

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011760.D
 Acq On : 22 Aug 2019 14:34
 Operator : JC/SP
 Sample : K4388-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B4-(2)

Quant Time: Aug 23 02:01:18 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	5.66	168	452560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	627820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	559331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264796	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	213573	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
35) Dibromofluoromethane	5.49	113	185485	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
50) Toluene-d8	8.71	98	710869	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.13	95	244783	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	

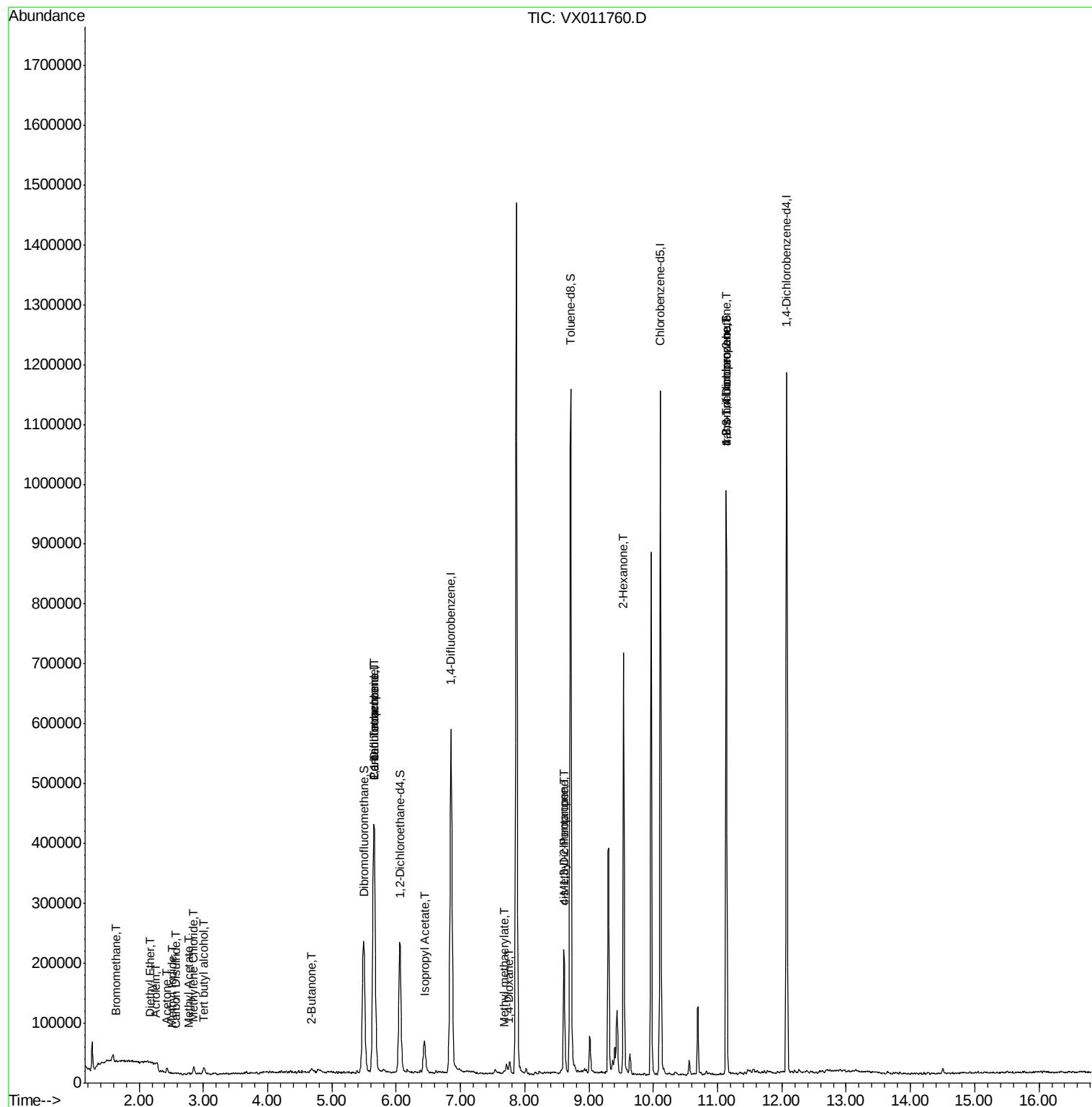
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	410	0.201	ug/l #	69
8) Diethyl Ether	2.18	74	414	0.207	ug/l	93
10) Methyl Iodide	2.52	142	958	0.215	ug/l	97
11) Tert butyl alcohol	3.01	59	7357	8.189	ug/l #	72
13) Acrolein	2.26	56	203	0.585	ug/l #	81
16) Acetone	2.43	43	11043	5.584	ug/l	95
17) Carbon Disulfide	2.57	76	2046	0.227	ug/l #	2
18) Methyl Acetate	2.77	43	3322	0.619	ug/l #	77
20) Methylene Chloride	2.85	84	5755	1.423	ug/l	92
25) 2-Butanone	4.68	43	1711	0.603	ug/l #	60
36) 1,1-Dichloropropene	5.65	75	27004	5.485	ug/l #	50
38) Carbon Tetrachloride	5.65	117	39302	7.044	ug/l #	17
43) Isopropyl Acetate	6.44	43	73586	8.726	ug/l	96
48) Methyl methacrylate	7.67	41	4789	1.141	ug/l #	13
49) 1,4-Dioxane	7.74	88	546	4.696	ug/l #	28
51) 4-Methyl-2-Pentanone	8.61	43	70234	12.640	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	32937	5.661	ug/l #	63
59) 2-Hexanone	9.54	43	82336	19.306	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	112450	24.202	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	112450	72.988	ug/l #	11

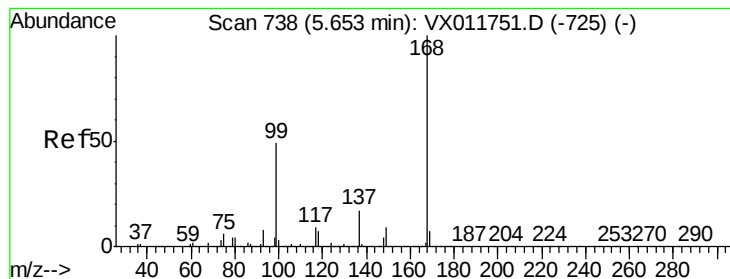
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

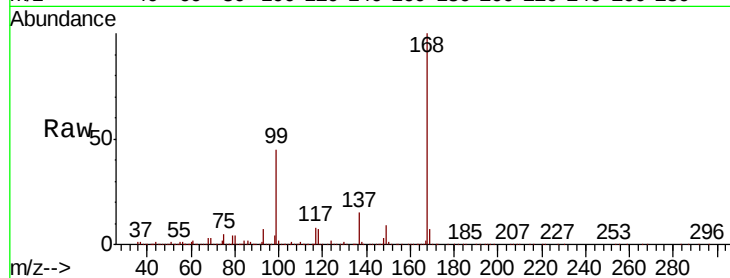
T4-B4-(2)

Tgt Ion:168 Resp: 452560

Ion Ratio Lower Upper

168 100

99 44.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

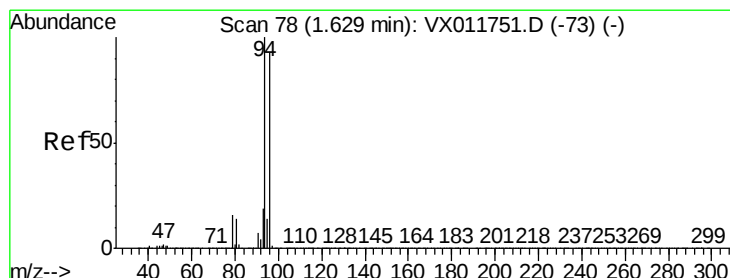
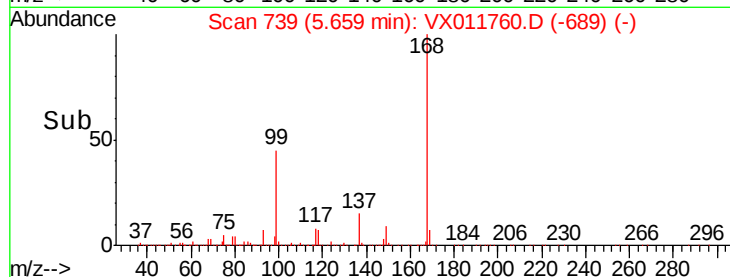
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011760.D

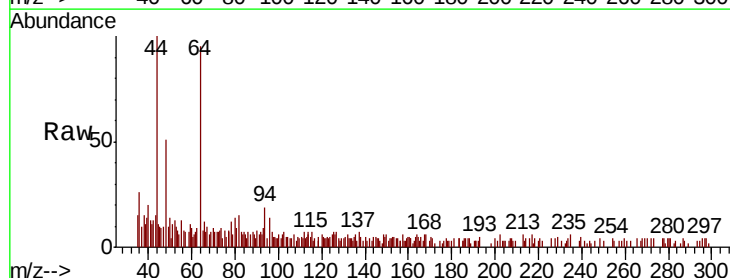
Acq: 22 Aug 2019 14:34

Tgt Ion: 94 Resp: 410

Ion Ratio Lower Upper

94 100

96 62.9 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

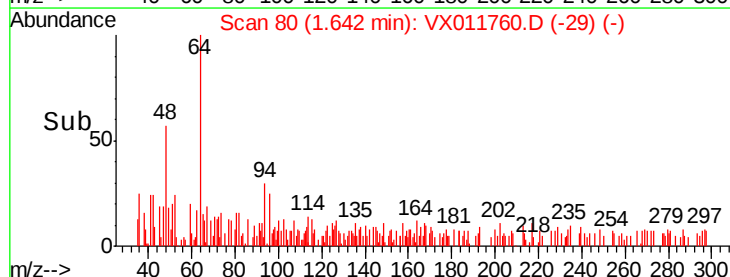
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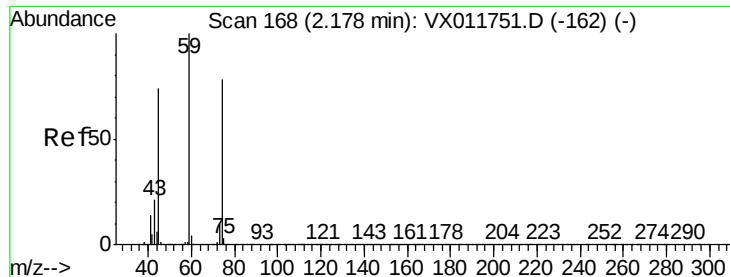
100

0

Time-->

1.62 1.64 1.66 1.68





#8

Diethyl Ether

Concen: 0.207 ug/l

RT: 2.18 min Scan# 168

Delta R.T. -0.00 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

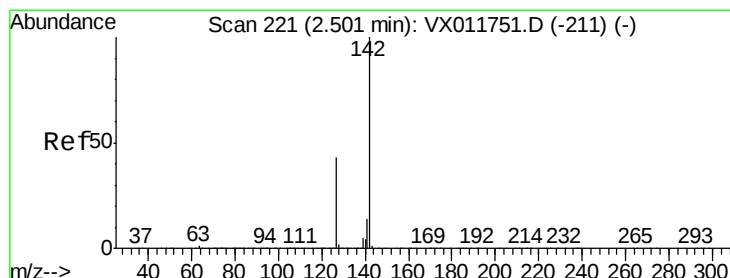
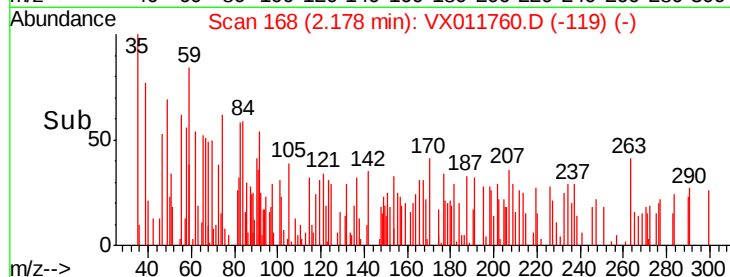
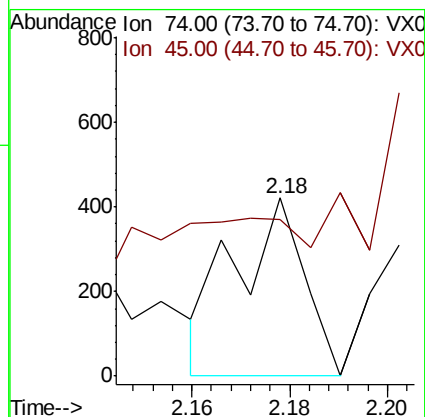
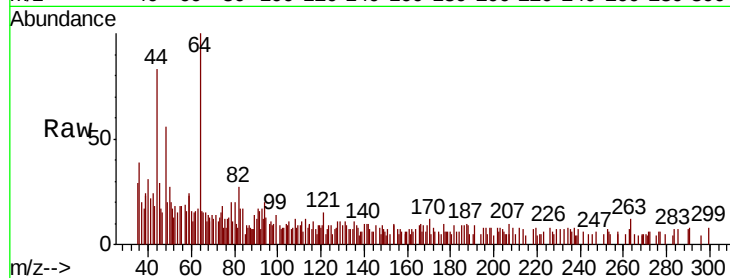
T4-B4-(2)

Tgt Ion: 74 Resp: 414

Ion Ratio Lower Upper

74 100

45 100.2 46.7 140.0



#10

Methyl Iodide

Concen: 0.215 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.02 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

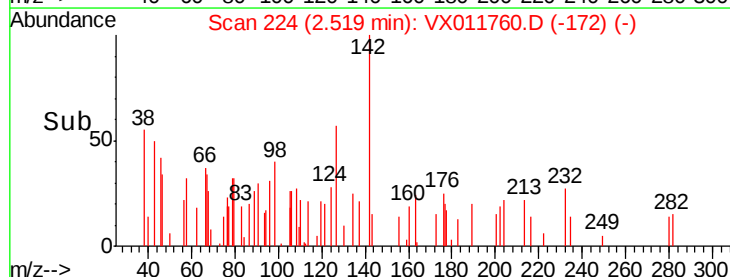
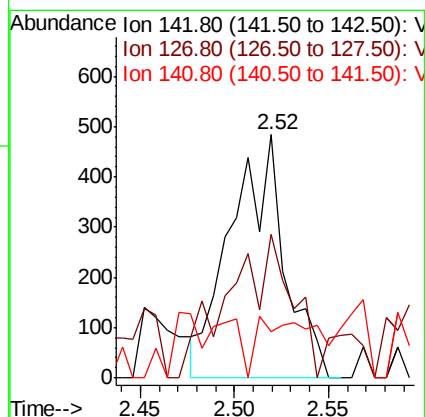
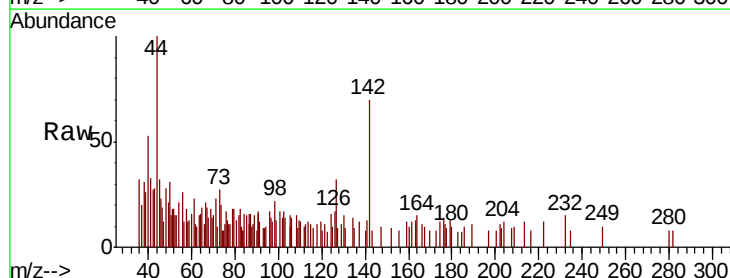
Tgt Ion: 142 Resp: 958

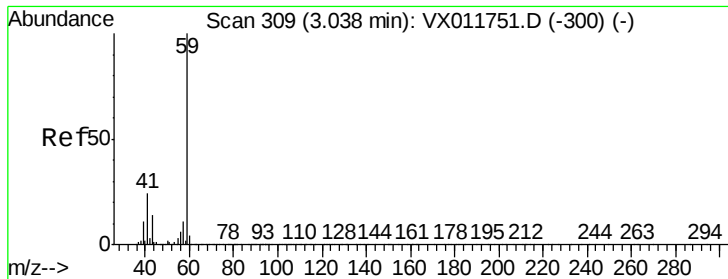
Ion Ratio Lower Upper

142 100

127 40.1 33.5 50.3

141 12.2 11.4 17.2

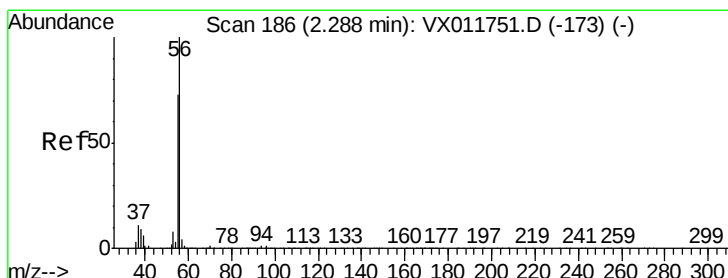
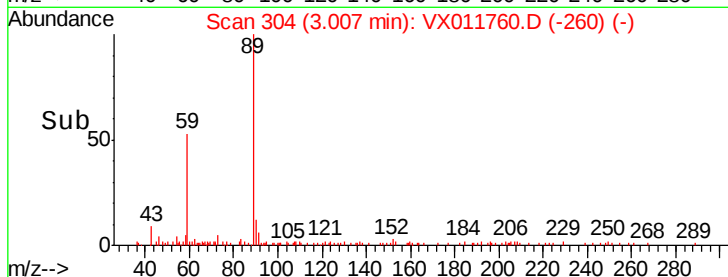
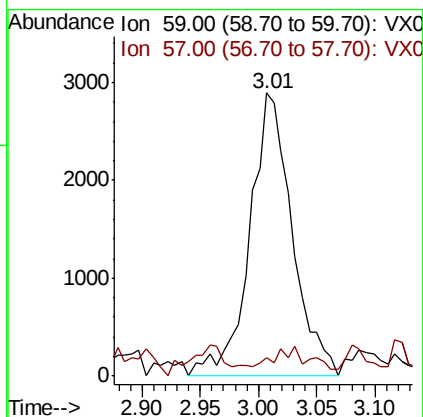
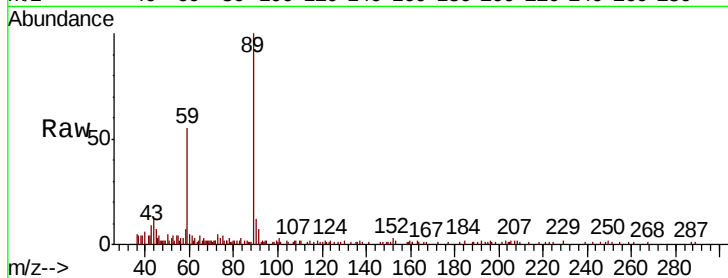




#11
Tert butyl alcohol
Concen: 8.189 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

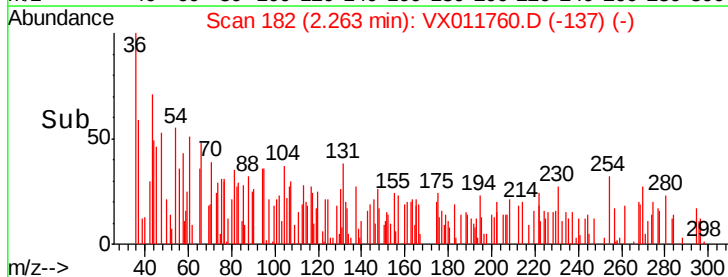
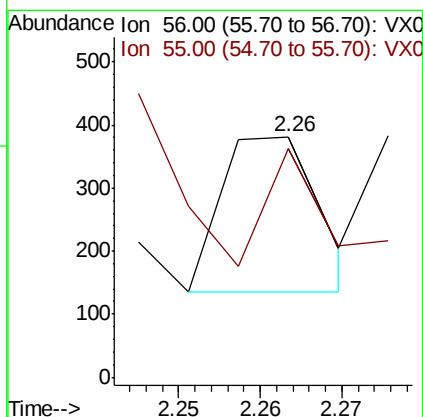
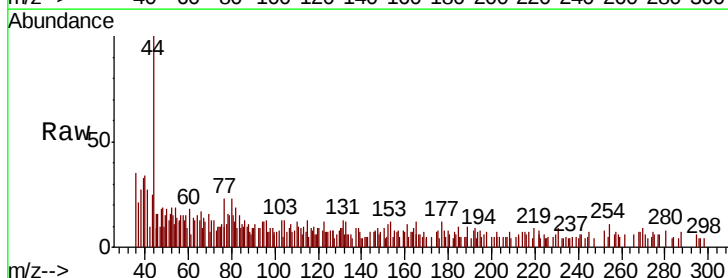
Instrument :
MSVOA_X
ClientSampleId :
T4-B4-(2)

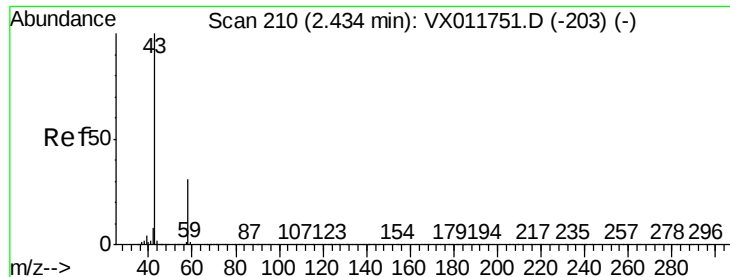
Tgt Ion: 59 Resp: 7357
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 0.585 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.02 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 83.7 54.8 82.2#





#16

Acetone

Concen: 5.584 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

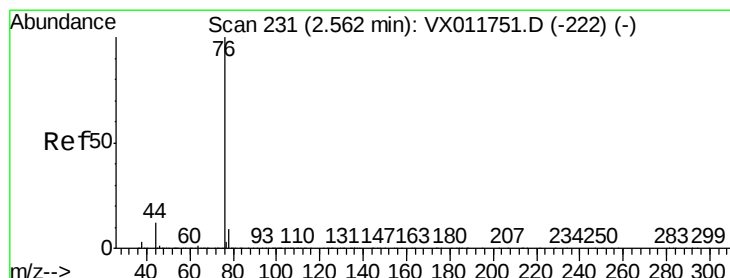
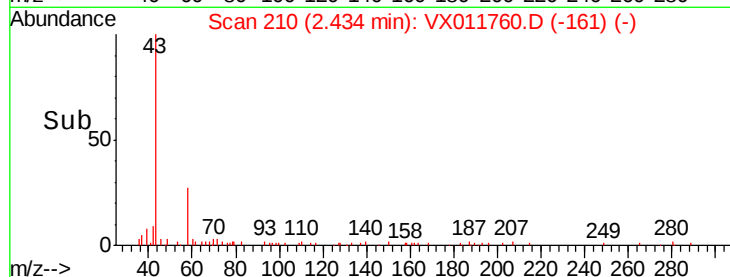
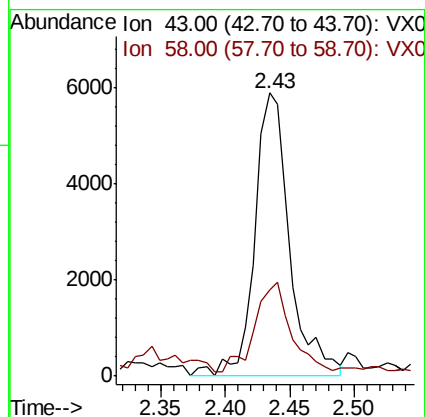
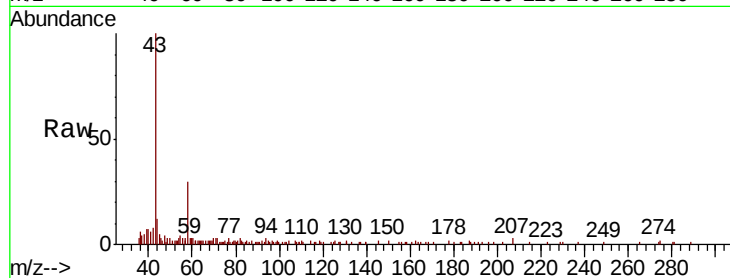
T4-B4-(2)

Tgt Ion: 43 Resp: 11043

Ion Ratio Lower Upper

43 100

58 27.8 24.4 36.6



#17

Carbon Disulfide

Concen: 0.227 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011760.D

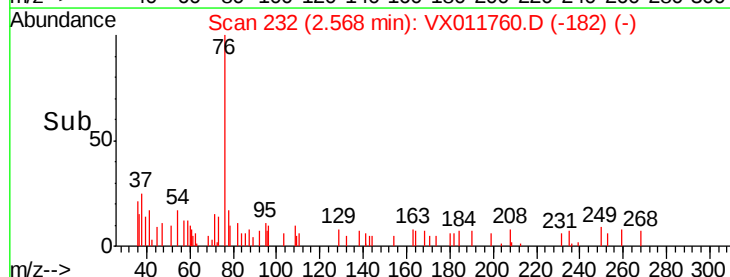
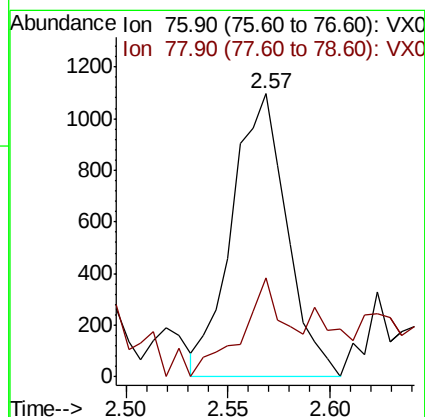
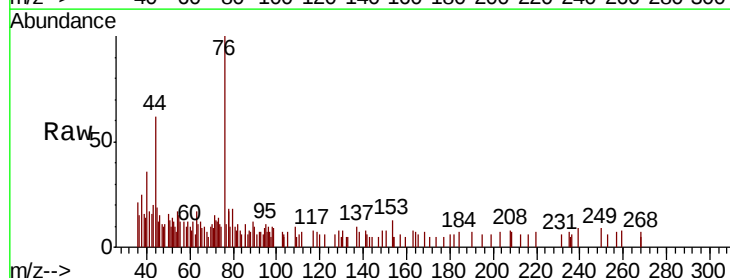
Acq: 22 Aug 2019 14:34

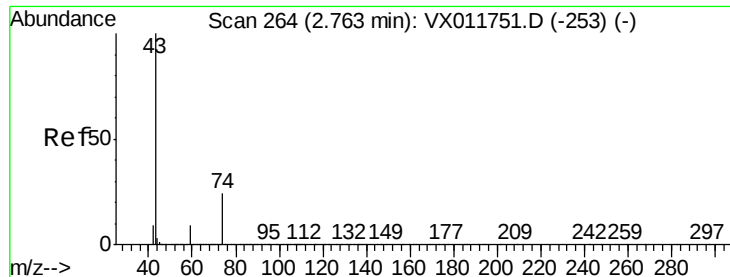
Tgt Ion: 76 Resp: 2046

Ion Ratio Lower Upper

76 100

78 44.8 7.4 11.0#

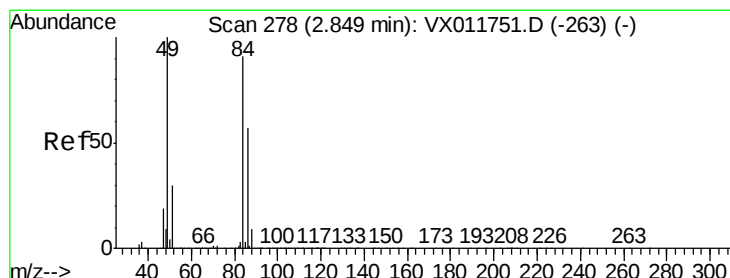
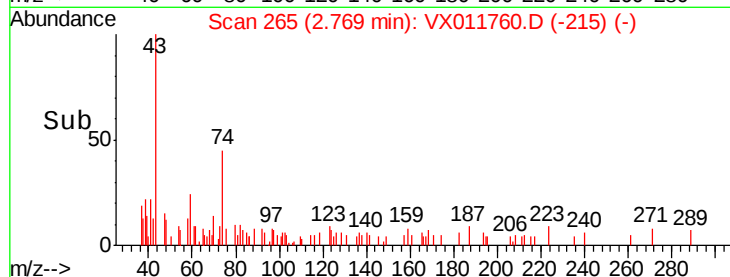
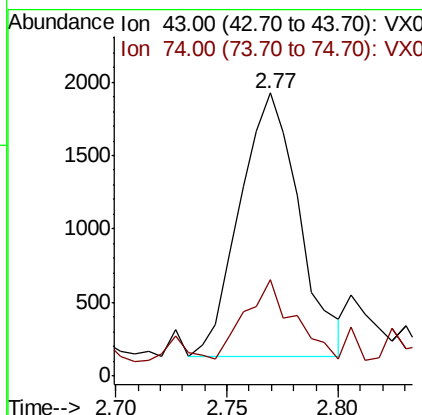
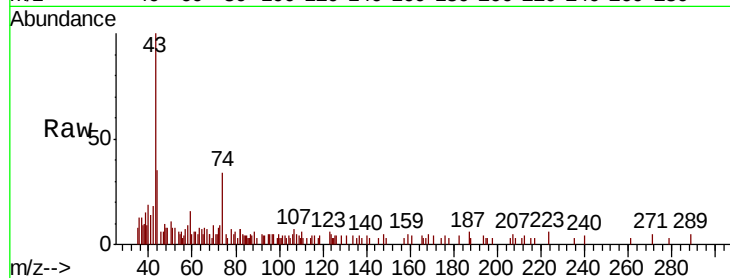




#18
Methyl Acetate
Concen: 0.619 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

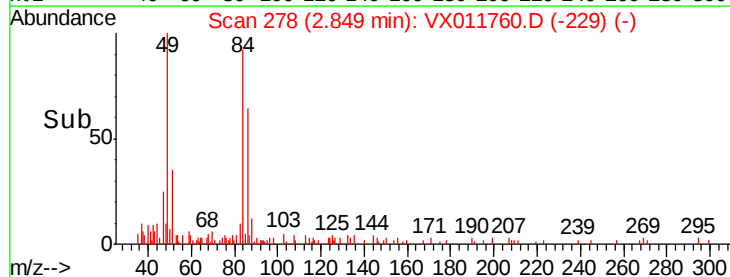
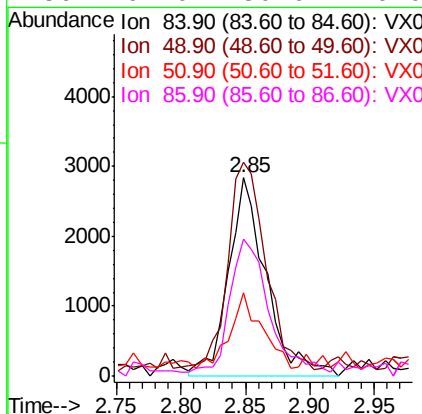
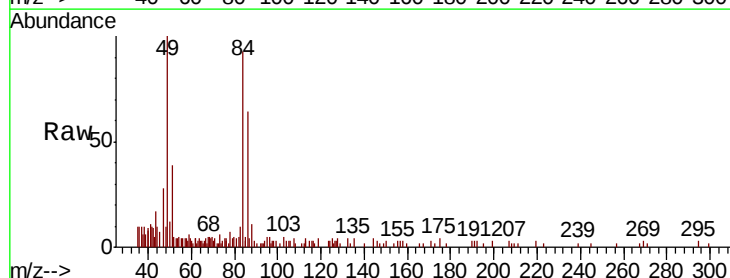
Instrument :
MSVOA_X
ClientSampleId :
T4-B4-(2)

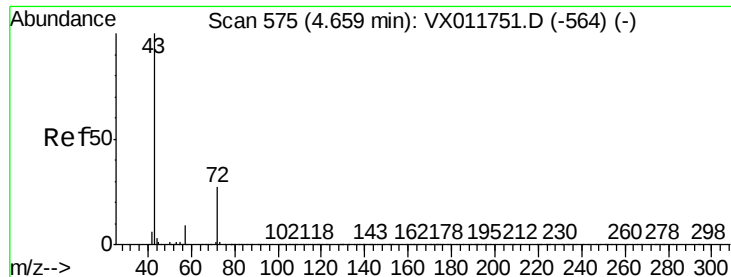
Tgt Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
74 35.7 19.5 29.3#



#20
Methylene Chloride
Concen: 1.423 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

Tgt Ion: 84 Resp: 5755
Ion Ratio Lower Upper
84 100
49 98.3 88.3 132.5
51 35.4 26.2 39.2
86 67.0 50.6 76.0

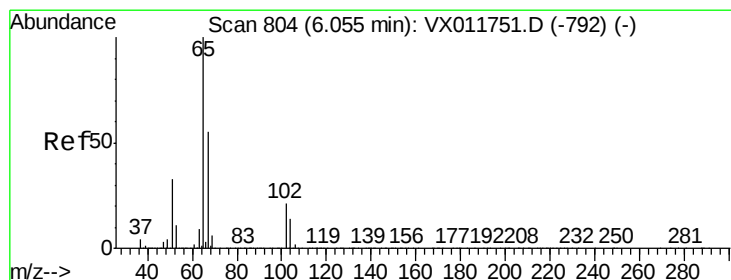
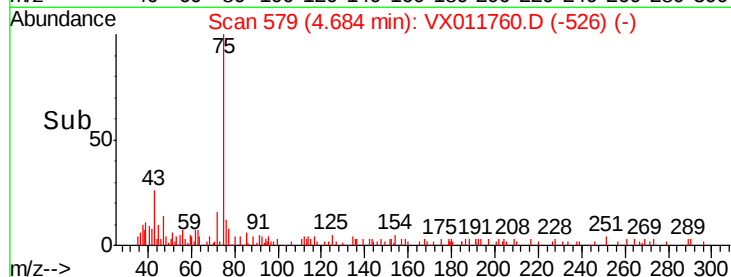
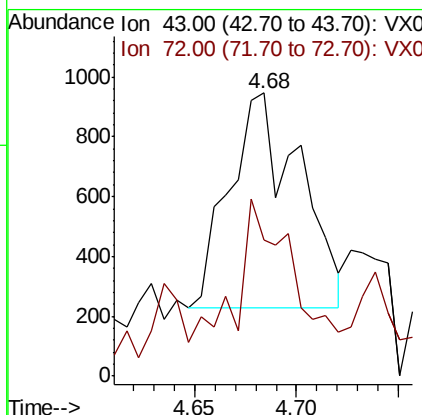
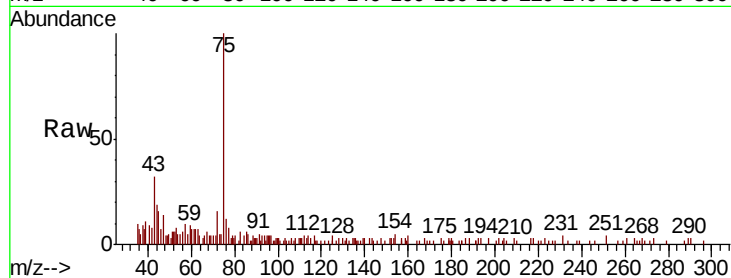




#25
2-Butanone
Concen: 0.603 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

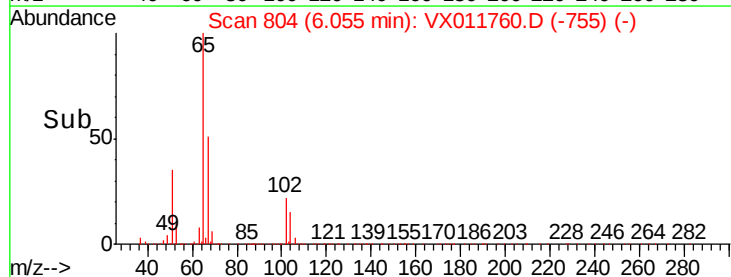
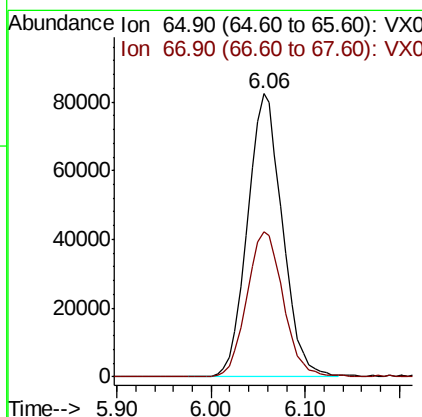
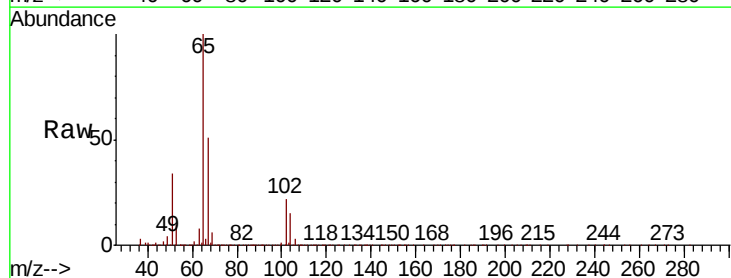
Instrument :
MSVOA_X
ClientSampled :
T4-B4-(2)

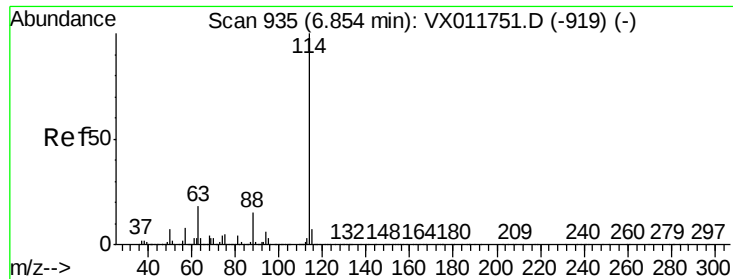
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
72 47.8 21.8 32.6#



#33
1,2-Dichloroethane-d4
Concen: 46.978 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

Tgt Ion: 65 Resp: 213573
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.8

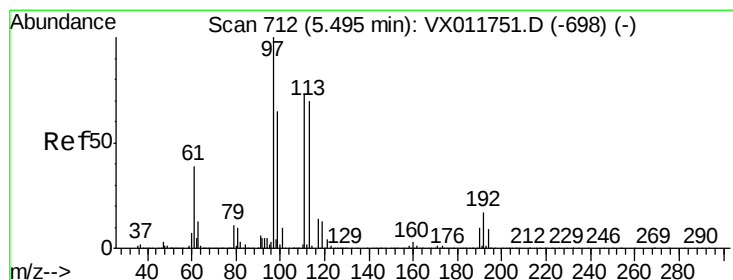
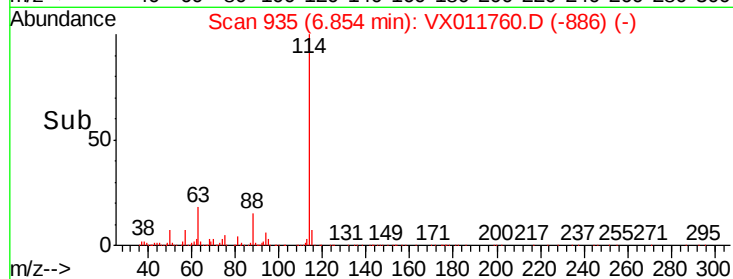
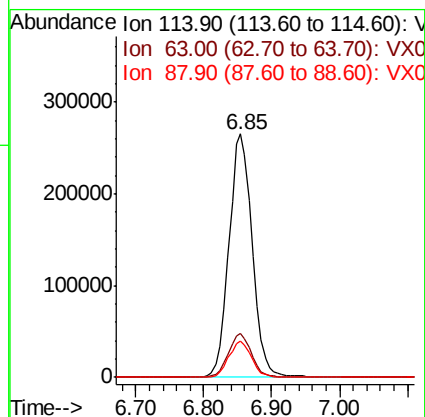
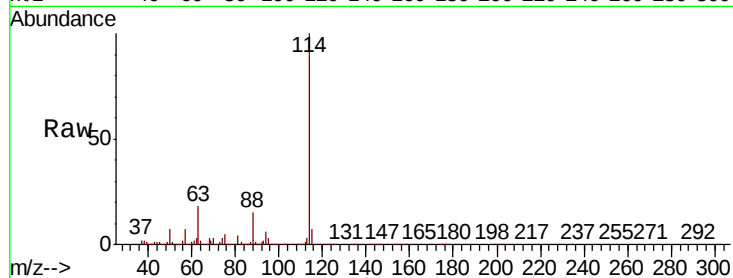




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011760.D
 Acq: 22 Aug 2019 14:34

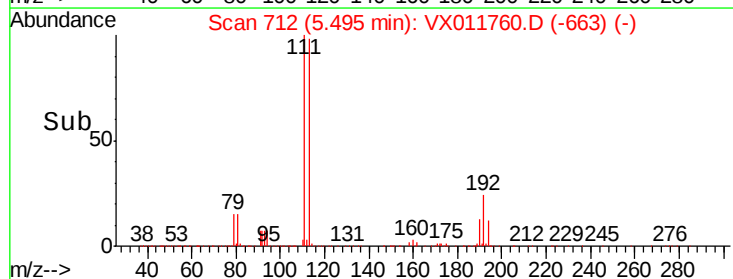
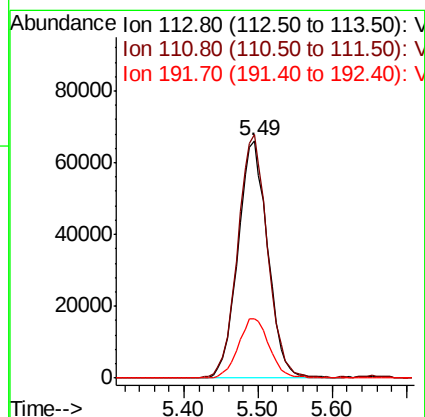
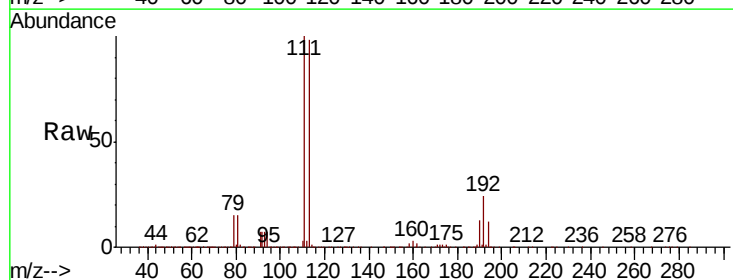
Instrument :
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 ClientSampleId :
 T4-B4-(2)

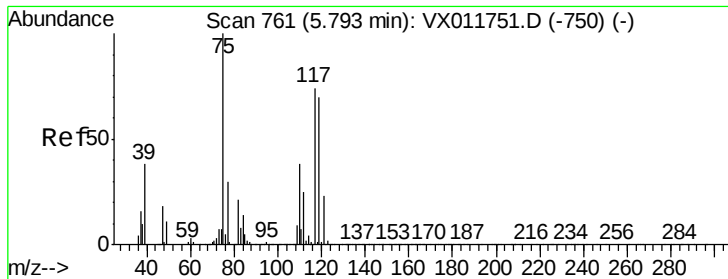
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	36.8
88	14.6	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 45.689 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011760.D
 Acq: 22 Aug 2019 14:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.0	121.4
192	26.1	19.9	29.9





#36

1,1-Dichloropropene

Concen: 5.485 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

T4-B4-(2)

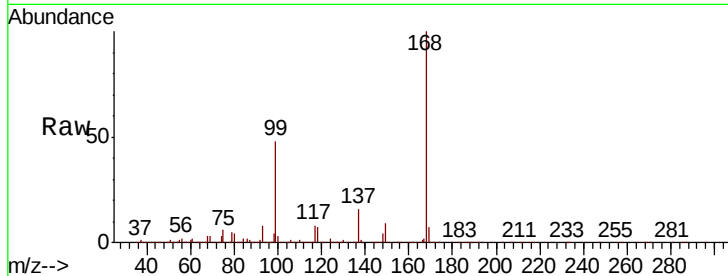
Tgt Ion: 75 Resp: 27004

Ion Ratio Lower Upper

75 100

110 9.9 19.0 57.0#

77 1.0 24.6 36.8#

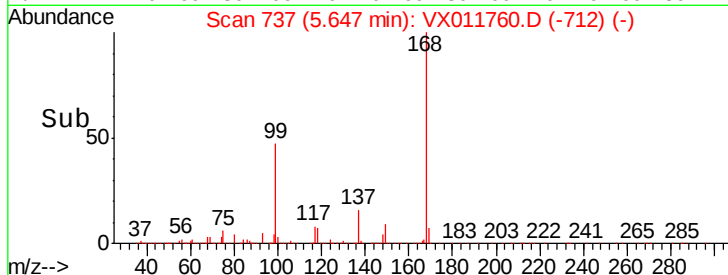


Abundance Ion 74.90 (74.60 to 75.60): VX011760.D (-712) (-)

Ion 109.90 (109.60 to 110.60): VX011760.D (-712) (-)

Ion 76.90 (76.60 to 77.60): VX011760.D (-712) (-)

Time-->

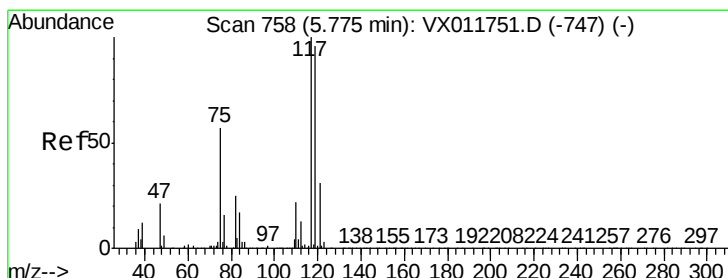


Abundance Ion 74.90 (74.60 to 75.60): VX011760.D (-712) (-)

Ion 109.90 (109.60 to 110.60): VX011760.D (-712) (-)

Ion 76.90 (76.60 to 77.60): VX011760.D (-712) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.044 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

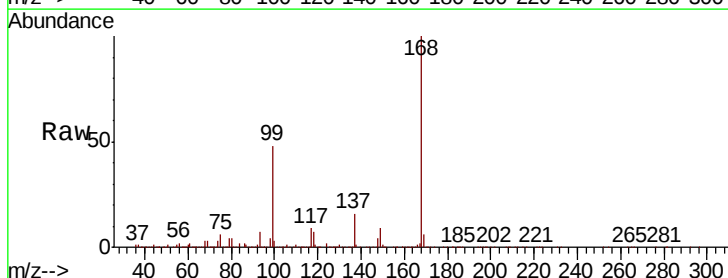
Tgt Ion: 117 Resp: 39302

Ion Ratio Lower Upper

117 100

119 5.0 76.6 114.8#

121 1.4 25.2 37.8#

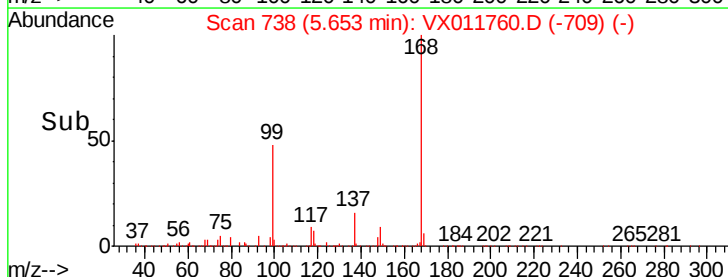


Abundance Ion 116.80 (116.50 to 117.50): VX011760.D (-709) (-)

Ion 118.80 (118.50 to 119.50): VX011760.D (-709) (-)

Ion 120.80 (120.50 to 121.50): VX011760.D (-709) (-)

Time-->

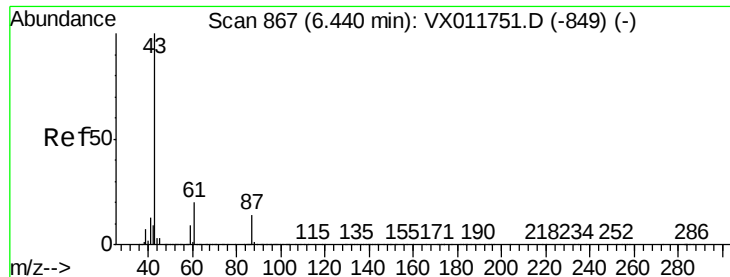


Abundance Ion 116.80 (116.50 to 117.50): VX011760.D (-709) (-)

Ion 118.80 (118.50 to 119.50): VX011760.D (-709) (-)

Ion 120.80 (120.50 to 121.50): VX011760.D (-709) (-)

Time-->



#43

Isopropyl Acetate

Concen: 8.726 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

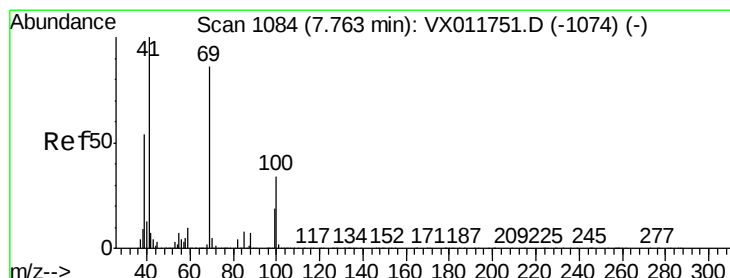
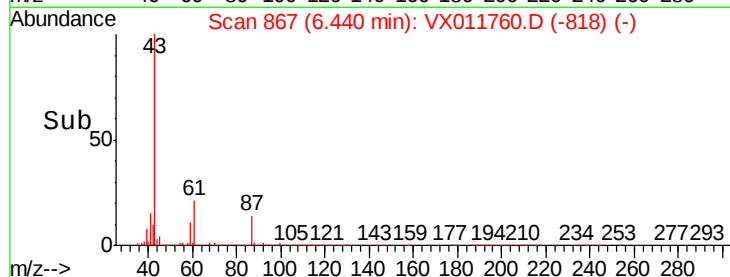
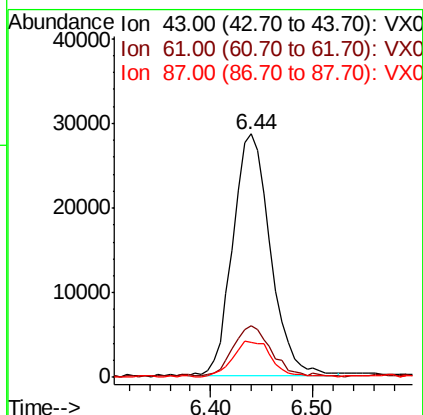
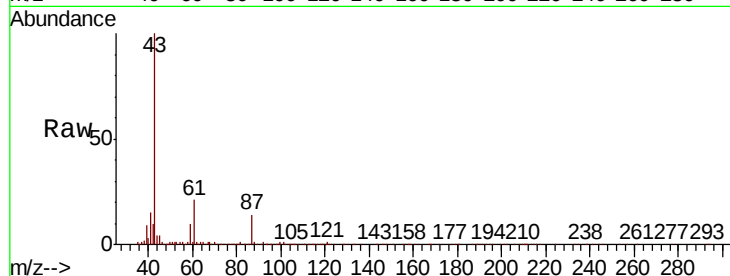
Instrument :

MSVOA_X

ClientSampleId :

T4-B4-(2)

Tgt Ion:	43	Resp:	73586
Ion	Ratio	Lower	Upper
43	100		
61	22.3	16.2	24.2
87	16.1	11.6	17.4



#48

Methyl methacrylate

Concen: 1.141 ug/l

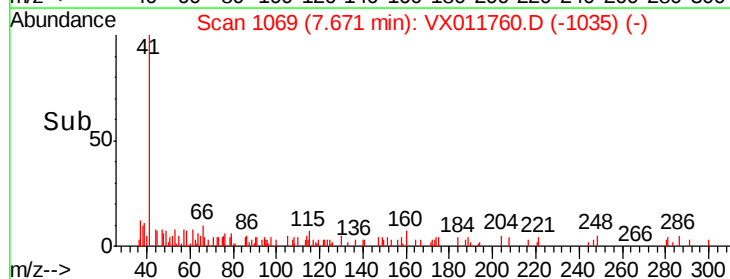
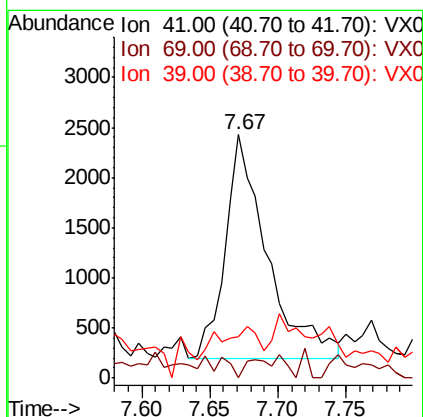
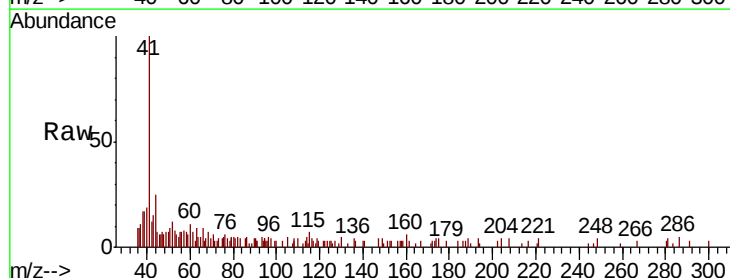
RT: 7.67 min Scan# 1069

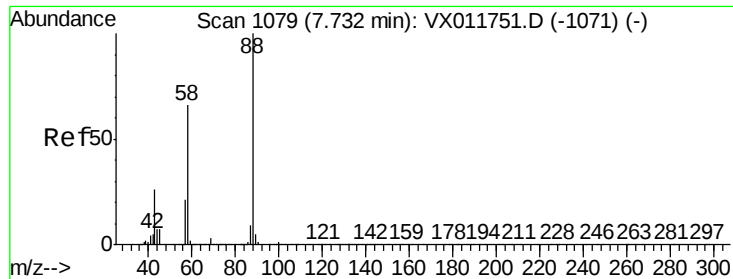
Delta R.T. -0.09 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

Tgt Ion:	41	Resp:	4789
Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.4	104.2#
39	0.0	43.6	65.4#

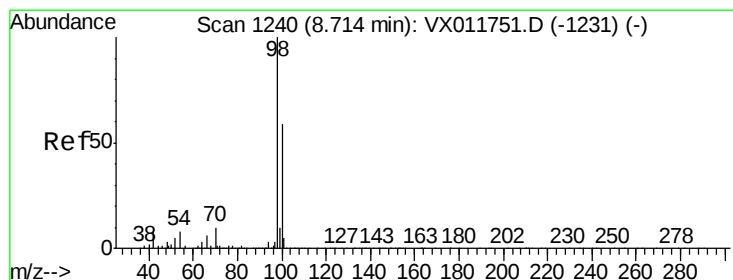
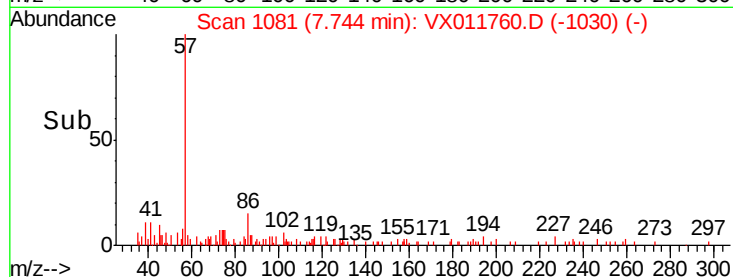
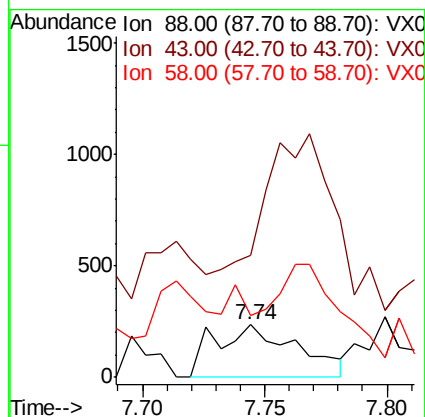
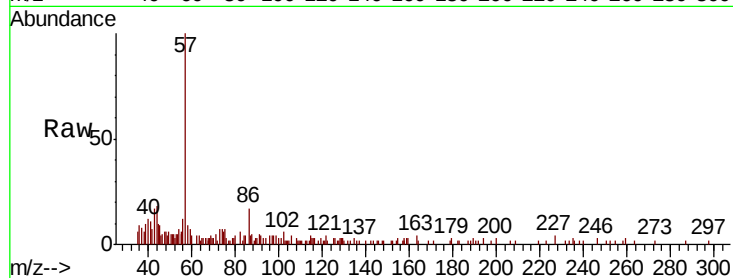




#49
1,4-Dioxane
Concen: 4.696 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

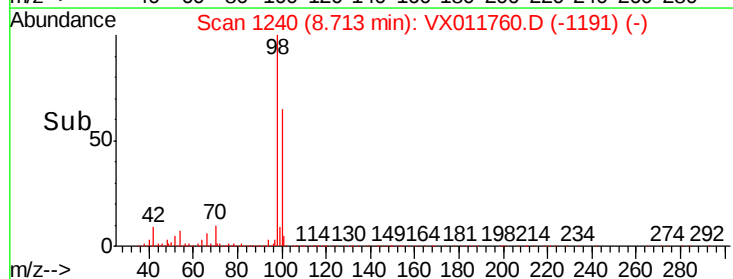
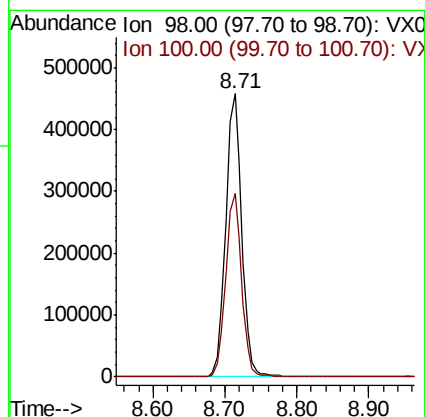
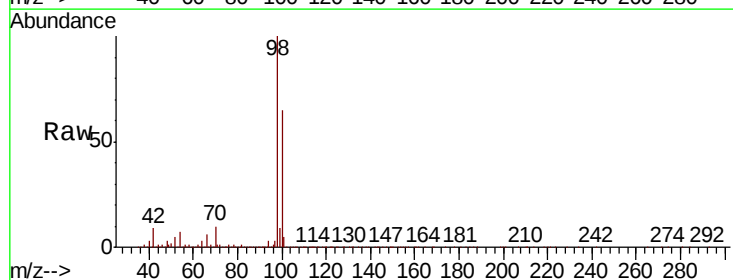
Instrument :
MSVOA_X
ClientSampled :
T4-B4-(2)

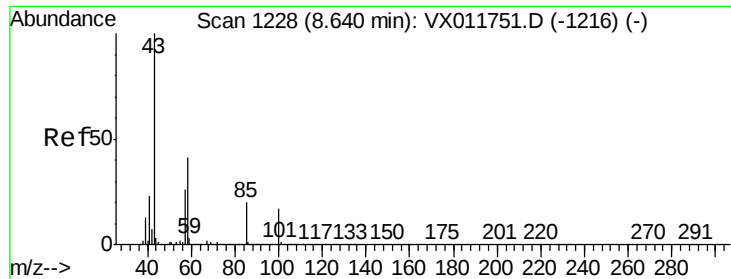
Tgt Ion: 88 Resp: 546
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 126.9 51.4 77.2#



#50
Toluene-d8
Concen: 50.201 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

Tgt Ion: 98 Resp: 710869
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

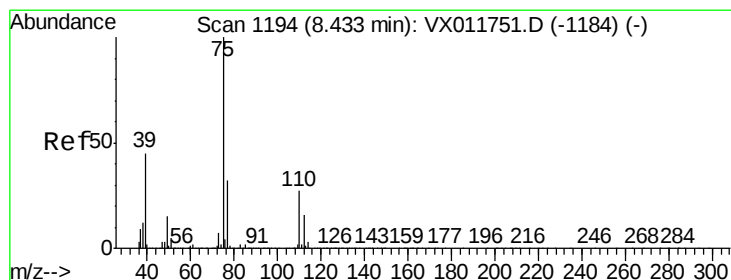
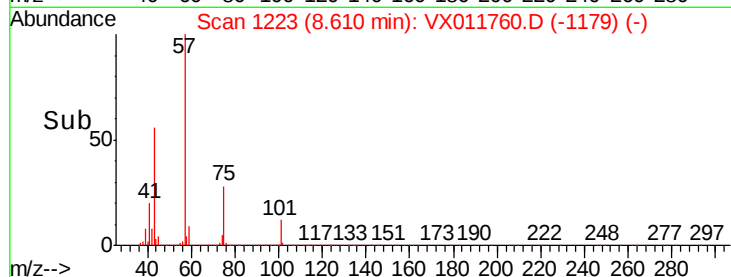
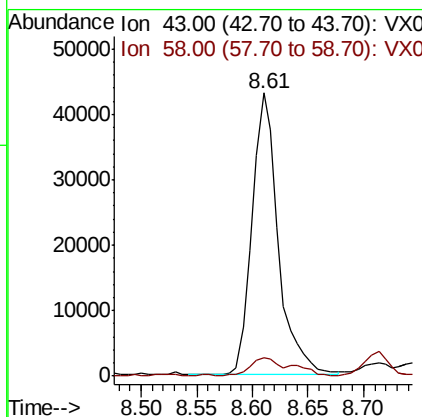
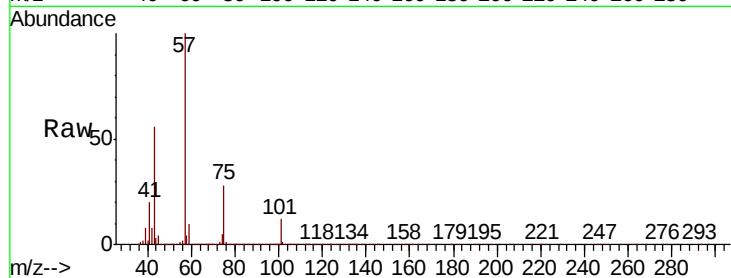




#51
 4-Methyl-2-Pentanone
 Concen: 12.640 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011760.D
 Acq: 22 Aug 2019 14:34

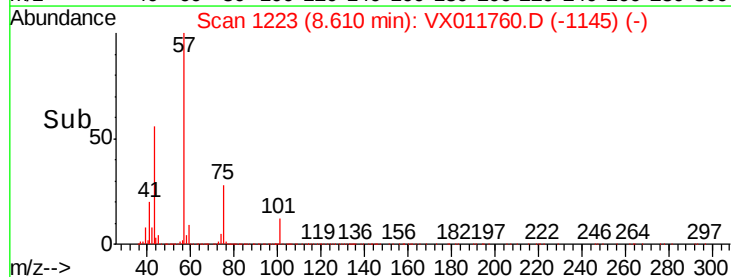
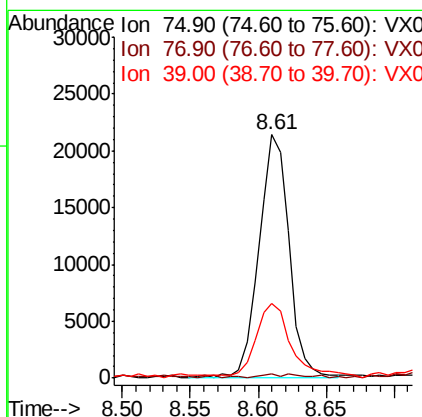
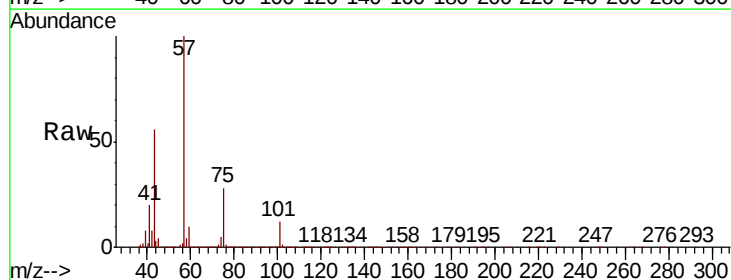
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B4-(2)

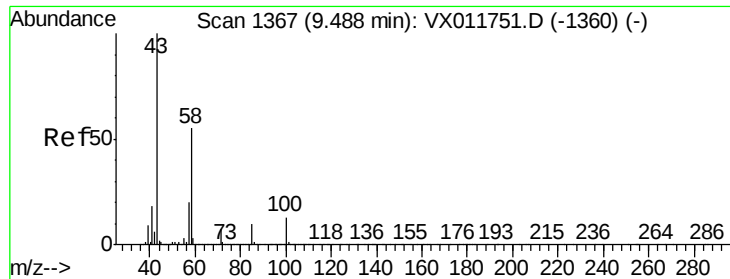
Tgt Ion: 43 Resp: 70234
 Ion Ratio Lower Upper
 43 100
 58 9.5 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.661 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011760.D
 Acq: 22 Aug 2019 14:34

Tgt Ion: 75 Resp: 32937
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.4 38.2#
 39 29.3 36.2 54.4#

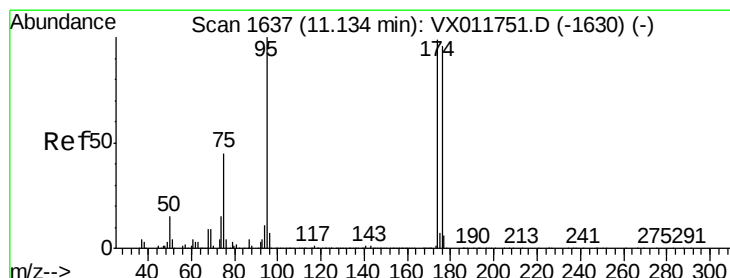
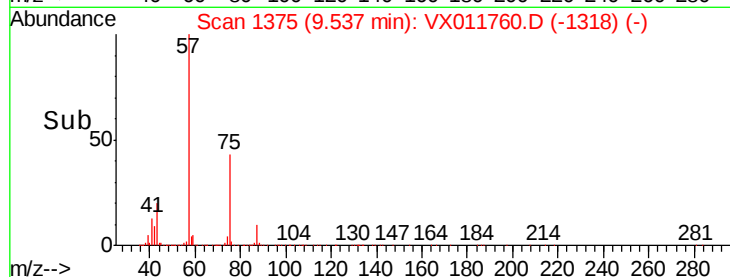
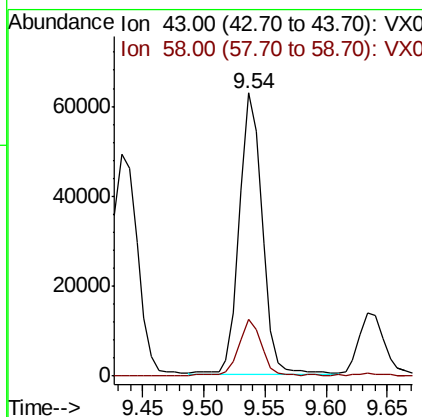
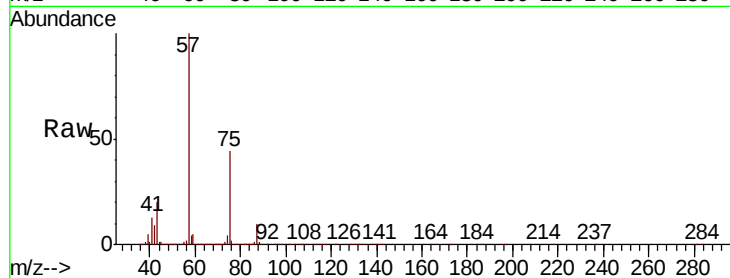




#59
2-Hexanone
Concen: 19.306 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

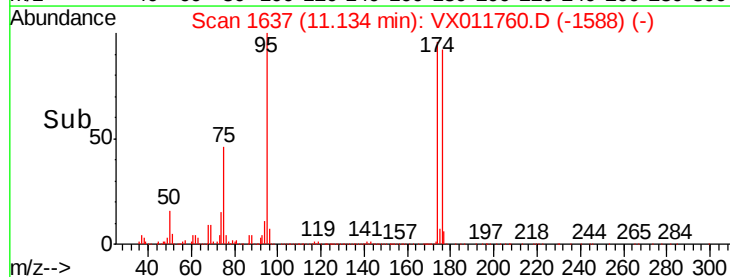
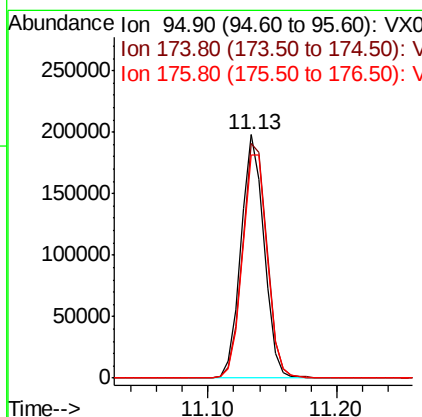
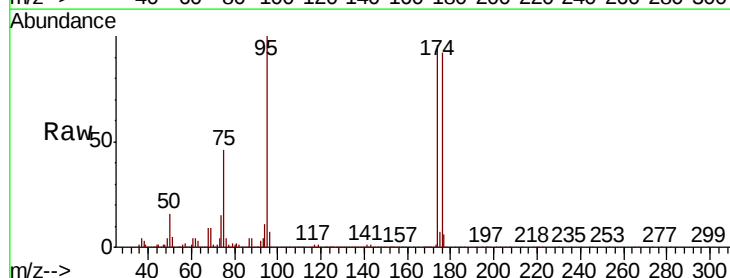
Instrument :
MSVOA_X
ClientSampleId :
T4-B4-(2)

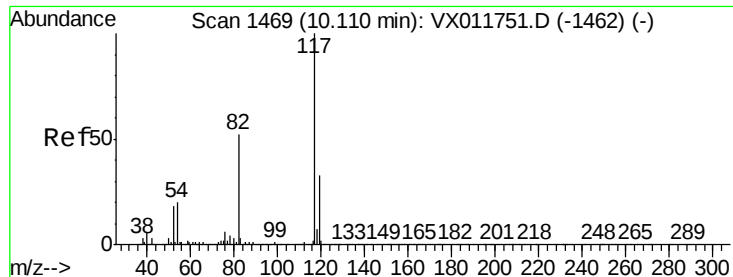
Tgt Ion: 43 Resp: 82336
Ion Ratio Lower Upper
43 100
58 19.8 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 43.734 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

Tgt Ion: 95 Resp: 244783
Ion Ratio Lower Upper
95 100
174 102.0 0.0 197.4
176 98.6 0.0 194.4

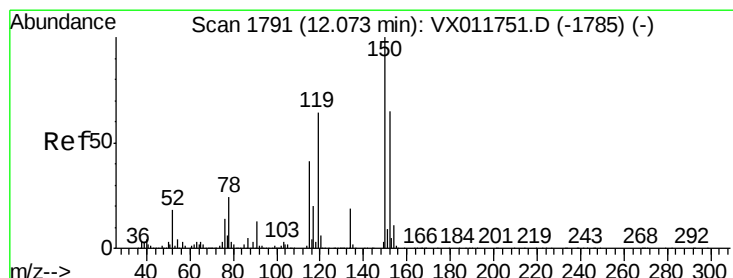
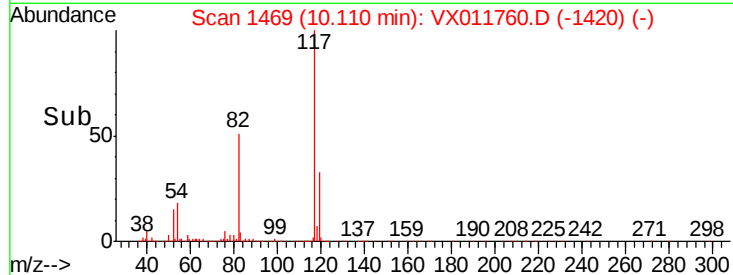
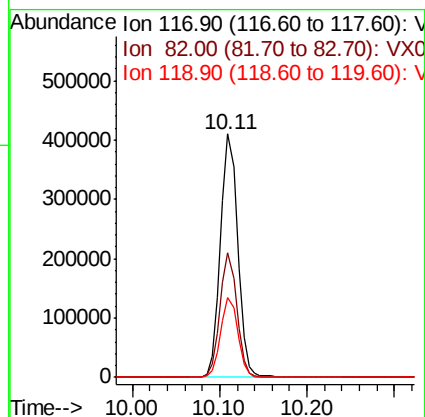
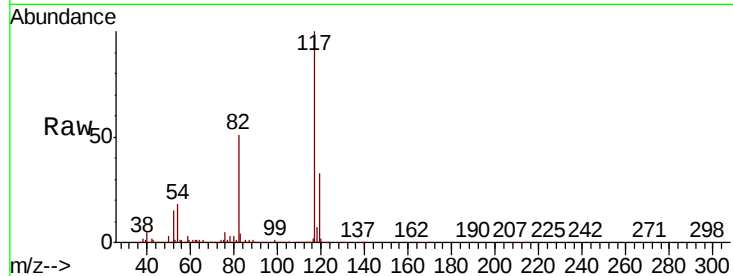




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

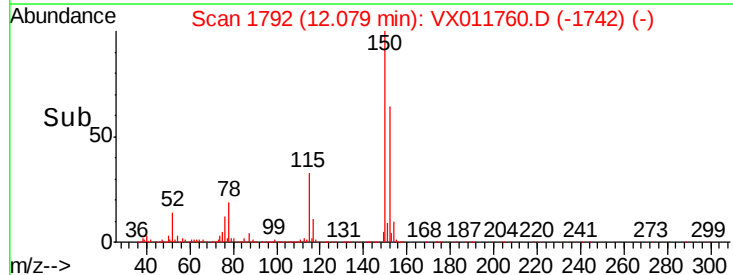
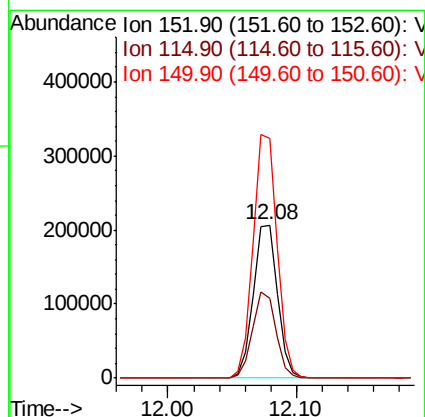
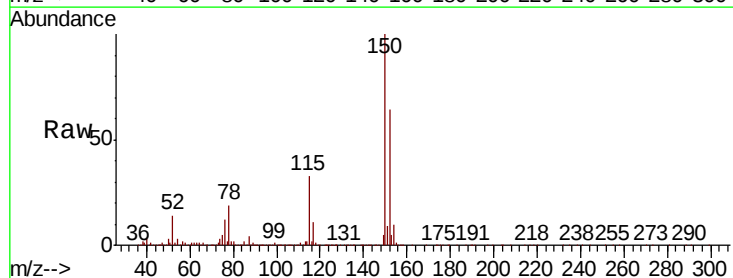
Instrument :
MSVOA_X
ClientSampled :
T4-B4-(2)

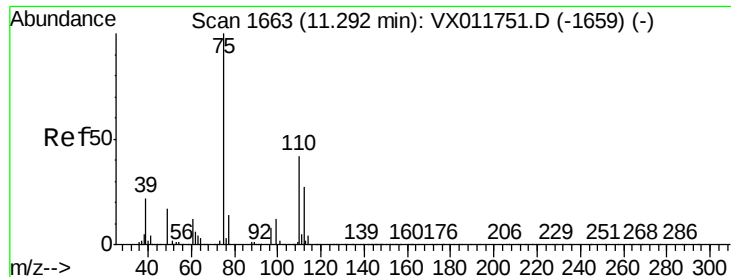
Tgt Ion:117 Resp: 559331
Ion Ratio Lower Upper
117 100
82 51.1 41.7 62.5
119 32.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011760.D
Acq: 22 Aug 2019 14:34

Tgt Ion:152 Resp: 264796
Ion Ratio Lower Upper
152 100
115 54.3 37.3 111.8
150 157.9 0.0 343.0





#76

1,2,3-Trichloropropane

Concen: 24.202 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

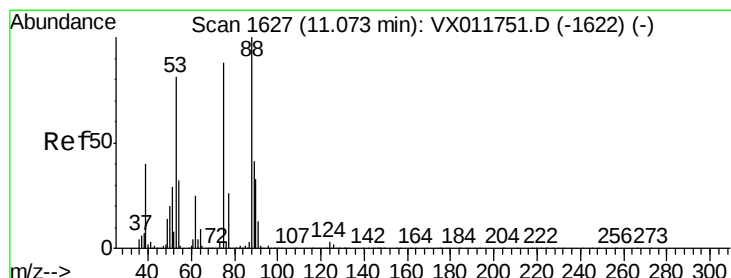
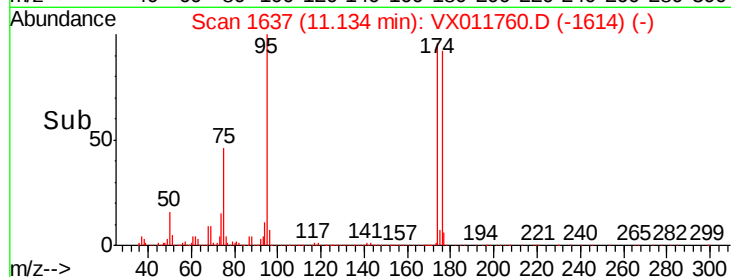
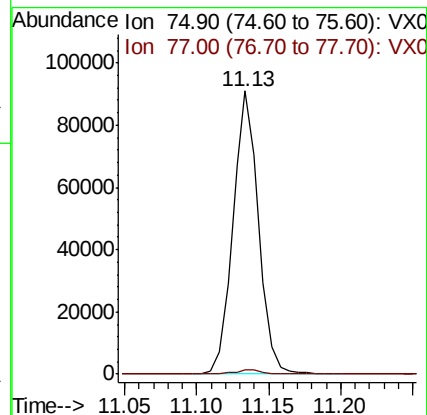
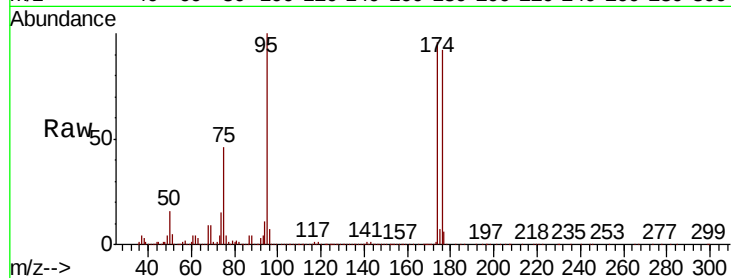
T4-B4-(2)

Tgt Ion: 75 Resp: 112450

Ion Ratio Lower Upper

75 100

77 1.7 21.1 63.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.988 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011760.D

Acq: 22 Aug 2019 14:34

Tgt Ion: 75 Resp: 112450

Ion Ratio Lower Upper

75 100

53 0.4 77.1 115.7#

89 0.1 38.5 57.7#

