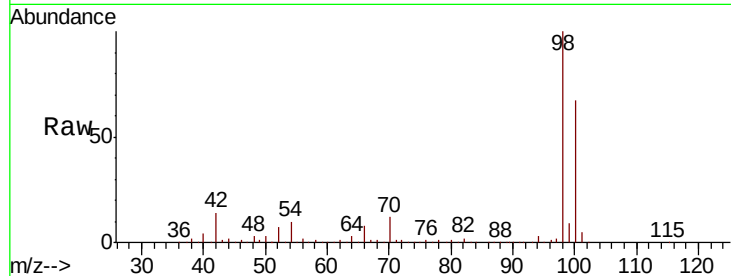




#50
Toluene-d8
Concen: 52.036 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

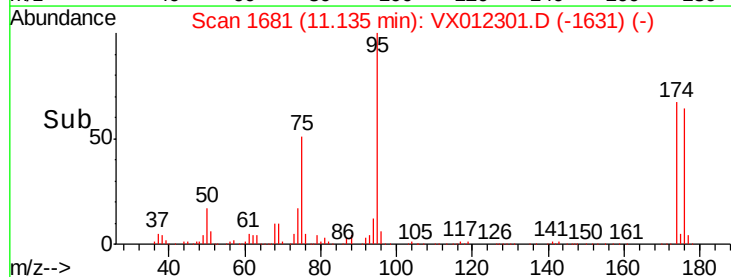
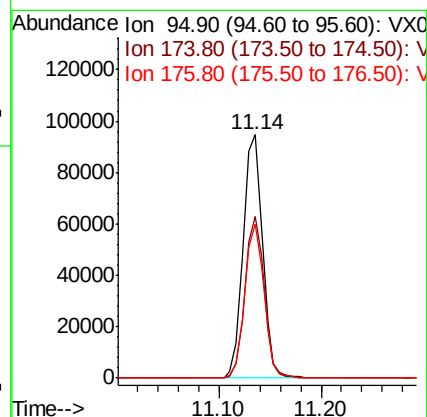
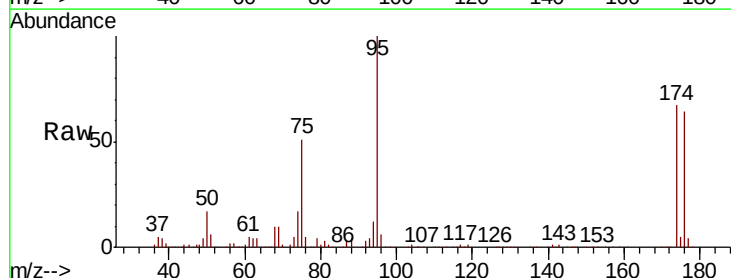
Instrument :
MSVOA_X
ClientSampleId :
T11-B4-(4)

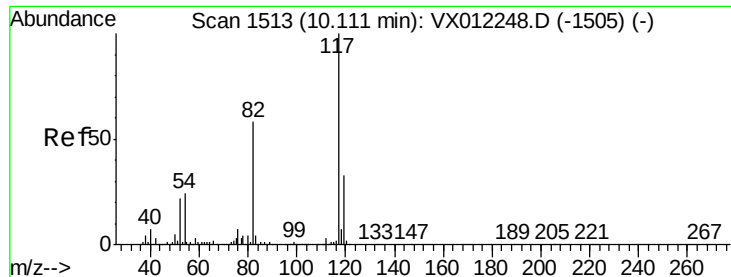
Tgt Ion: 98 Resp: 332426
Ion Ratio Lower Upper
98 100
100 66.5 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 41.825 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

Tgt Ion: 95 Resp: 123872
Ion Ratio Lower Upper
95 100
174 65.1 0.0 127.0
176 62.8 0.0 125.8

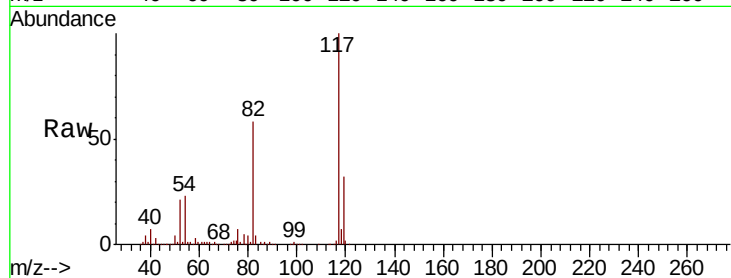




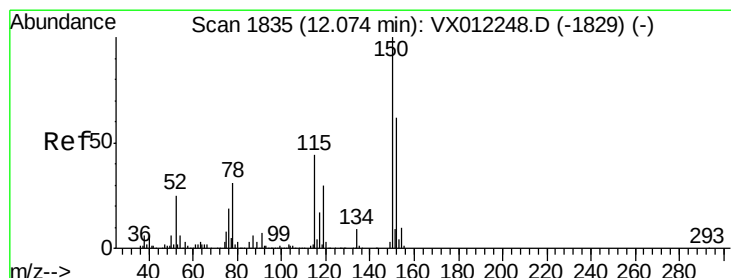
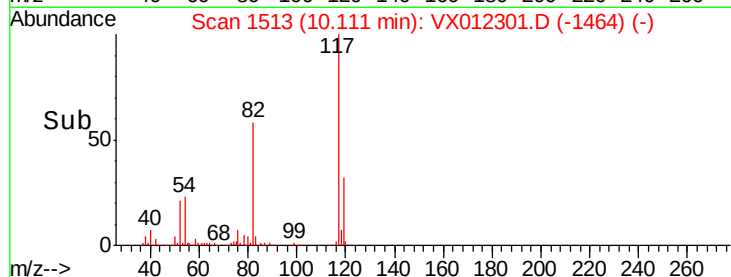
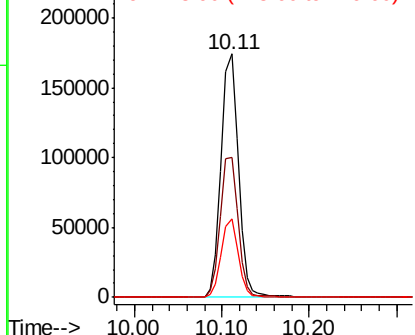
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
T11-B4-(4)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.4	69.6
119	32.4	26.6	39.8

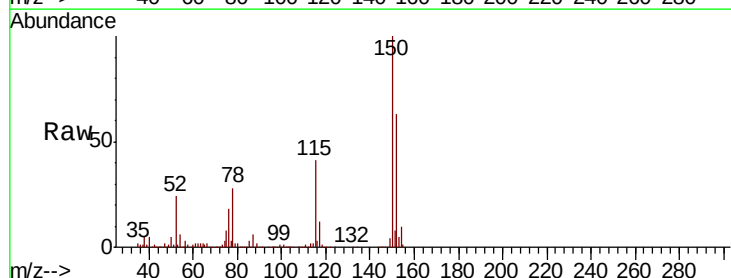


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

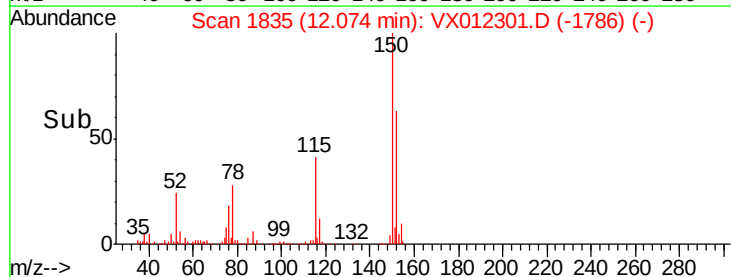
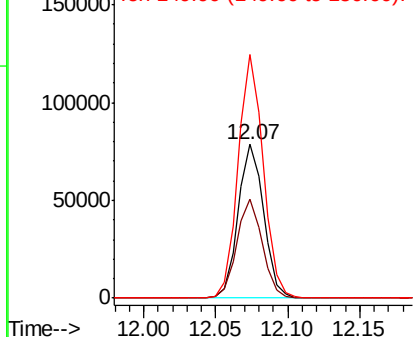


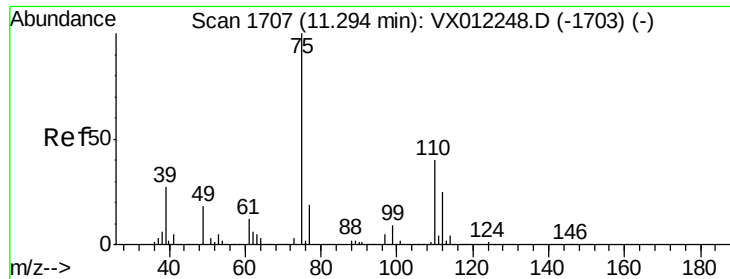
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012301.D
Acq: 11 Sep 2019 14:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	45.5	136.4
150	155.7	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

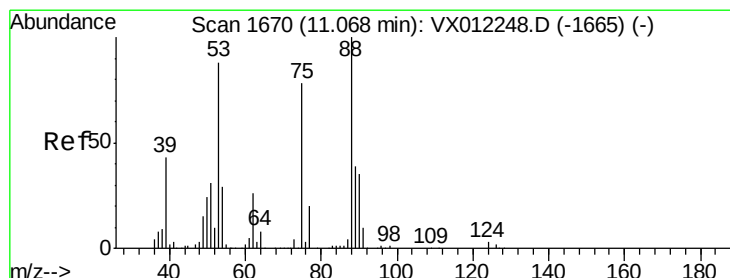
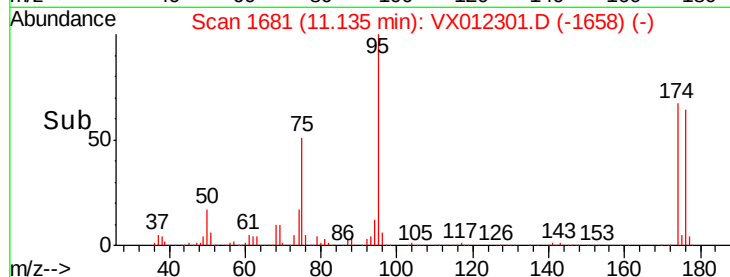
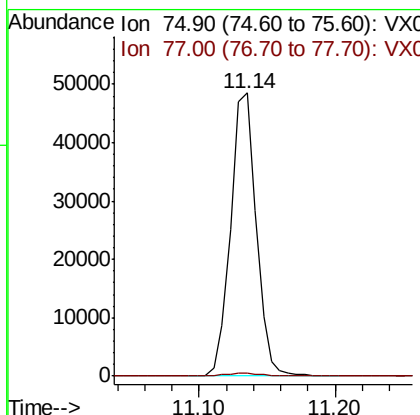
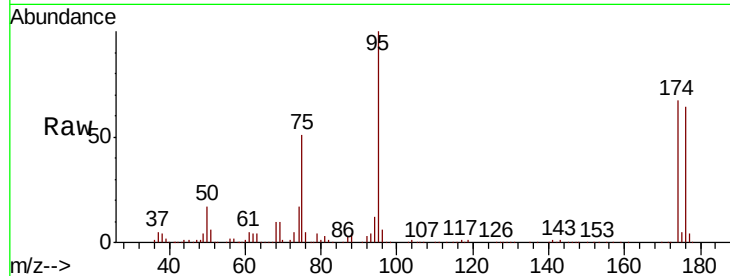




#76
 1,2,3-Trichloropropane
 Concen: 51.221 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

Instrument :
 MSVOA_X
 ClientSampled :
 T11-B4-(4)

Tgt Ion: 75 Resp: 63863
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.469 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012301.D
 Acq: 11 Sep 2019 14:41

Tgt Ion: 75 Resp: 63863
 Ion Ratio Lower Upper
 75 100
 53 0.4 88.1 132.1#
 89 0.0 43.5 65.3#

