

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011821.D
 Acq On : 24 Aug 2019 16:15
 Operator : JC/SP
 Sample : K4474-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F1-(0)

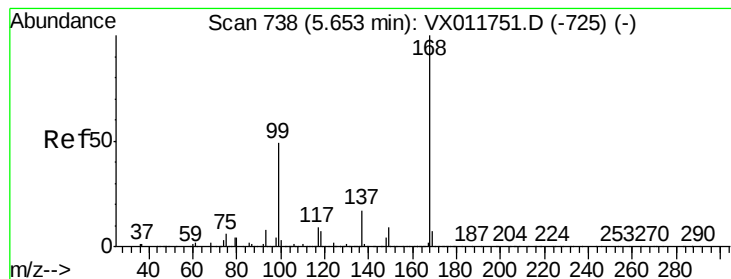
Quant Time: Aug 26 04:10:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	482774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	648817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	604318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	217402	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
35) Dibromofluoromethane	5.49	113	191883	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
50) Toluene-d8	8.71	98	748073	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.13	95	274973	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	851	0.215	ug/l #	42
11) Tert butyl alcohol	3.01	59	2329	2.430	ug/l #	72
13) Acrolein	2.29	56	684	1.846	ug/l #	40
16) Acetone	2.43	43	11686	5.539	ug/l	97
18) Methyl Acetate	2.77	43	2755	0.481	ug/l	100
20) Methylene Chloride	2.85	84	17187	3.985	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	26117	5.133	ug/l #	52
38) Carbon Tetrachloride	5.65	117	40321	6.993	ug/l #	16
43) Isopropyl Acetate	6.44	43	70218	8.058	ug/l	99
46) Dibromomethane	7.66	93	623	0.214	ug/l #	29
48) Methyl methacrylate	7.68	41	4345	1.002	ug/l #	16
49) 1,4-Dioxane	7.73	88	260	2.164	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	64257	11.190	ug/l #	52
54) cis-1,3-Dichloropropene	8.61	75	31983	5.319	ug/l #	61
59) 2-Hexanone	9.54	43	73555	16.689	ug/l #	49
74) N-amyl acetate	10.82	43	2815	0.375	ug/l #	58
76) 1,2,3-Trichloropropane	11.13	75	124869	22.097	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	124869	66.640	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

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ClientSampleId :

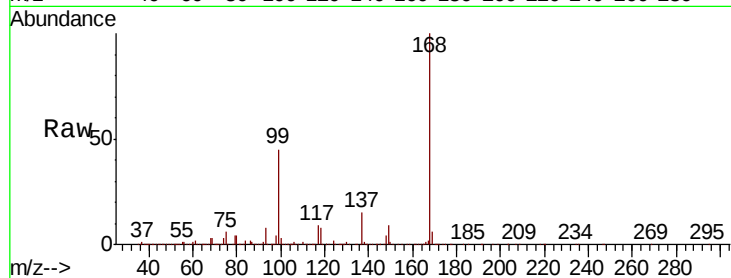
T1-2-F1-(0)

Tgt Ion:168 Resp: 482774

Ion Ratio Lower Upper

168 100

99 44.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

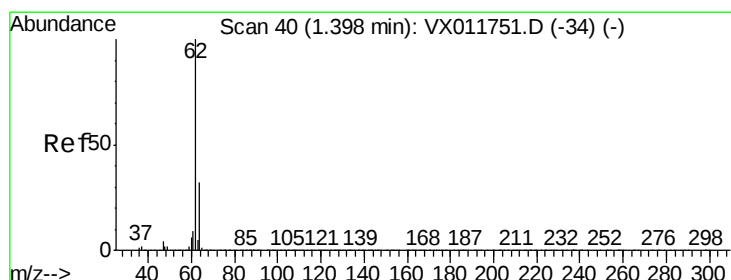
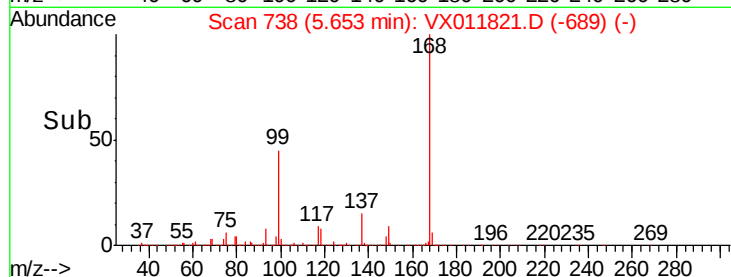
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.215 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX011821.D

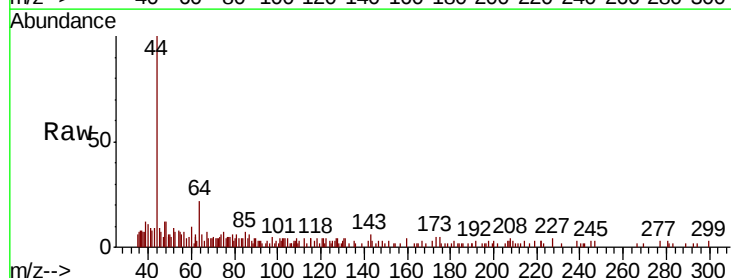
Acq: 24 Aug 2019 16:15

Tgt Ion: 62 Resp: 851

Ion Ratio Lower Upper

62 100

64 64.3 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1200

1000

800

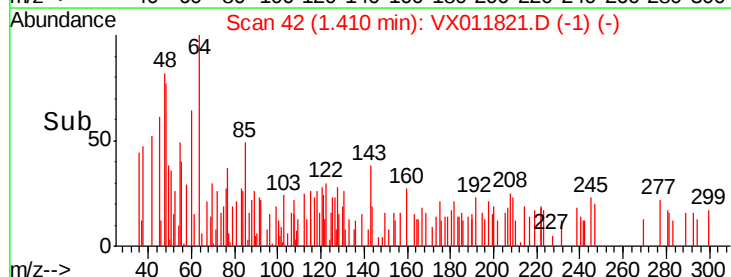
600

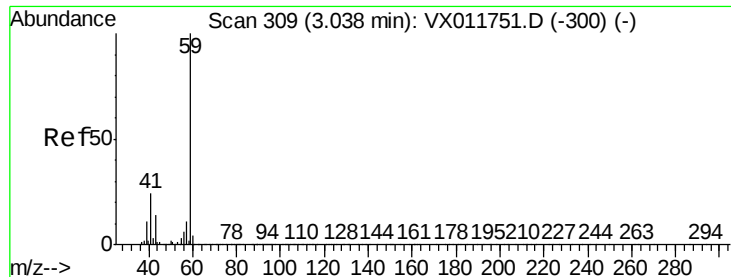
400

200

0

Time-->



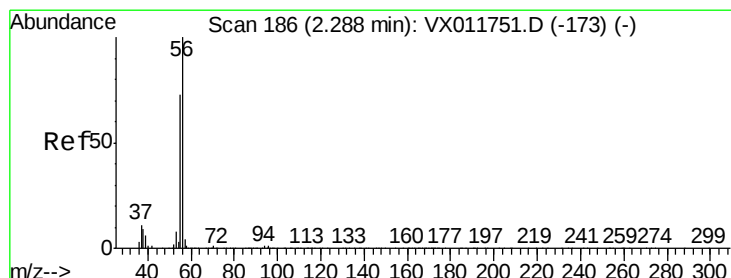
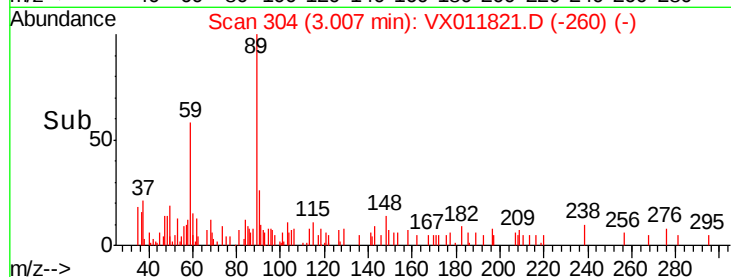
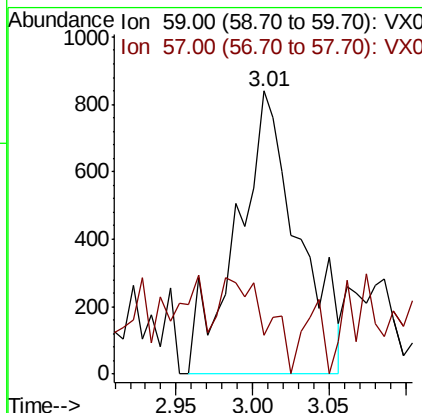
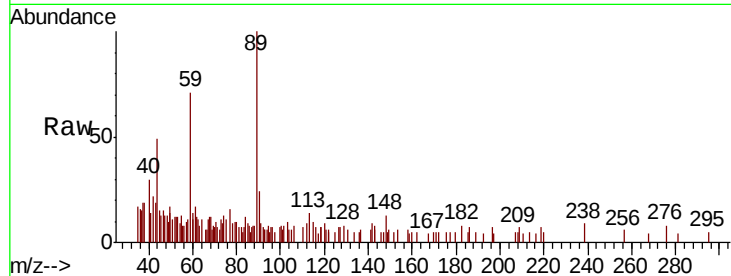


#11

Tert butyl alcohol
Concen: 2.430 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
T1-2-F1-(0)

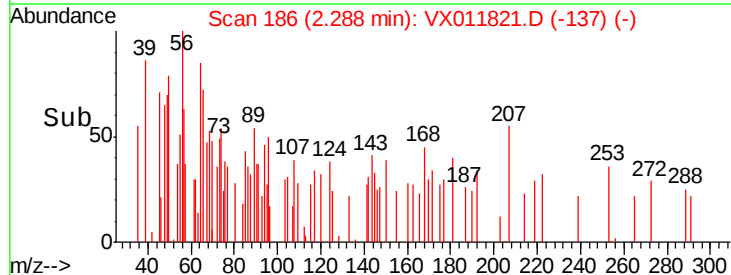
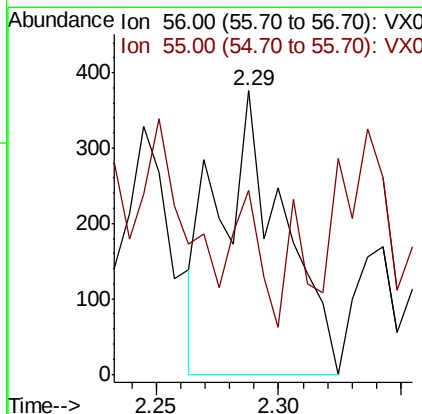
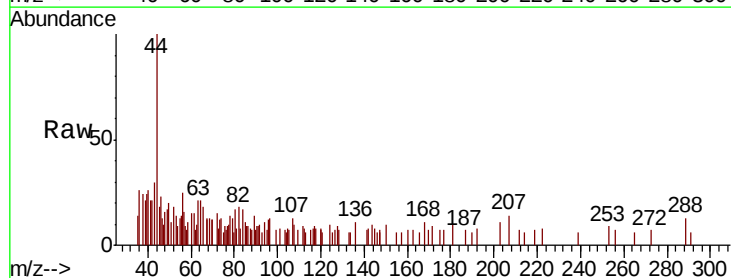
Tgt Ion: 59 Resp: 2329
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

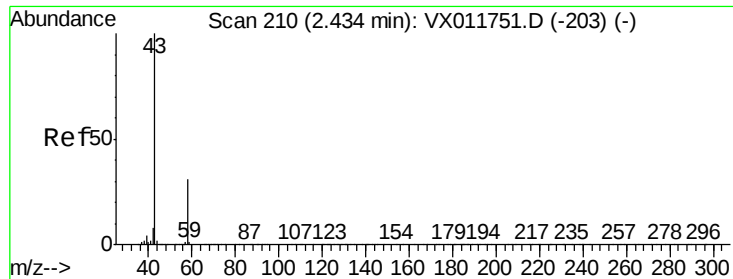


#13

Acrolein
Concen: 1.846 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.00 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

Tgt Ion: 56 Resp: 684
Ion Ratio Lower Upper
56 100
55 20.0 54.8 82.2#

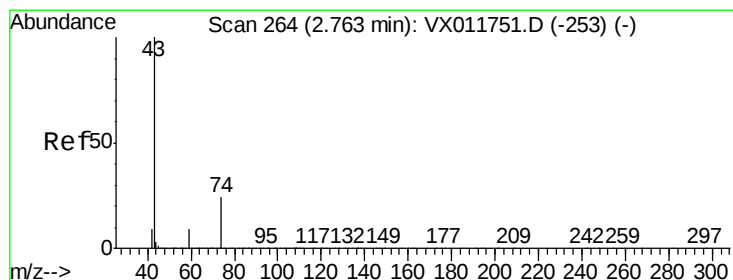
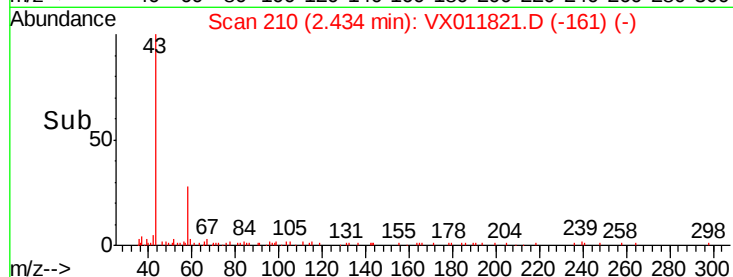
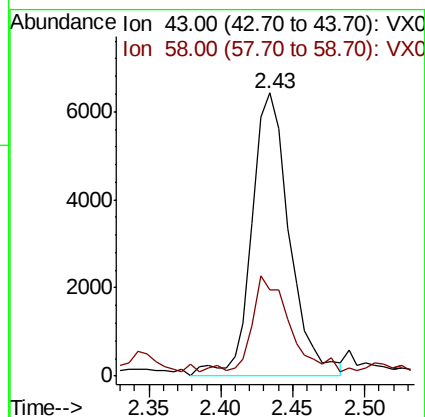
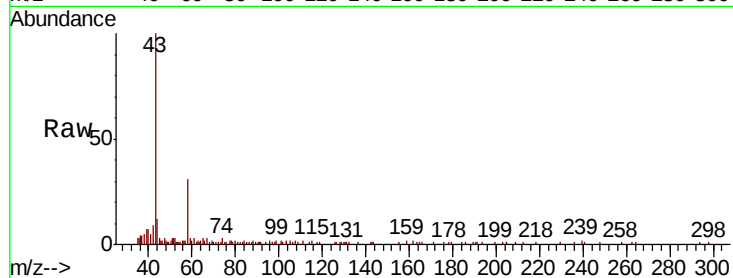




#16
Acetone
Concen: 5.539 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

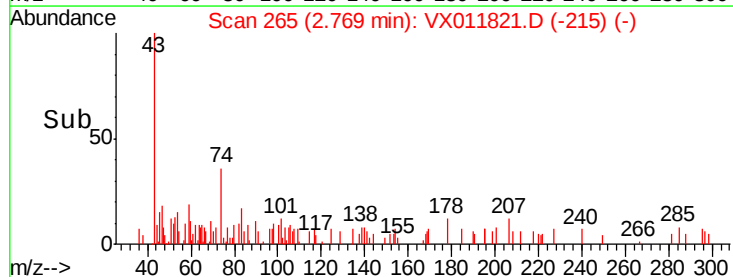
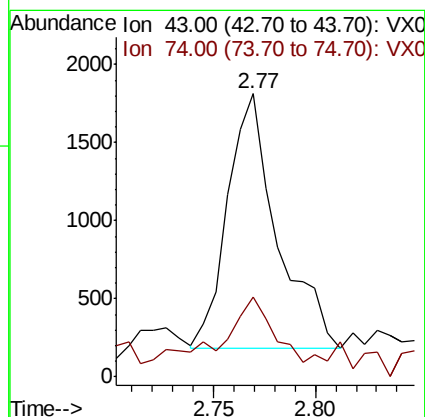
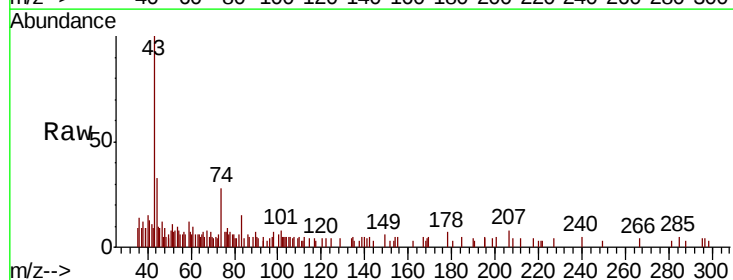
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F1-(0)

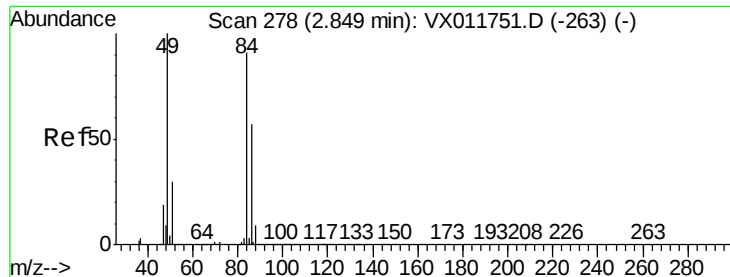
Tgt Ion: 43 Resp: 11686
Ion Ratio Lower Upper
43 100
58 29.1 24.4 36.6



#18
Methyl Acetate
Concen: 0.481 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
74 24.5 19.5 29.3

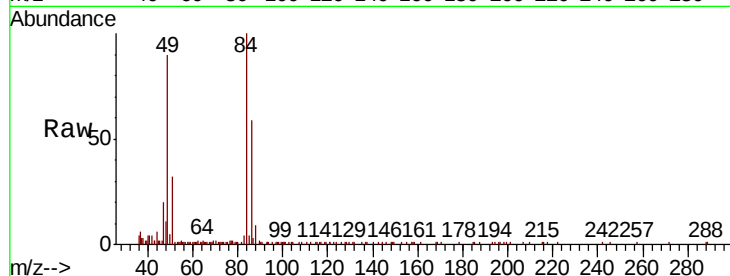




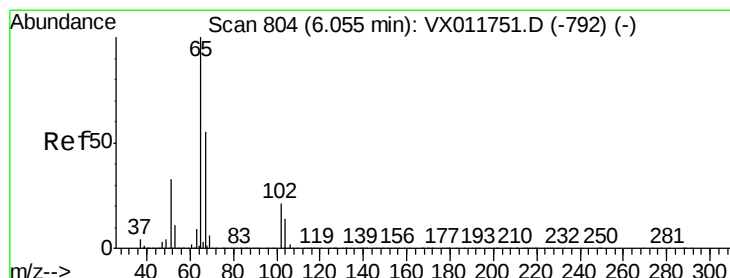
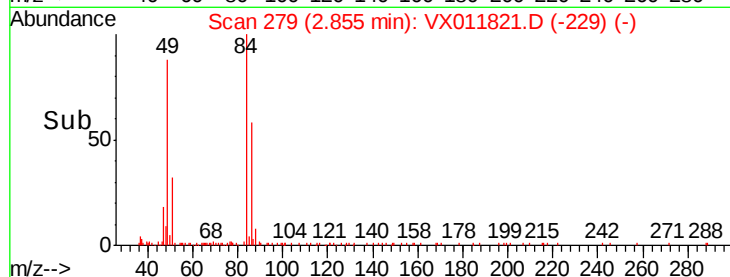
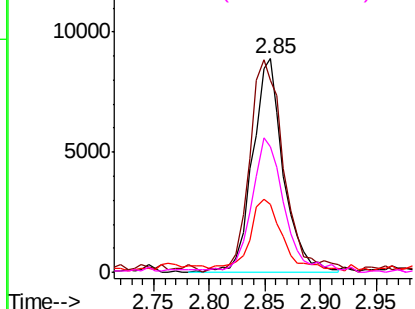
#20
Methylene Chloride
Concen: 3.985 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

Instrument :
MSVOA_X
ClientSampled :
T1-2-F1-(0)

Tgt Ion:	84	Resp:	17187
Ion	Ratio	Lower	Upper
84	100		
49	86.0	88.3	132.5#
51	30.1	26.2	39.2
86	57.9	50.6	76.0

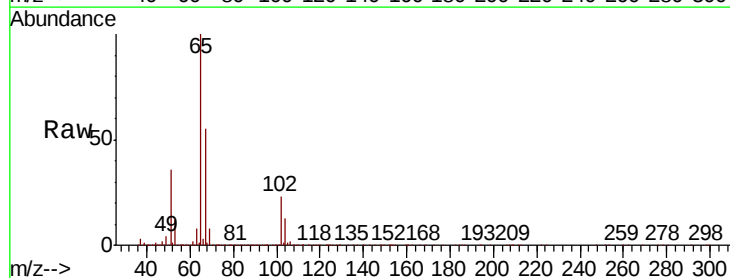


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

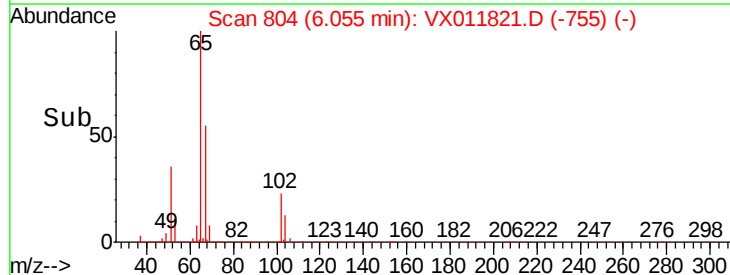
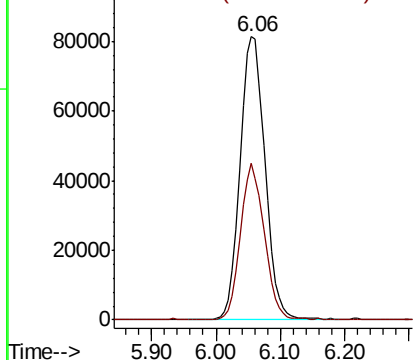


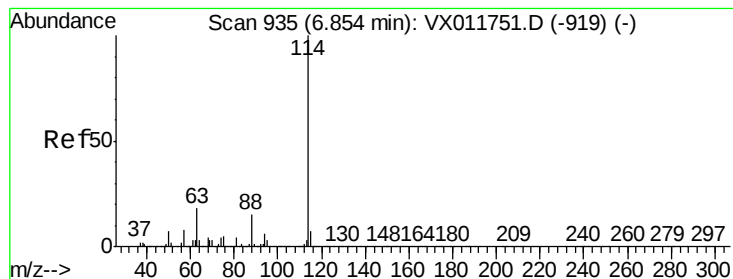
#33
1,2-Dichloroethane-d4
Concen: 44.827 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

Tgt Ion:	65	Resp:	217402
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

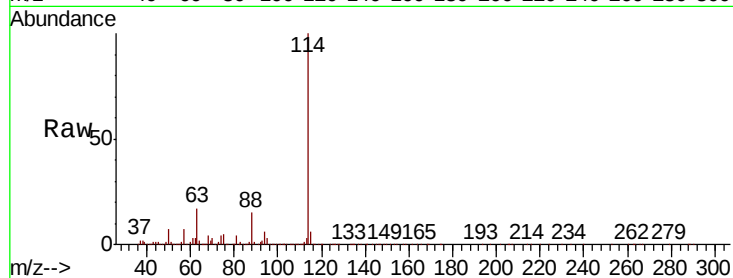
Instrument :

MSVOA_X

ClientSampleId :

T1-2-F1-(0)

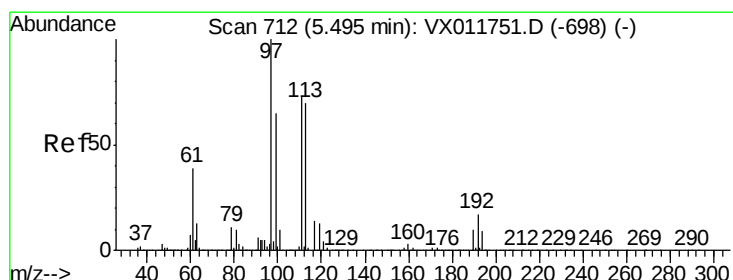
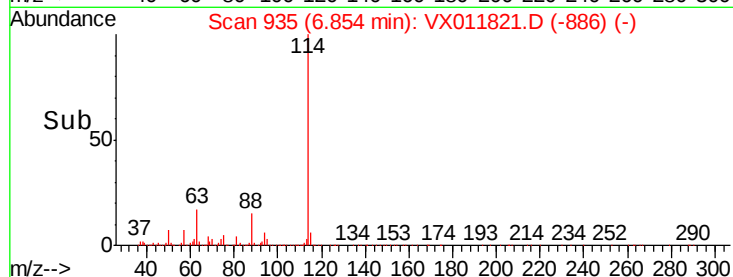
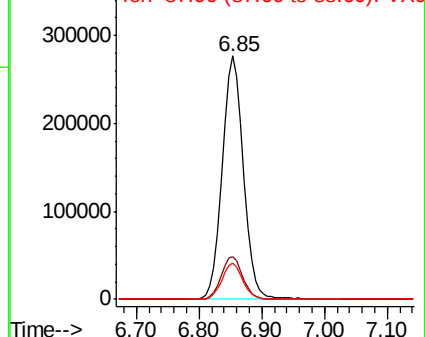
Tgt Ion:	114	Resp:	648817
Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	36.8
88	15.0	0.0	30.2



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: 45.735 ug/l

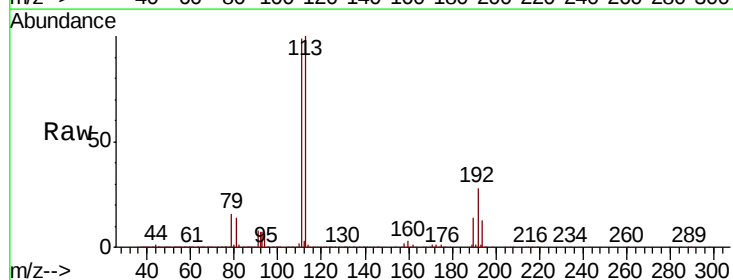
RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

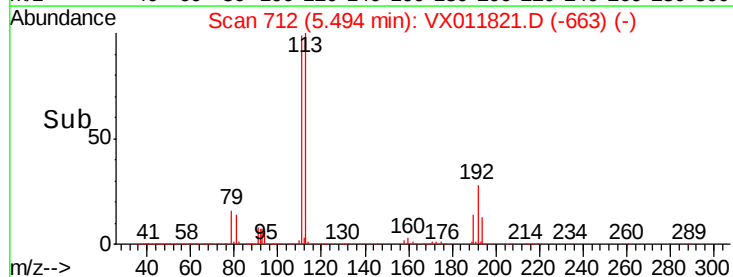
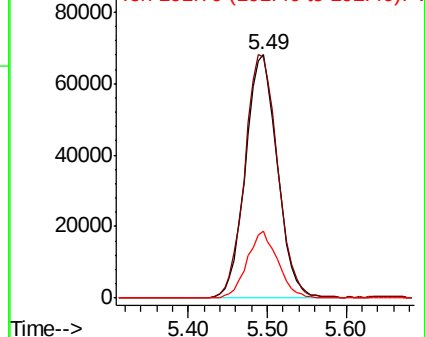
Tgt Ion:	113	Resp:	191883
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.0	121.4
192	26.6	19.9	29.9

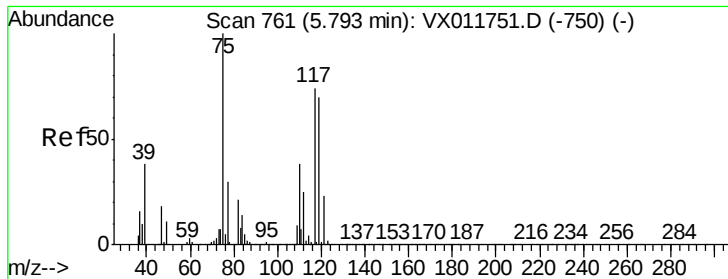


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.133 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F1-(0)

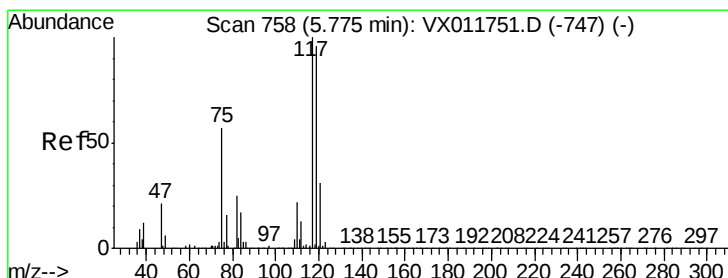
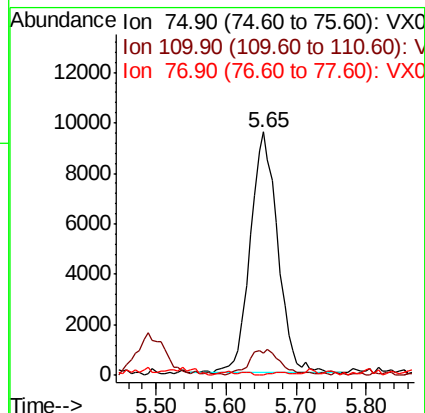
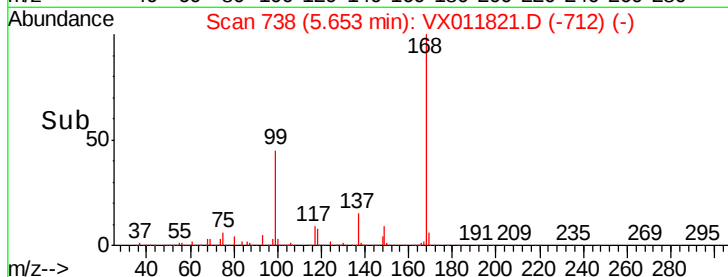
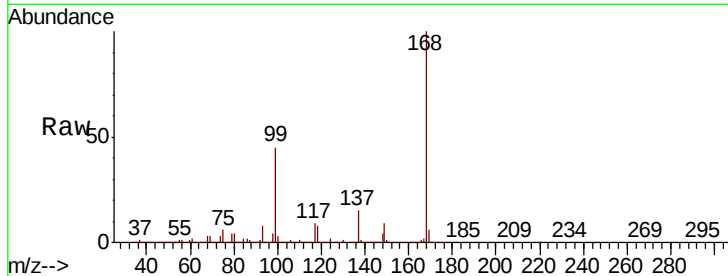
Tgt Ion: 75 Resp: 26117

Ion Ratio Lower Upper

75 100

110 12.0 19.0 57.0#

77 1.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.993 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

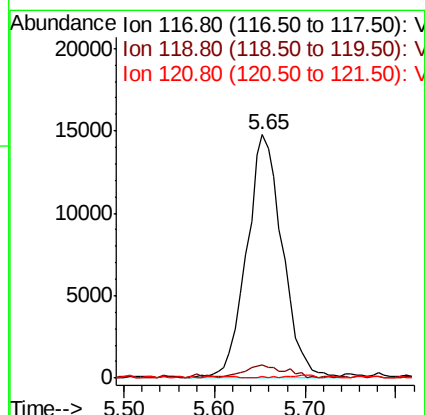
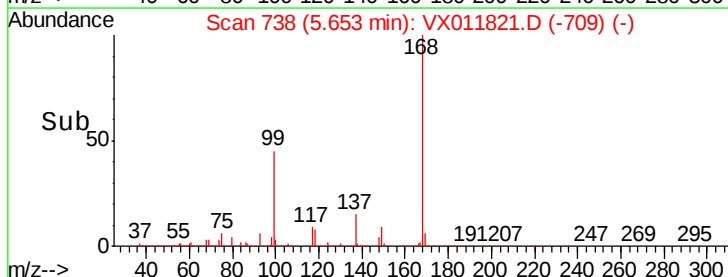
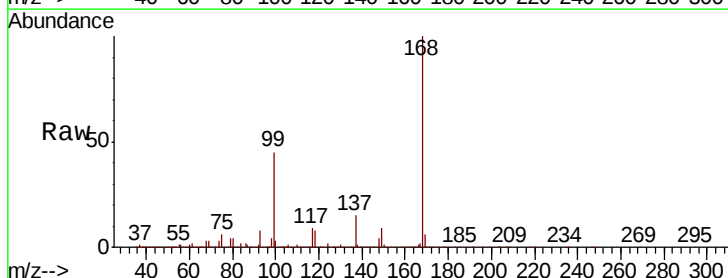
Tgt Ion: 117 Resp: 40321

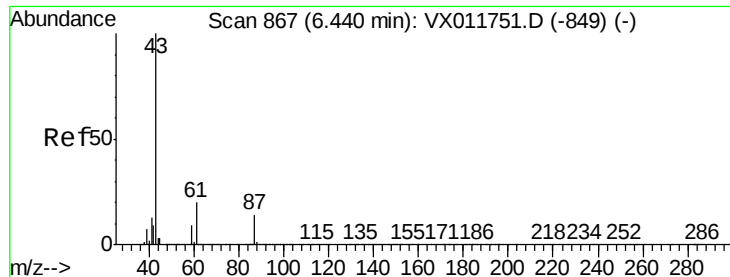
Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

121 1.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 8.058 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F1-(0)

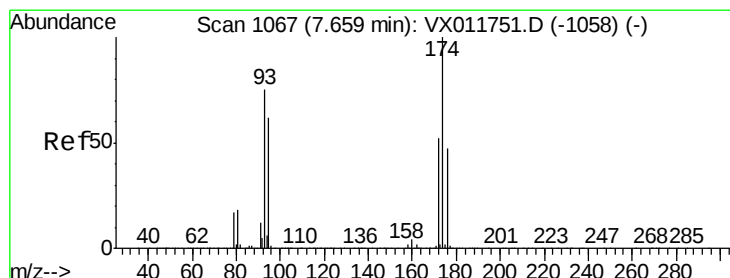
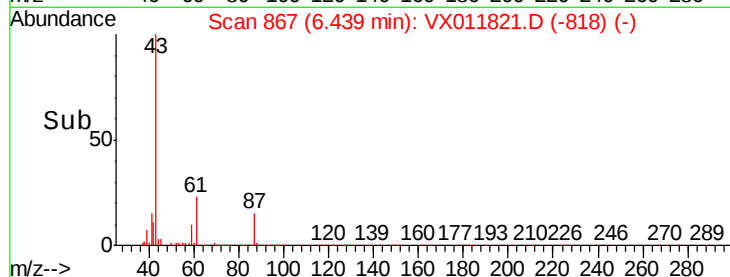
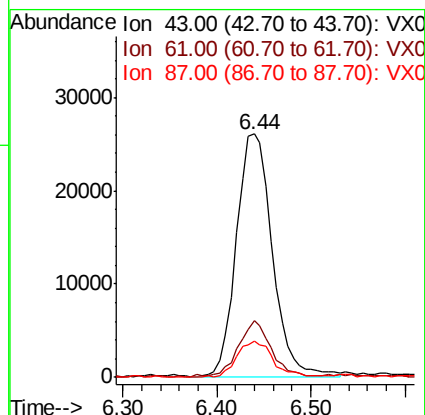
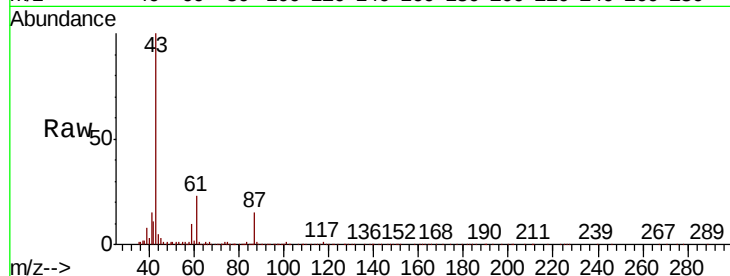
Tgt Ion: 43 Resp: 70218

Ion Ratio Lower Upper

43 100

61 19.8 16.2 24.2

87 14.9 11.6 17.4



#46

Dibromomethane

Concen: 0.214 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

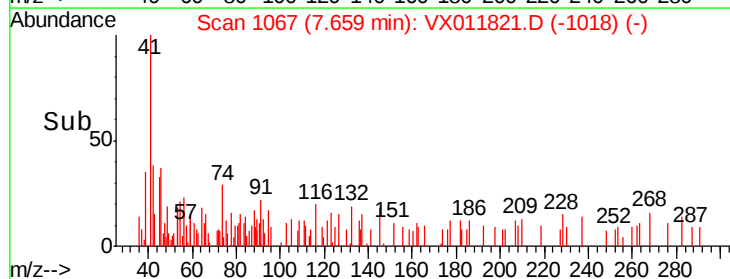
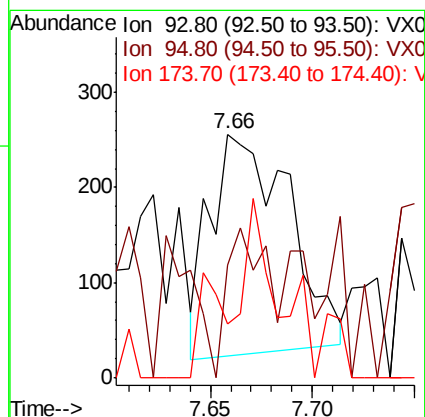
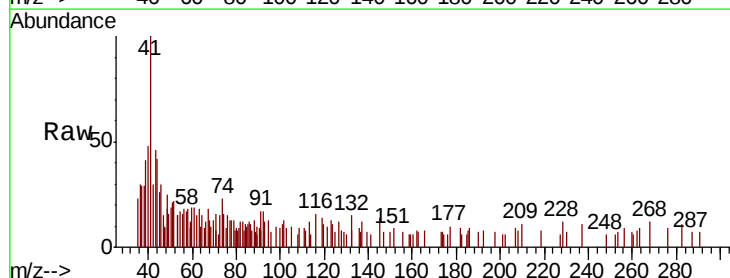
Tgt Ion: 93 Resp: 623

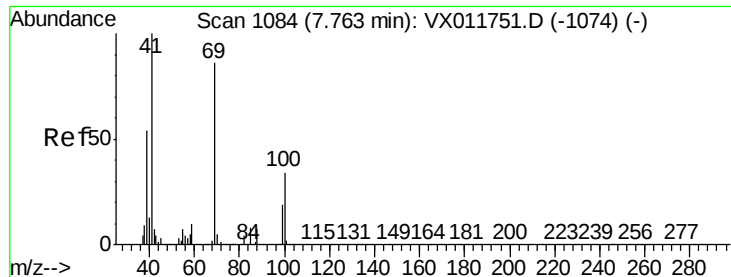
Ion Ratio Lower Upper

93 100

95 34.3 66.2 99.2#

174 35.5 104.2 156.4#

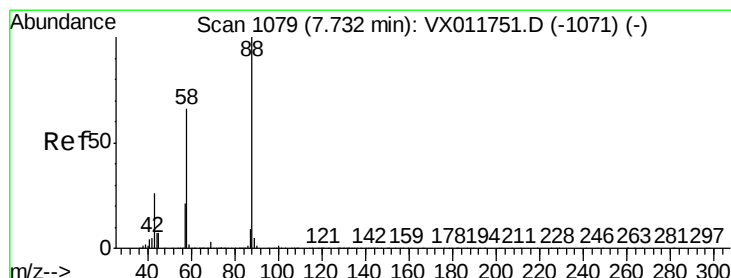
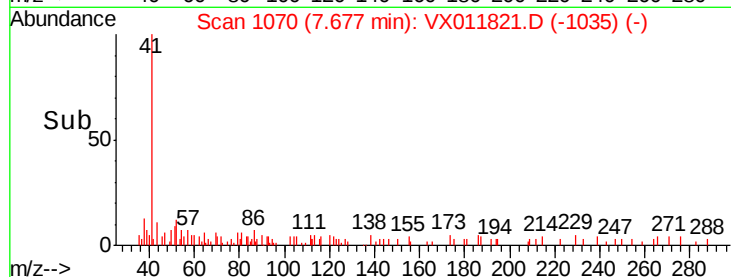
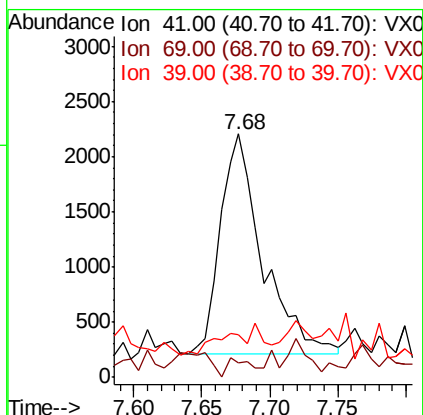
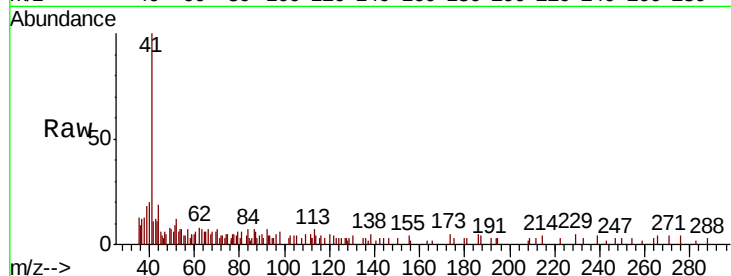




#48
Methyl methacrylate
Concen: 1.002 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

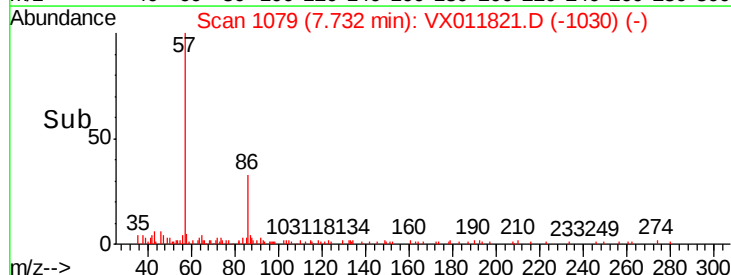
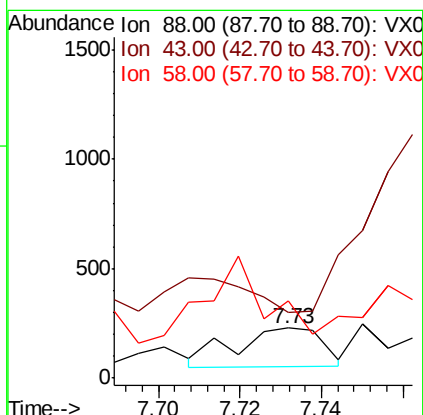
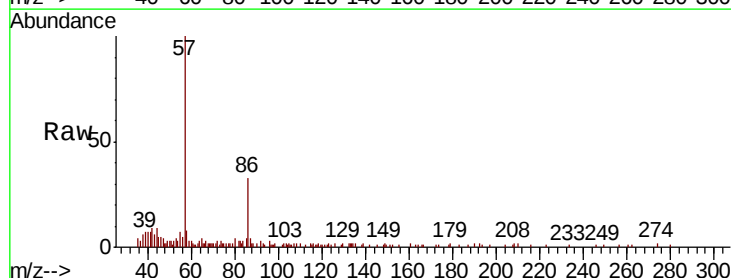
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F1-(0)

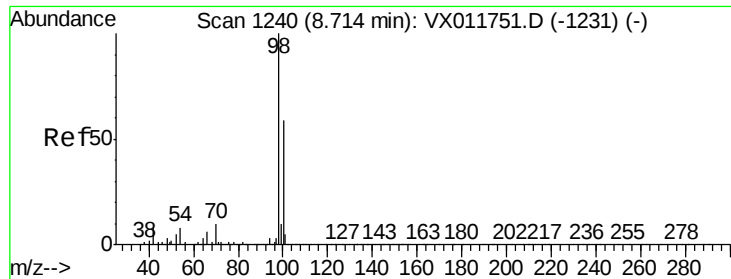
Tgt Ion: 41 Resp: 4345
Ion Ratio Lower Upper
41 100
69 5.2 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 2.164 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

Tgt Ion: 88 Resp: 260
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 208.8 51.4 77.2#





#50

Toluene-d8

Concen: 51.119 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

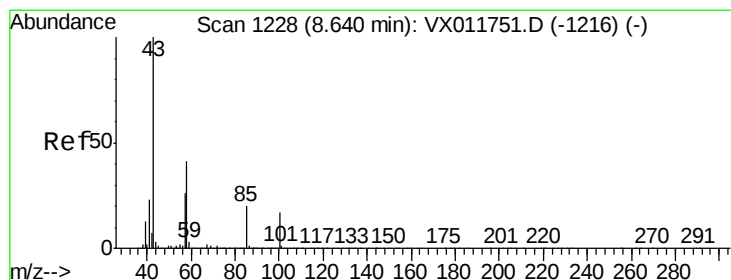
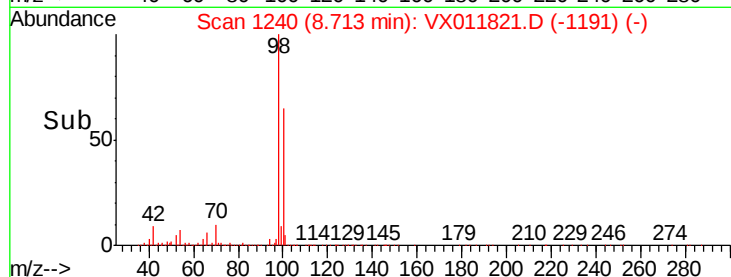
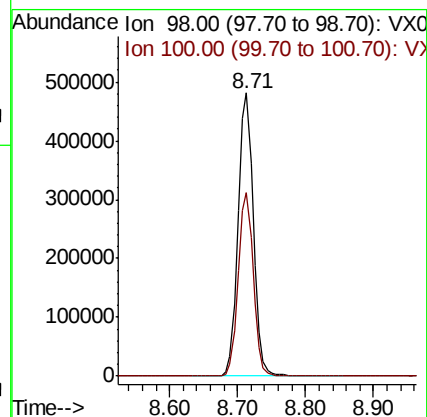
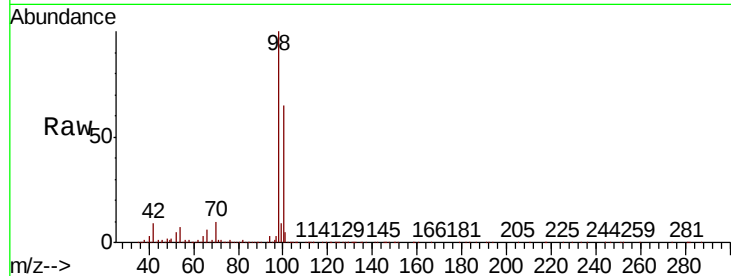
T1-2-F1-(0)

Tgt Ion: 98 Resp: 748073

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 11.190 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011821.D

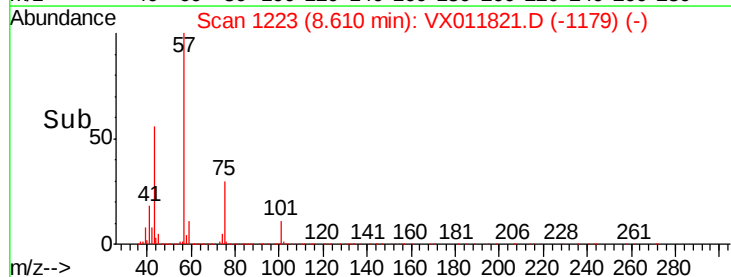
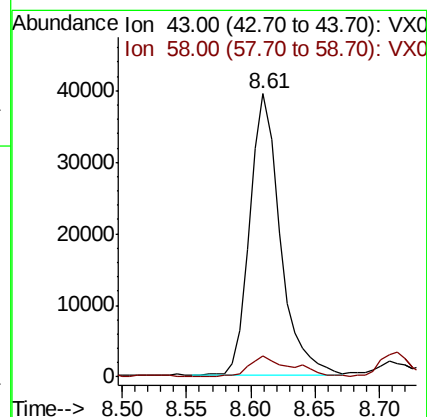
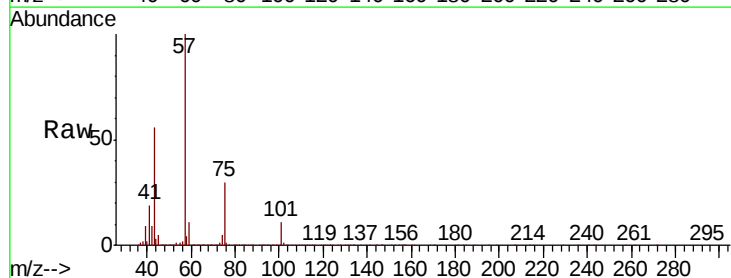
Acq: 24 Aug 2019 16:15

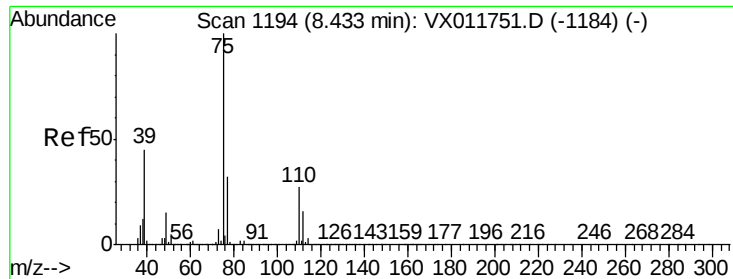
Tgt Ion: 43 Resp: 64257

Ion Ratio Lower Upper

43 100

58 9.9 31.8 47.6#



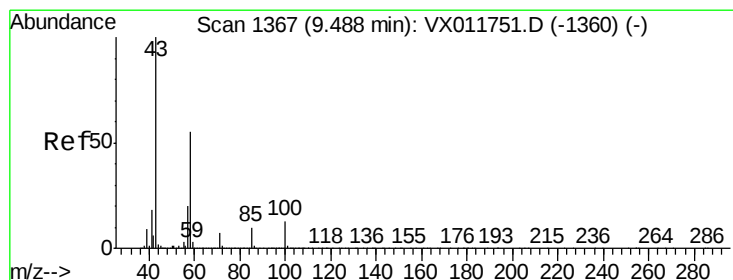
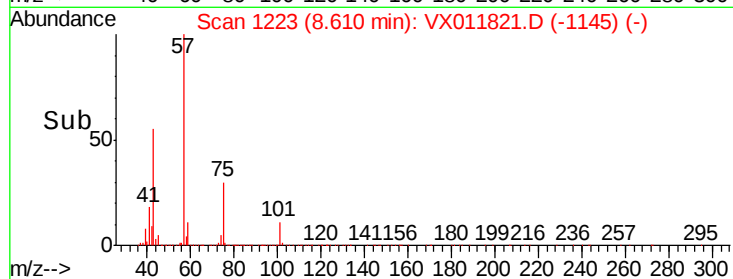
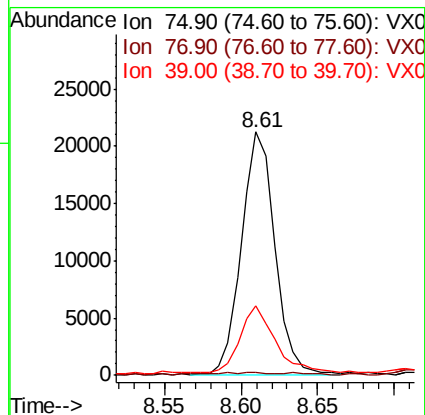
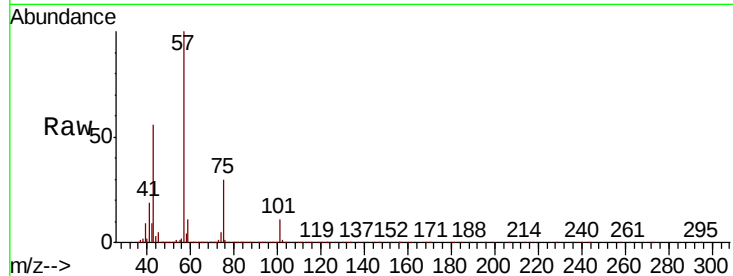


#54

cis-1,3-Dichloropropene
 Concen: 5.319 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011821.D
 Acq: 24 Aug 2019 16:15

Instrument :
 MSVOA_X
 ClientSampled :
 T1-2-F1-(0)

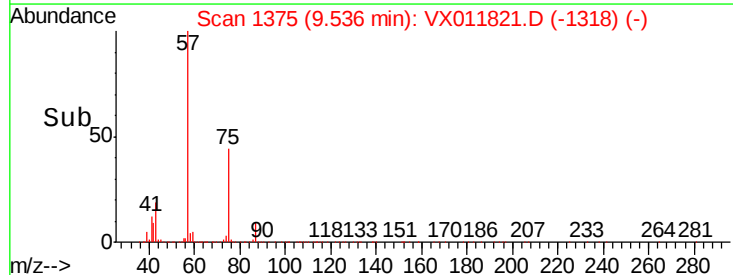
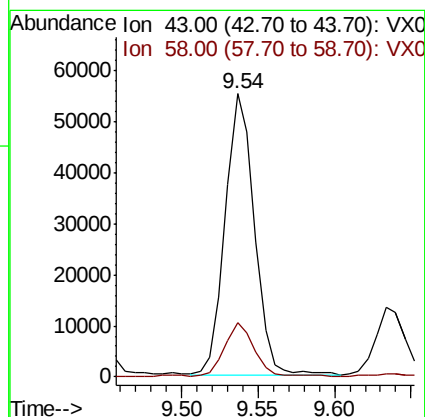
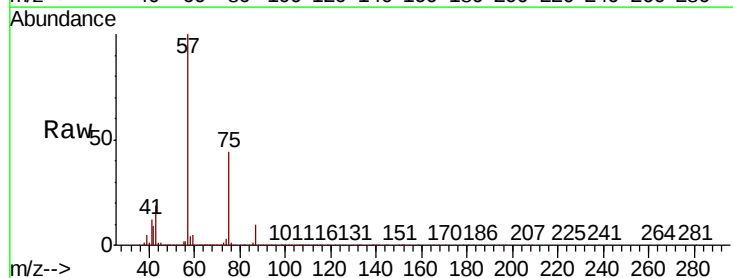
Tgt Ion: 75 Resp: 31983
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.4 38.2#
 39 27.8 36.2 54.4#

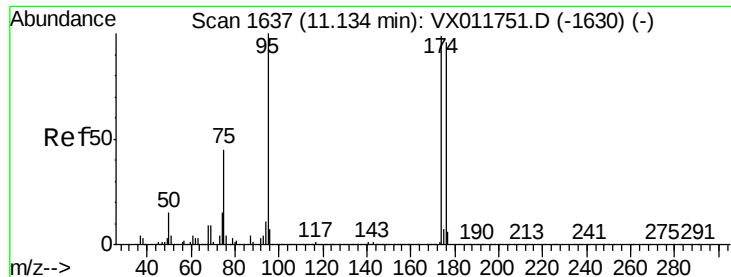


#59

2-Hexanone
 Concen: 16.689 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011821.D
 Acq: 24 Aug 2019 16:15

Tgt Ion: 43 Resp: 73555
 Ion Ratio Lower Upper
 43 100
 58 18.4 27.7 83.1#

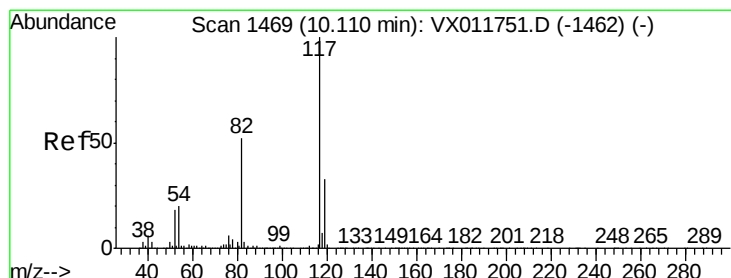
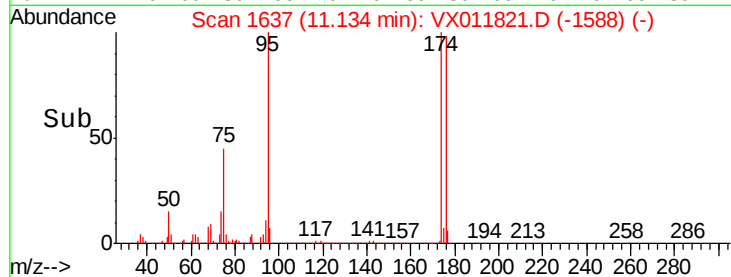
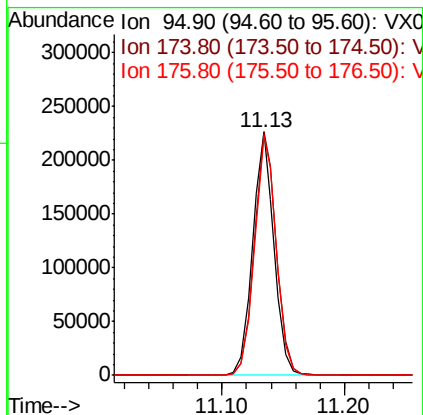
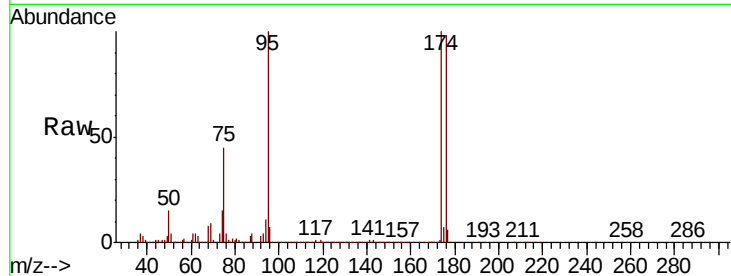




#62
4-Bromofluorobenzene
Concen: 47.538 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

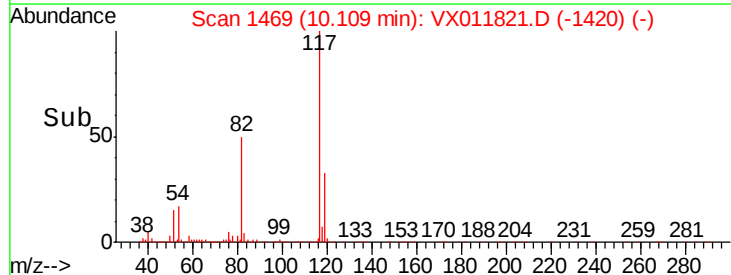
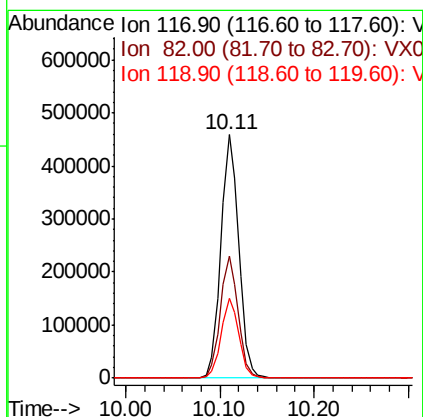
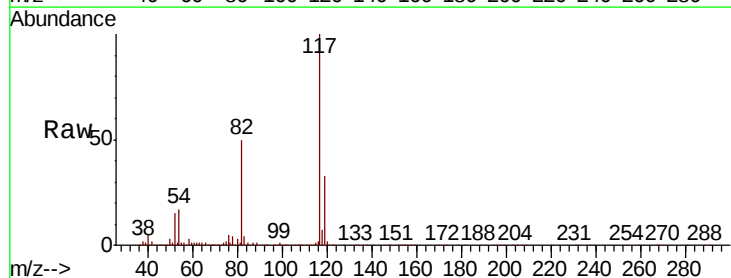
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F1-(0)

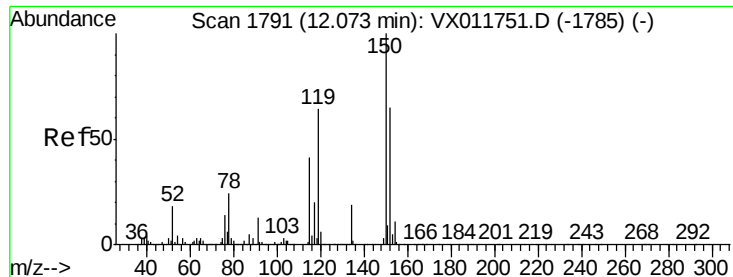
Tgt Ion: 95 Resp: 274973
Ion Ratio Lower Upper
95 100
174 103.0 0.0 197.4
176 100.7 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011821.D
Acq: 24 Aug 2019 16:15

Tgt Ion: 117 Resp: 604318
Ion Ratio Lower Upper
117 100
82 50.0 41.7 62.5
119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F1-(0)

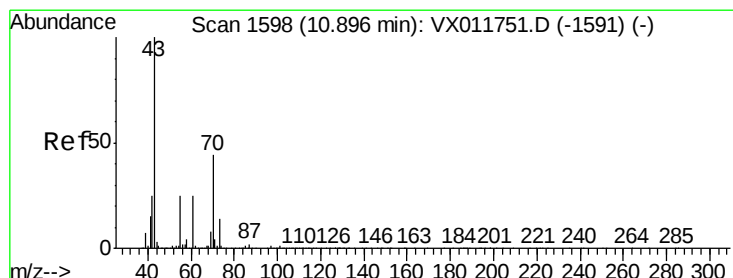
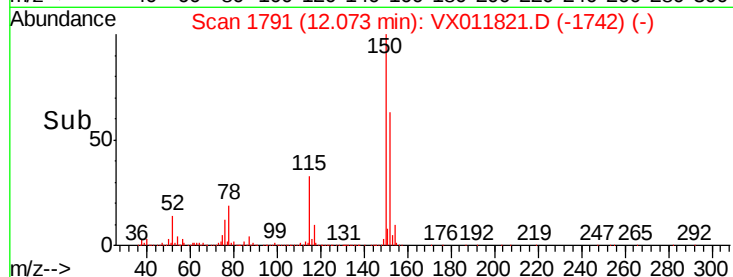
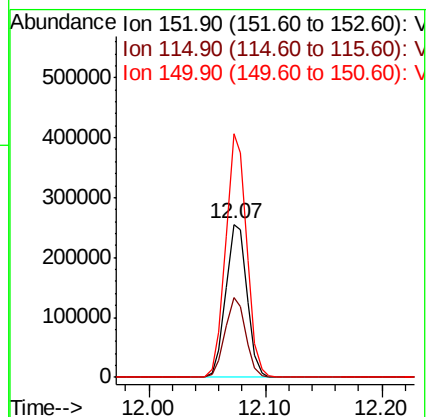
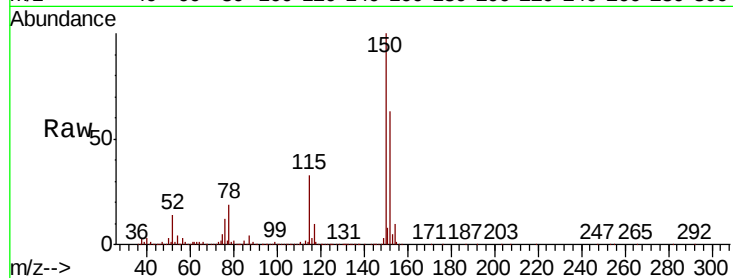
Tgt Ion:152 Resp: 322050

Ion Ratio Lower Upper

152 100

115 51.0 37.3 111.8

150 156.6 0.0 343.0



#74

N-ethyl acetate

Concen: 0.375 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011821.D

Acq: 24 Aug 2019 16:15

Tgt Ion: 43 Resp: 2815

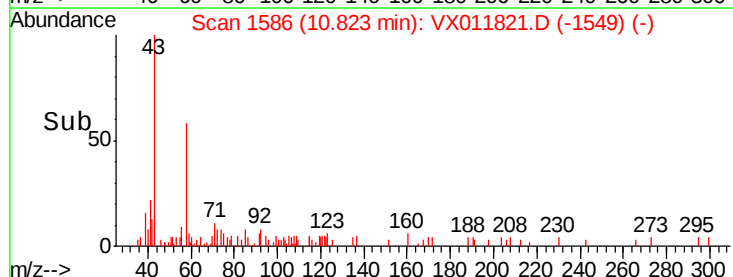
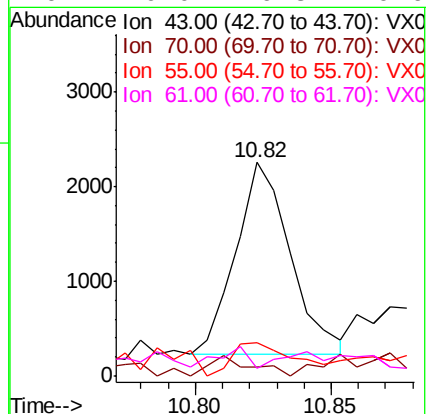
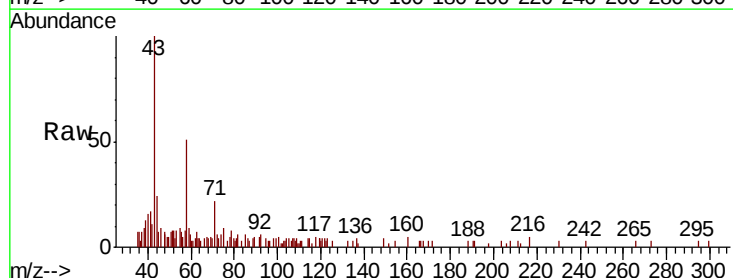
Ion Ratio Lower Upper

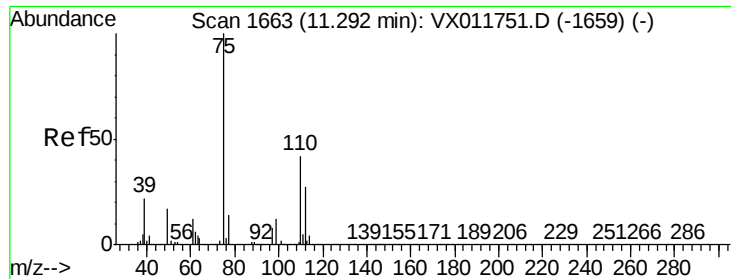
43 100

70 8.0 34.8 52.2#

55 20.0 19.5 29.3

61 0.0 19.8 29.6#

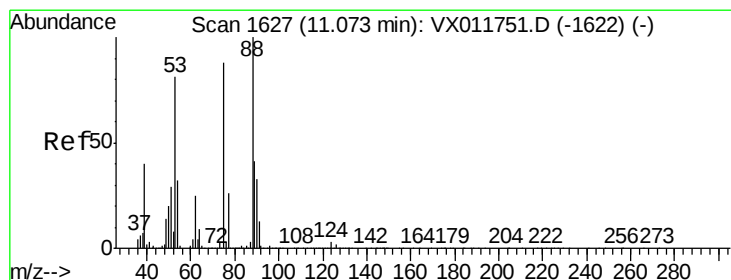
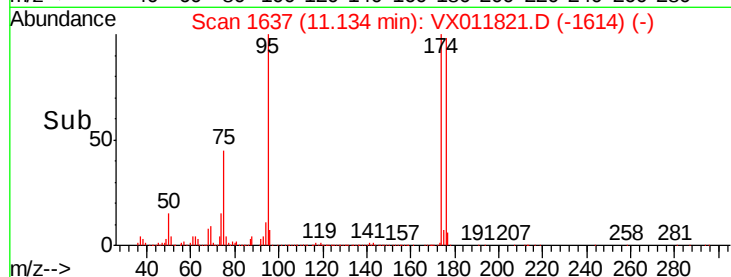
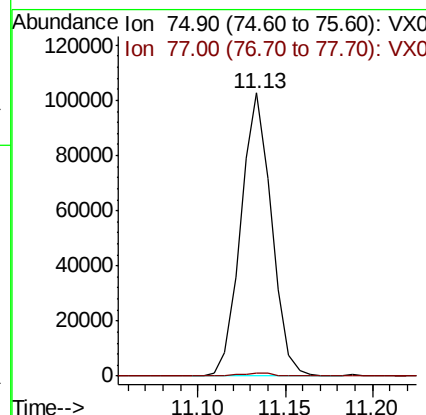
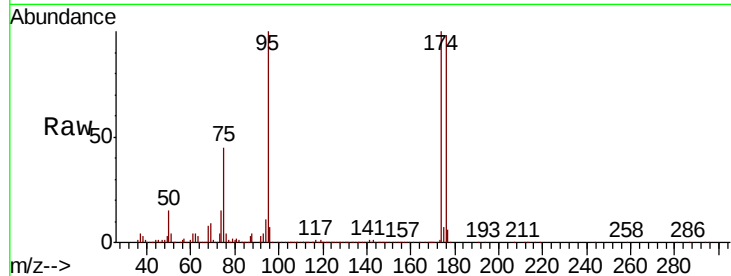




#76
 1,2,3-Trichloropropane
 Concen: 22.097 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011821.D
 Acq: 24 Aug 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F1-(0)

Tgt Ion: 75 Resp: 124869
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.1 63.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.640 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011821.D
 Acq: 24 Aug 2019 16:15

Tgt Ion: 75 Resp: 124869
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.1 38.5 57.7#

