

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011822.D
 Acq On : 24 Aug 2019 16:39
 Operator : JC/SP
 Sample : K4474-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F1-(2.5)

Quant Time: Aug 26 04:10:19 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	470518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	636412	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	598926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	325044	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	212524	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
35) Dibromofluoromethane	5.49	113	189586	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
50) Toluene-d8	8.71	98	728929	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.13	95	274166	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

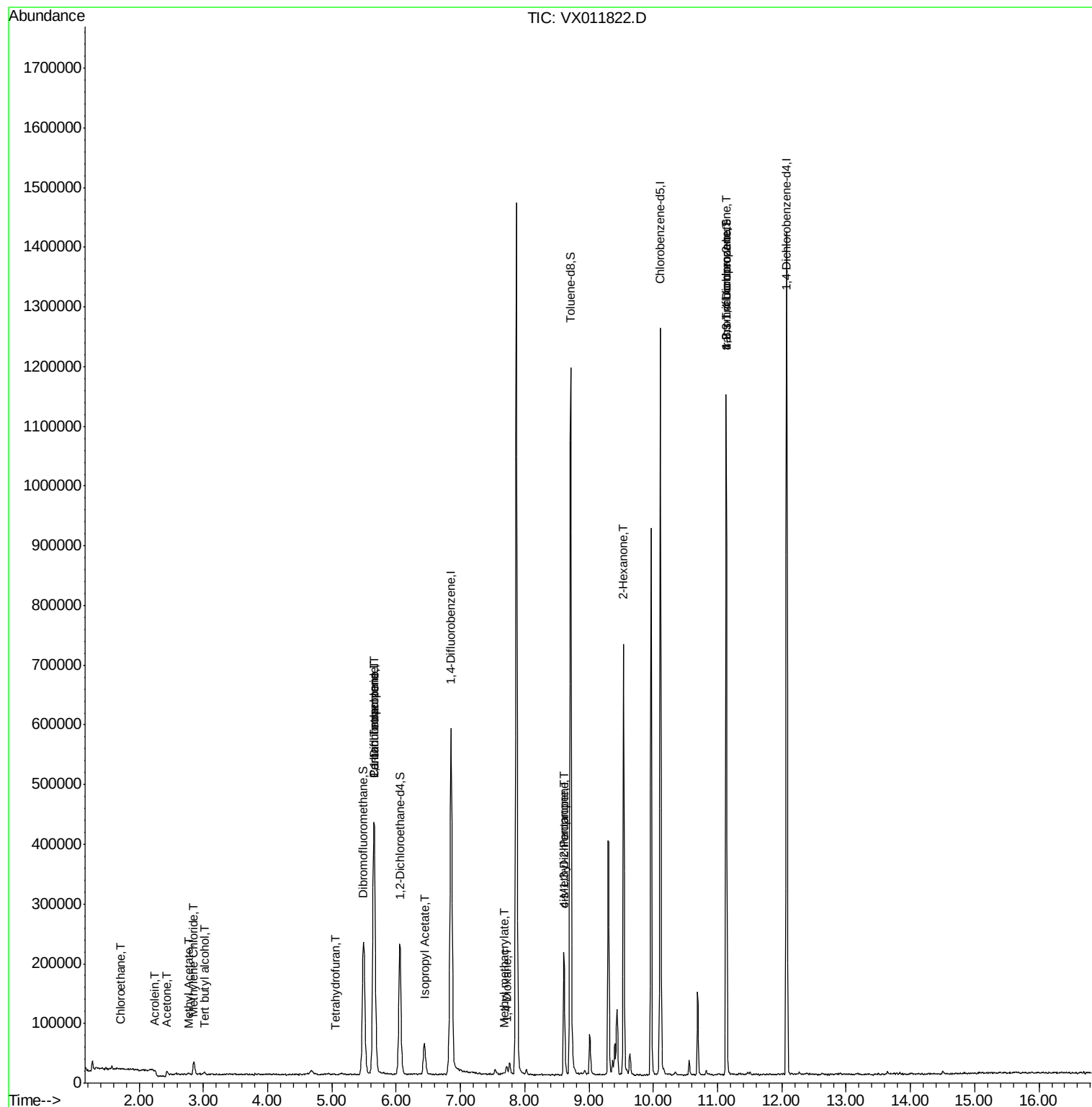
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	792	0.352	ug/l #	51
11) Tert butyl alcohol	3.02	59	2953	3.162	ug/l #	91
13) Acrolein	2.24	56	117	0.324	ug/l #	1
16) Acetone	2.43	43	11435	5.561	ug/l #	87
18) Methyl Acetate	2.77	43	3595	0.644	ug/l #	66
20) Methylene Chloride	2.85	84	12087	2.875	ug/l	98
29) Tetrahydrofuran	5.06	42	446	0.236	ug/l	93
36) 1,1-Dichloropropene	5.66	75	25318	5.073	ug/l #	52
38) Carbon Tetrachloride	5.66	117	38024	6.723	ug/l #	15
43) Isopropyl Acetate	6.43	43	71474	8.362	ug/l	97
48) Methyl methacrylate	7.68	41	4198	0.987	ug/l #	17
49) 1,4-Dioxane	7.73	88	266	2.257	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	69490	12.337	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	34399	5.832	ug/l #	57
59) 2-Hexanone	9.54	43	81208	18.785	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	123968	21.735	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	123968	65.550	ug/l #	11

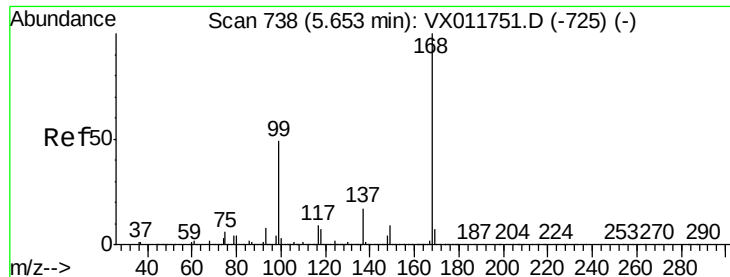
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
T1-2-F1-(2.5)

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011822.D

Acq: 24 Aug 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

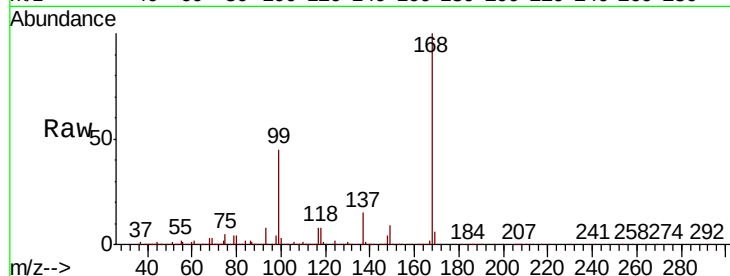
T1-2-F1-(2.5)

Tgt Ion:168 Resp: 470518

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

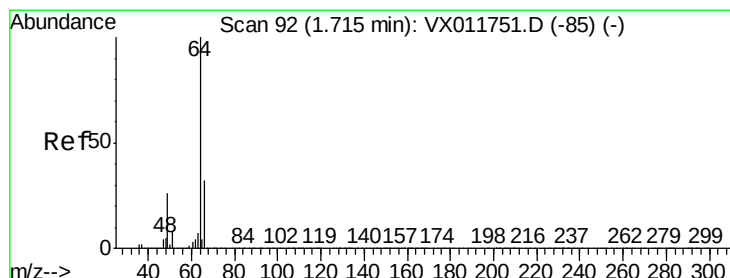
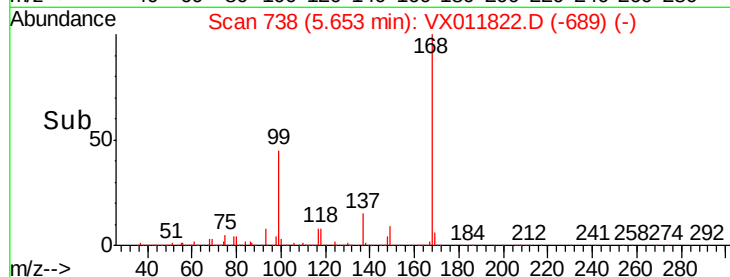
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.352 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011822.D

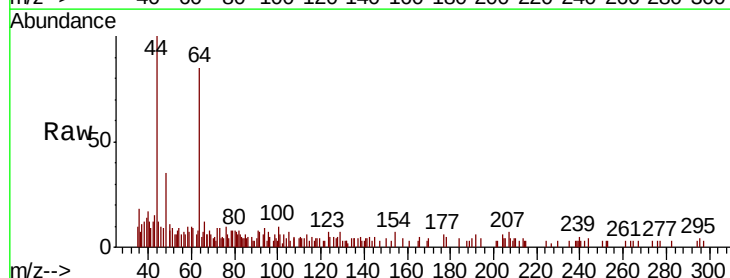
Acq: 24 Aug 2019 16:39

Tgt Ion: 64 Resp: 792

Ion Ratio Lower Upper

64 100

66 4.4 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

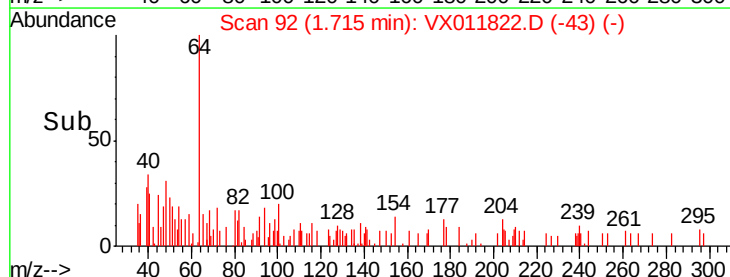
1000

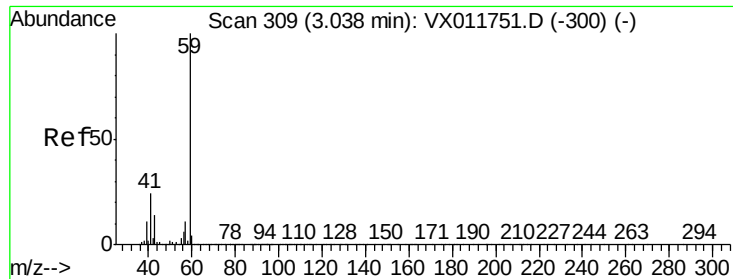
500

0

Time-->

1.70 1.72 1.74

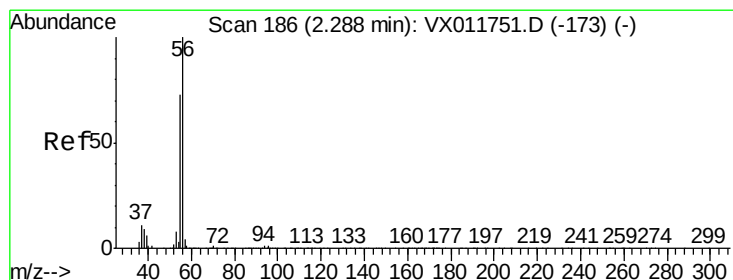
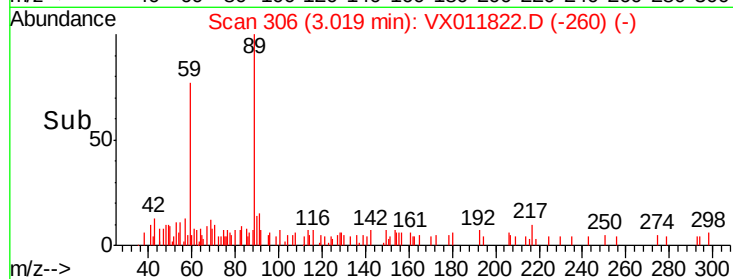
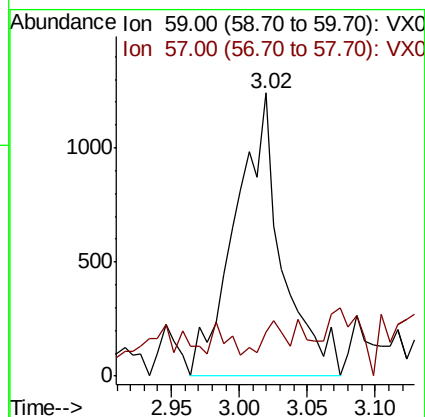
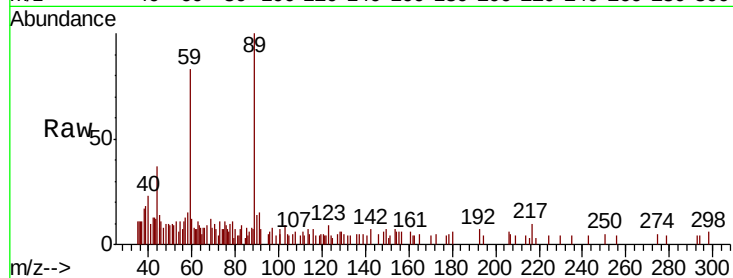




#11
Tert butyl alcohol
Concen: 3.162 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

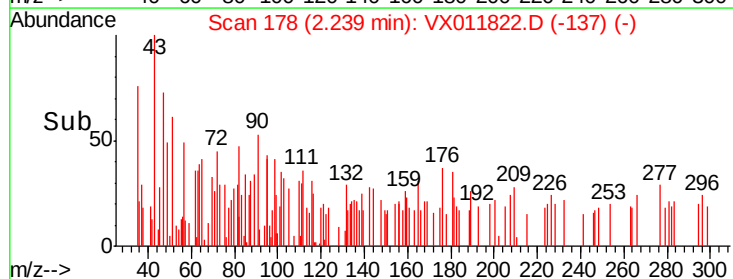
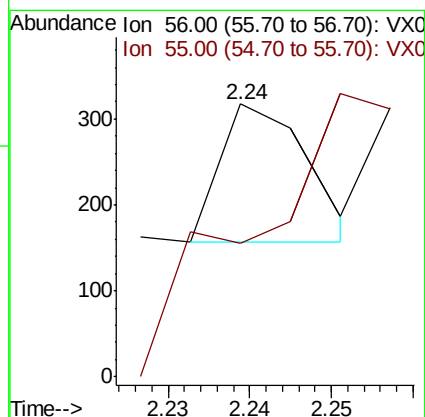
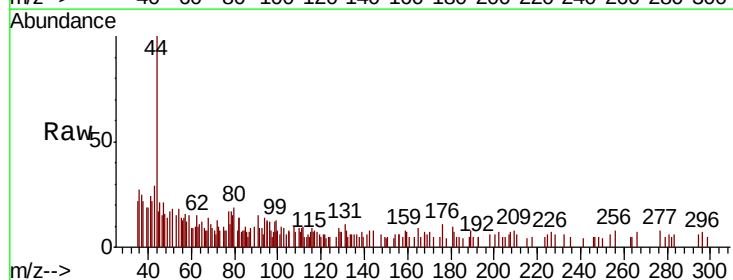
Instrument :
MSVOA_X
ClientSampled :
T1-2-F1-(2.5)

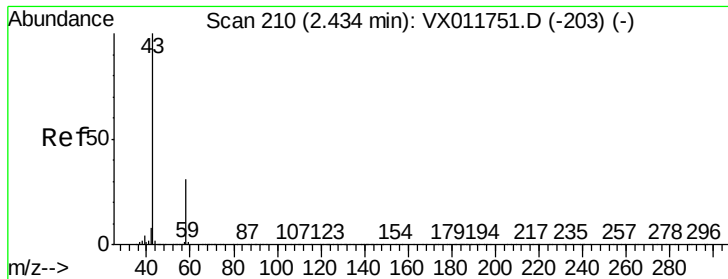
Tgt Ion: 59 Resp: 2953
Ion Ratio Lower Upper
59 100
57 7.3 8.4 12.6#



#13
Acrolein
Concen: 0.324 ug/l
RT: 2.24 min Scan# 178
Delta R.T. -0.05 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 436.8 54.8 82.2#





#16

Acetone

Concen: 5.561 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011822.D

Acq: 24 Aug 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

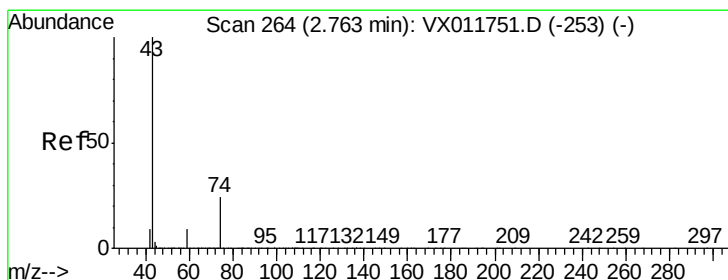
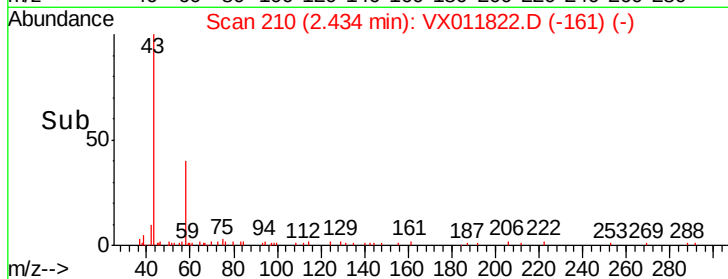
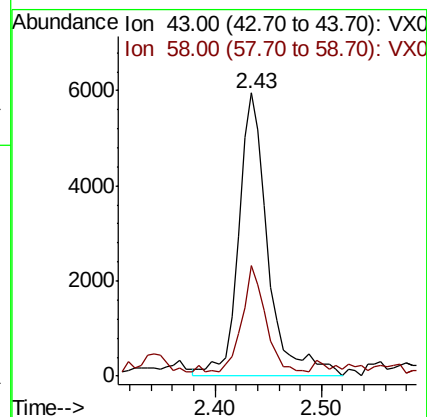
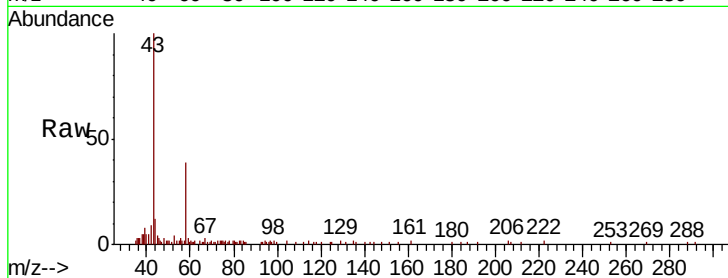
T1-2-F1-(2.5)

Tgt Ion: 43 Resp: 11435

Ion Ratio Lower Upper

43 100

58 37.7 24.4 36.6#



#18

Methyl Acetate

Concen: 0.644 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011822.D

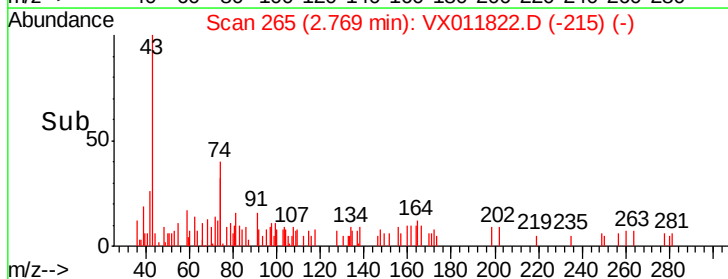
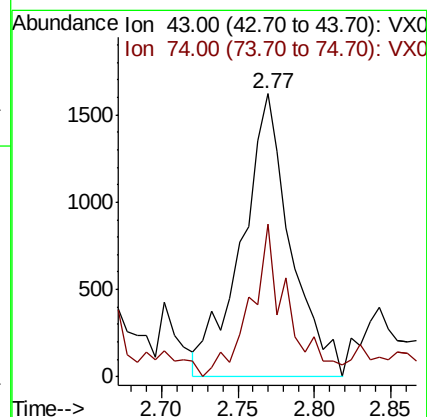
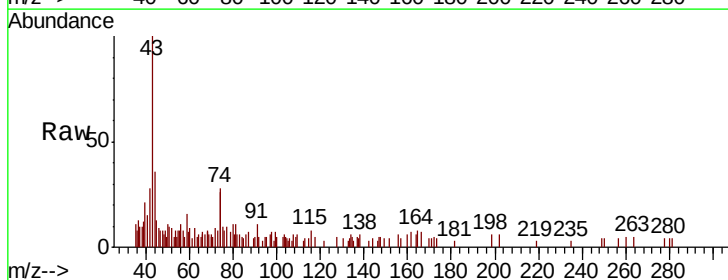
Acq: 24 Aug 2019 16:39

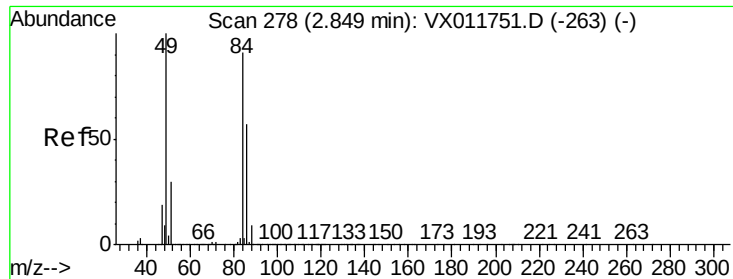
Tgt Ion: 43 Resp: 3595

Ion Ratio Lower Upper

43 100

74 41.1 19.5 29.3#

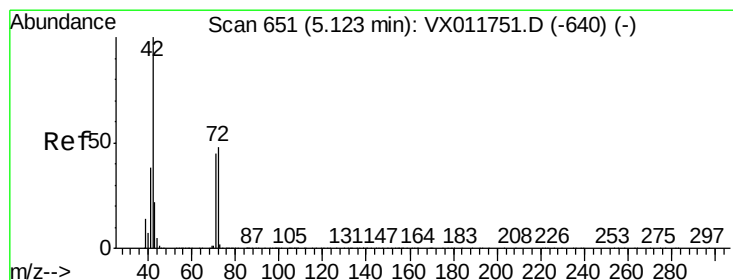
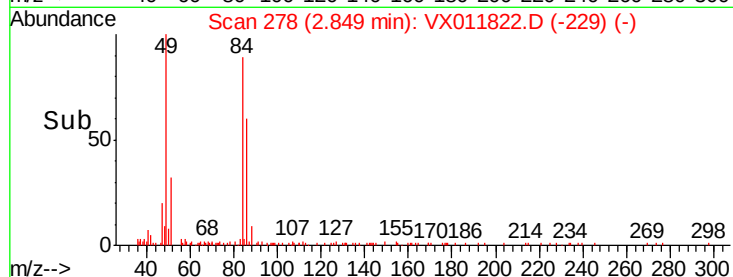
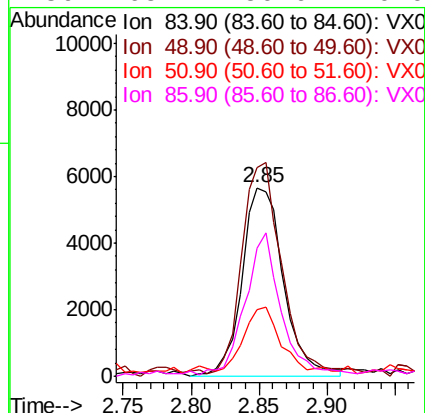
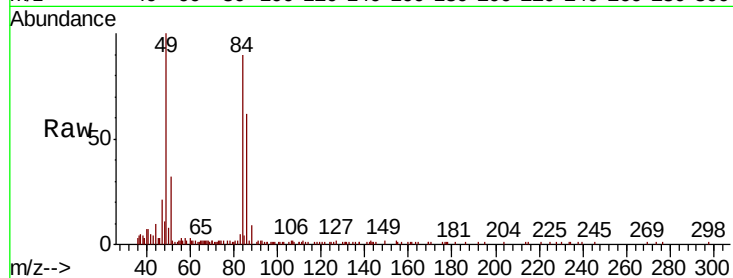




#20
Methylene Chloride
Concen: 2.875 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

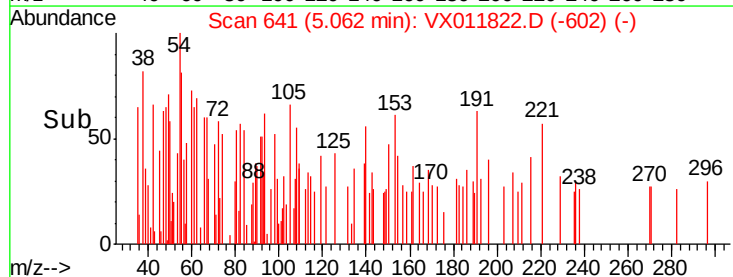
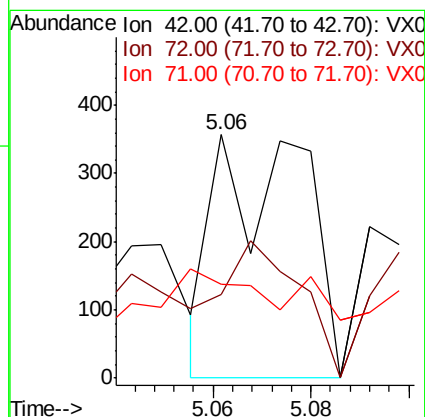
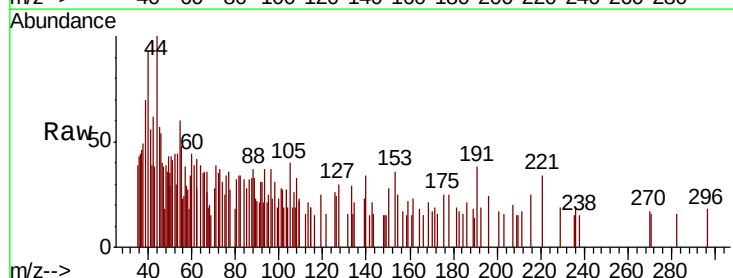
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F1-(2.5)

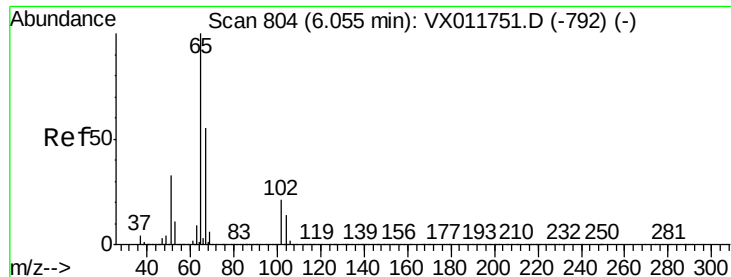
Tgt Ion:	84	Resp:	12087
Ion	Ratio	Lower	Upper
84	100		
49	108.1	88.3	132.5
51	32.4	26.2	39.2
86	65.7	50.6	76.0



#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.06 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

Tgt Ion:	42	Resp:	446
Ion	Ratio	Lower	Upper
42	100		
72	49.8	37.6	56.4
71	50.0	34.6	51.8

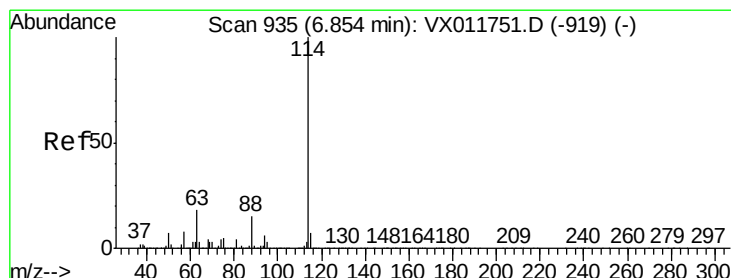
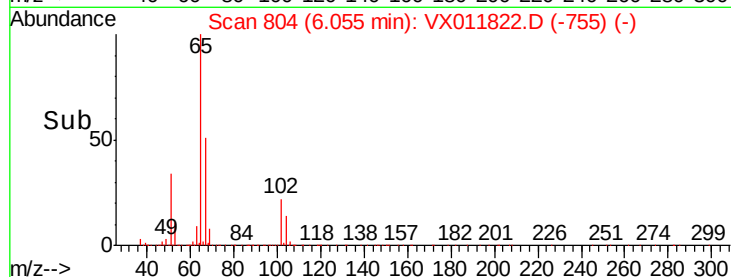
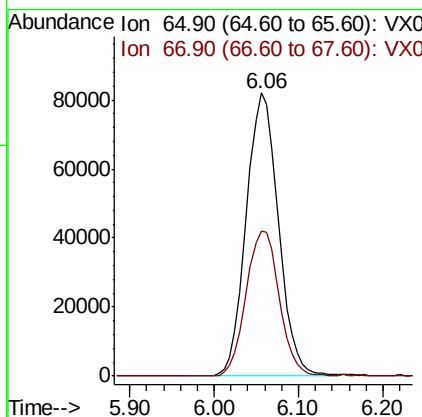
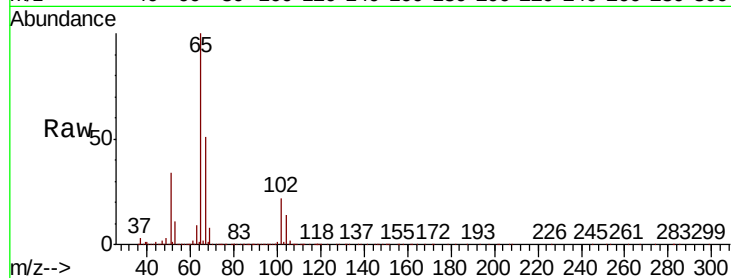




#33
 1,2-Dichloroethane-d4
 Concen: 44.963 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011822.D
 Acq: 24 Aug 2019 16:39

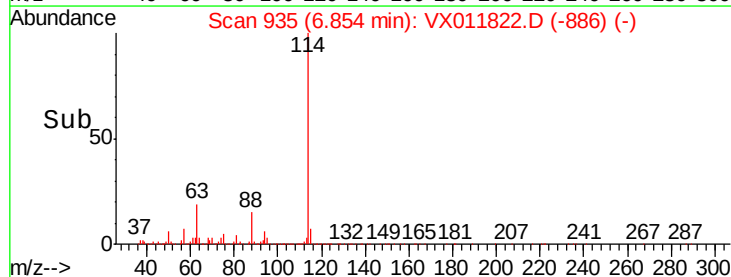
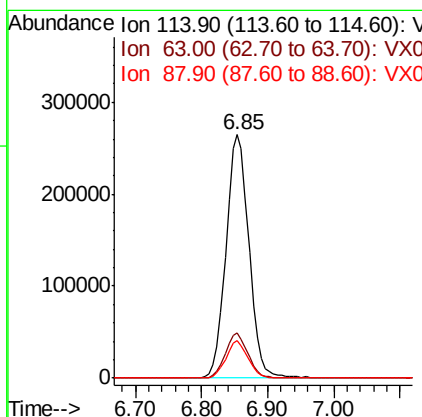
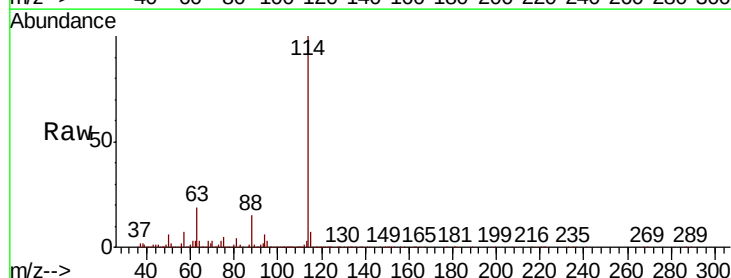
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 MSVOA_X
 ClientSampleId :
 T1-2-F1-(2.5)

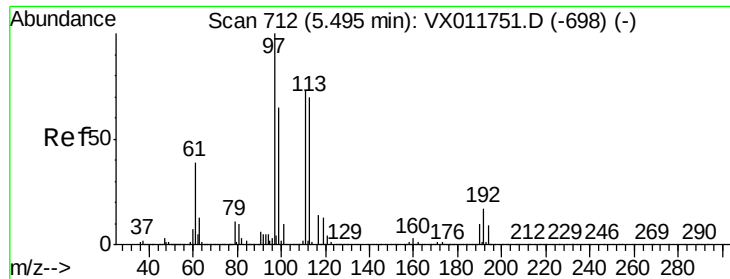
Tgt Ion: 65 Resp: 212524
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011822.D
 Acq: 24 Aug 2019 16:39

Tgt Ion: 114 Resp: 636412
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.8
 88 15.2 0.0 30.2

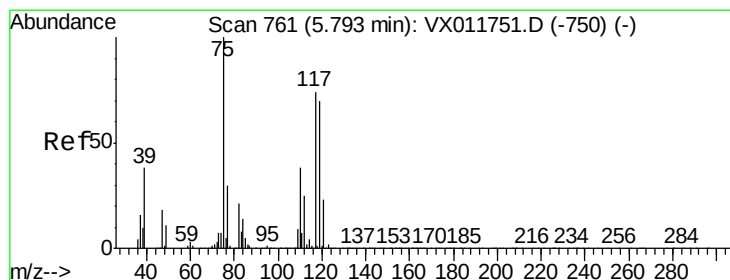
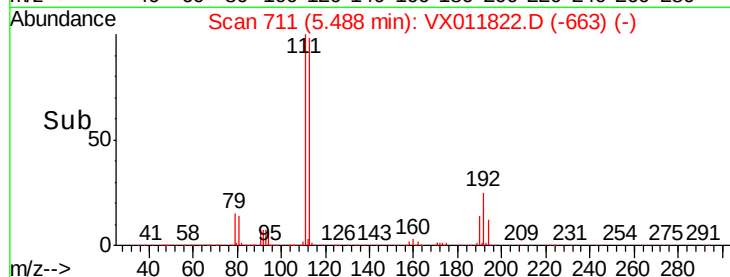
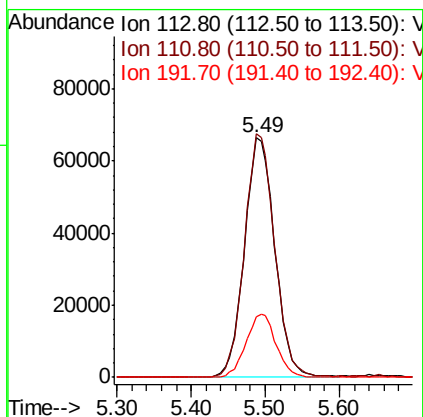
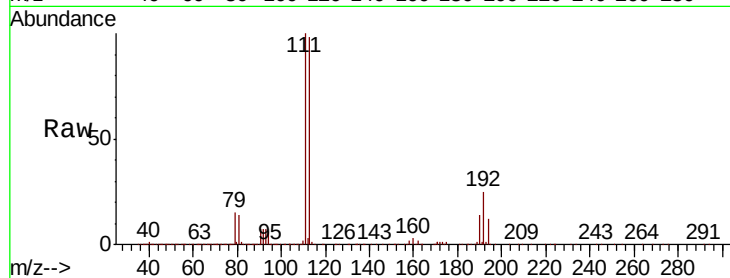




#35
 Dibromofluoromethane
 Concen: 46.069 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011822.D
 Acq: 24 Aug 2019 16:39

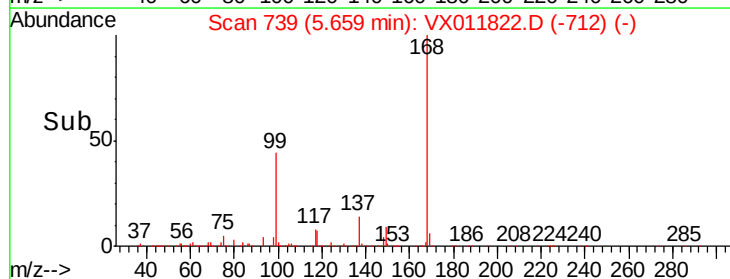
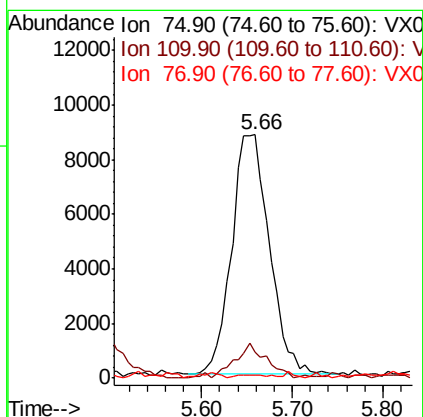
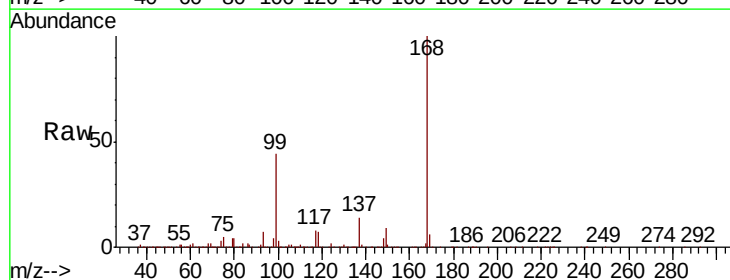
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F1-(2.5)

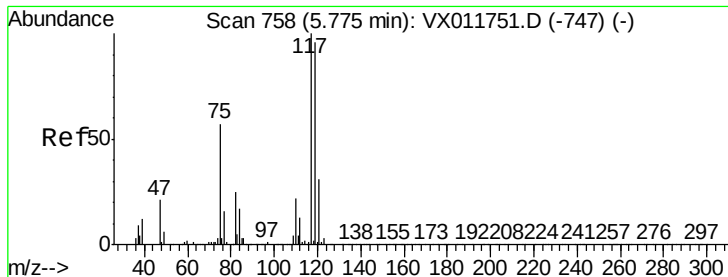
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	26.3	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011822.D
 Acq: 24 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.7	19.0	57.0#
77	1.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.723 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011822.D

Acq: 24 Aug 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F1-(2.5)

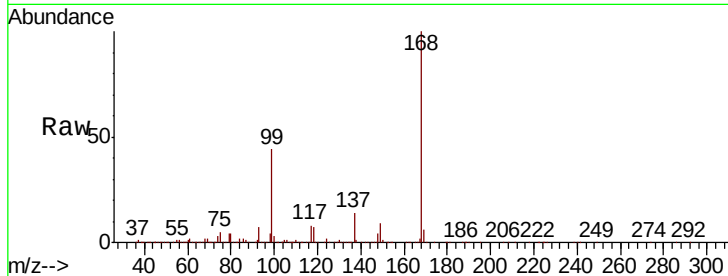
Tgt Ion:117 Resp: 38024

Ion Ratio Lower Upper

117 100

119 4.4 76.6 114.8#

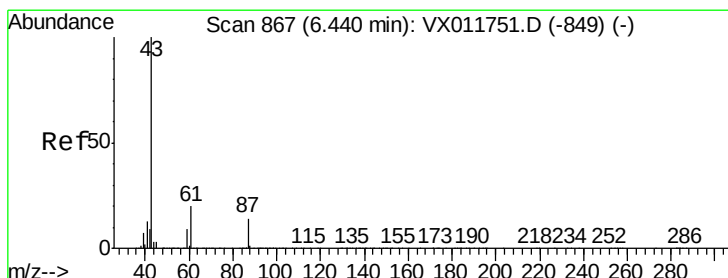
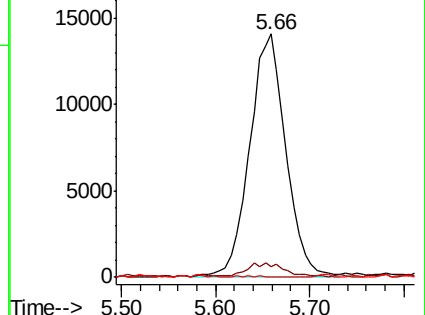
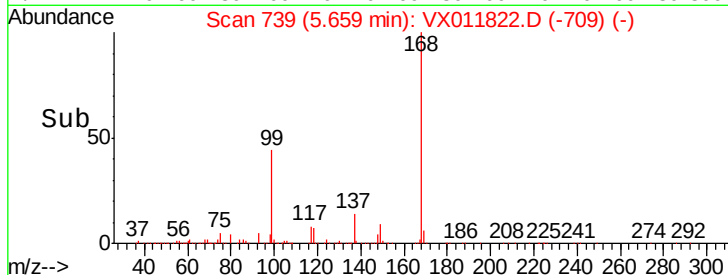
121 0.0 25.2 37.8#



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



#43

Isopropyl Acetate

Concen: 8.362 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011822.D

Acq: 24 Aug 2019 16:39

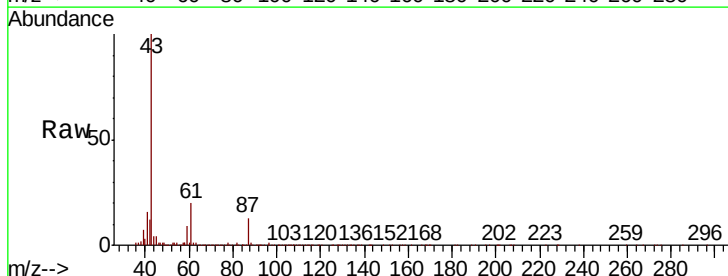
Tgt Ion: 43 Resp: 71474

Ion Ratio Lower Upper

43 100

61 22.4 16.2 24.2

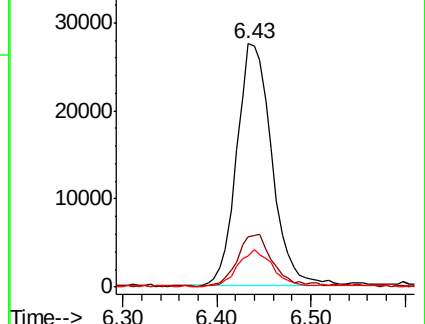
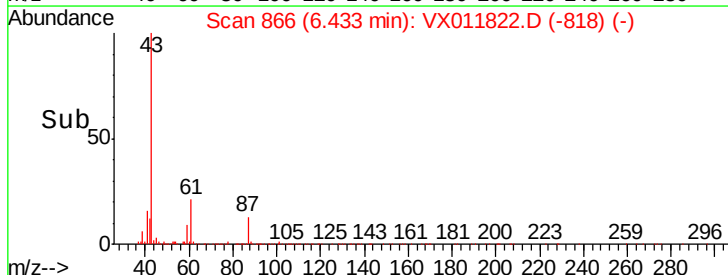
87 15.2 11.6 17.4

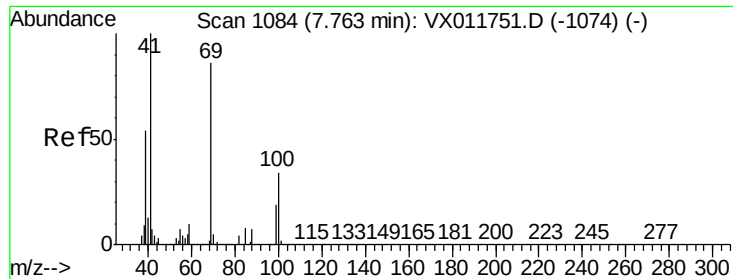


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

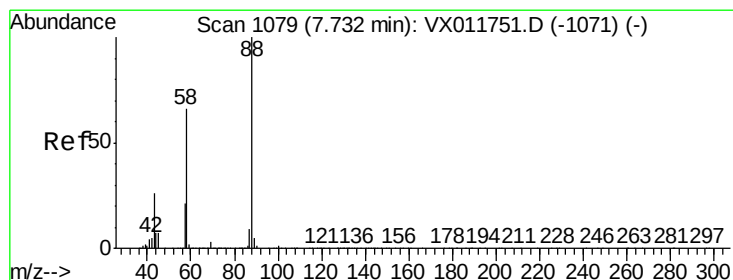
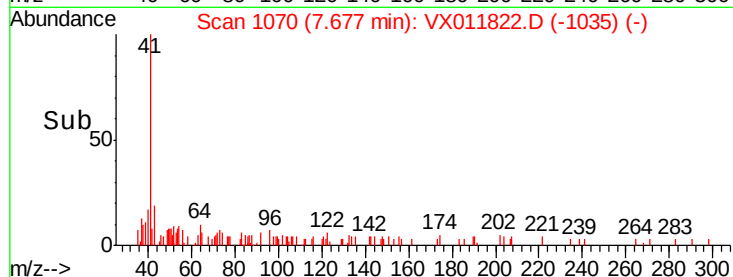
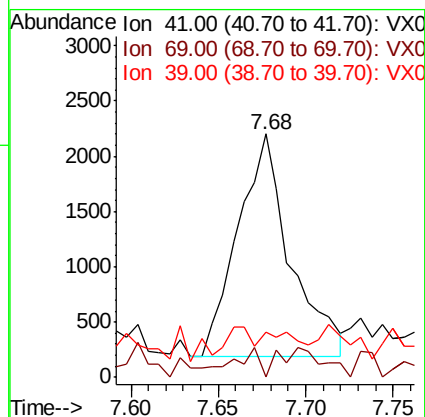
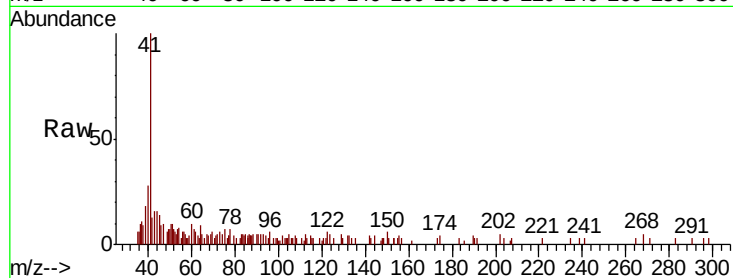




#48
Methyl methacrylate
Concen: 0.987 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

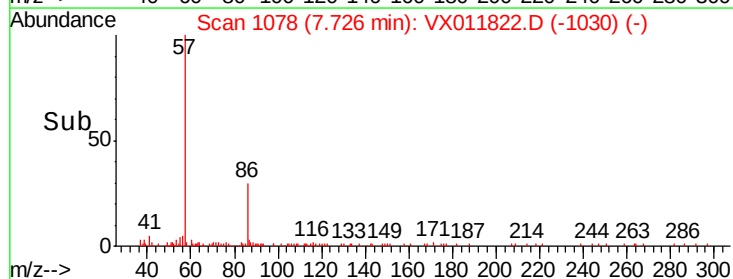
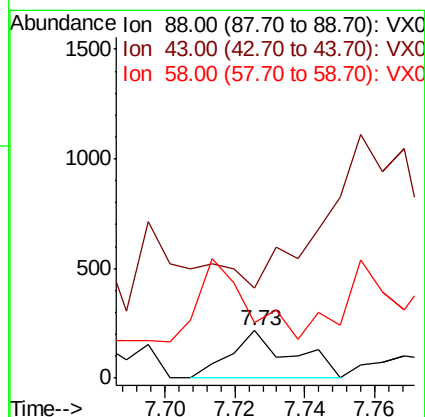
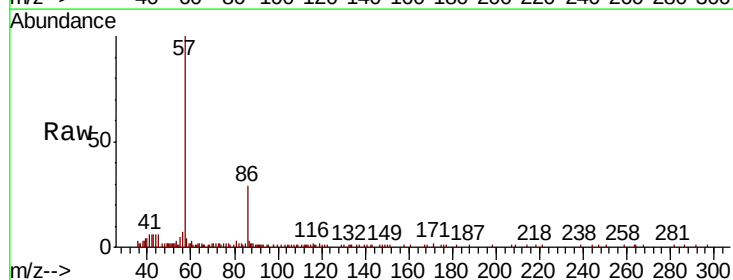
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F1-(2.5)

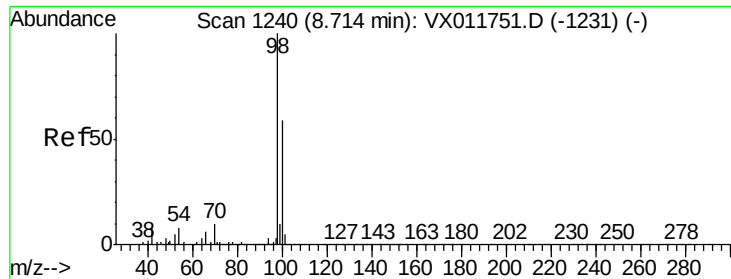
Tgt Ion: 41 Resp: 4198
Ion Ratio Lower Upper
41 100
69 6.5 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 2.257 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

Tgt Ion: 88 Resp: 266
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 204.5 51.4 77.2#

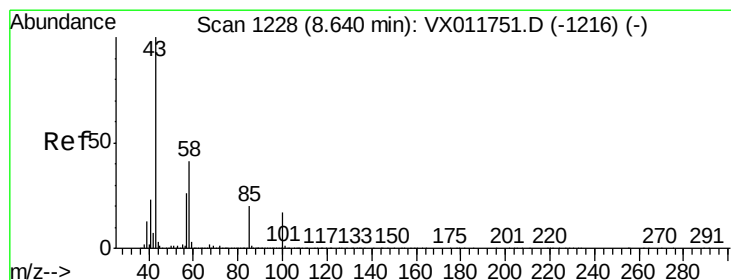
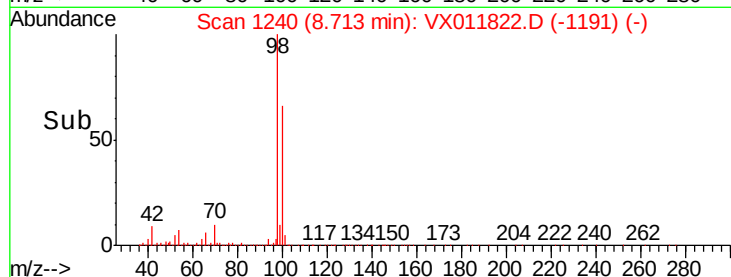
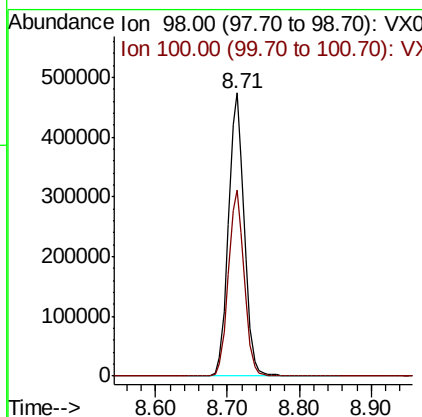
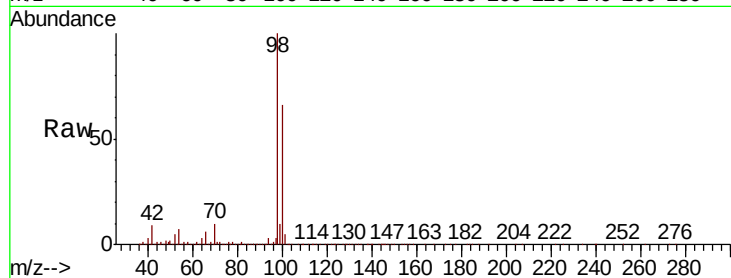




#50
Toluene-d8
Concen: 50.782 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

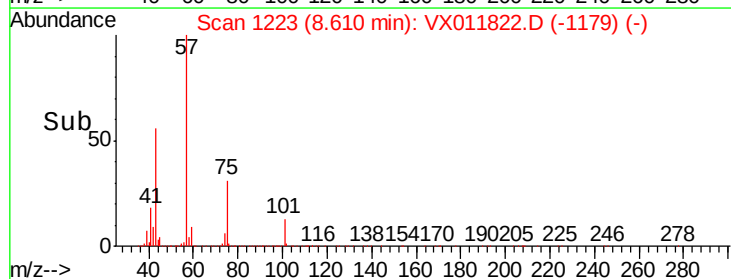
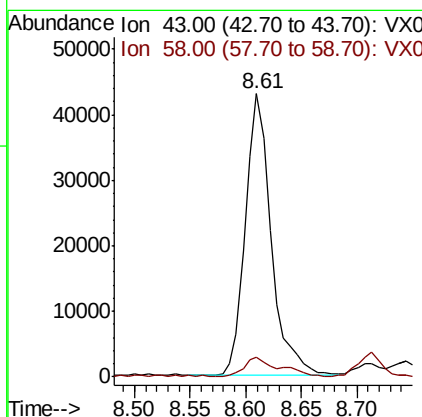
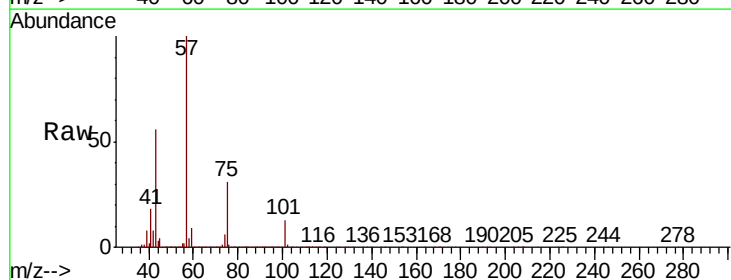
Instrument :
MSVOA_X
ClientSampled :
T1-2-F1-(2.5)

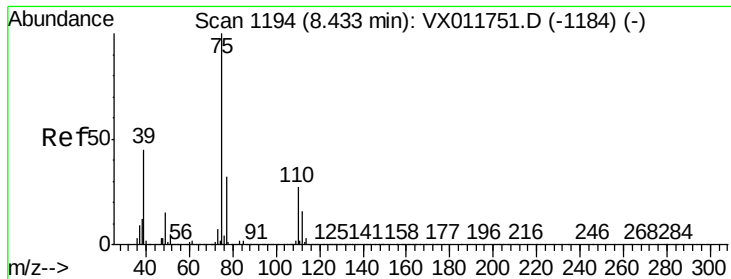
Tgt Ion: 98 Resp: 728929
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 12.337 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

Tgt Ion: 43 Resp: 69490
Ion Ratio Lower Upper
43 100
58 9.3 31.8 47.6#



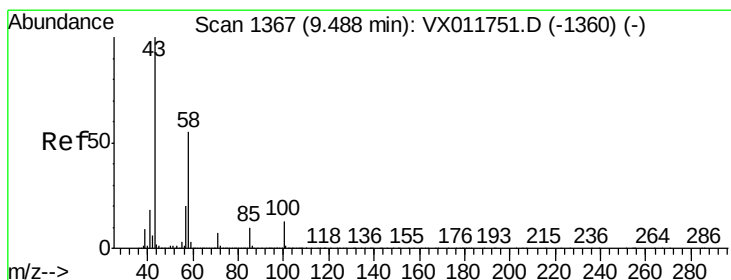
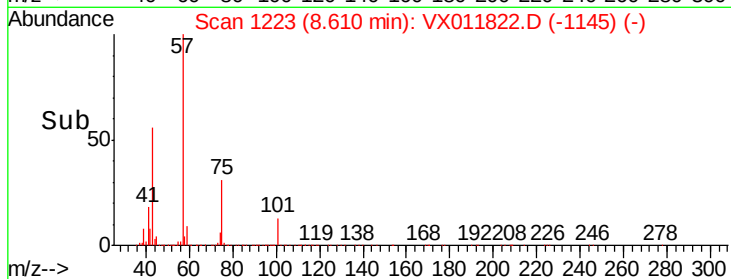
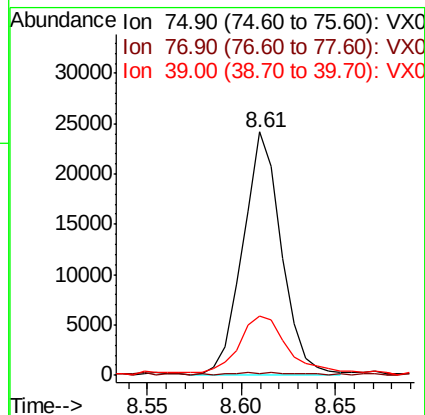
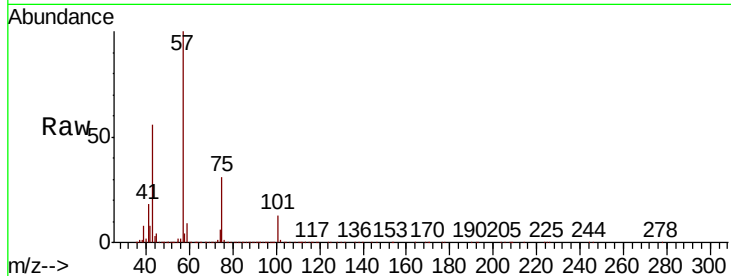


#54

cis-1,3-Dichloropropene
 Concen: 5.832 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011822.D
 Acq: 24 Aug 2019 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F1-(2.5)

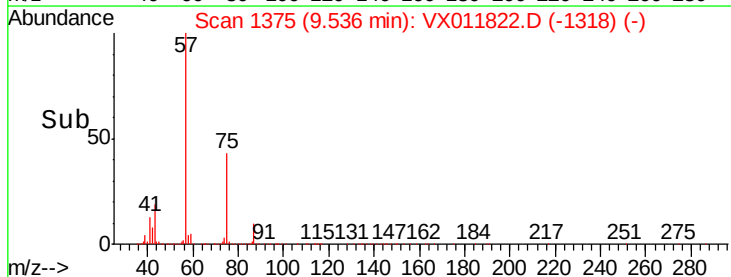
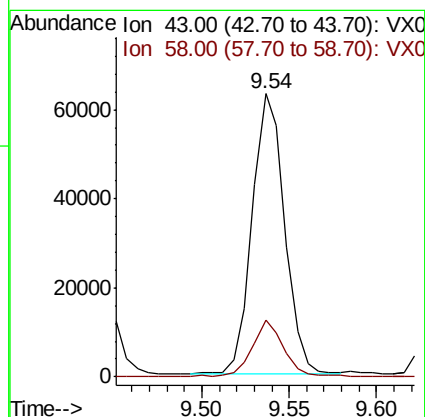
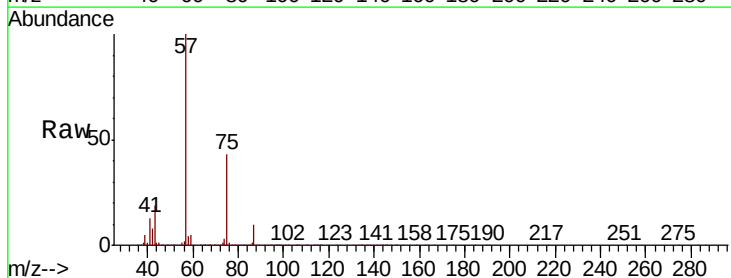
Tgt Ion: 75 Resp: 34399
 Ion Ratio Lower Upper
 75 100
 77 0.2 25.4 38.2#
 39 23.5 36.2 54.4#

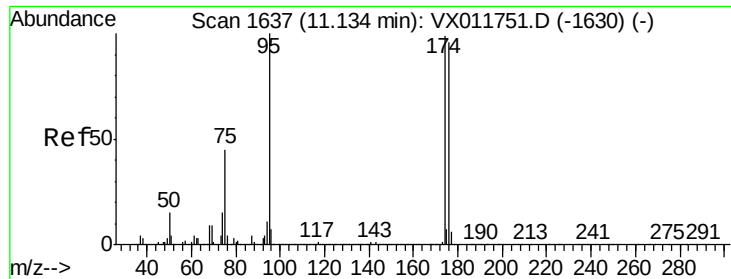


#59

2-Hexanone
 Concen: 18.785 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011822.D
 Acq: 24 Aug 2019 16:39

Tgt Ion: 43 Resp: 81208
 Ion Ratio Lower Upper
 43 100
 58 19.9 27.7 83.1#

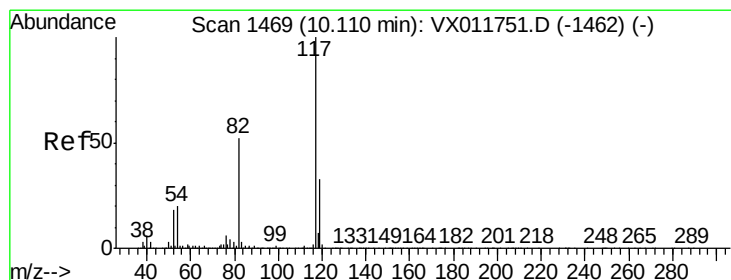
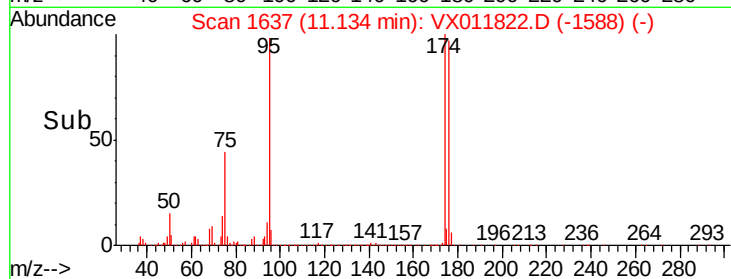
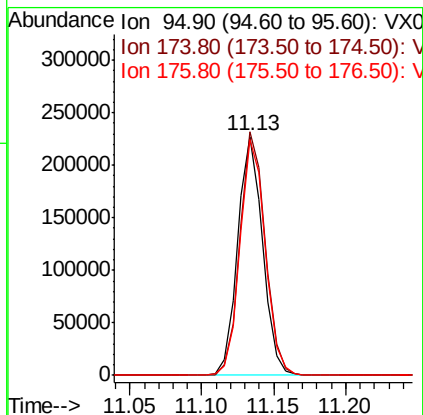
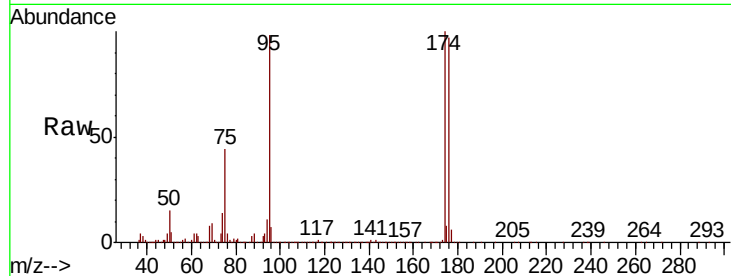




#62
4-Bromofluorobenzene
Concen: 48.323 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

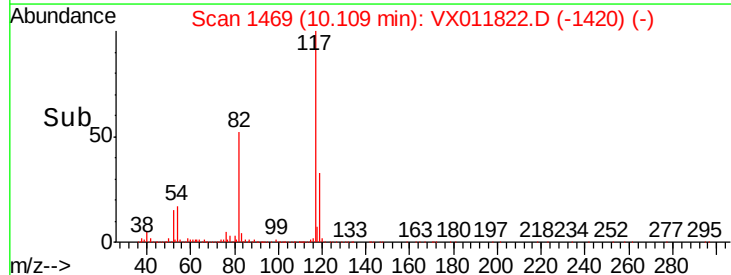
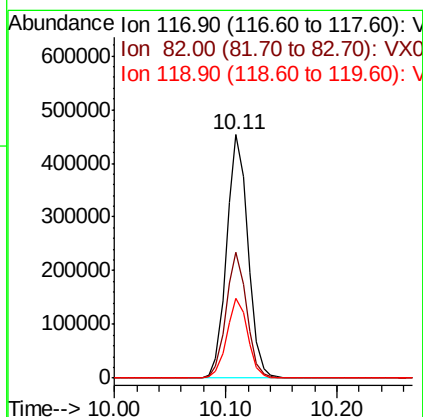
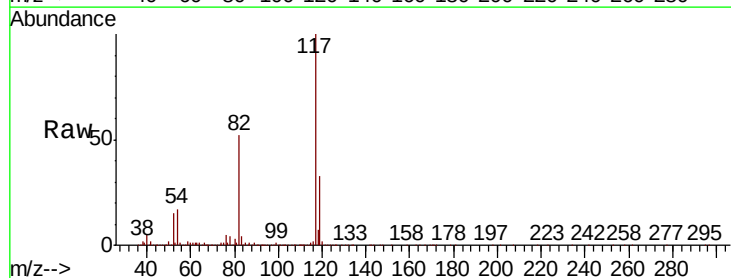
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F1-(2.5)

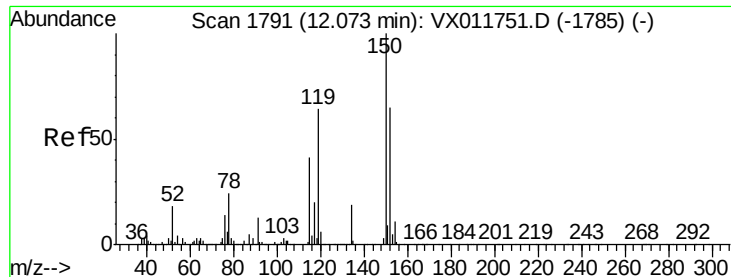
Tgt Ion	Ratio	Lower	Upper
95	100		
174	103.0	0.0	197.4
176	99.5	0.0	194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011822.D
Acq: 24 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.7	62.5
119	32.7	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: VX011822.D

Acq: 24 Aug 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F1-(2.5)

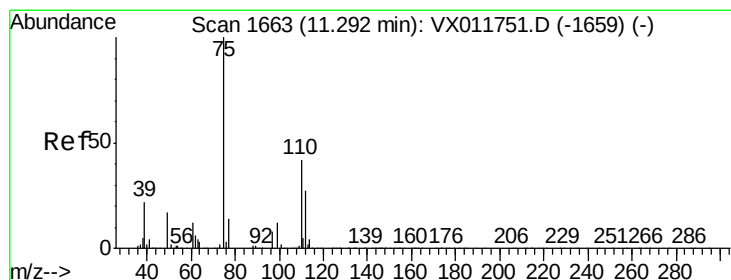
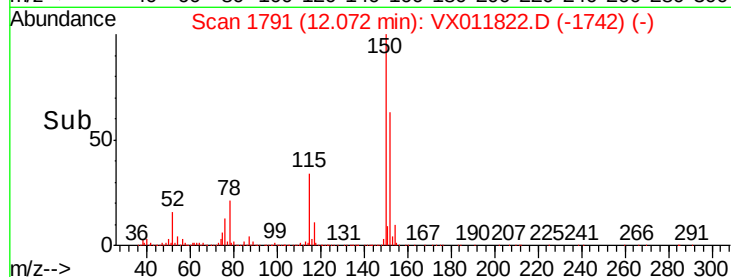
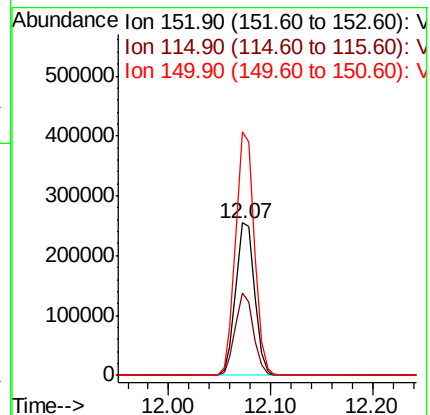
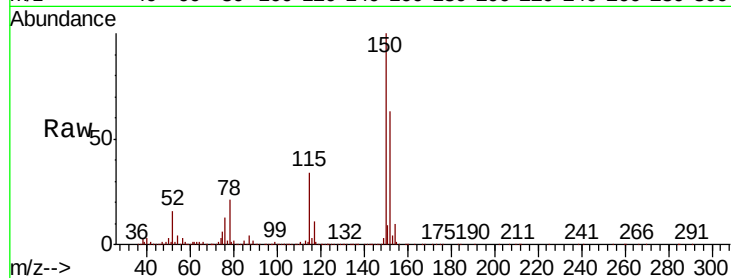
Tgt Ion: 152 Resp: 325044

Ion Ratio Lower Upper

152 100

115 51.8 37.3 111.8

150 157.8 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 21.735 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011822.D

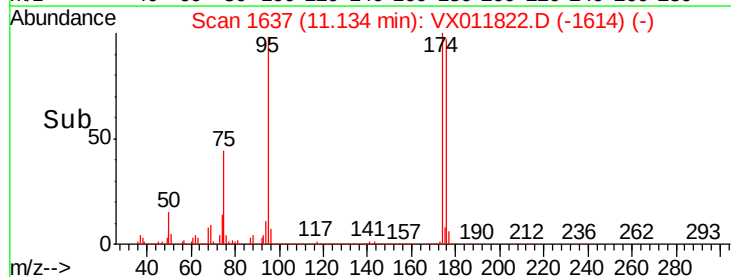
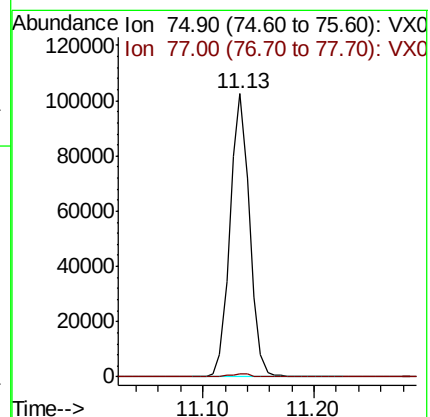
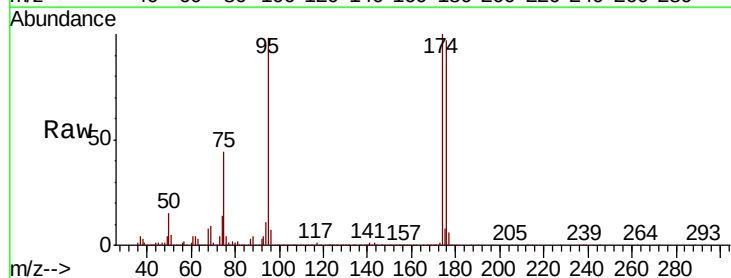
Acq: 24 Aug 2019 16:39

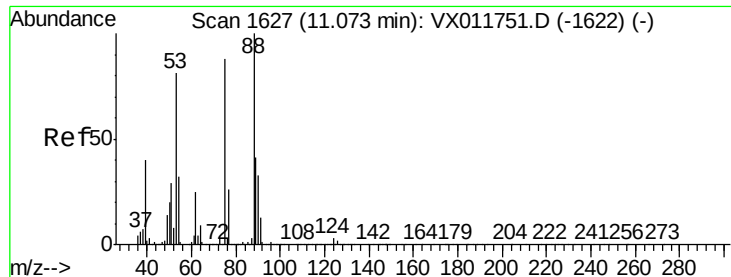
Tgt Ion: 75 Resp: 123968

Ion Ratio Lower Upper

75 100

77 1.4 21.1 63.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.550 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011822.D

Acq: 24 Aug 2019 16:39

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F1-(2.5)

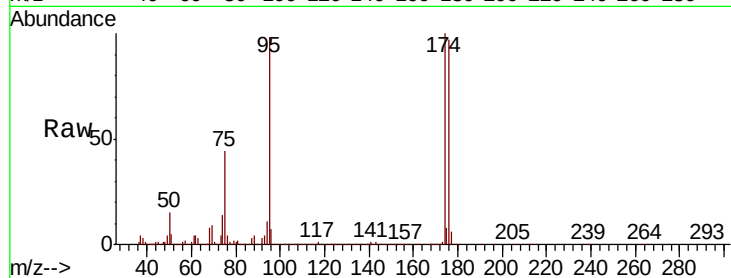
Tgt Ion: 75 Resp: 123968

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

89 0.1 38.5 57.7#



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

