

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011807.D
 Acq On : 23 Aug 2019 18:48
 Operator : JC/SP
 Sample : K4472-22
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-S1-(2.5)

Quant Time: Aug 26 01:57:39 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	480098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	640722	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	584444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	284772	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	203536	42.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.40%	
35) Dibromofluoromethane	5.49	113	186154	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
50) Toluene-d8	8.71	98	722862	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.13	95	253356	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	

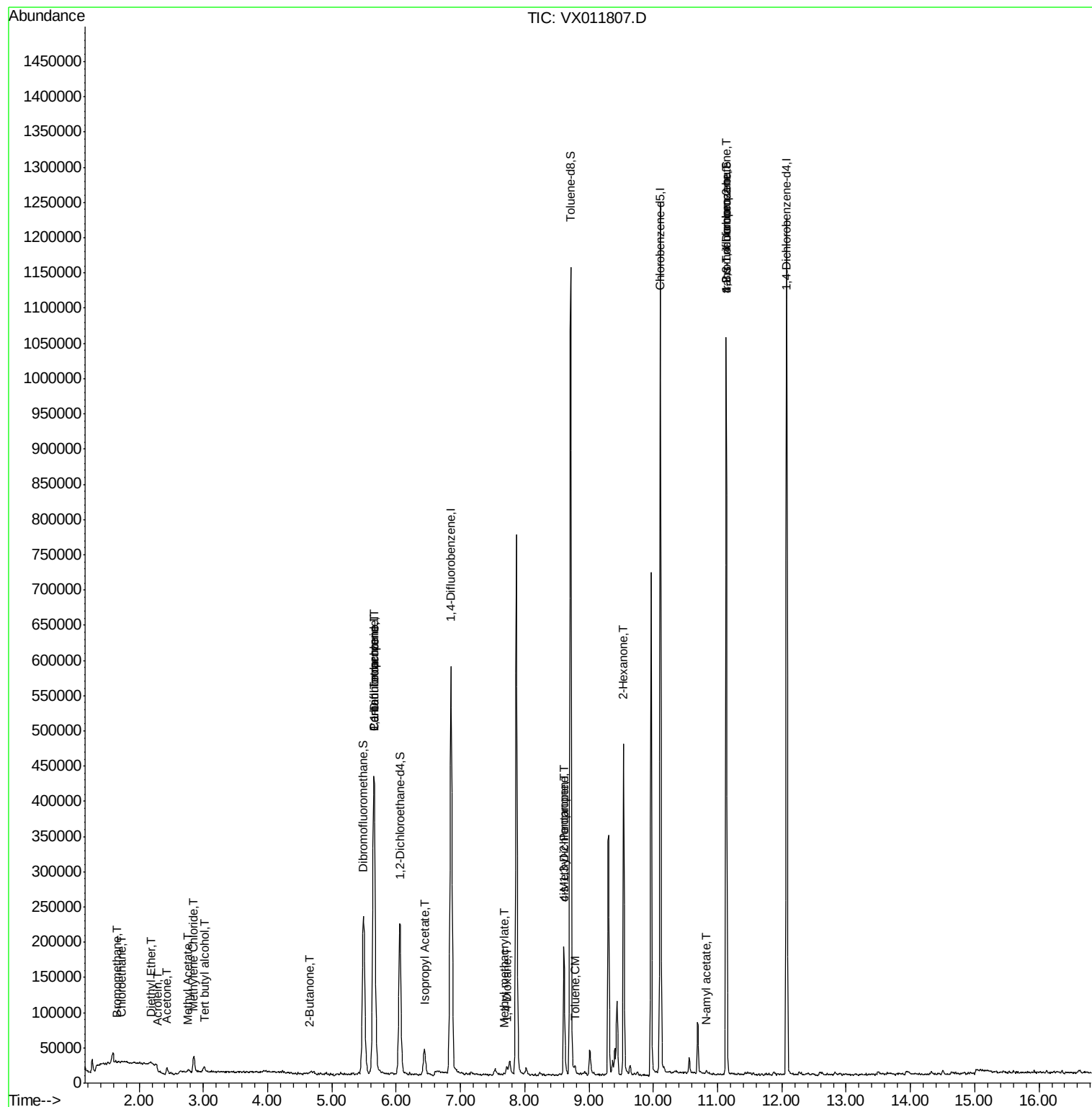
Target Compounds						Qvalue
5) Bromomethane	1.65	94	487	0.225	ug/l #	3
6) Chloroethane	1.72	64	940	0.409	ug/l #	80
8) Diethyl Ether	2.18	74	1417	0.666	ug/l	83
11) Tert butyl alcohol	3.02	59	3932	4.126	ug/l #	81
13) Acrolein	2.29	56	87	0.236	ug/l #	1
16) Acetone	2.43	43	8977	4.279	ug/l	94
18) Methyl Acetate	2.77	43	3783	0.665	ug/l	100
20) Methylene Chloride	2.85	84	12167	2.837	ug/l	94
25) 2-Butanone	4.65	43	613	0.204	ug/l #	59
36) 1,1-Dichloropropene	5.65	75	25554	5.086	ug/l #	52
38) Carbon Tetrachloride	5.65	117	38180	6.705	ug/l #	16
43) Isopropyl Acetate	6.44	43	50459	5.863	ug/l	96
48) Methyl methacrylate	7.68	41	3384	0.790	ug/l #	15
49) 1,4-Dioxane	7.73	88	236	1.989	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	57699	10.175	ug/l #	47
52) Toluene	8.78	92	3520	0.350	ug/l	85
54) cis-1,3-Dichloropropene	8.61	75	28940	4.874	ug/l #	60
59) 2-Hexanone	9.54	43	52441	12.049	ug/l #	52
74) N-amyl acetate	10.82	43	2572	0.387	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	115527	23.120	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	115527	69.725	ug/l #	11

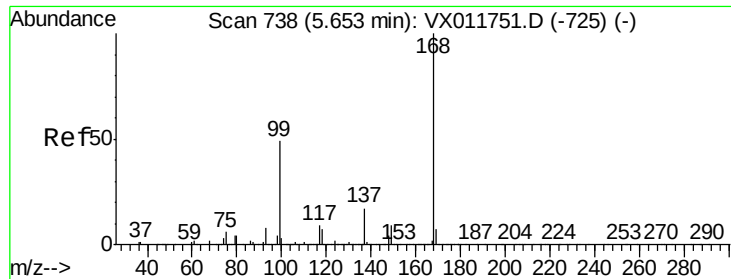
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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T1-S1-(2.5)

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

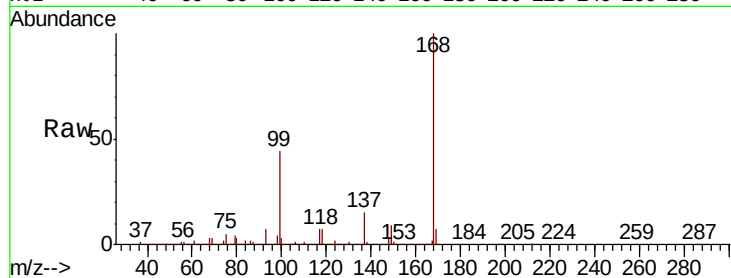
T1-S1-(2.5)

Tgt Ion:168 Resp: 480098

Ion Ratio Lower Upper

168 100

99 44.0 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

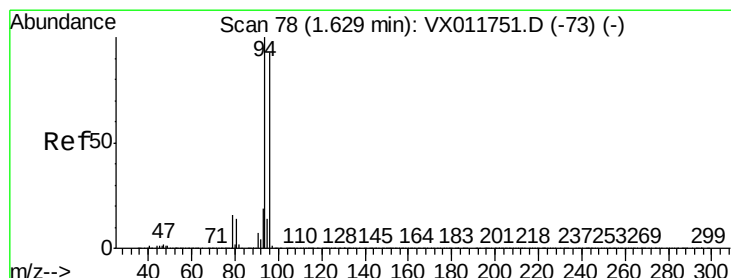
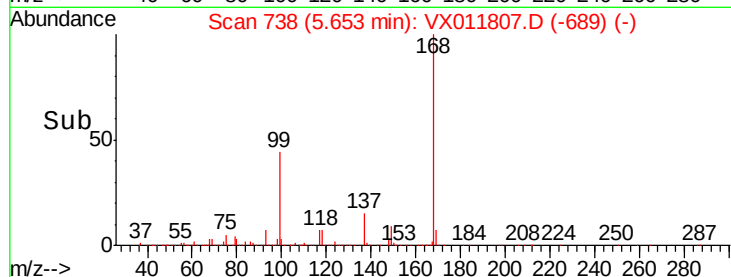
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.225 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011807.D

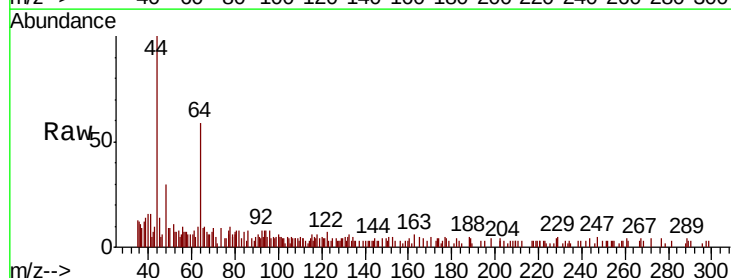
Acq: 23 Aug 2019 18:48

Tgt Ion: 94 Resp: 487

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

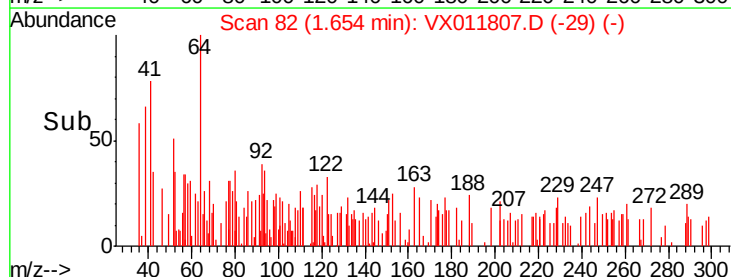
300

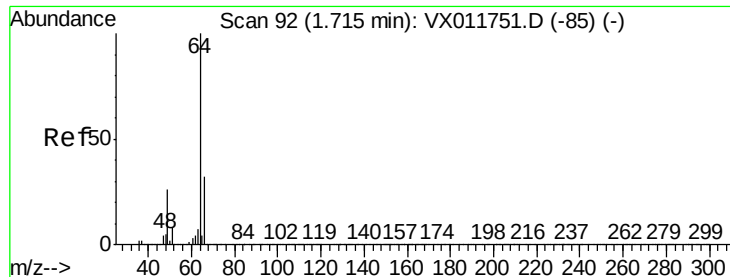
200

100

0

Time-->





#6

Chloroethane

Concen: 0.409 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

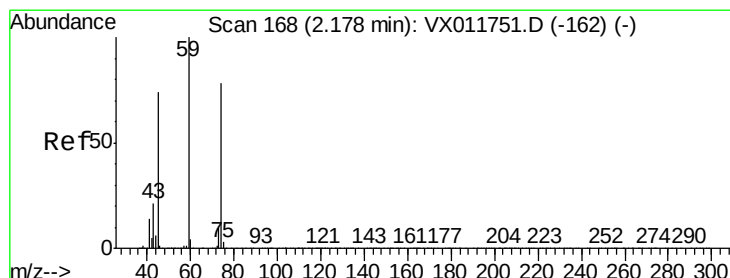
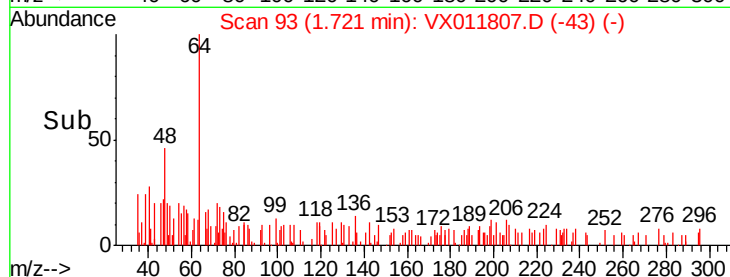
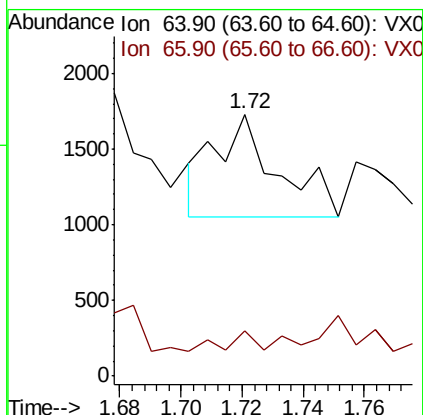
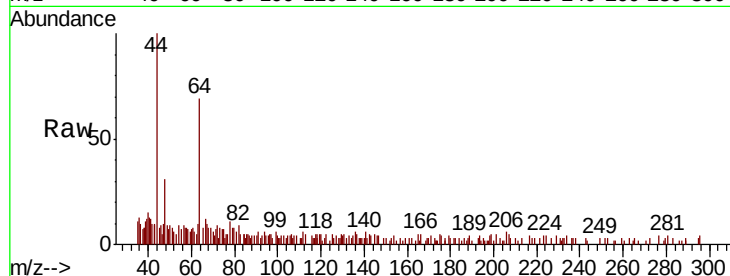
T1-S1-(2.5)

Tgt Ion: 64 Resp: 940

Ion Ratio Lower Upper

64 100

66 20.1 24.9 37.3#



#8

Diethyl Ether

Concen: 0.666 ug/l

RT: 2.18 min Scan# 168

Delta R.T. -0.00 min

Lab File: VX011807.D

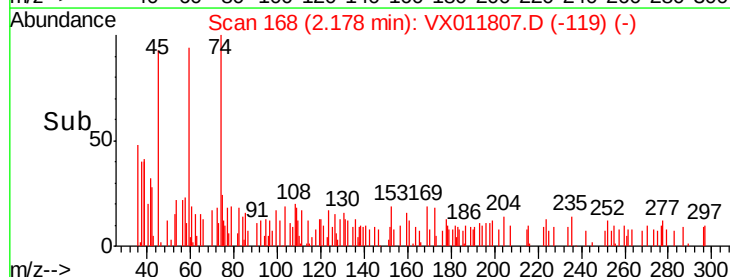
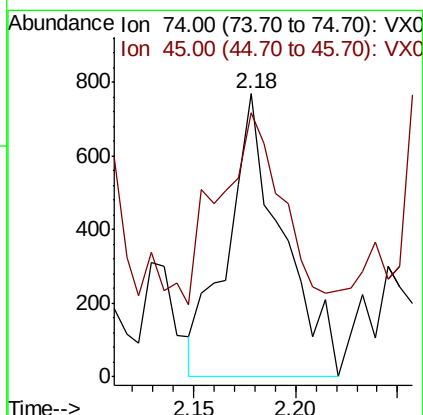
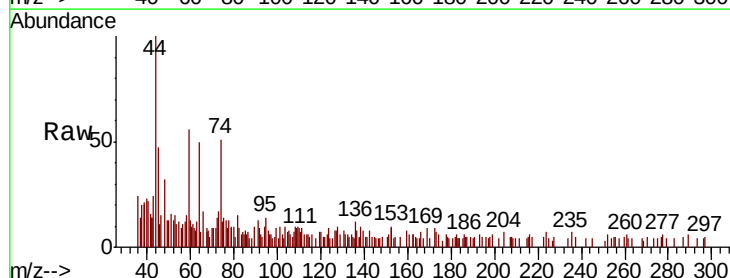
Acq: 23 Aug 2019 18:48

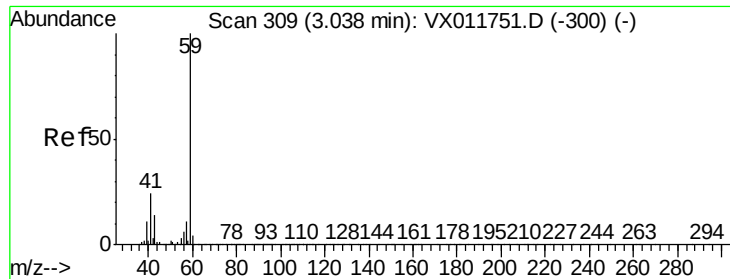
Tgt Ion: 74 Resp: 1417

Ion Ratio Lower Upper

74 100

45 77.2 46.7 140.0

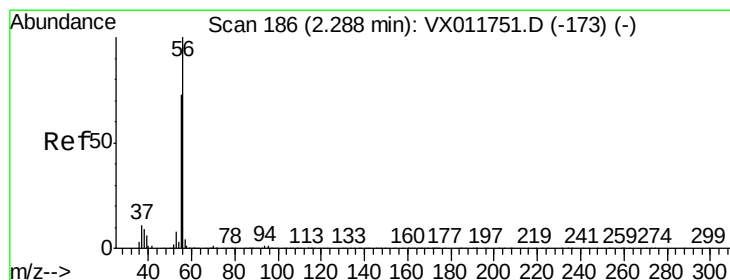
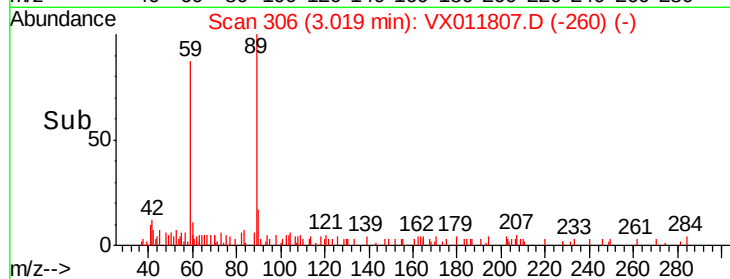
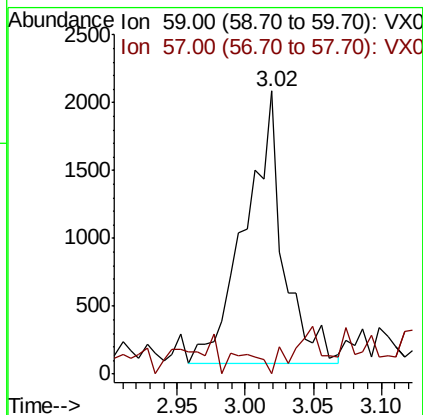
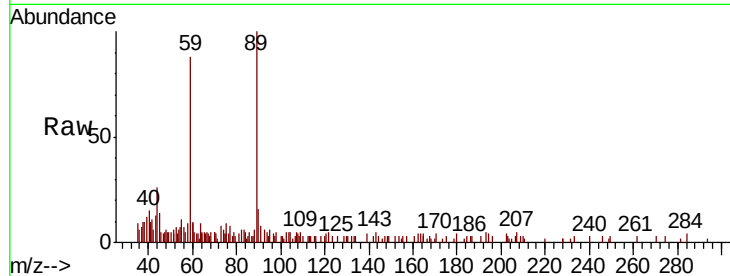




#11
Tert butyl alcohol
Concen: 4.126 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

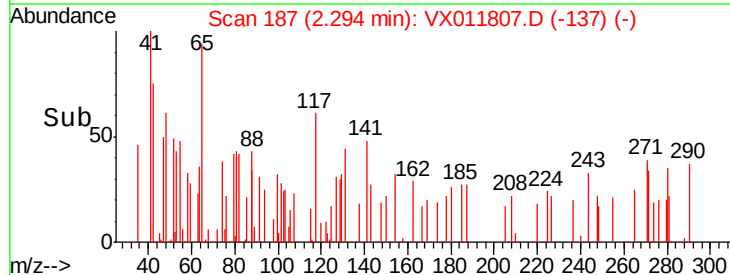
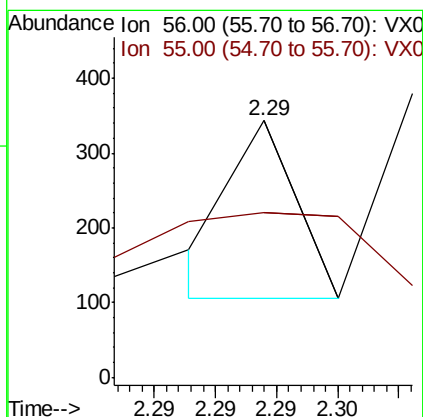
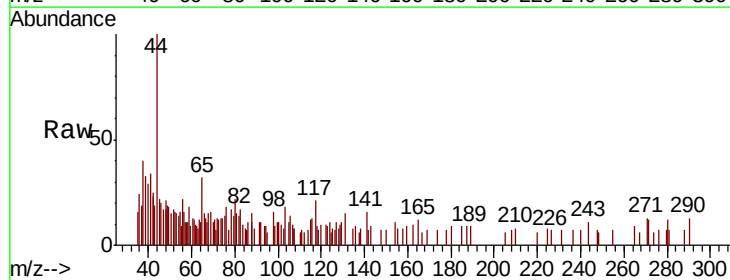
Instrument :
MSVOA_X
ClientSampleId :
T1-S1-(2.5)

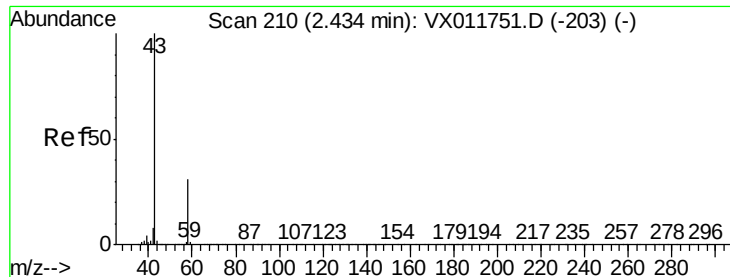
Tgt Ion: 59 Resp: 3932
Ion Ratio Lower Upper
59 100
57 3.5 8.4 12.6#



#13
Acrolein
Concen: 0.236 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.01 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 323.0 54.8 82.2#





#16

Acetone

Concen: 4.279 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

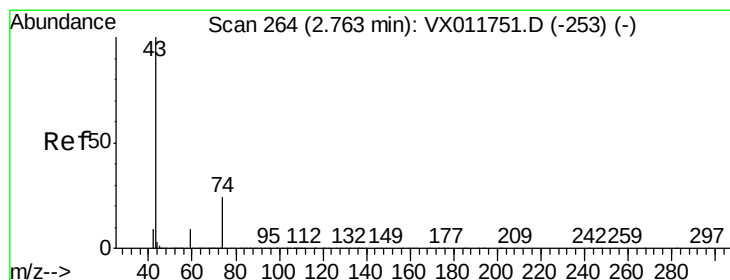
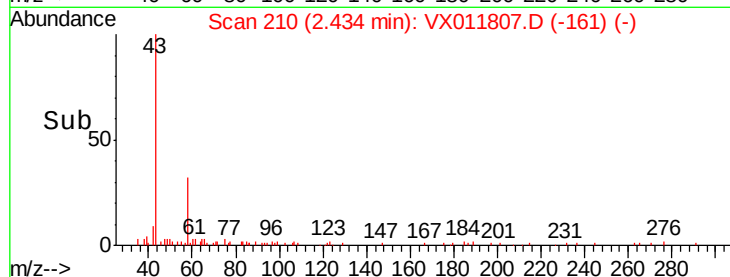
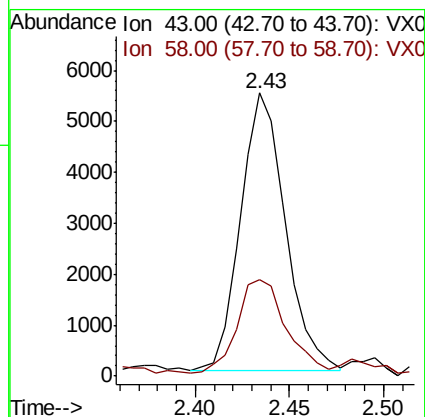
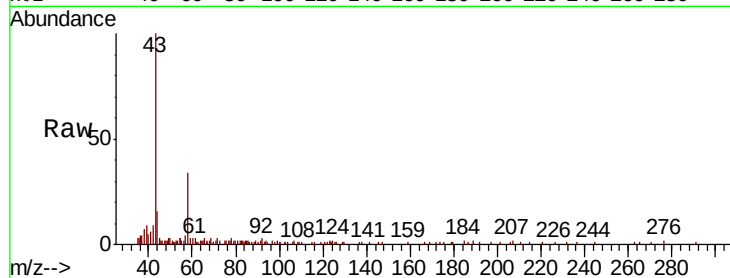
T1-S1-(2.5)

Tgt Ion: 43 Resp: 8977

Ion Ratio Lower Upper

43 100

58 33.7 24.4 36.6



#18

Methyl Acetate

Concen: 0.665 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011807.D

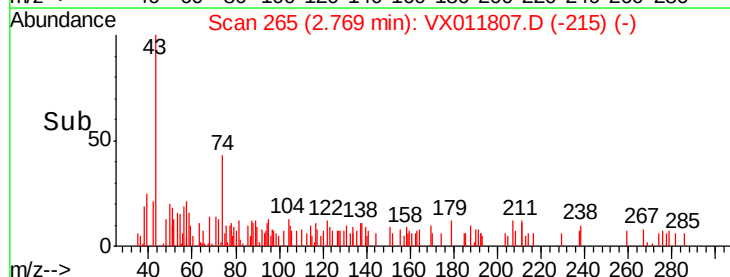
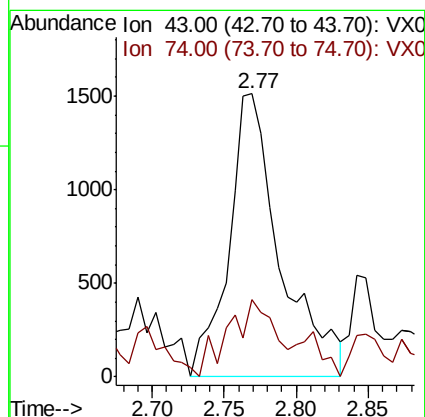
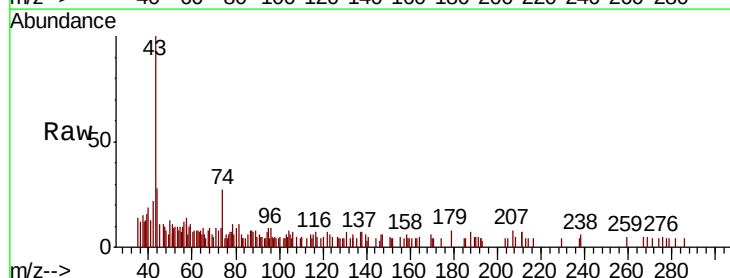
Acq: 23 Aug 2019 18:48

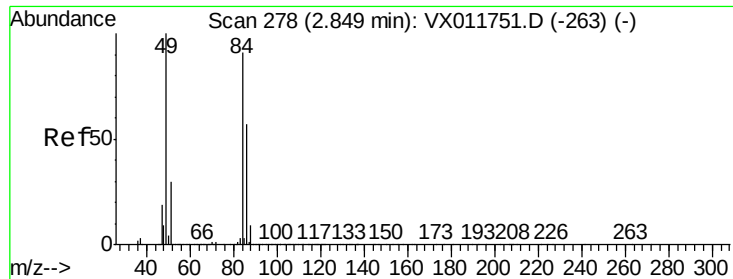
Tgt Ion: 43 Resp: 3783

Ion Ratio Lower Upper

43 100

74 24.2 19.5 29.3

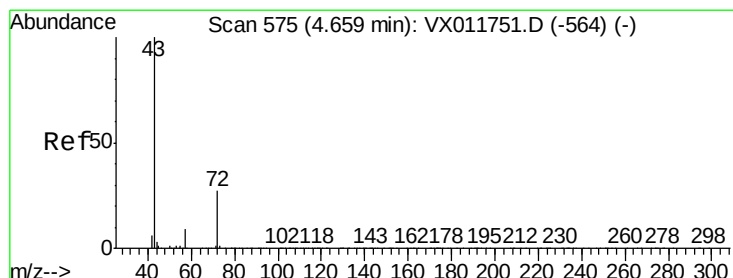
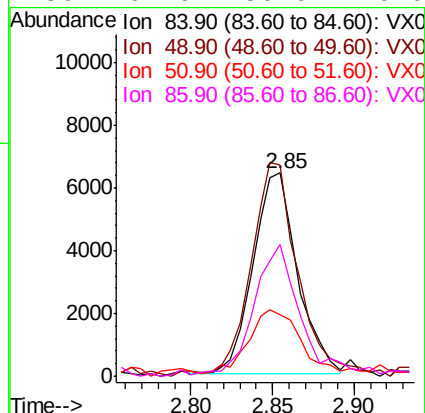
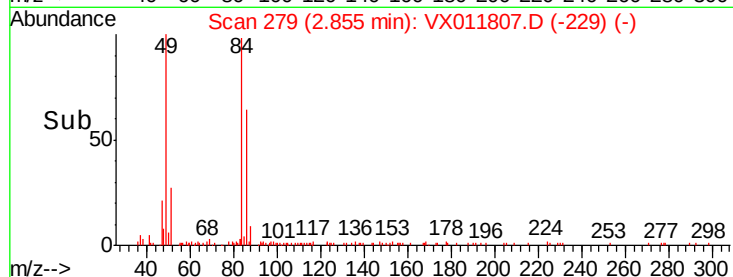
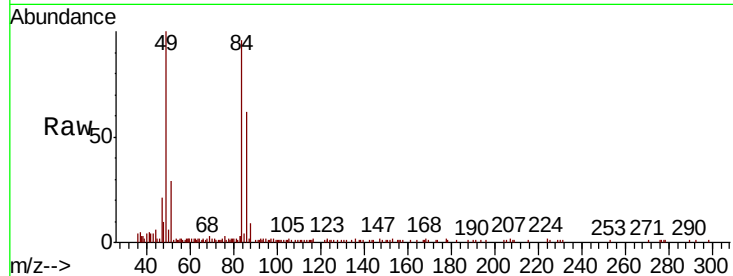




#20
Methylene Chloride
Concen: 2.837 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

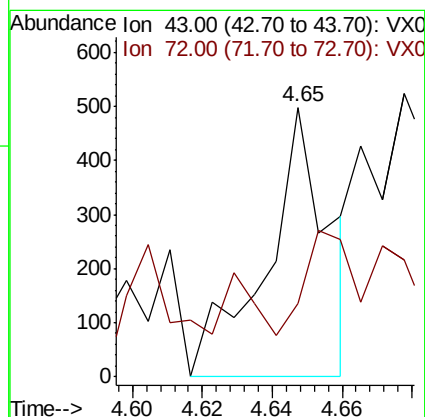
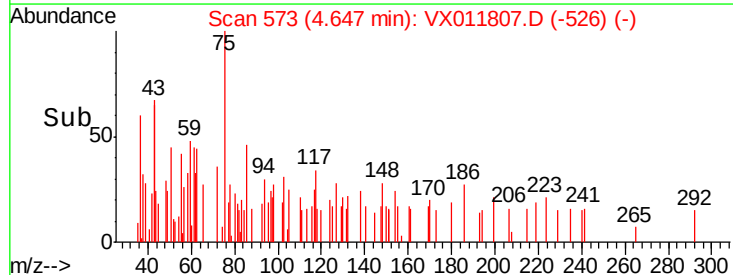
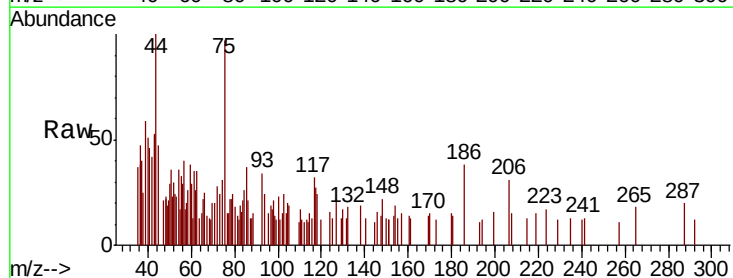
Instrument :
MSVOA_X
ClientSampled :
T1-S1-(2.5)

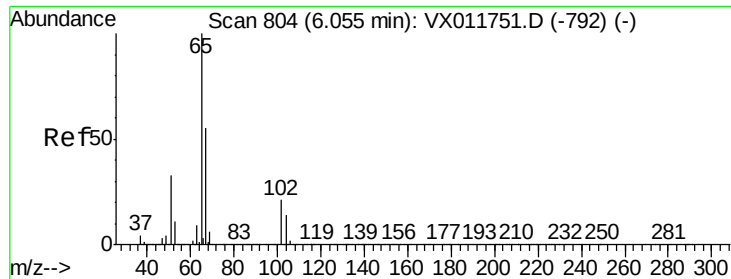
Tgt Ion:	84	Resp:	12167
Ion	Ratio	Lower	Upper
84	100		
49	102.4	88.3	132.5
51	27.7	26.2	39.2
86	64.6	50.6	76.0



#25
2-Butanone
Concen: 0.204 ug/l
RT: 4.65 min Scan# 573
Delta R.T. -0.01 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

Tgt Ion:	43	Resp:	613
Ion	Ratio	Lower	Upper
43	100		
72	5.8	21.8	32.6#

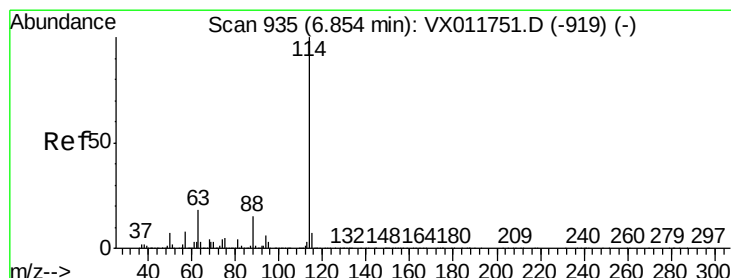
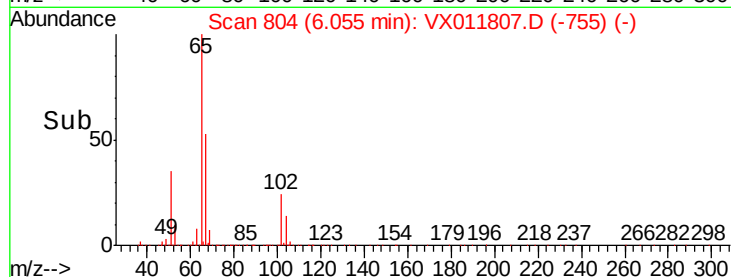
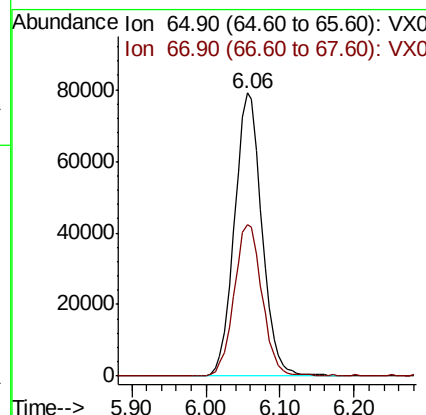
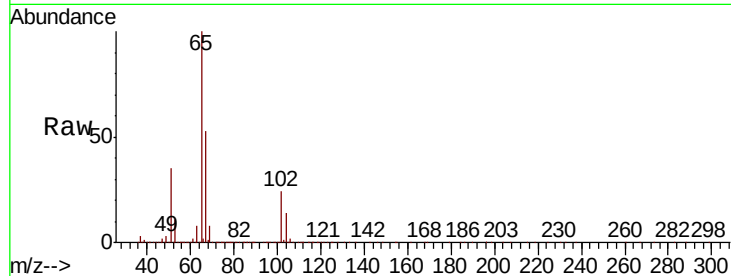




#33
 1,2-Dichloroethane-d4
 Concen: 42.202 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011807.D
 Acq: 23 Aug 2019 18:48

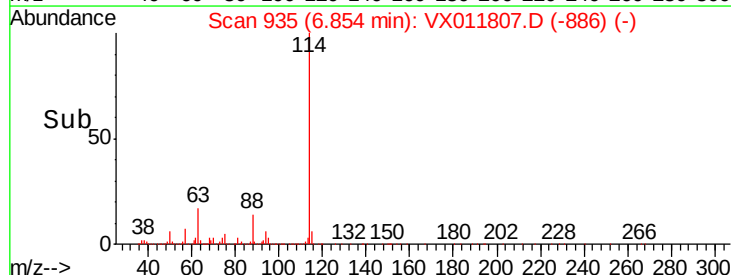
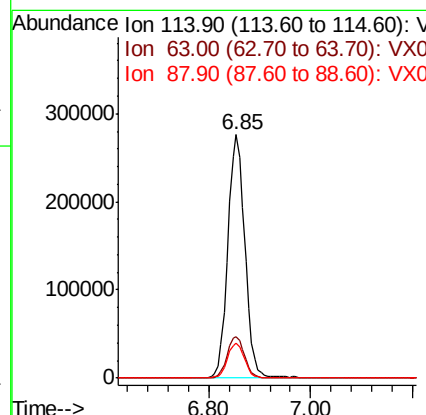
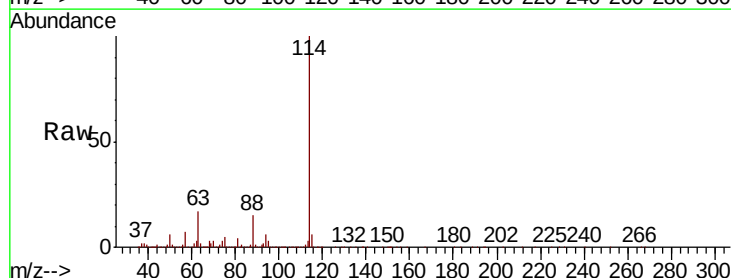
Instrument :
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 ClientSampleId :
 T1-S1-(2.5)

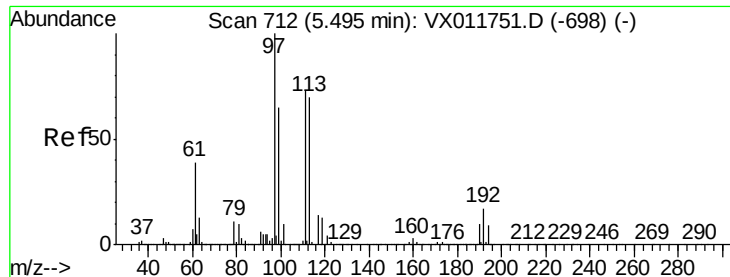
Tgt Ion: 65 Resp: 203536
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011807.D
 Acq: 23 Aug 2019 18:48

Tgt Ion: 114 Resp: 640722
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.8
 88 14.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 44.930 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

T1-S1-(2.5)

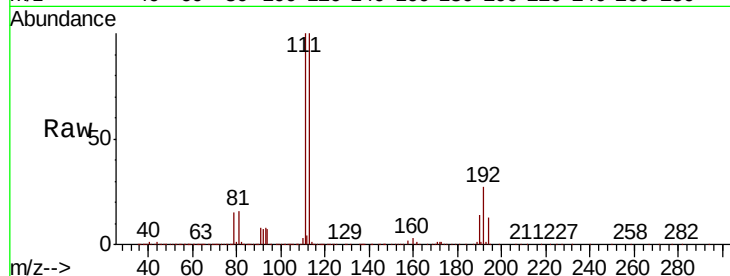
Tgt Ion:113 Resp: 186154

Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.4

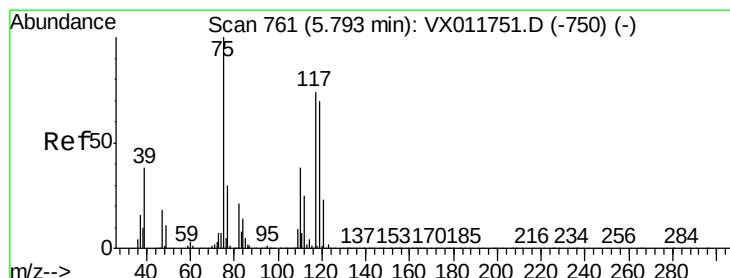
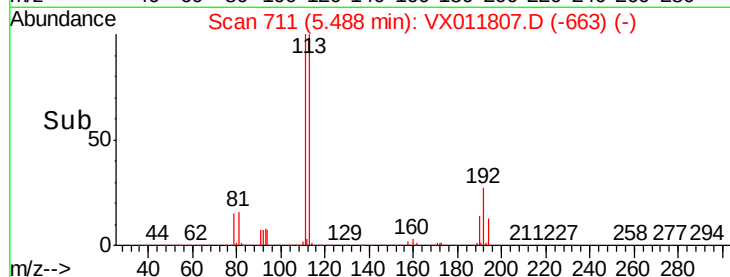
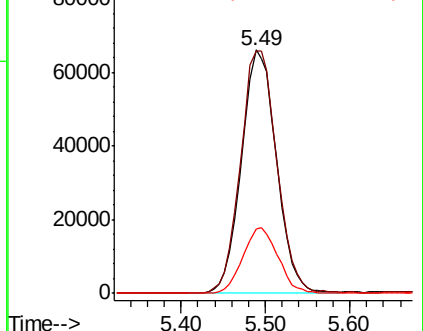
192 27.2 19.9 29.9



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: 5.086 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

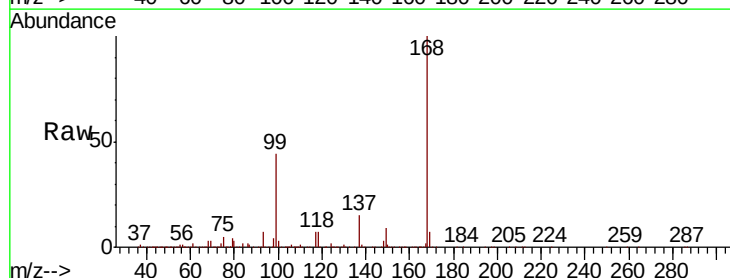
Tgt Ion: 75 Resp: 25554

Ion Ratio Lower Upper

75 100

110 12.7 19.0 57.0#

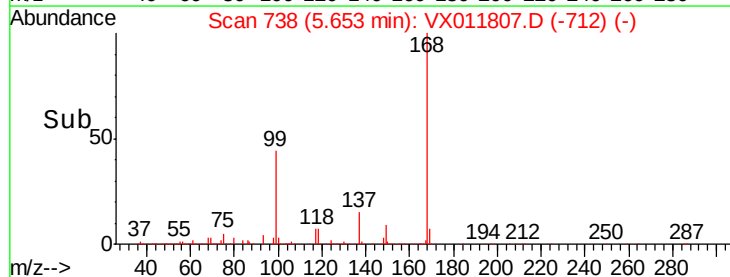
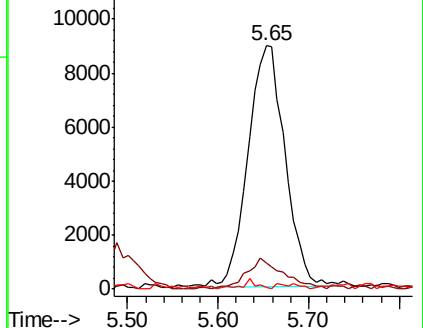
77 0.7 24.6 36.8#

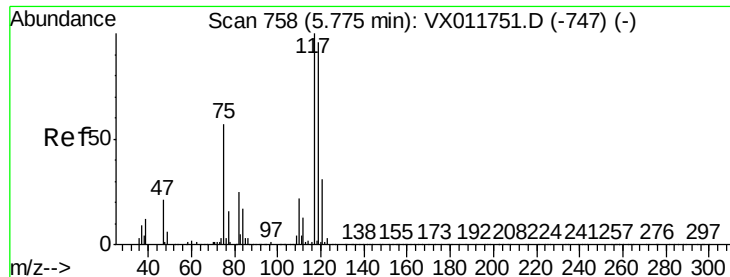


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.705 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

T1-S1-(2.5)

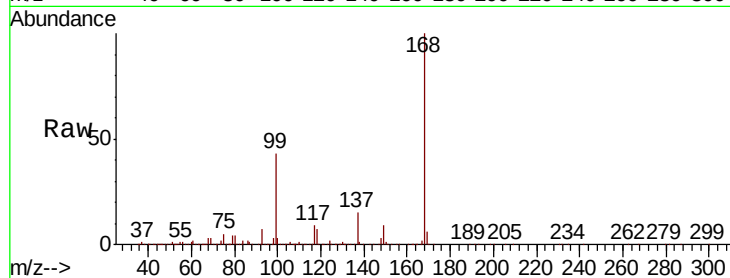
Tgt Ion: 117 Resp: 38180

Ion Ratio Lower Upper

117 100

119 4.5 76.6 114.8#

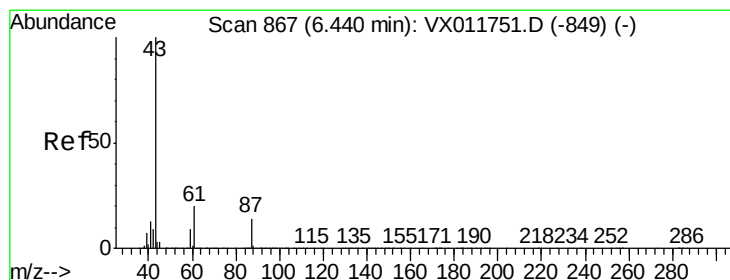
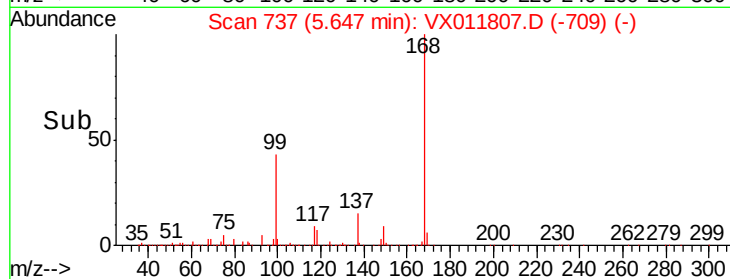
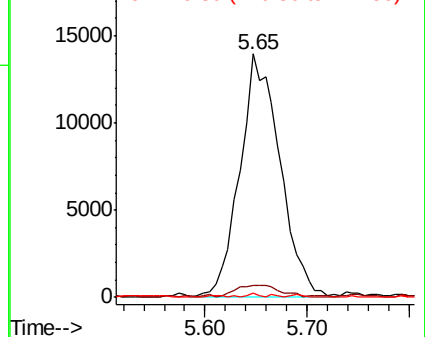
121 1.2 25.2 37.8#



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: 5.863 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

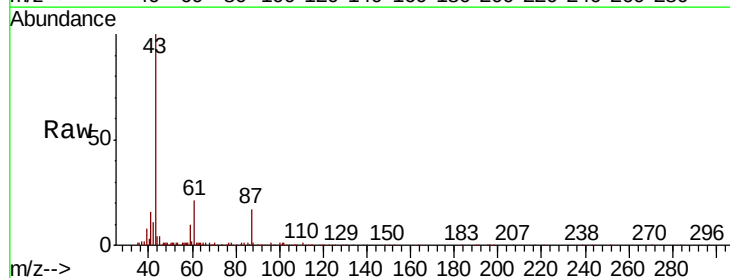
Tgt Ion: 43 Resp: 50459

Ion Ratio Lower Upper

43 100

61 21.2 16.2 24.2

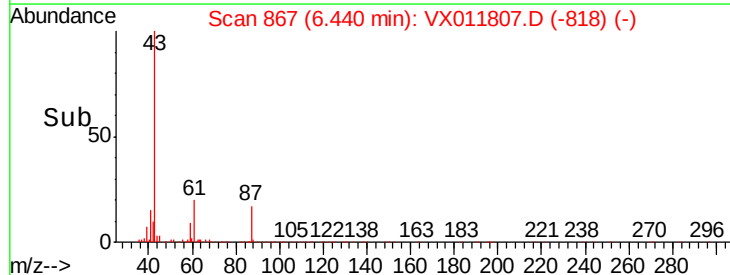
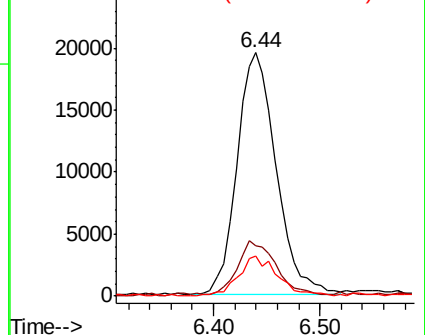
87 16.7 11.6 17.4

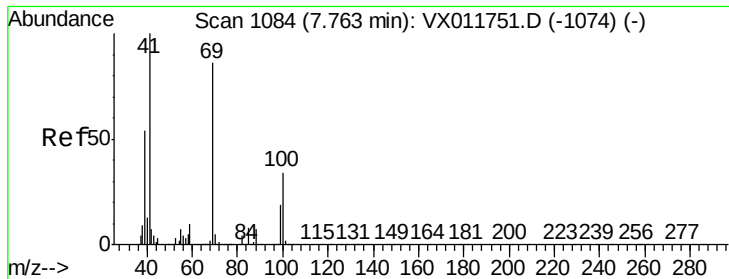


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

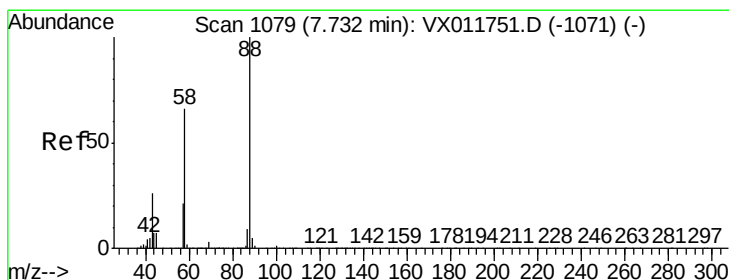
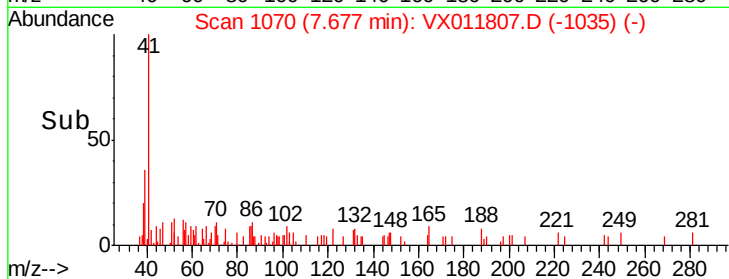
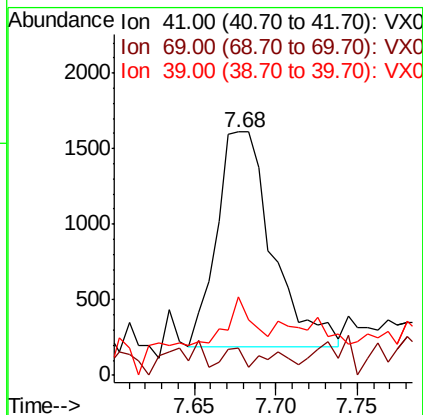
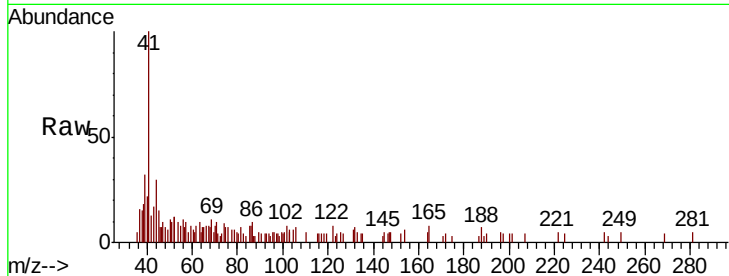




#48
Methyl methacrylate
Concen: 0.790 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

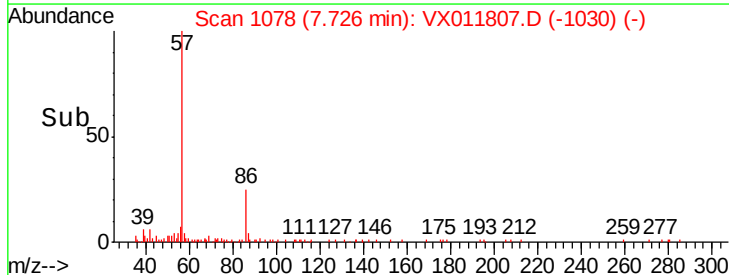
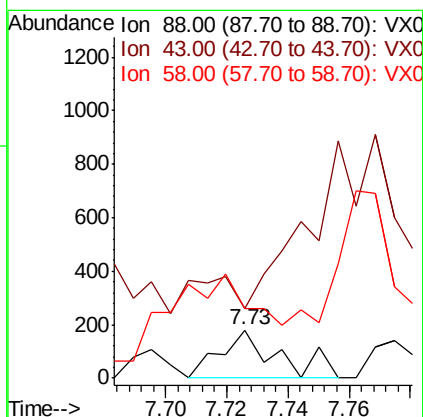
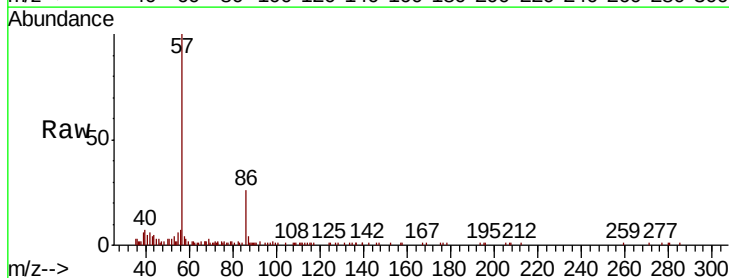
Instrument :
MSVOA_X
ClientSampleId :
T1-S1-(2.5)

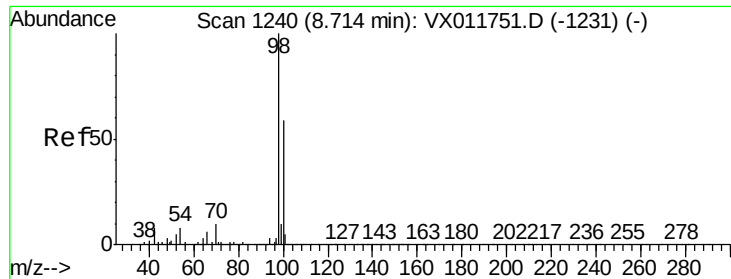
Tgt Ion: 41 Resp: 3384
Ion Ratio Lower Upper
41 100
69 2.6 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 1.989 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 269.5 51.4 77.2#

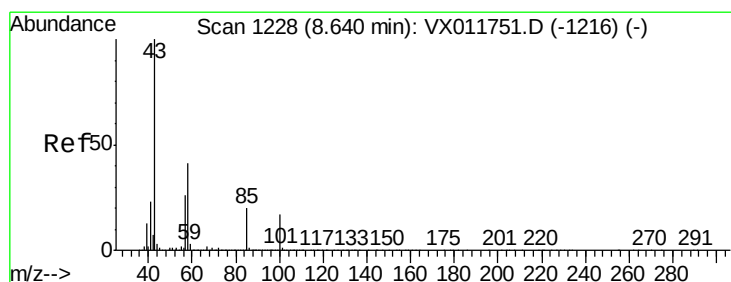
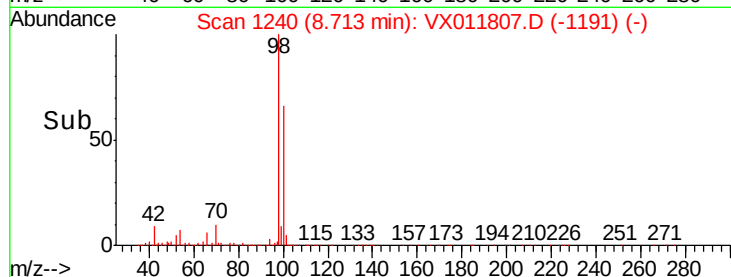
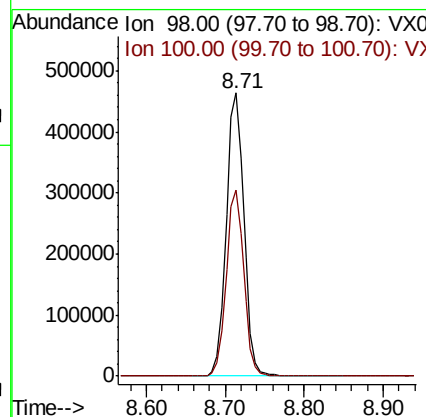
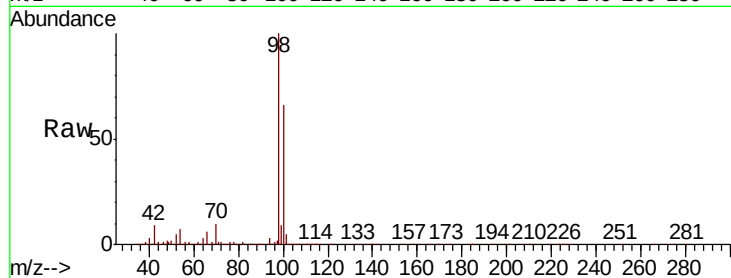




#50
Toluene-d8
Concen: 50.020 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

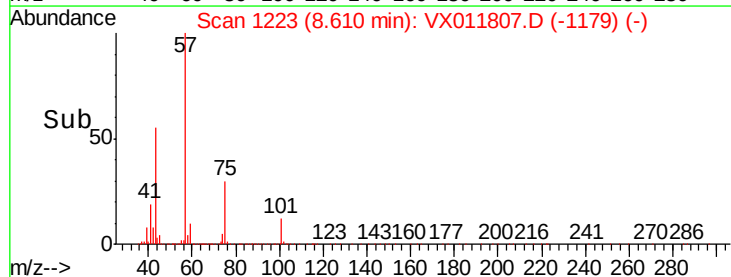
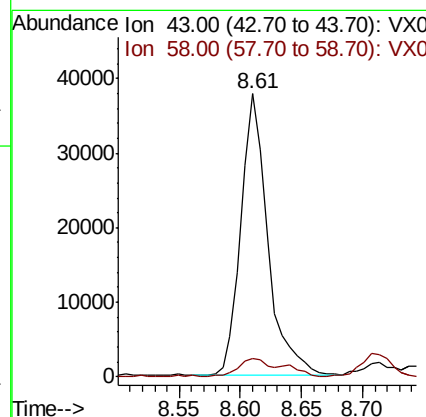
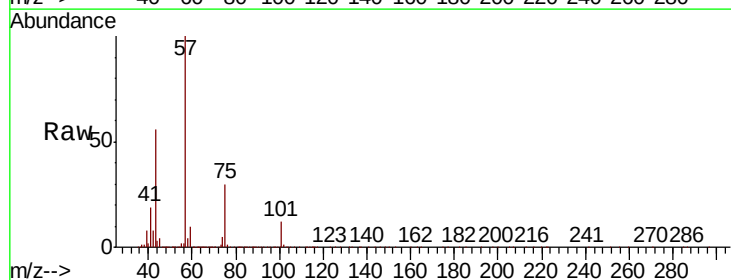
Instrument :
MSVOA_X
ClientSampleId :
T1-S1-(2.5)

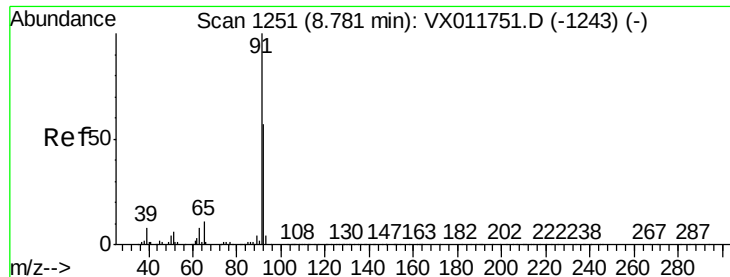
Tgt Ion: 98 Resp: 722862
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 10.175 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

Tgt Ion: 43 Resp: 57699
Ion Ratio Lower Upper
43 100
58 6.9 31.8 47.6#





#52

Toluene

Concen: 0.350 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

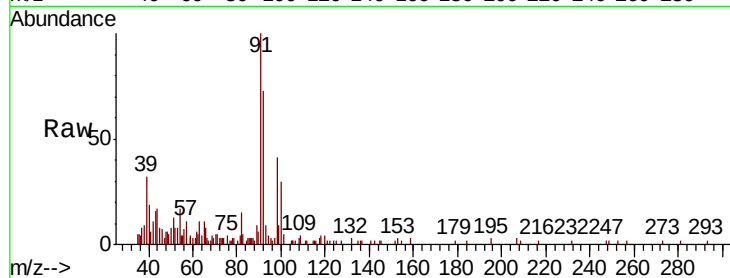
T1-S1-(2.5)

Tgt Ion: 92 Resp: 3520

Ion Ratio Lower Upper

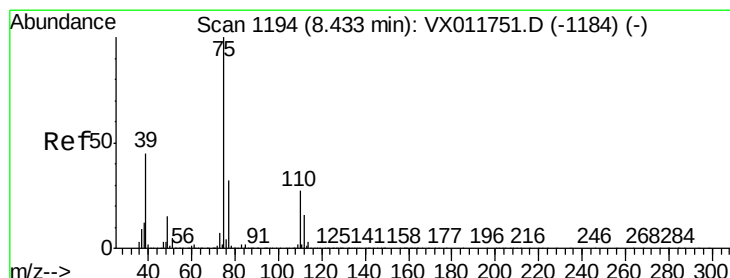
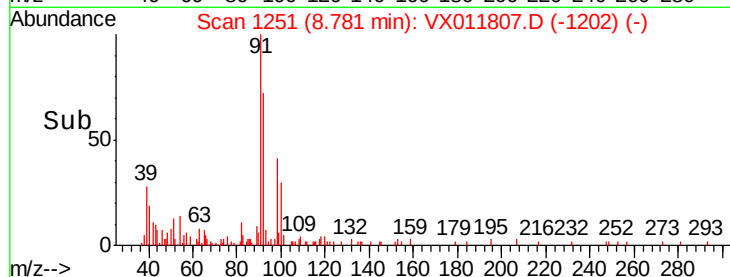
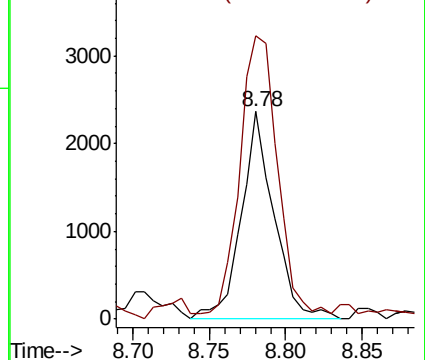
92 100

91 152.0 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 4.874 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

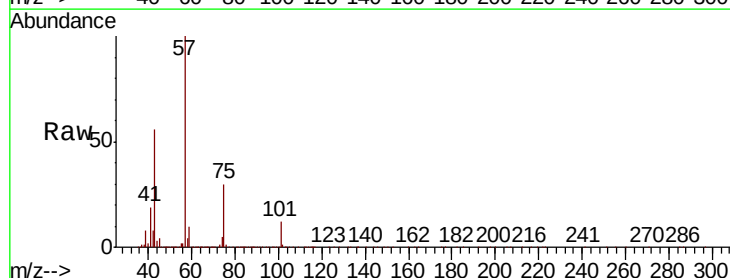
Tgt Ion: 75 Resp: 28940

Ion Ratio Lower Upper

75 100

77 1.1 25.4 38.2#

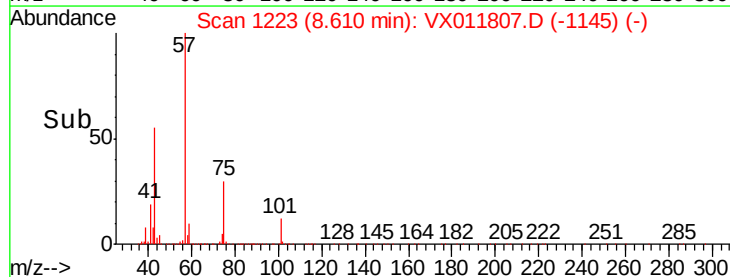
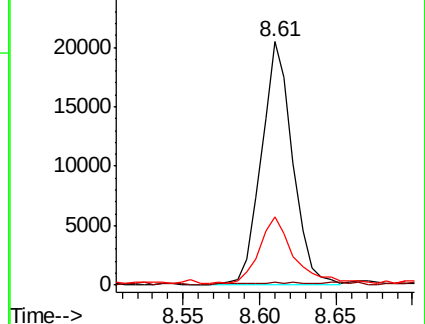
39 26.4 36.2 54.4#

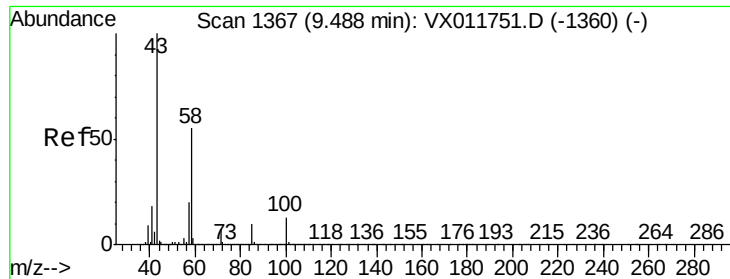


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

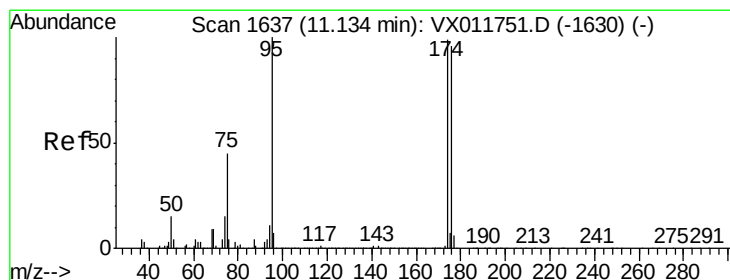
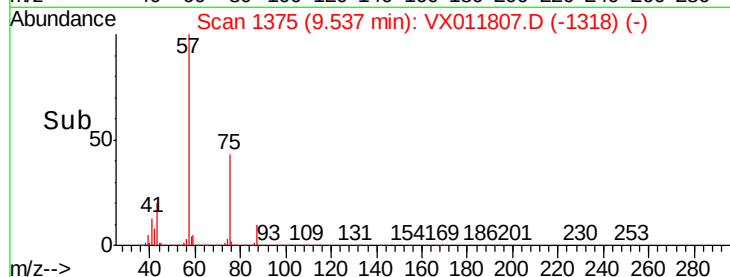
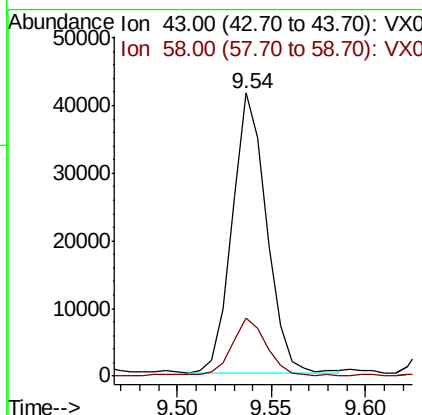
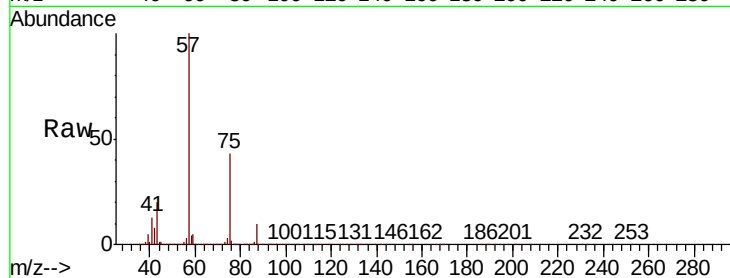




#59
2-Hexanone
Concen: 12.049 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

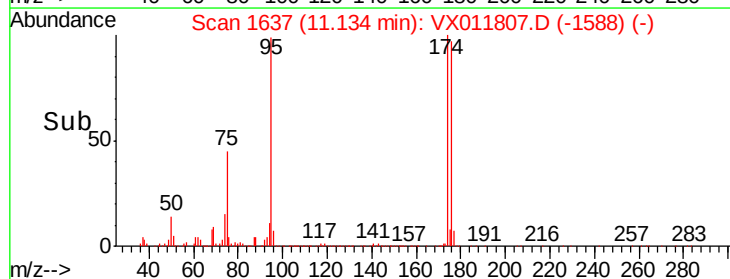
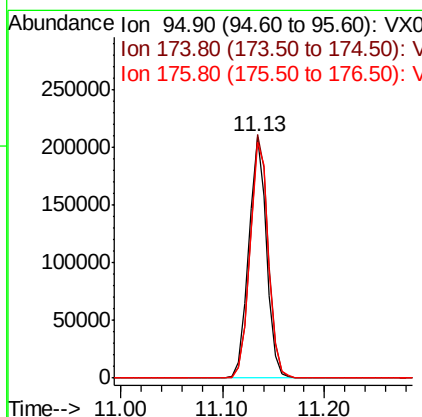
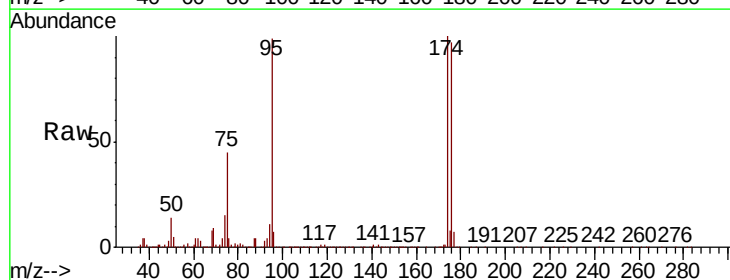
Instrument :
MSVOA_X
ClientSampleId :
T1-S1-(2.5)

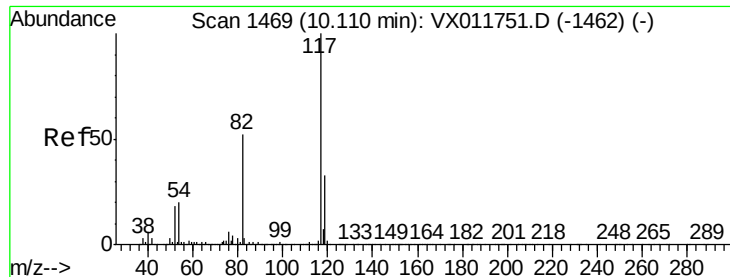
Tgt Ion: 43 Resp: 52441
Ion Ratio Lower Upper
43 100
58 20.3 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 44.354 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

Tgt Ion: 95 Resp: 253356
Ion Ratio Lower Upper
95 100
174 103.5 0.0 197.4
176 102.0 0.0 194.4

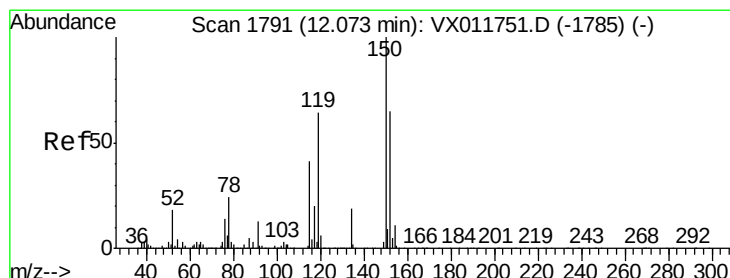
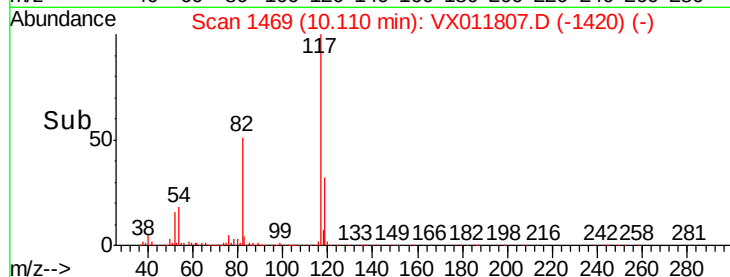
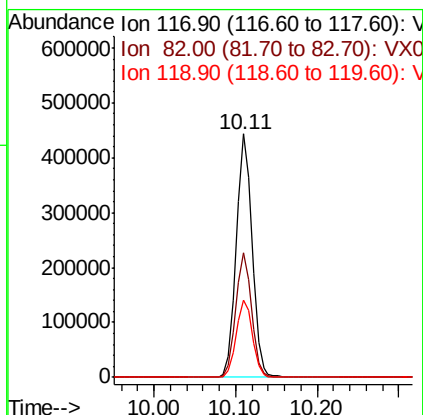
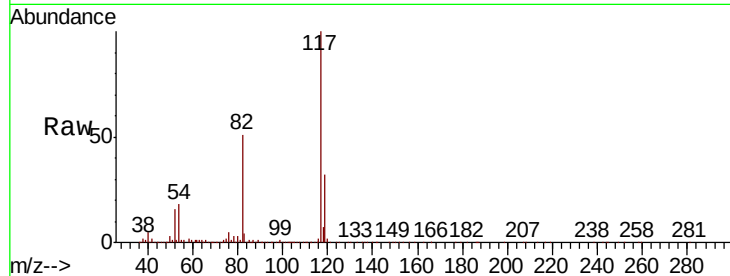




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

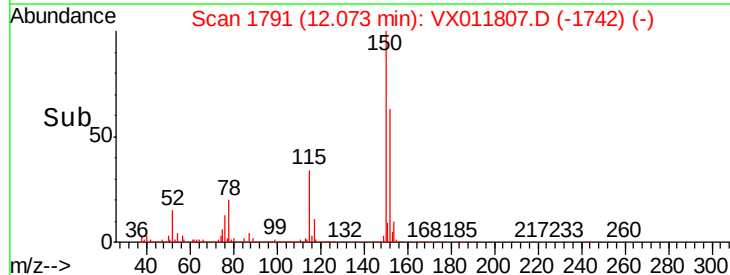
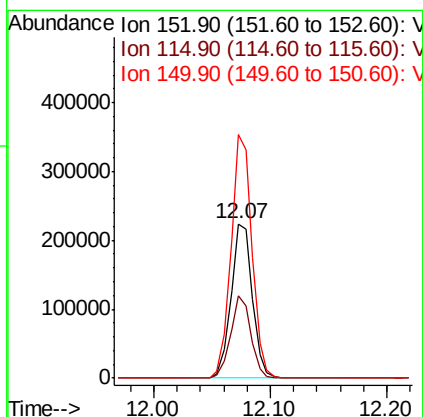
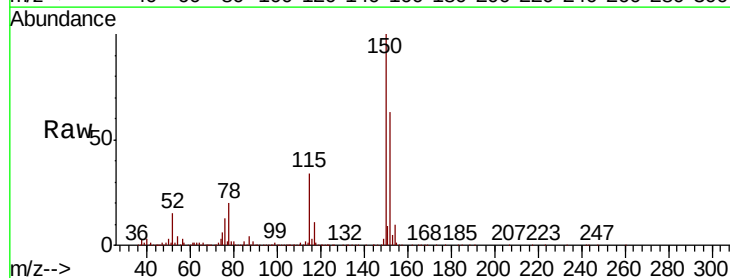
Instrument :
MSVOA_X
ClientSampleId :
T1-S1-(2.5)

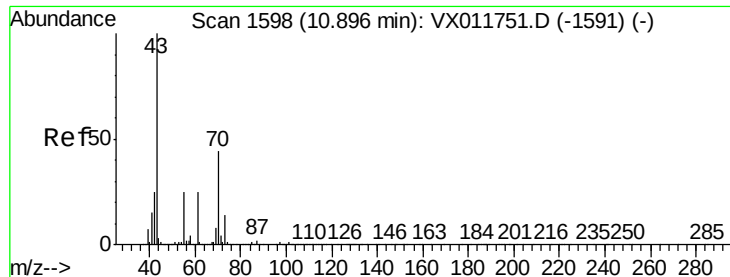
Tgt Ion:117 Resp: 584444
Ion Ratio Lower Upper
117 100
82 51.3 41.7 62.5
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011807.D
Acq: 23 Aug 2019 18:48

Tgt Ion:152 Resp: 284772
Ion Ratio Lower Upper
152 100
115 50.7 37.3 111.8
150 155.0 0.0 343.0





#74

N-amyI acetate

Concen: 0.387 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

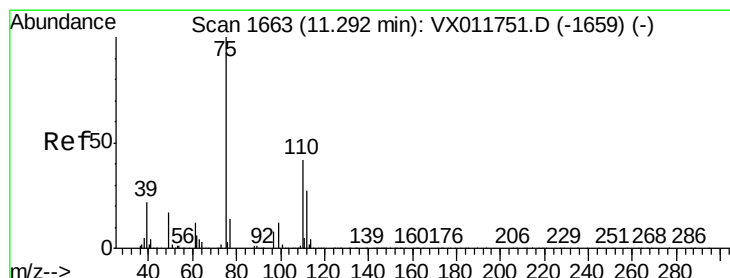
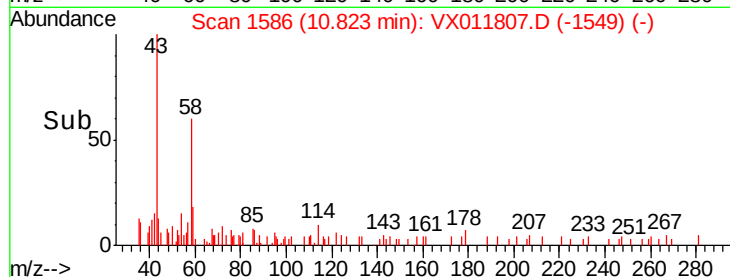
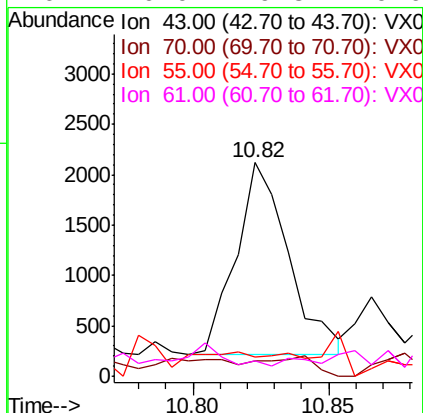
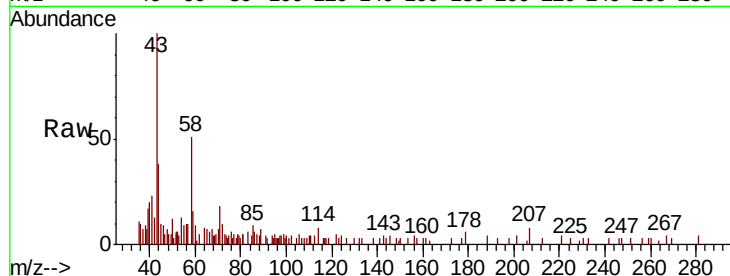
Instrument :

MSVOA_X

ClientSampleId :

T1-S1-(2.5)

Tgt Ion:	43	Resp:	2572
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.8	52.2#
55	7.3	19.5	29.3#
61	0.0	19.8	29.6#



#76

1,2,3-Trichloropropane

Concen: 23.120 ug/l

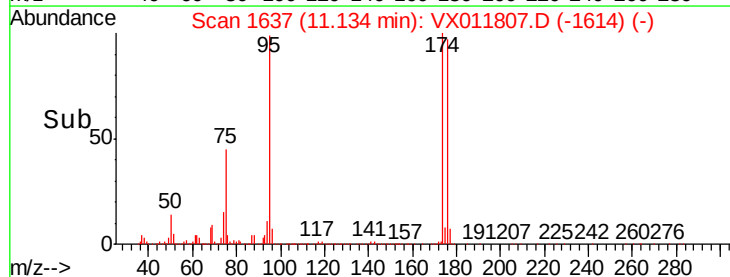
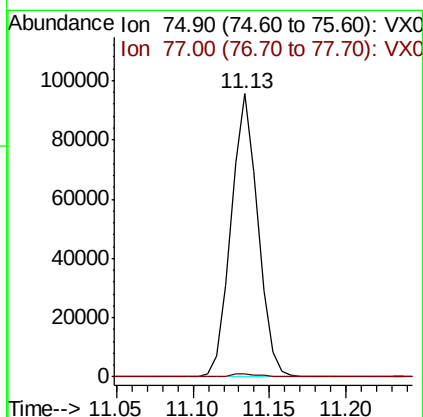
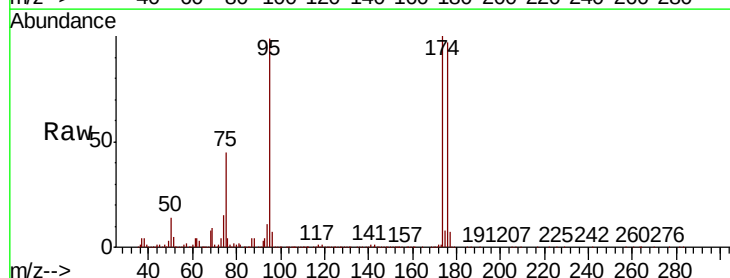
RT: 11.13 min Scan# 1637

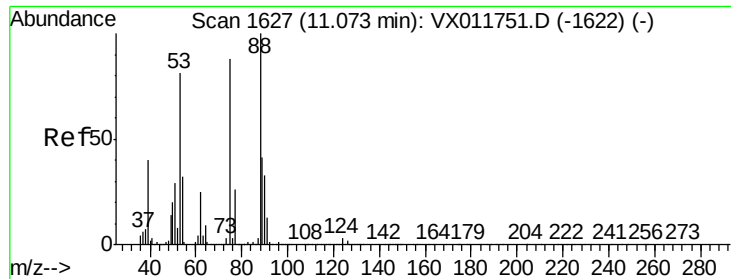
Delta R.T. -0.16 min

Lab File: VX011807.D

Acq: 23 Aug 2019 18:48

Tgt Ion:	75	Resp:	115527
Ion	Ratio	Lower	Upper
75	100		
77	1.5	21.1	63.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.725 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011807.D
 Acq: 23 Aug 2019 18:48

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-S1-(2.5)

Tgt Ion: 75 Resp: 115527
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.3 38.5 57.7#

