

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011823.D
 Acq On : 24 Aug 2019 17:02
 Operator : JC/SP
 Sample : K4474-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F2-(0)

Quant Time: Aug 26 04:10:34 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	470858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	633814	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	590298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322255	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	213309	45.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.20%	
35) Dibromofluoromethane	5.49	113	191083	46.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.24%	
50) Toluene-d8	8.71	98	728788	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.13	95	270025	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	

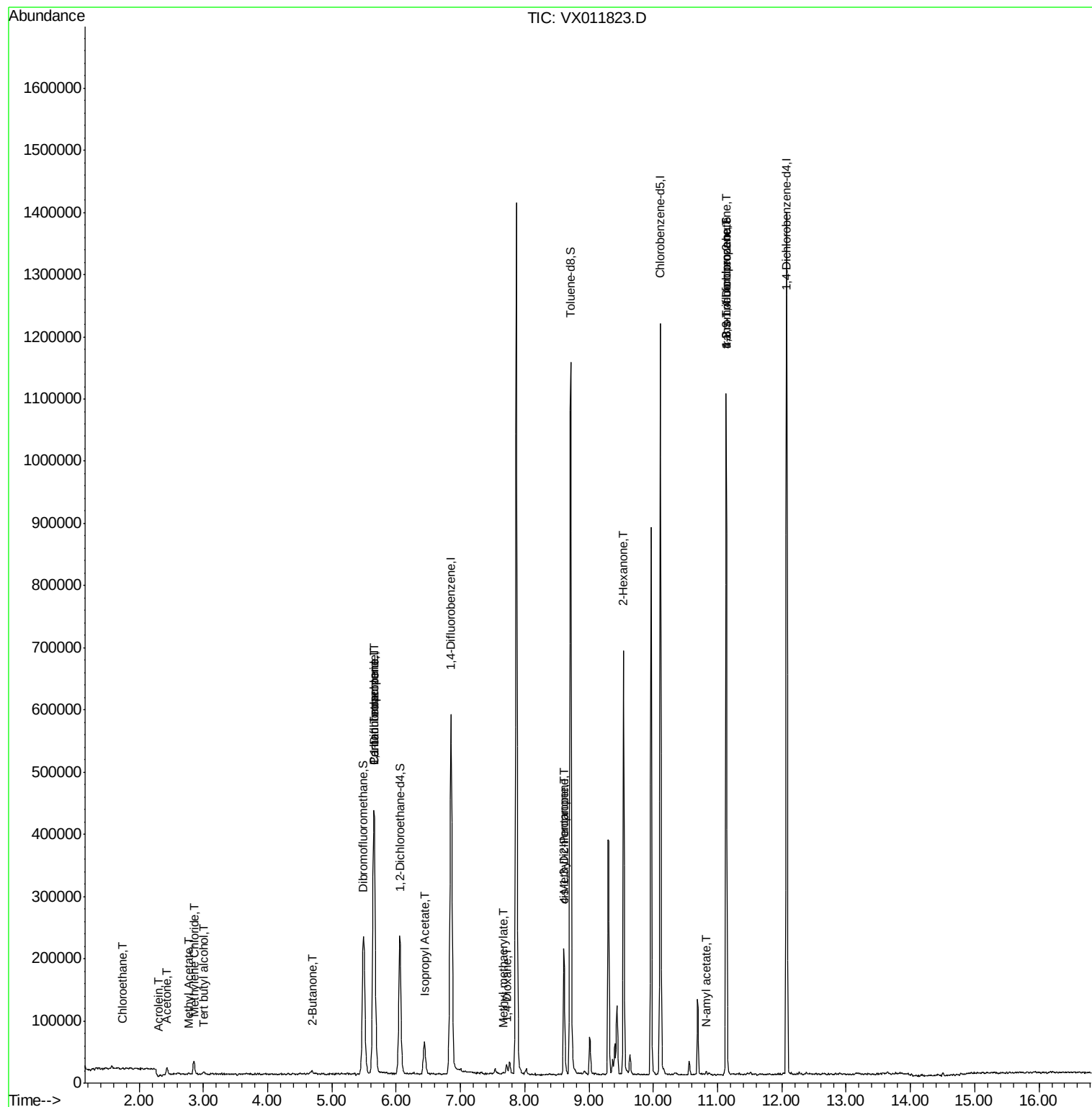
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	745	0.331	ug/l #	47
11) Tert butyl alcohol	3.01	59	1962	2.099	ug/l #	66
13) Acrolein	2.31	56	311	0.861	ug/l	86
16) Acetone	2.43	43	11665	5.669	ug/l	89
18) Methyl Acetate	2.77	43	4413	0.790	ug/l	98
20) Methylene Chloride	2.85	84	11157	2.652	ug/l	95
25) 2-Butanone	4.68	43	1900	0.643	ug/l #	72
36) 1,1-Dichloropropene	5.65	75	24978	5.026	ug/l #	53
38) Carbon Tetrachloride	5.66	117	38627	6.858	ug/l #	17
43) Isopropyl Acetate	6.44	43	69972	8.219	ug/l	95
48) Methyl methacrylate	7.67	41	4102	0.968	ug/l #	14
49) 1,4-Dioxane	7.73	88	173	1.474	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	67990	12.121	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	34361	5.850	ug/l #	62
59) 2-Hexanone	9.54	43	77955	18.106	ug/l #	49
74) N-amyl acetate	10.82	43	2868	0.381	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	124696	22.052	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	124696	66.505	ug/l #	11

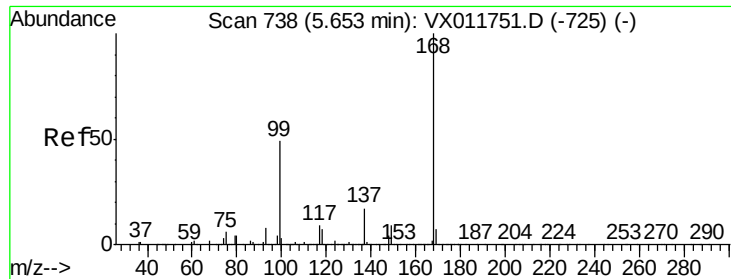
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
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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: VX011823.D

Acq: 24 Aug 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

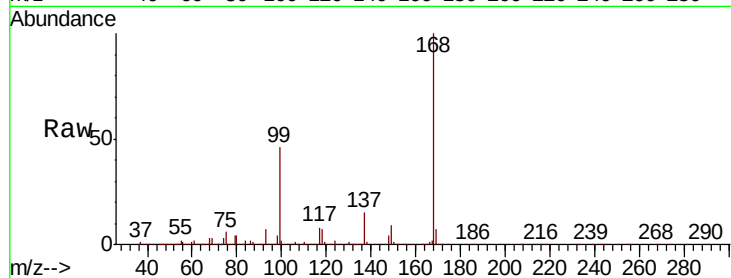
T1-2-F2-(0)

Tgt Ion:168 Resp: 470858

Ion Ratio Lower Upper

168 100

99 45.5 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

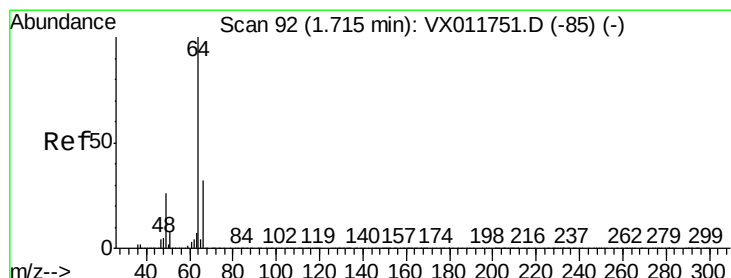
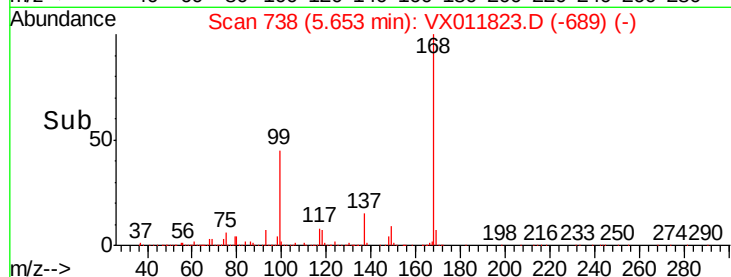
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.331 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX011823.D

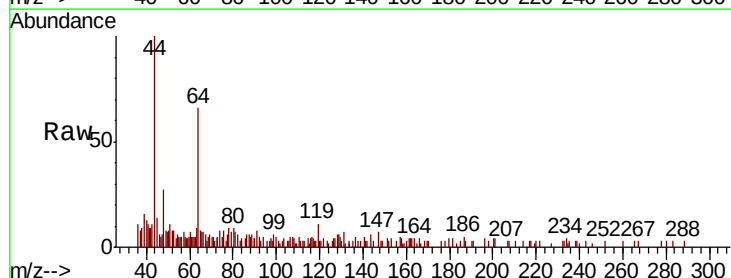
Acq: 24 Aug 2019 17:02

Tgt Ion: 64 Resp: 745

Ion Ratio Lower Upper

64 100

66 60.4 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

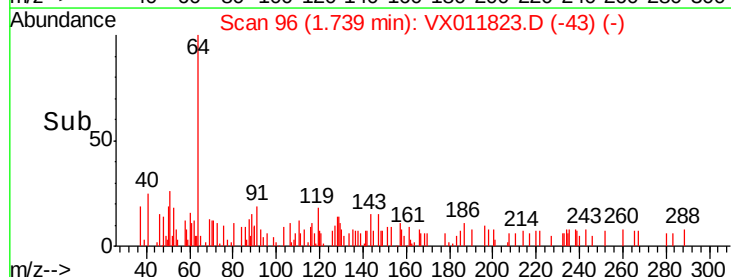
1500

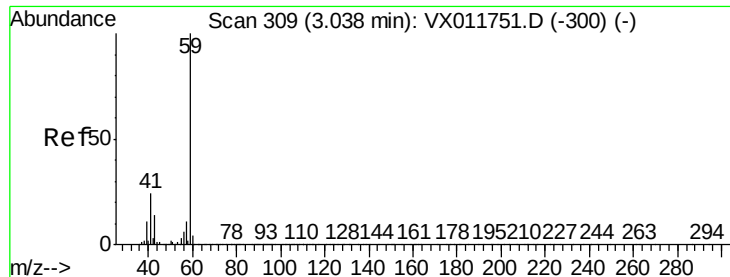
1000

500

0

Time-->

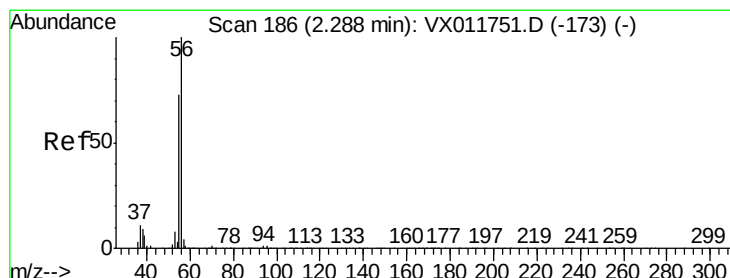
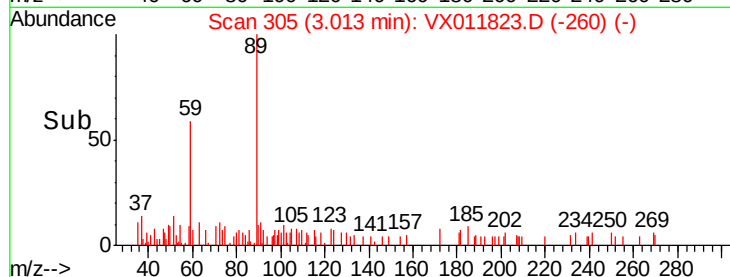
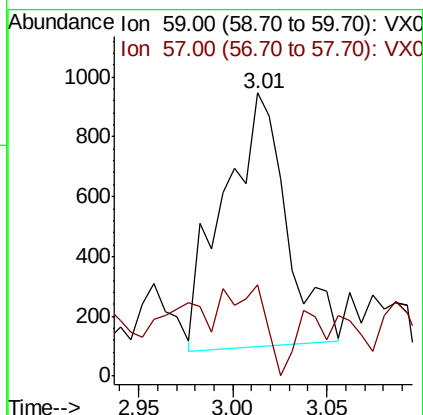
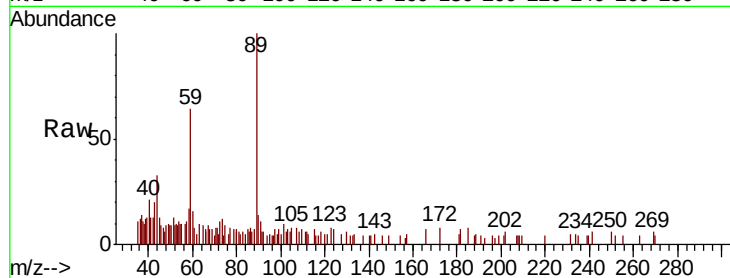




#11
Tert butyl alcohol
Concen: 2.099 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

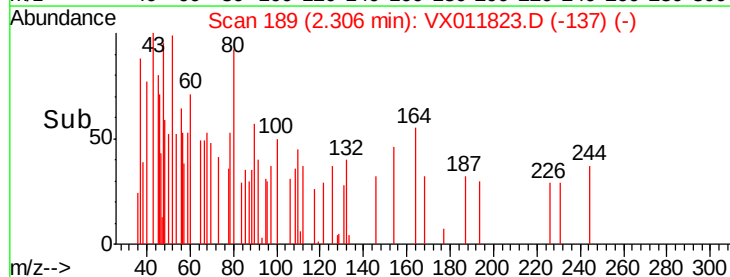
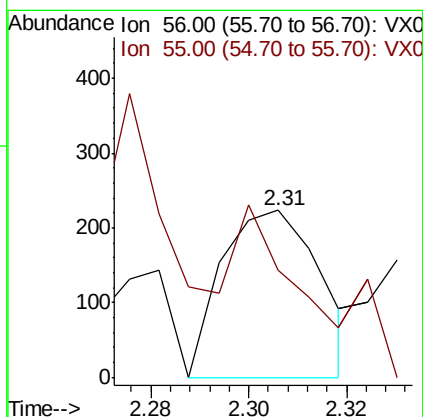
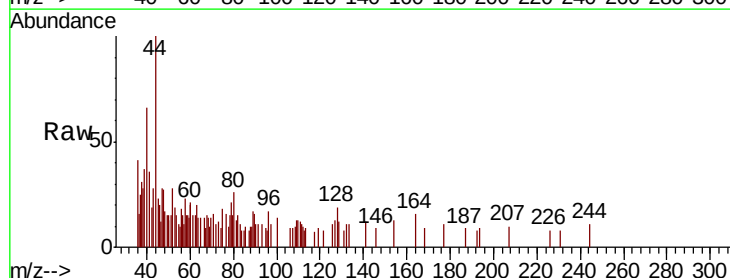
Instrument :
MSVOA_X
ClientSampled :
T1-2-F2-(0)

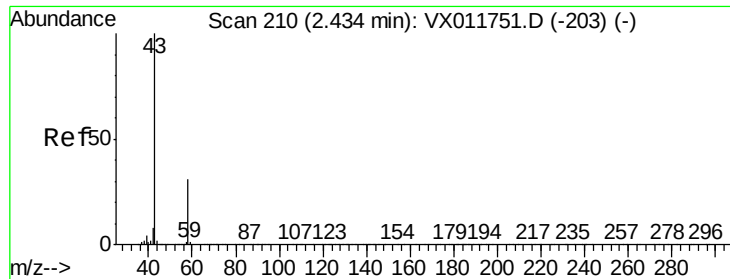
Tgt Ion: 59 Resp: 1962
Ion Ratio Lower Upper
59 100
57 23.2 8.4 12.6#



#13
Acrolein
Concen: 0.861 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.02 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

Tgt Ion: 56 Resp: 311
Ion Ratio Lower Upper
56 100
55 79.7 54.8 82.2

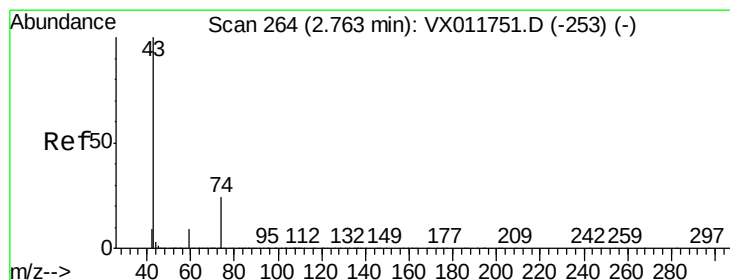
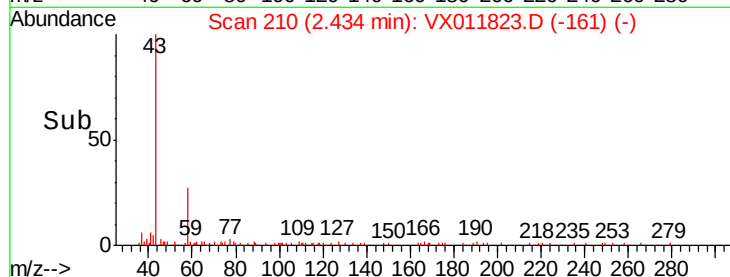
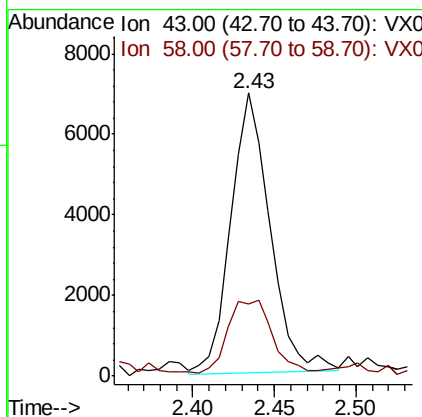
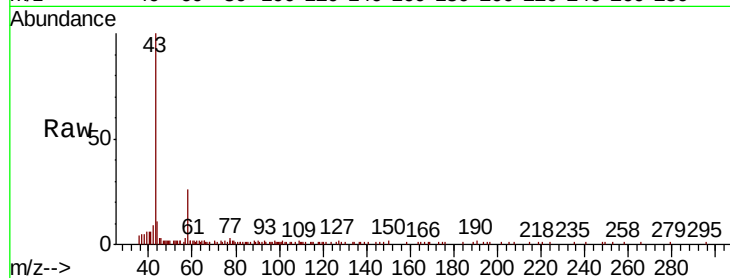




#16
Acetone
Concen: 5.669 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

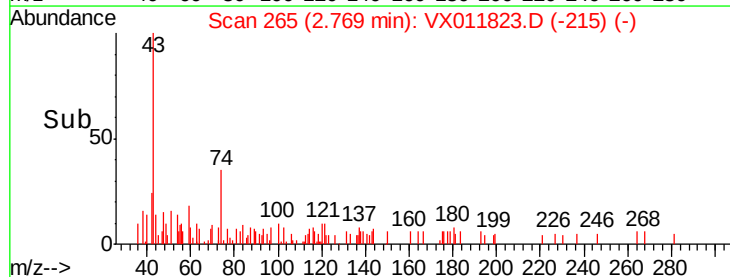
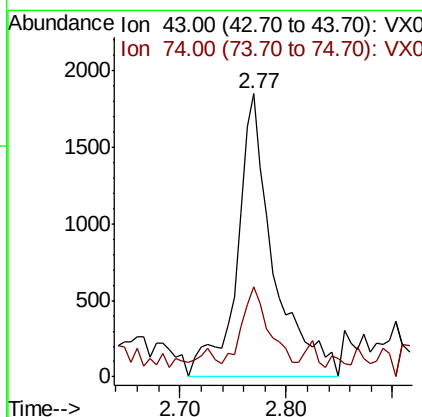
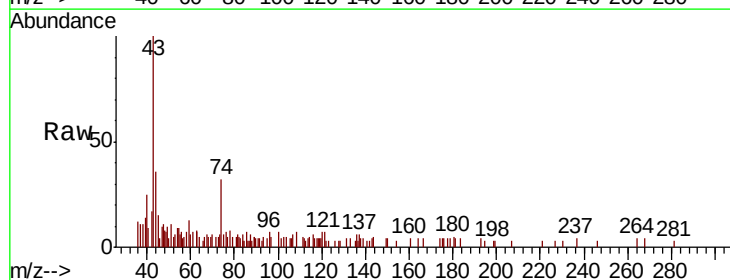
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F2-(0)

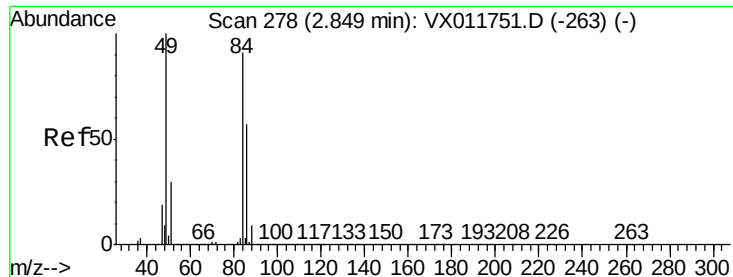
Tgt Ion: 43 Resp: 11665
Ion Ratio Lower Upper
43 100
58 24.7 24.4 36.6



#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

Tgt Ion: 43 Resp: 4413
Ion Ratio Lower Upper
43 100
74 23.2 19.5 29.3

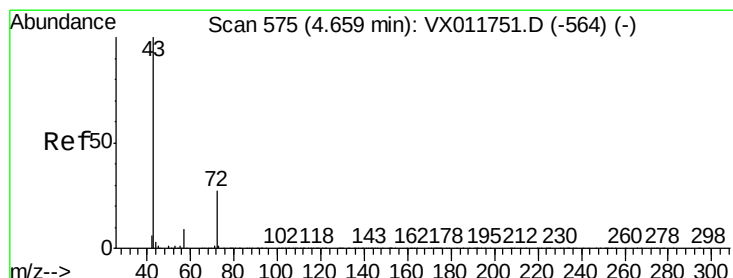
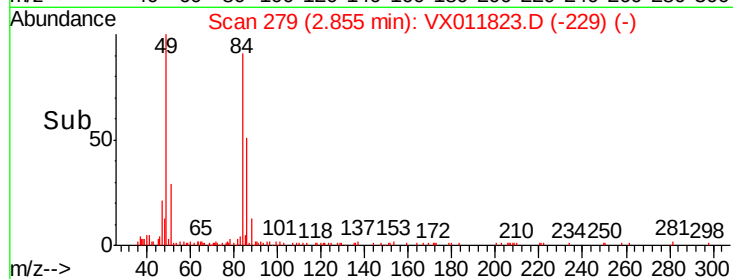
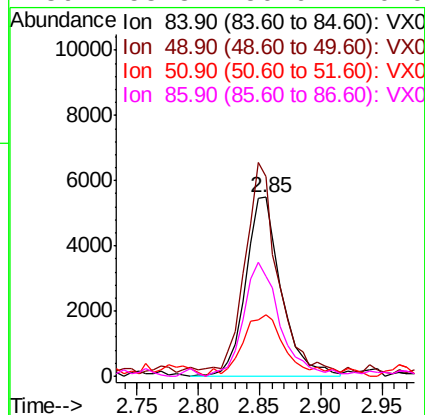
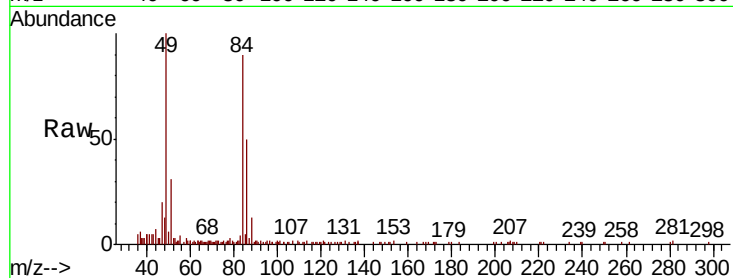




#20
Methylene Chloride
Concen: 2.652 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

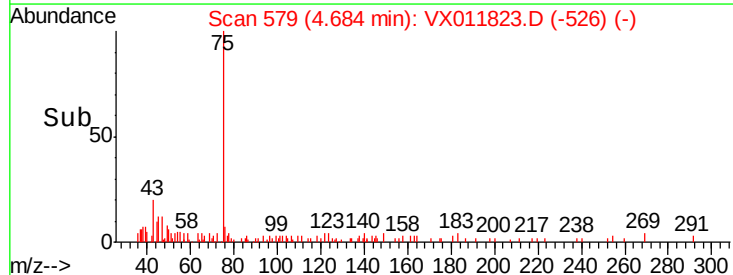
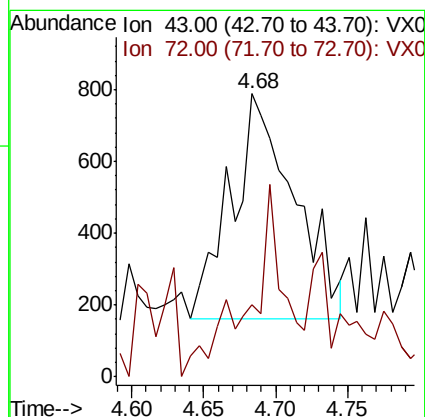
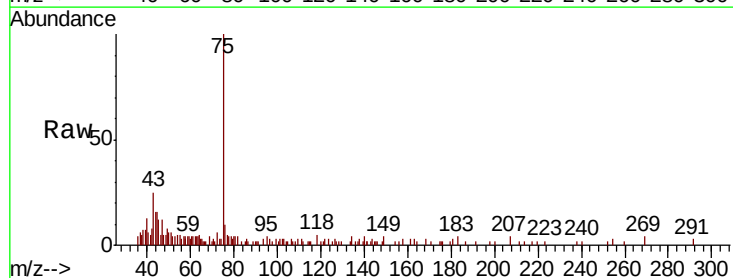
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F2-(0)

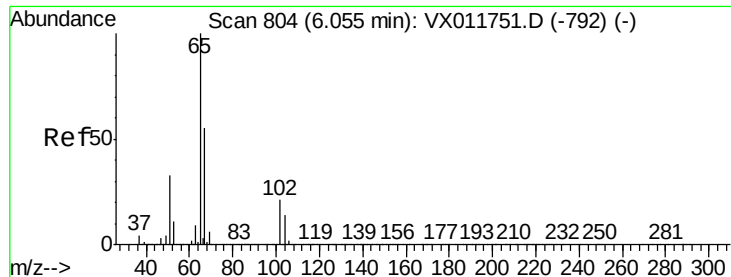
Tgt Ion:	84	Resp:	11157
Ion	Ratio	Lower	Upper
84	100		
49	109.2	88.3	132.5
51	32.1	26.2	39.2
86	53.8	50.6	76.0



#25
2-Butanone
Concen: 0.643 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

Tgt Ion:	43	Resp:	1900
Ion	Ratio	Lower	Upper
43	100		
72	12.5	21.8	32.6#





#33

1,2-Dichloroethane-d4

Concen: 45.097 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011823.D

Acq: 24 Aug 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

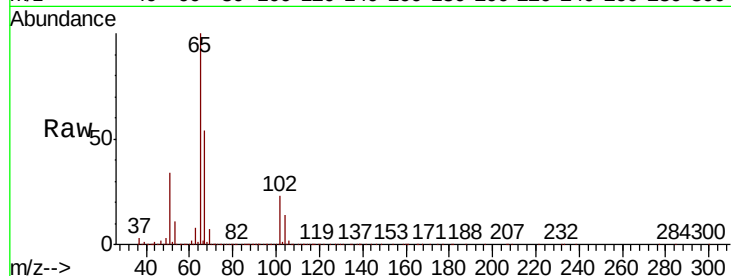
T1-2-F2-(0)

Tgt Ion: 65 Resp: 213309

Ion Ratio Lower Upper

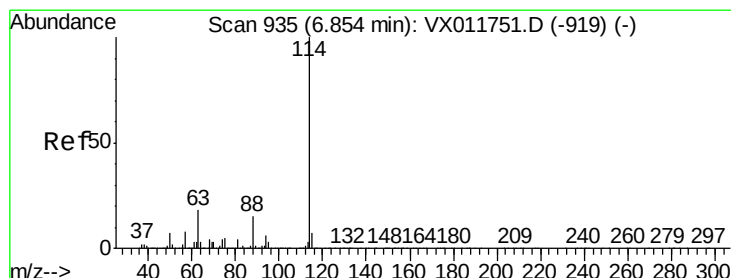
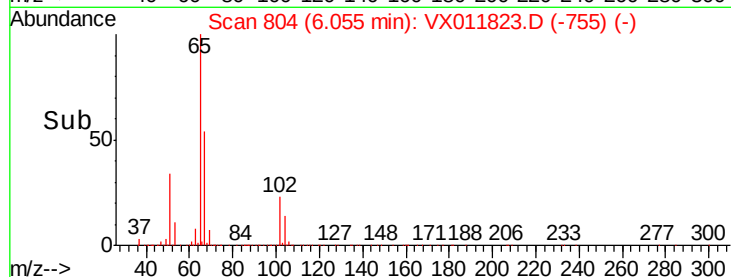
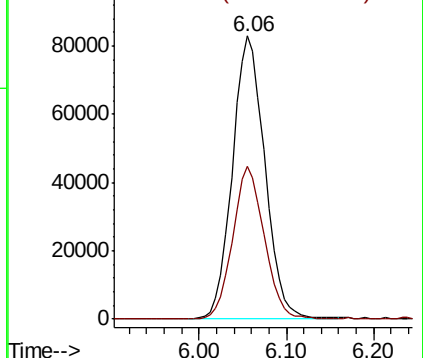
65 100

67 52.7 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: VX011823.D

Acq: 24 Aug 2019 17:02

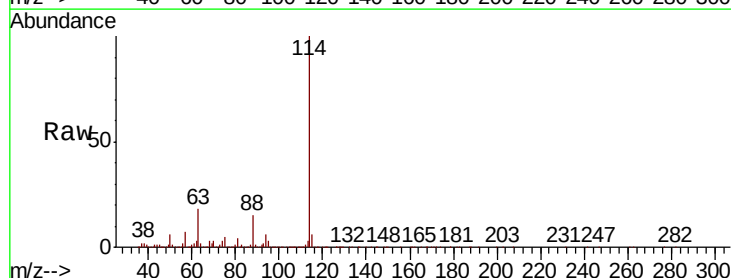
Tgt Ion: 114 Resp: 633814

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

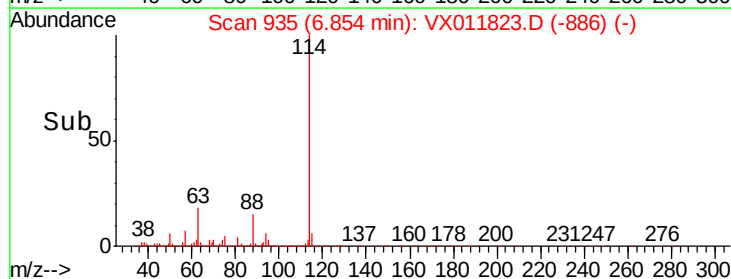
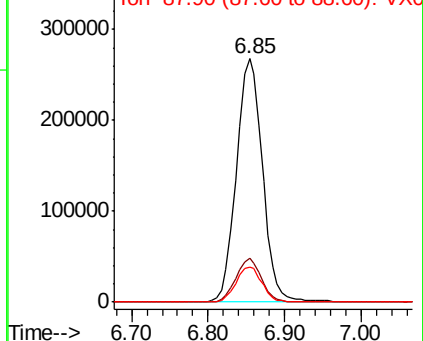
88 14.6 0.0 30.2

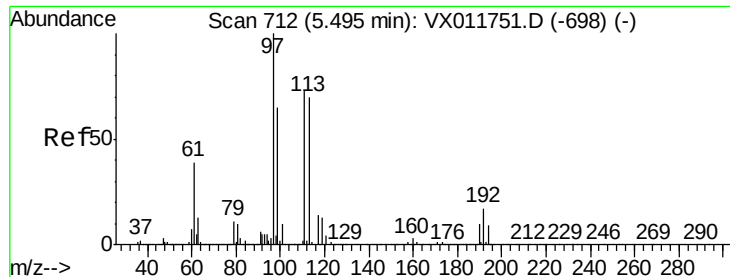


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

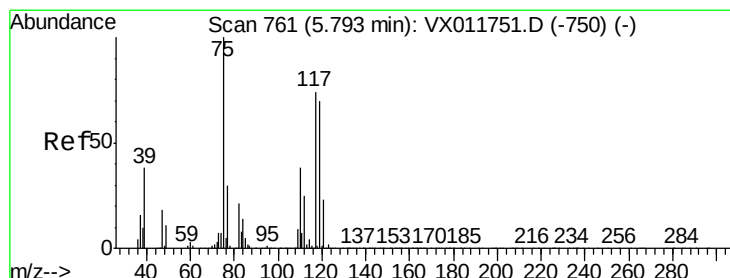
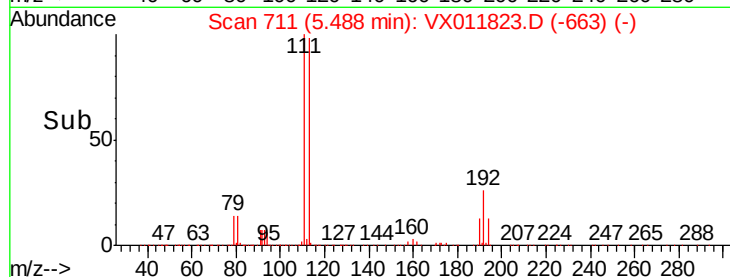
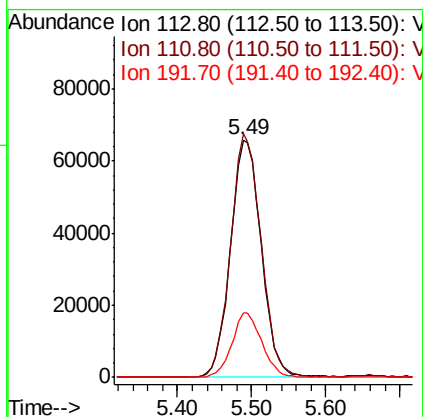
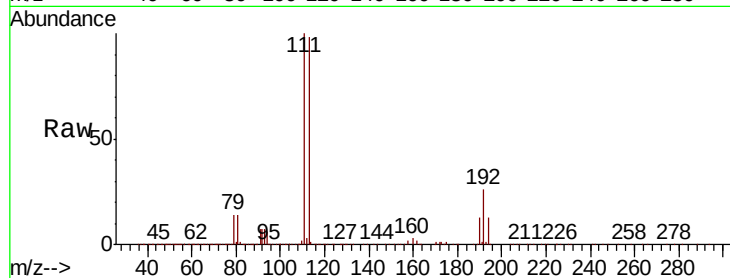




#35
 Dibromofluoromethane
 Concen: 46.623 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011823.D
 Acq: 24 Aug 2019 17:02

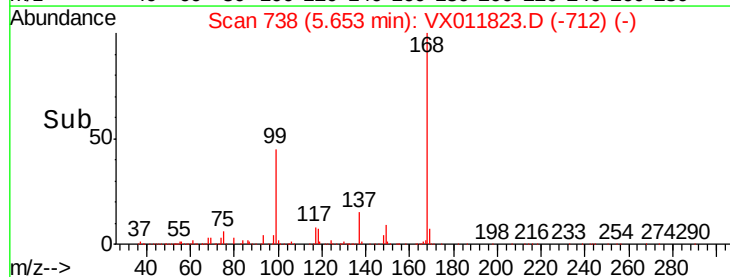
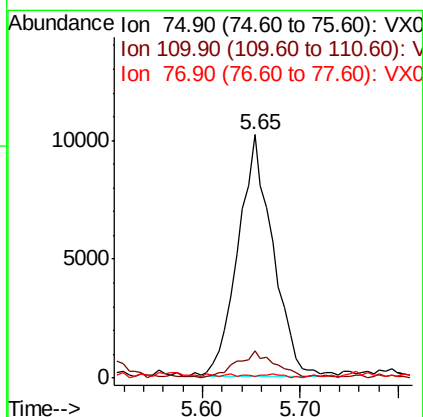
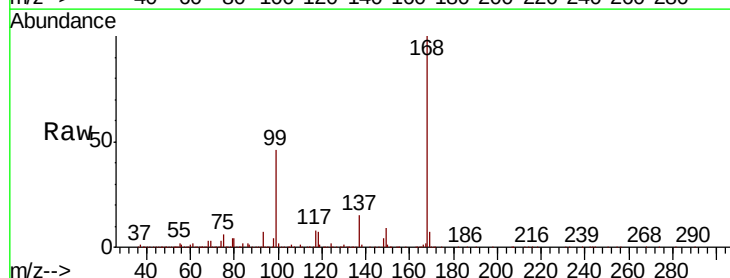
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F2-(0)

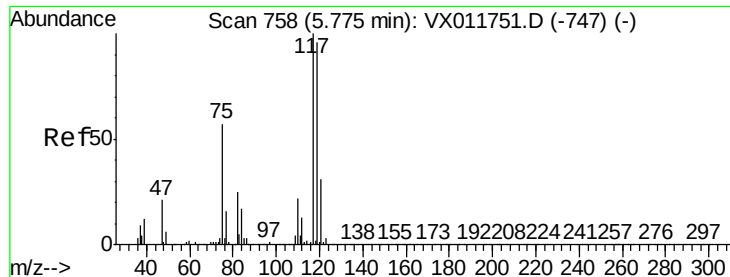
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.0	121.4
192	26.4	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011823.D
 Acq: 24 Aug 2019 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.6	19.0	57.0#
77	1.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.858 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011823.D

Acq: 24 Aug 2019 17:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-F2-(0)

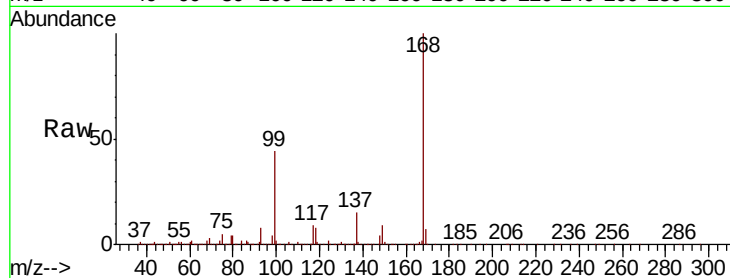
Tgt Ion:117 Resp: 38627

Ion Ratio Lower Upper

117 100

119 6.3 76.6 114.8#

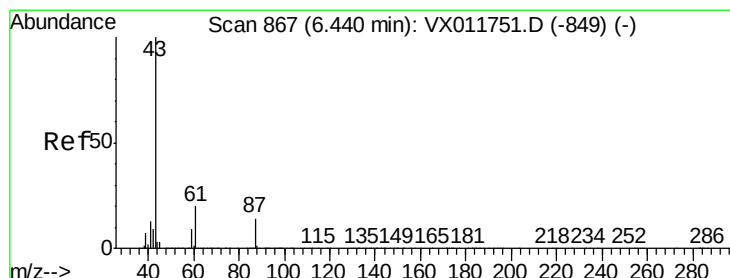
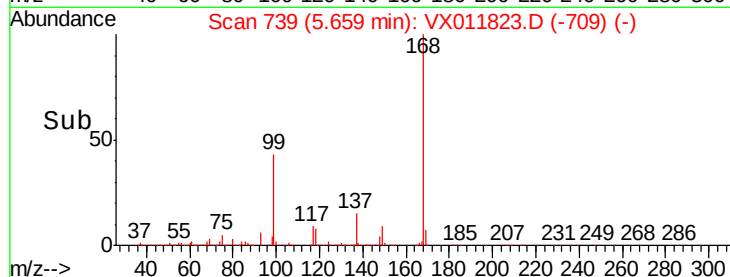
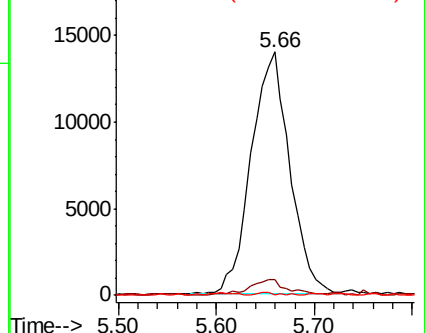
121 0.0 25.2 37.8#



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: 8.219 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011823.D

Acq: 24 Aug 2019 17:02

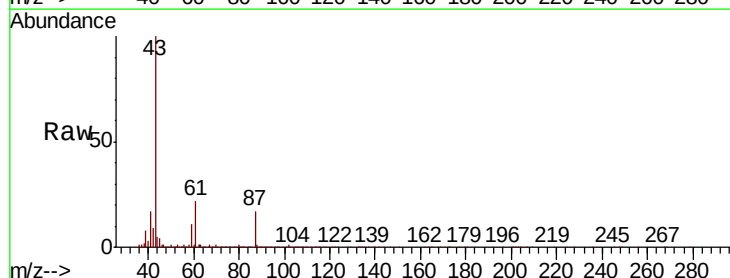
Tgt Ion: 43 Resp: 69972

Ion Ratio Lower Upper

43 100

61 22.5 16.2 24.2

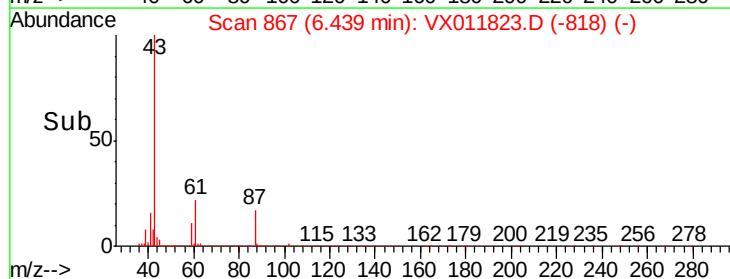
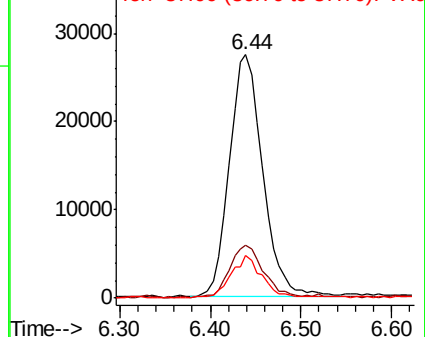
87 16.3 11.6 17.4

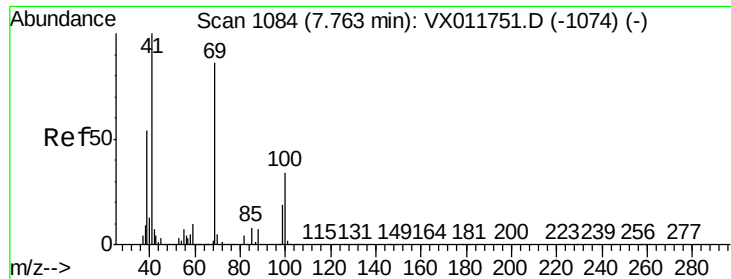


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

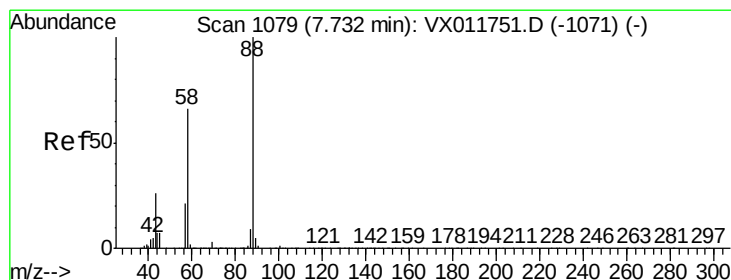
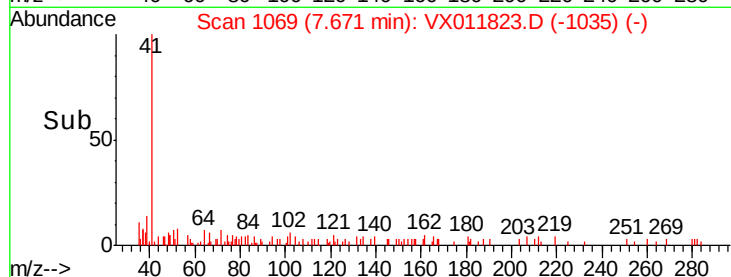
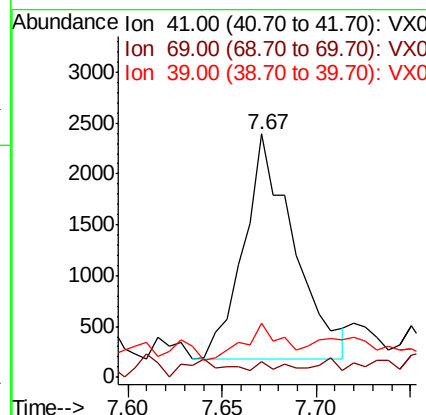
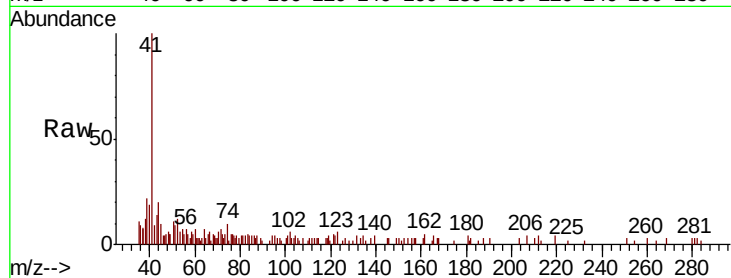




#48
Methyl methacrylate
Concen: 0.968 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.09 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

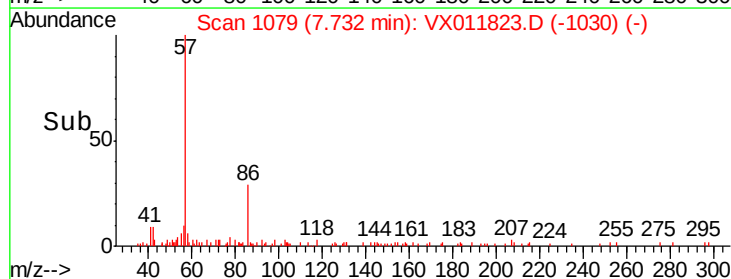
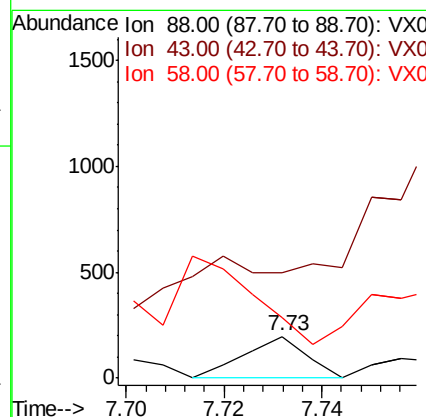
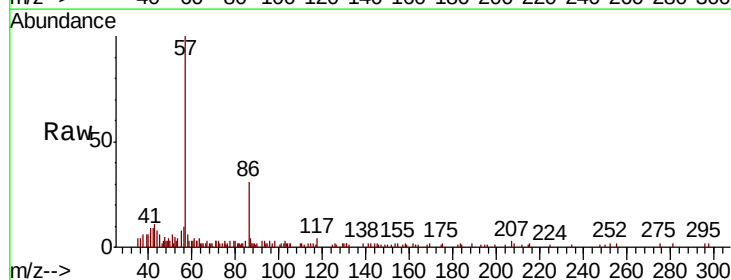
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F2-(0)

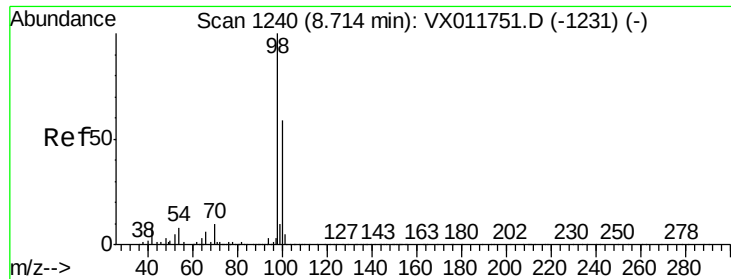
Tgt Ion: 41 Resp: 4102
Ion Ratio Lower Upper
41 100
69 1.9 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 1.474 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

Tgt Ion: 88 Resp: 173
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 882.1 51.4 77.2#

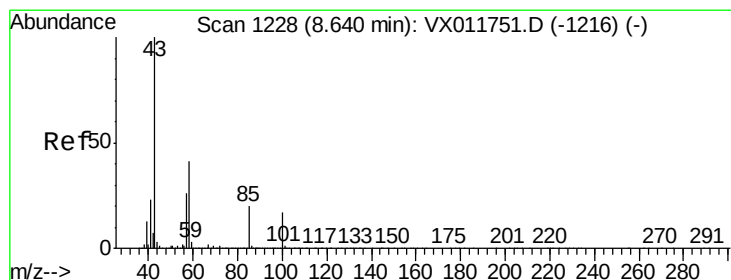
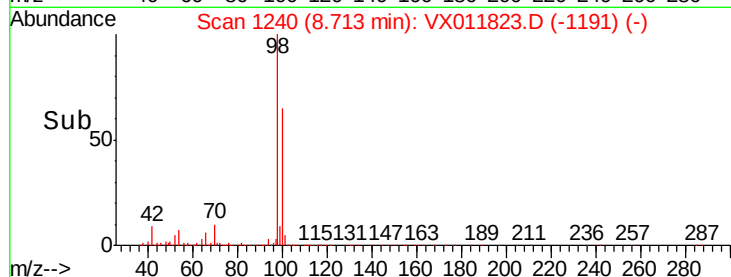
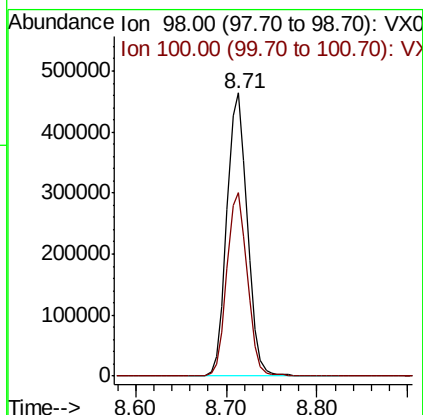
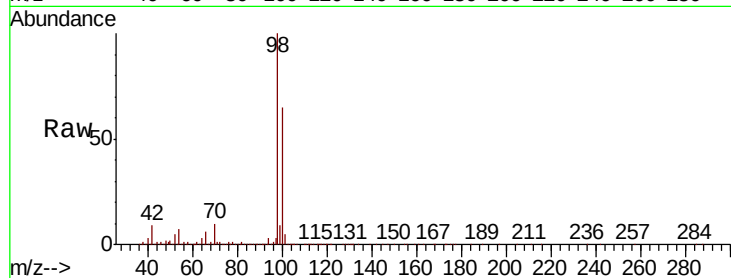




#50
Toluene-d8
Concen: 50.980 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

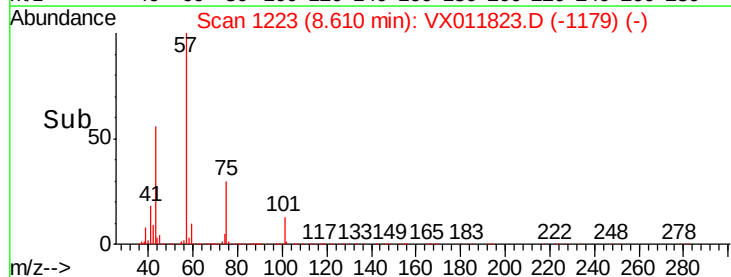
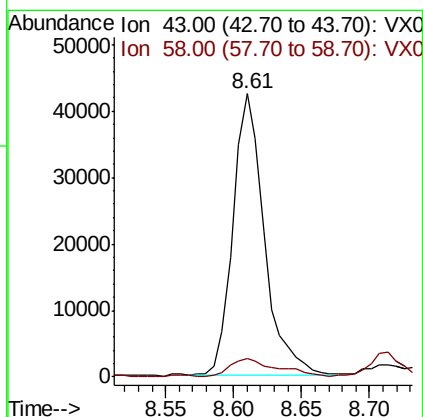
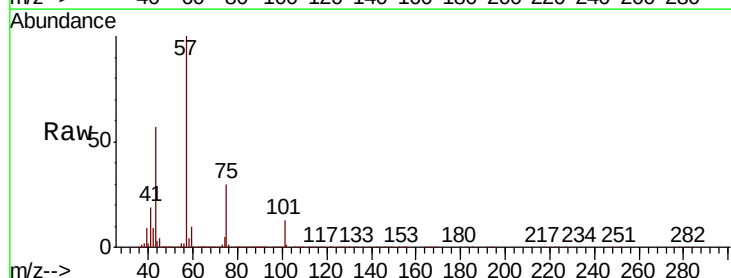
Instrument :
MSVOA_X
ClientSampled :
T1-2-F2-(0)

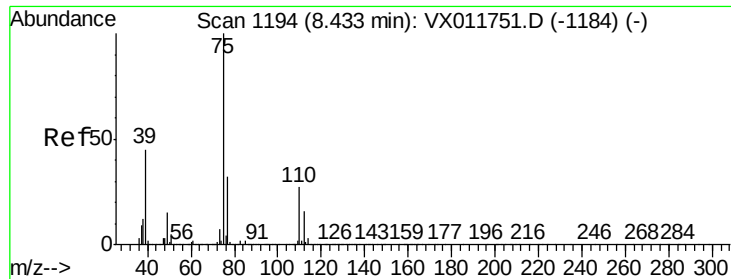
Tgt Ion: 98 Resp: 728788
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 12.121 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

Tgt Ion: 43 Resp: 67990
Ion Ratio Lower Upper
43 100
58 9.1 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.850 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011823.D

Acq: 24 Aug 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

T1-2-F2-(0)

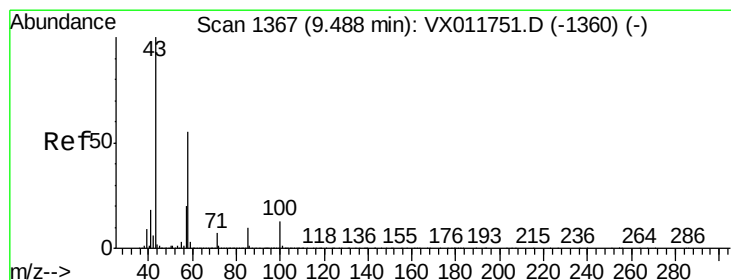
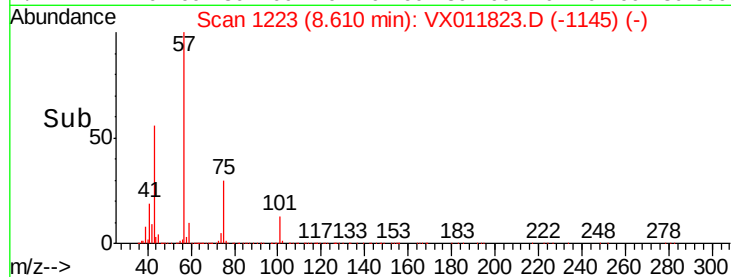
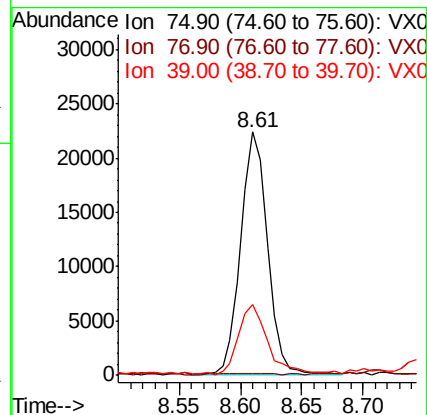
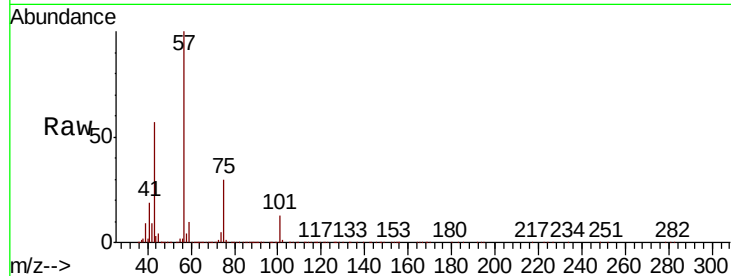
Tgt Ion: 75 Resp: 34361

Ion Ratio Lower Upper

75 100

77 0.7 25.4 38.2#

39 28.2 36.2 54.4#



#59

2-Hexanone

Concen: 18.106 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011823.D

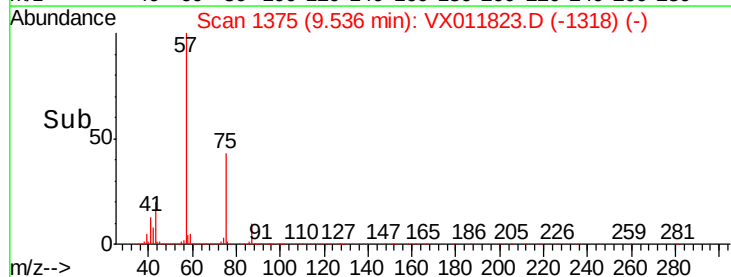
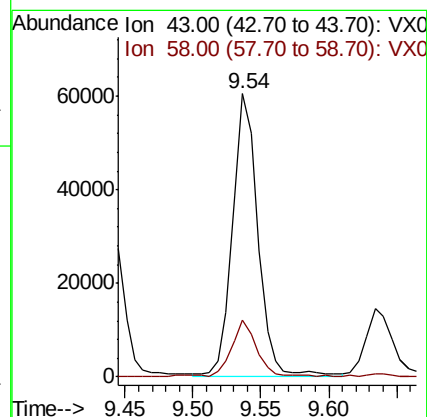
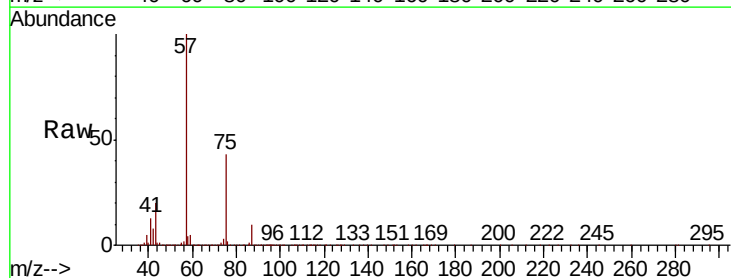
Acq: 24 Aug 2019 17:02

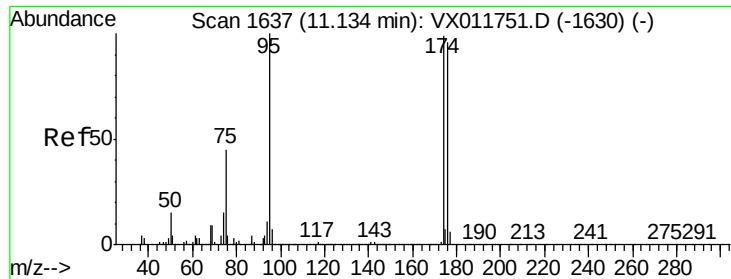
Tgt Ion: 43 Resp: 77955

Ion Ratio Lower Upper

43 100

58 18.5 27.7 83.1#

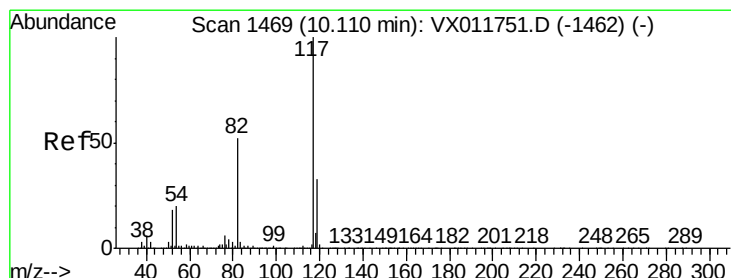
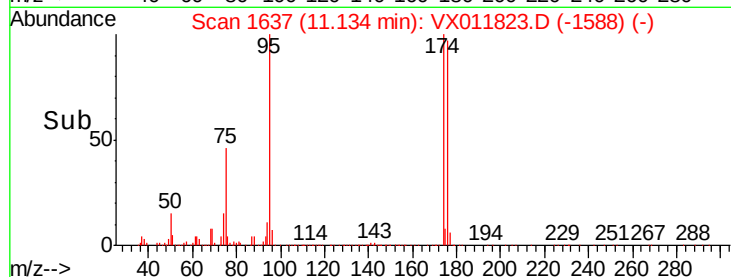
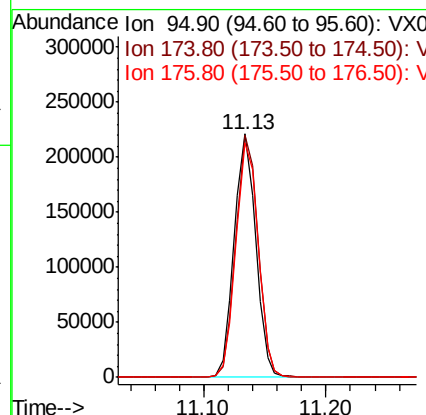
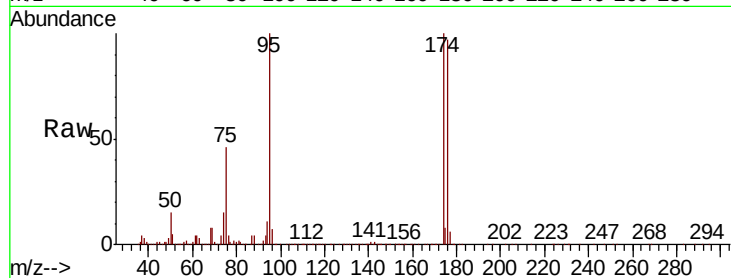




#62
4-Bromofluorobenzene
Concen: 47.788 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

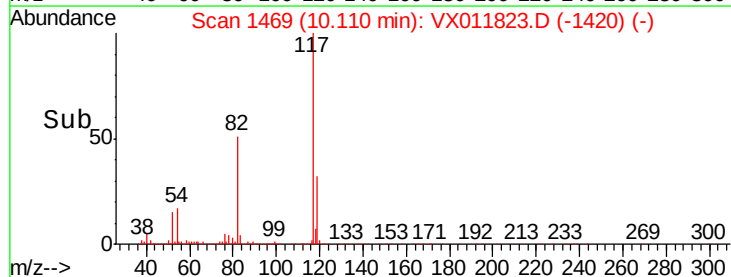
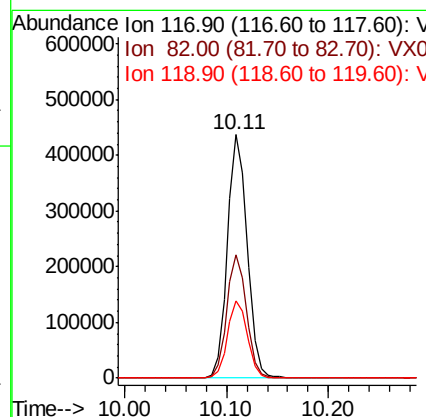
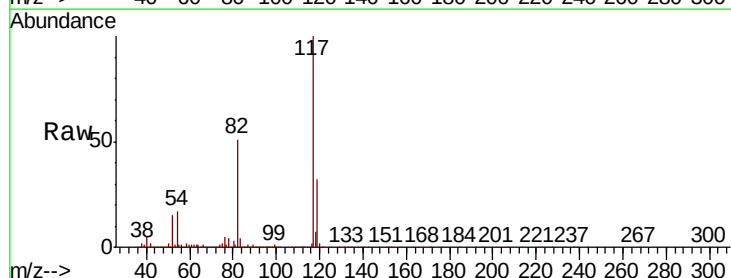
Instrument :
MSVOA_X
ClientSampleId :
T1-2-F2-(0)

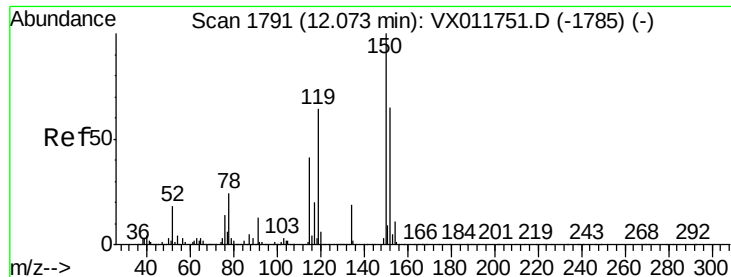
Tgt Ion: 95 Resp: 270025
Ion Ratio Lower Upper
95 100
174 102.7 0.0 197.4
176 99.5 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011823.D
Acq: 24 Aug 2019 17:02

Tgt Ion: 117 Resp: 590298
Ion Ratio Lower Upper
117 100
82 50.8 41.7 62.5
119 31.8 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: VX011823.D

Acq: 24 Aug 2019 17:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-F2-(0)

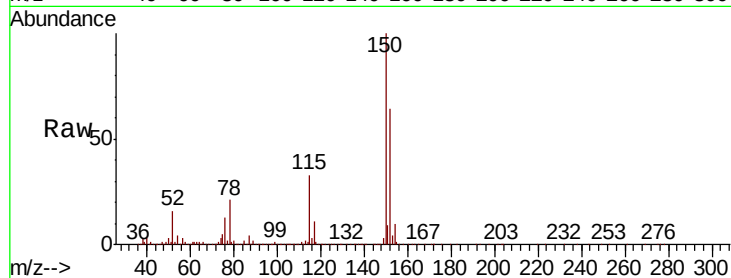
Tgt Ion: 152 Resp: 322255

Ion Ratio Lower Upper

152 100

115 51.8 37.3 111.8

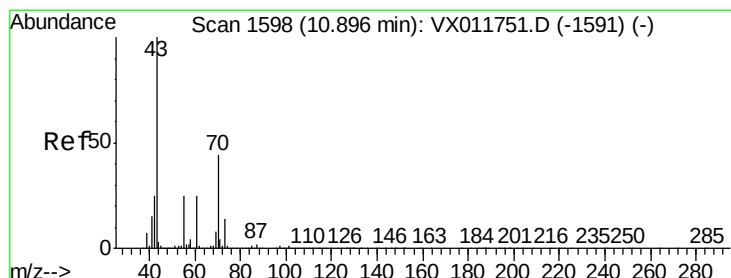
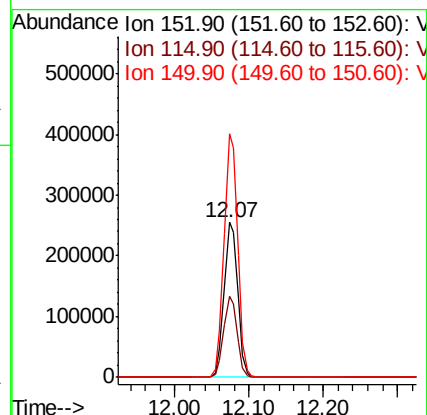
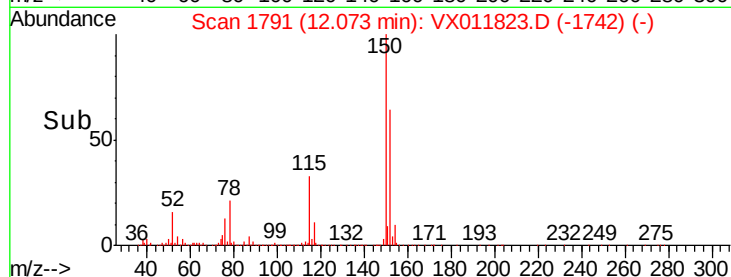
150 156.7 0.0 343.0



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



#74

N-amyl acetate

Concen: 0.381 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011823.D

Acq: 24 Aug 2019 17:02

Tgt Ion: 43 Resp: 2868

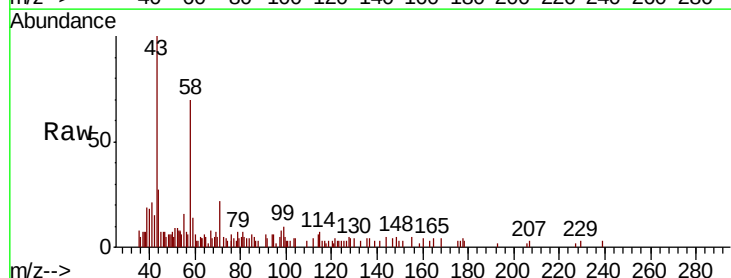
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 10.4 19.5 29.3#

61 12.5 19.8 29.6#

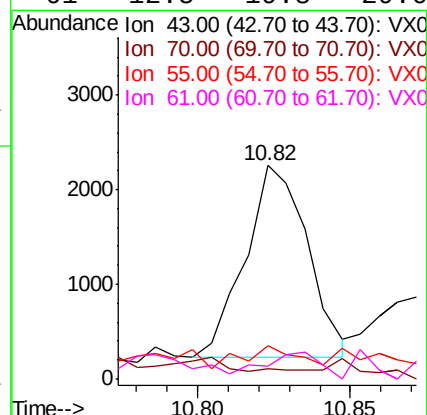
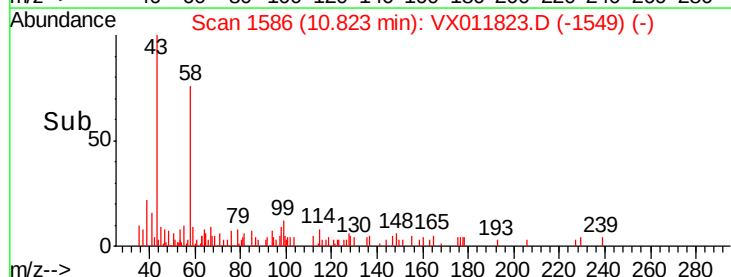


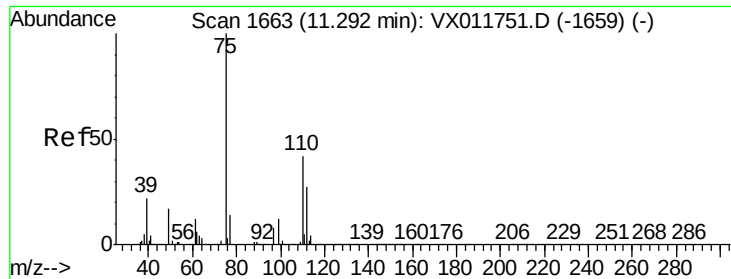
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

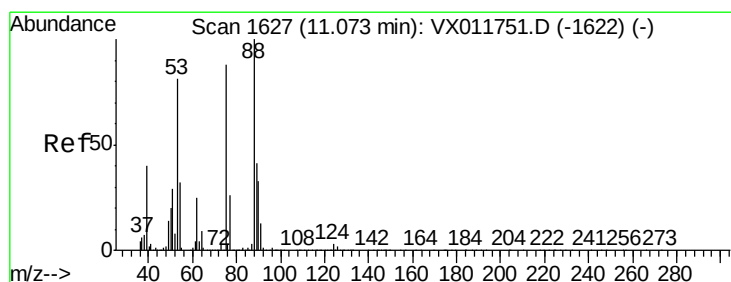
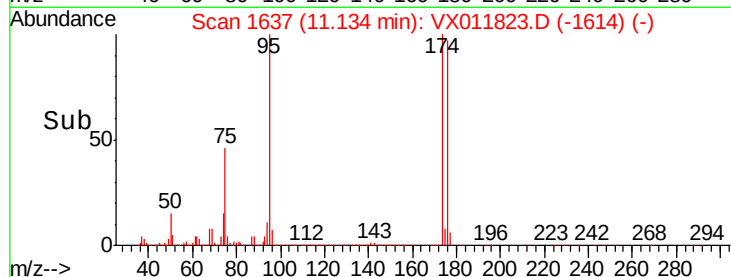
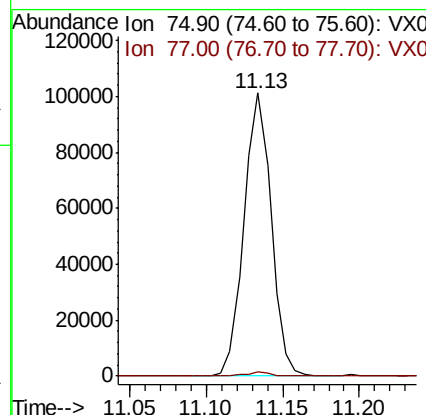
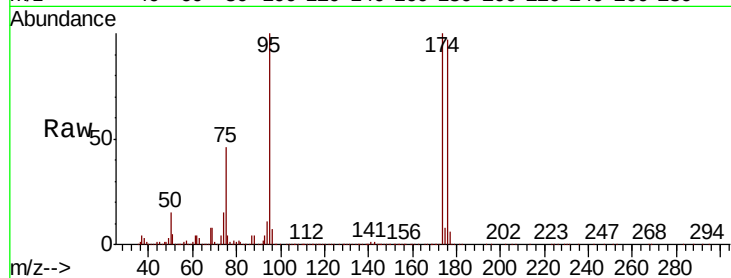




#76
 1,2,3-Trichloropropane
 Concen: 22.052 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011823.D
 Acq: 24 Aug 2019 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-F2-(0)

Tgt Ion: 75 Resp: 124696
 Ion Ratio Lower Upper
 75 100
 77 1.6 21.1 63.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.505 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011823.D
 Acq: 24 Aug 2019 17:02

Tgt Ion: 75 Resp: 124696
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.1 115.7#
 89 0.1 38.5 57.7#

