

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
 Data File : VX011849.D
 Acq On : 27 Aug 2019 14:53
 Operator : JC/SP
 Sample : K4555-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1

Quant Time: Aug 28 02:22:19 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	426565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	586803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	522174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258051	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	215575	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	5.49	113	181991	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	8.71	98	667028	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	247721	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

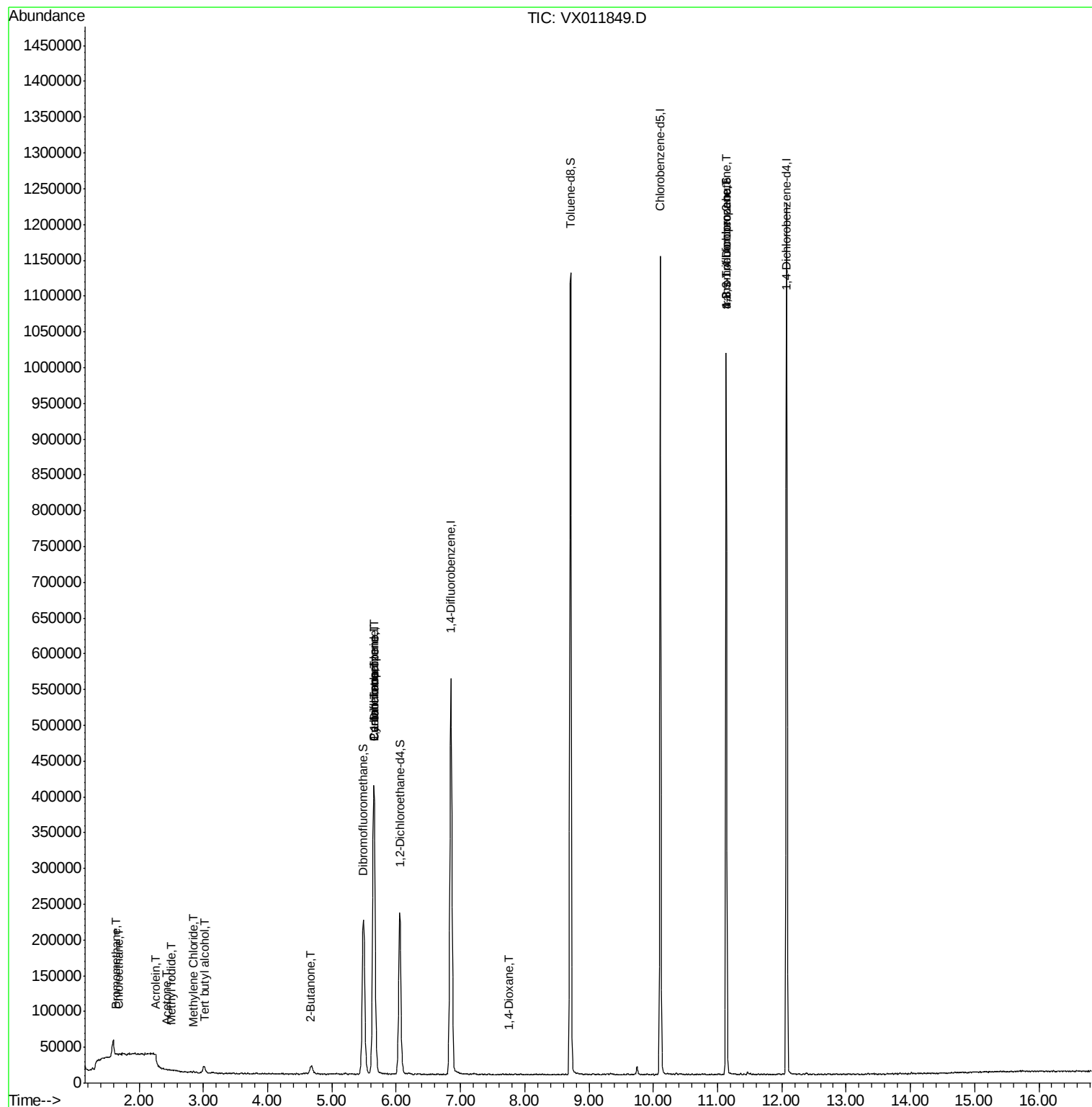
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	501	0.261	ug/l #	78
6) Chloroethane	1.68	64	419	0.205	ug/l	93
10) Methyl Iodide	2.51	142	988	0.235	ug/l #	52
11) Tert butyl alcohol	3.01	59	5963	7.042	ug/l #	83
13) Acrolein	2.25	56	433	1.323	ug/l #	16
16) Acetone	2.43	43	452	0.242	ug/l #	82
20) Methylene Chloride	2.85	84	943	0.247	ug/l	96
25) 2-Butanone	4.67	43	623	0.233	ug/l #	48
31) Cyclohexane	5.66	56	7139	1.355	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	26441	5.746	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37333	7.159	ug/l #	16
49) 1,4-Dioxane	7.75	88	23	0.212	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	122372	27.026	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	122372	81.504	ug/l #	11

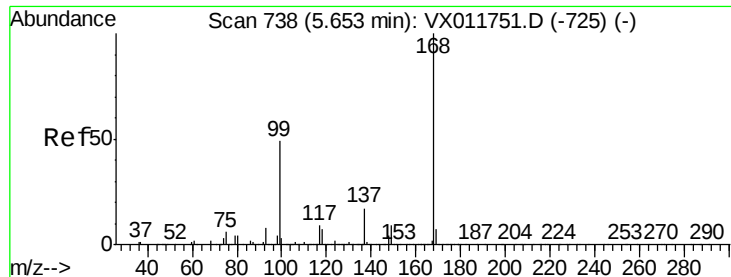
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011849.D

Acq: 27 Aug 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

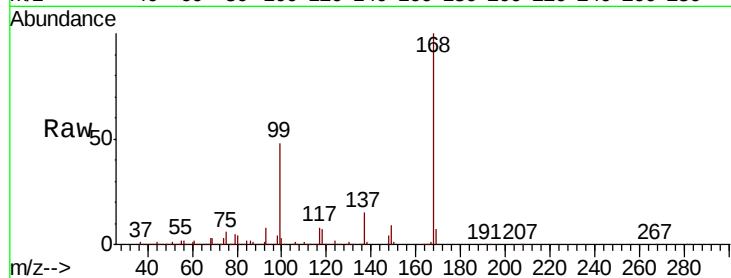
TB-1

Tgt Ion:168 Resp: 426565

Ion Ratio Lower Upper

168 100

99 47.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

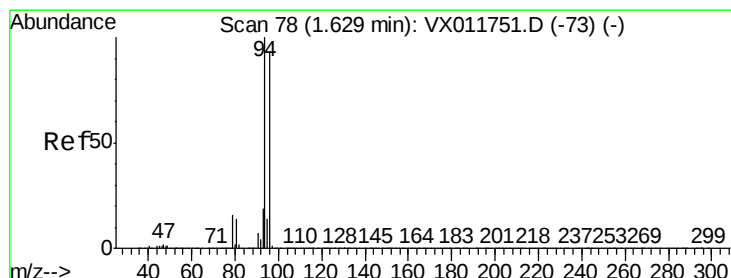
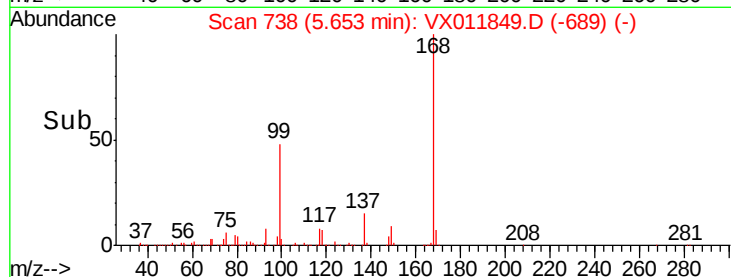
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.261 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011849.D

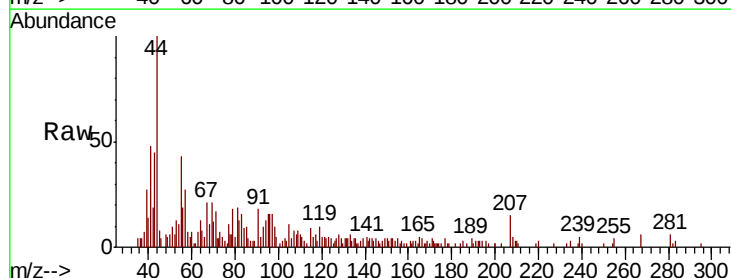
Acq: 27 Aug 2019 14:53

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

94 100

96 71.5 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

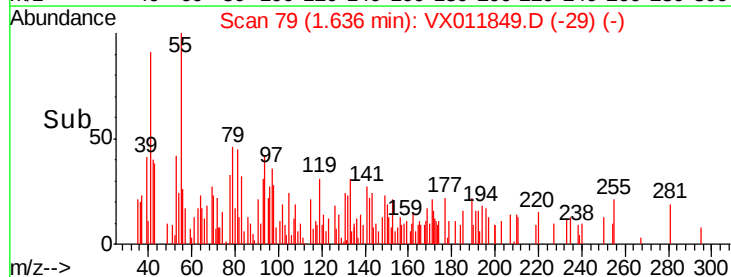
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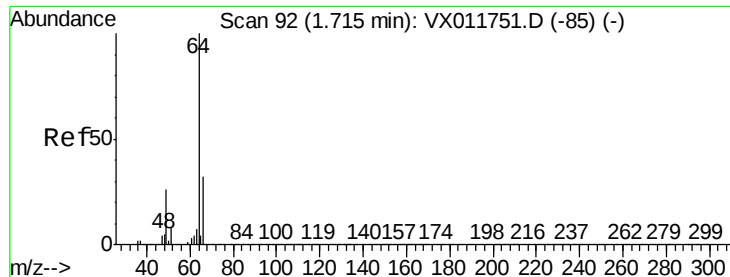
200

0

Time-->

1.65 1.70





#6

Chloroethane

Concen: 0.205 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

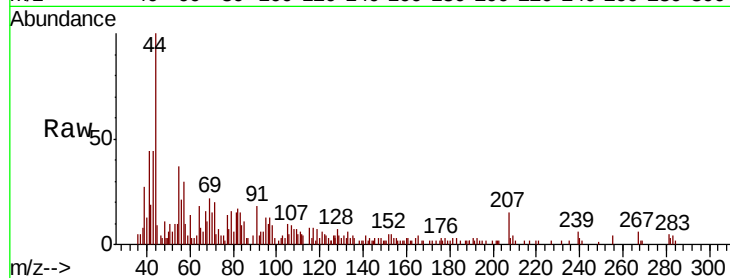
TB-1

Tgt Ion: 64 Resp: 419

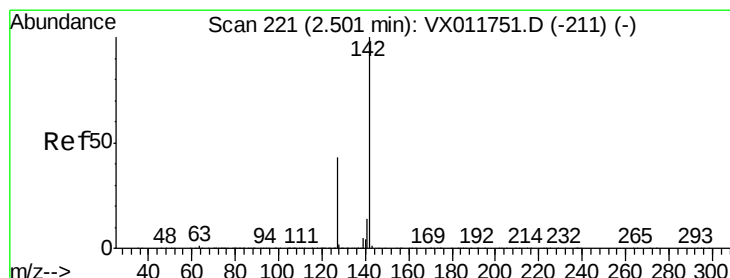
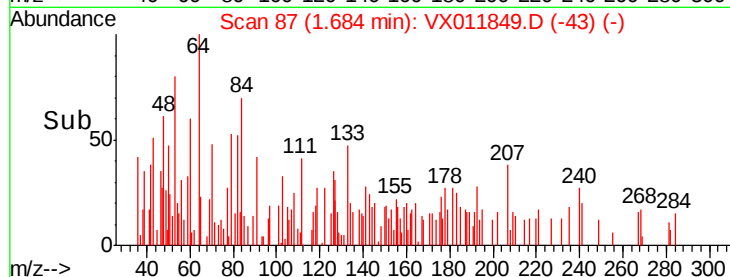
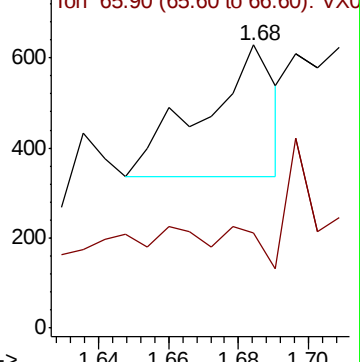
Ion Ratio Lower Upper

64 100

66 27.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 0.235 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

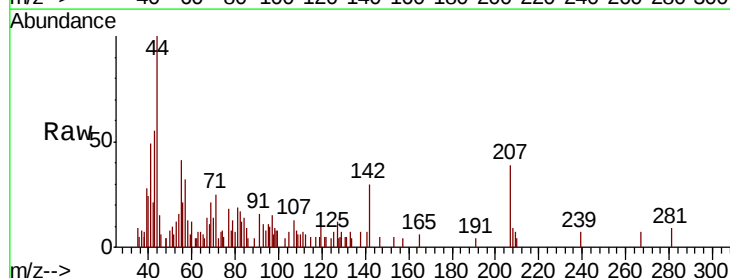
Tgt Ion: 142 Resp: 988

Ion Ratio Lower Upper

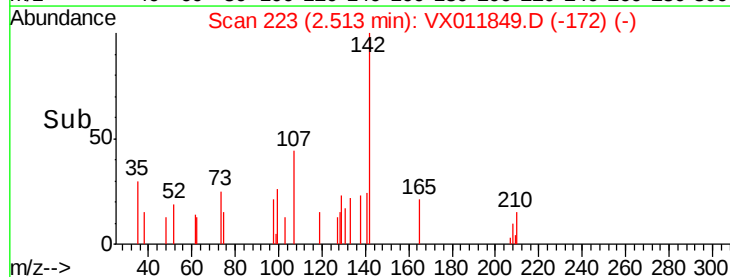
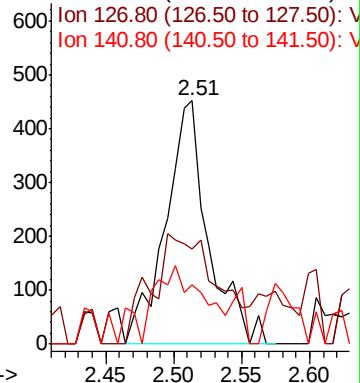
142 100

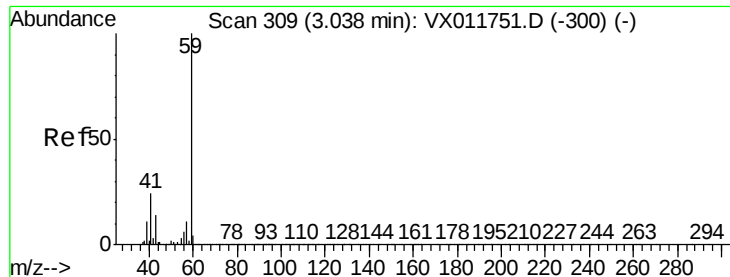
127 67.7 33.5 50.3#

141 42.8 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

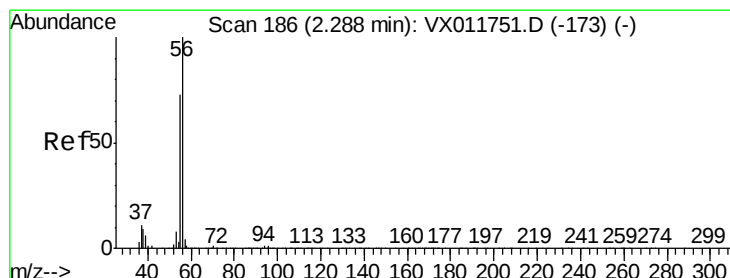
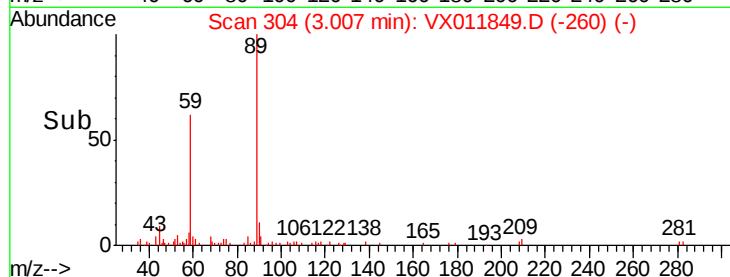
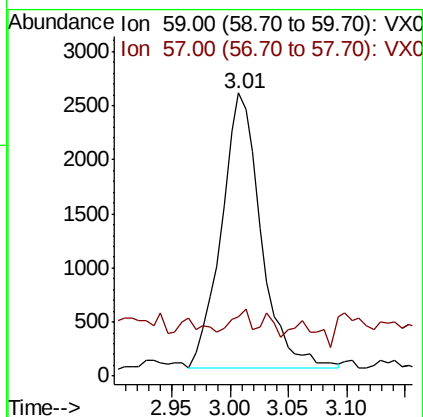
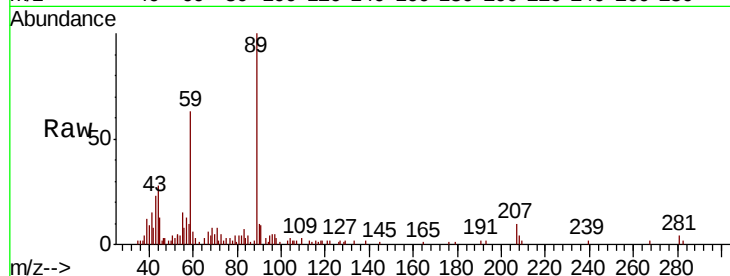




#11
Tert butyl alcohol
Concen: 7.042 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

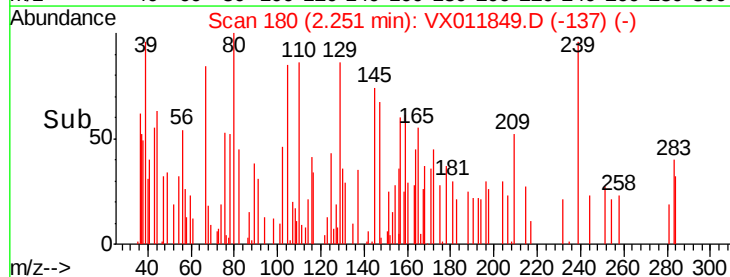
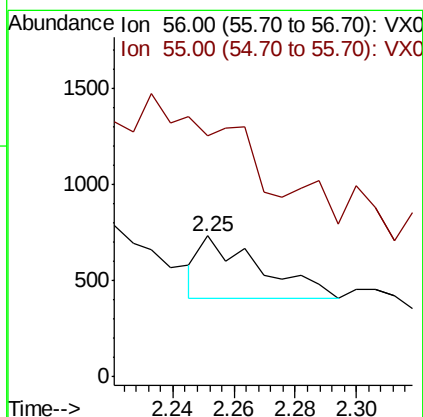
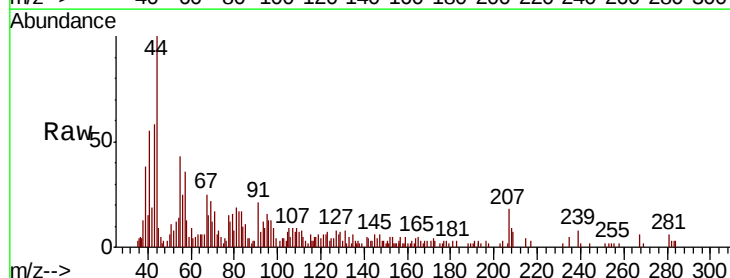
Instrument :
MSVOA_X
ClientSampleId :
TB-1

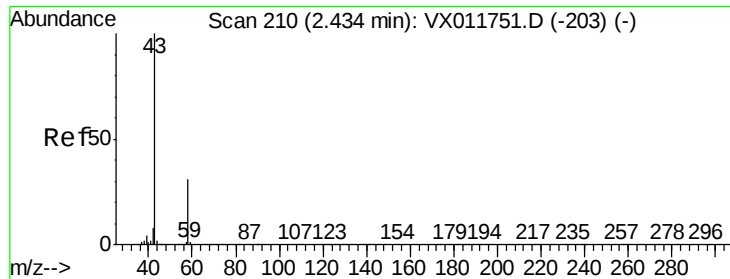
Tgt Ion: 59 Resp: 5963
Ion Ratio Lower Upper
59 100
57 4.2 8.4 12.6#



#13
Acrolein
Concen: 1.323 ug/l
RT: 2.25 min Scan# 180
Delta R.T. -0.04 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 0.242 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

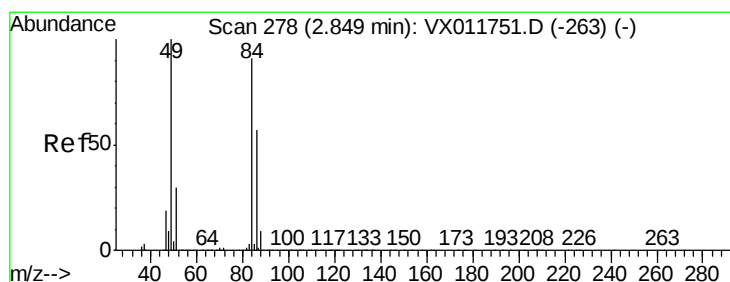
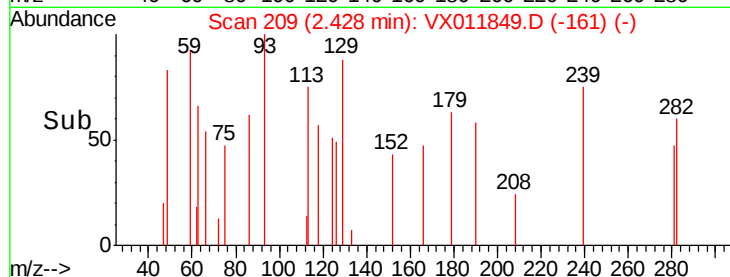
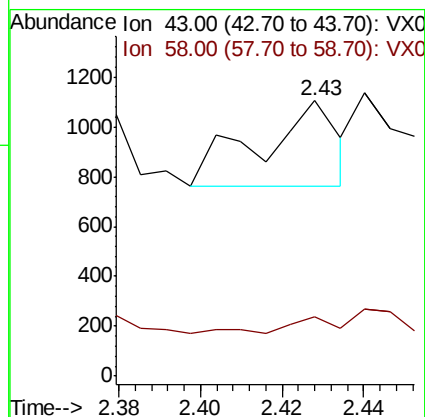
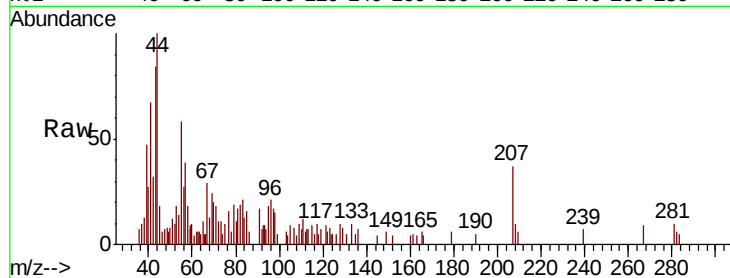
TB-1

Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 20.8 24.4 36.6#



#20

Methylene Chloride

Concen: 0.247 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

Tgt Ion: 84 Resp: 943

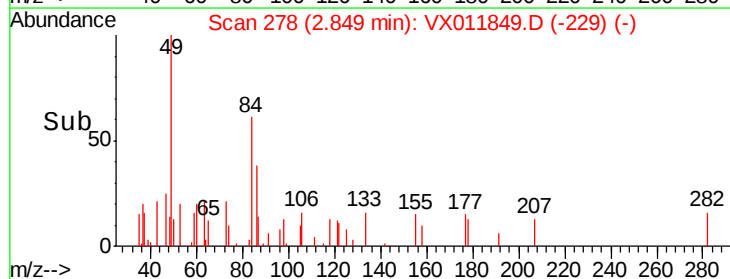
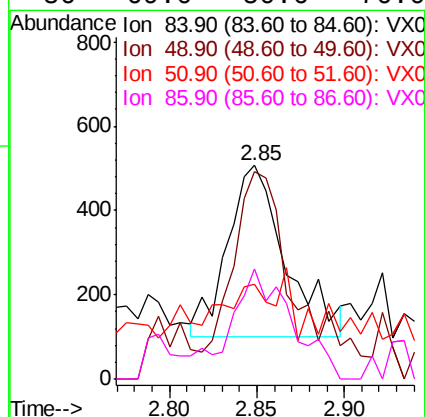
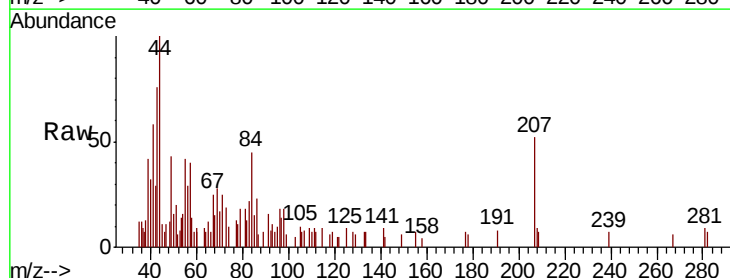
Ion Ratio Lower Upper

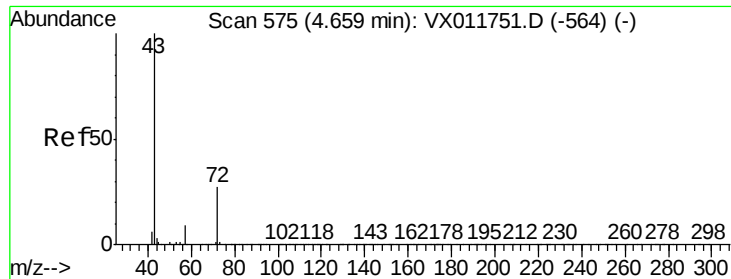
84 100

49 111.9 88.3 132.5

51 30.0 26.2 39.2

86 69.0 50.6 76.0

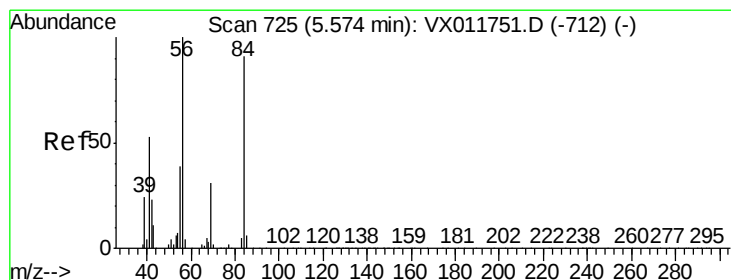
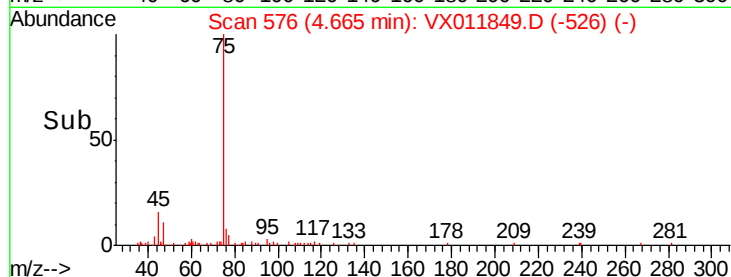
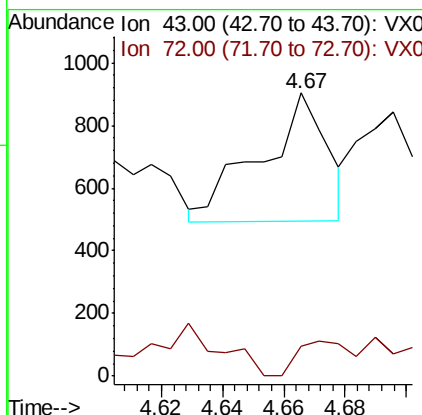
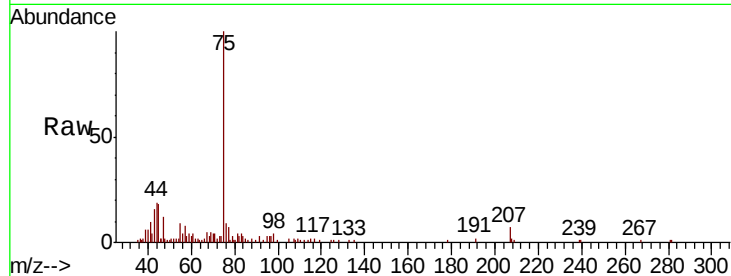




#25
2-Butanone
Concen: 0.233 ug/l
RT: 4.67 min Scan# 576
Delta R.T. 0.01 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

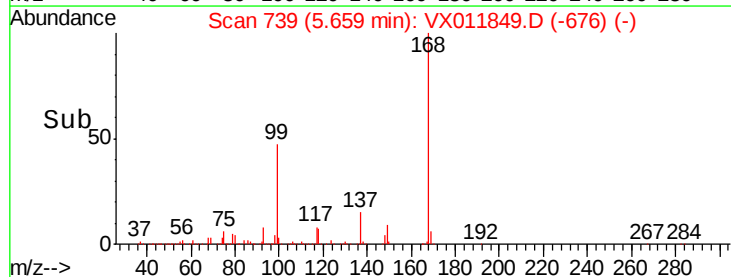
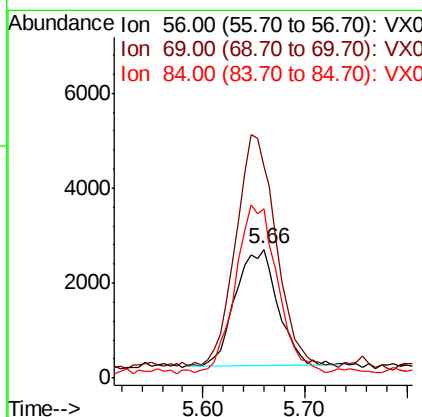
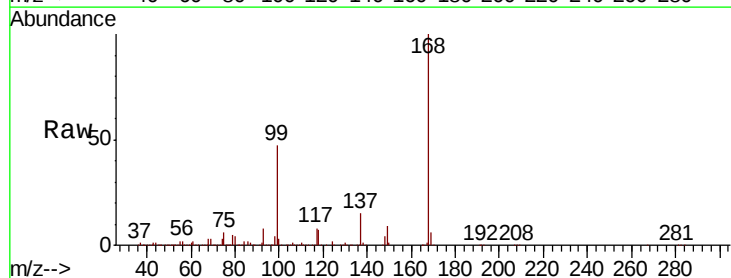
Instrument :
MSVOA_X
ClientSampled :
TB-1

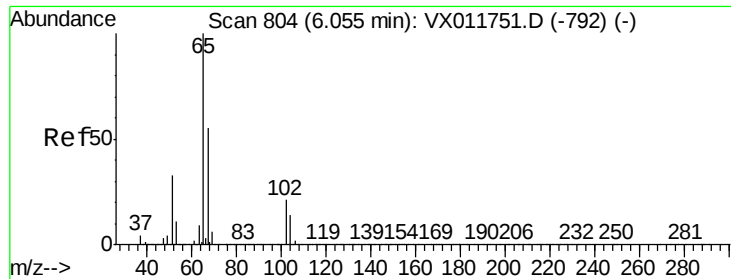
Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#



#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

Tgt Ion: 56 Resp: 7139
Ion Ratio Lower Upper
56 100
69 173.3 24.5 36.7#
84 138.2 72.7 109.1#

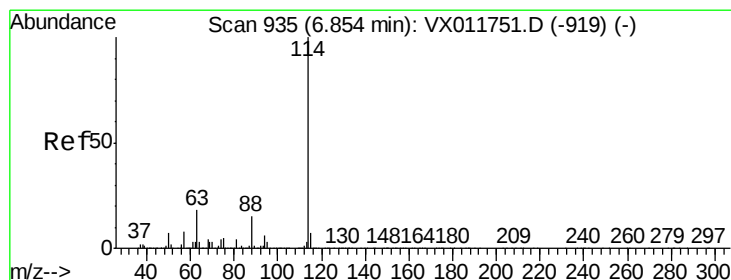
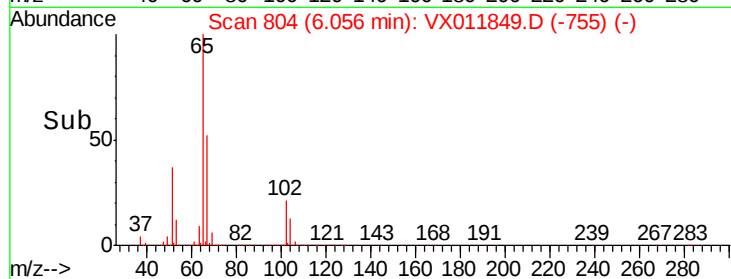
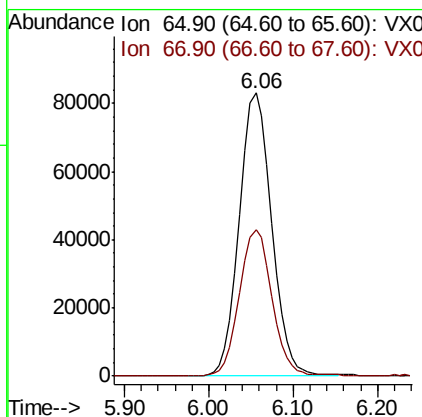
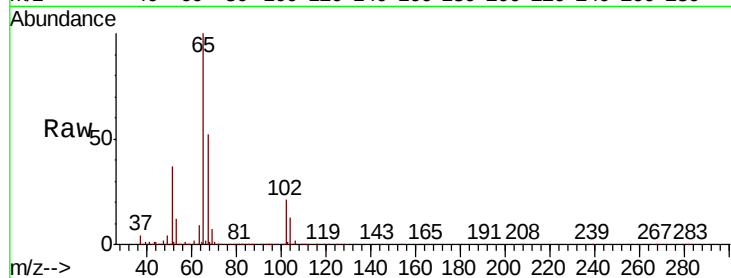




#33
 1,2-Dichloroethane-d4
 Concen: 50.308 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011849.D
 Acq: 27 Aug 2019 14:53

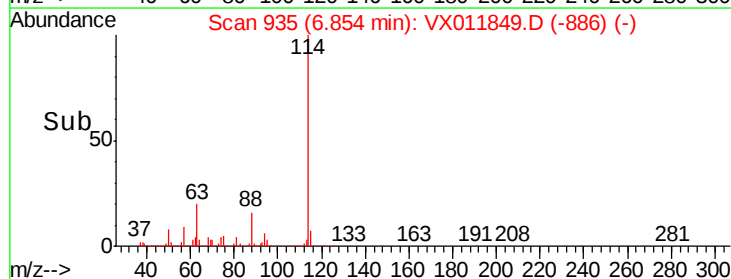
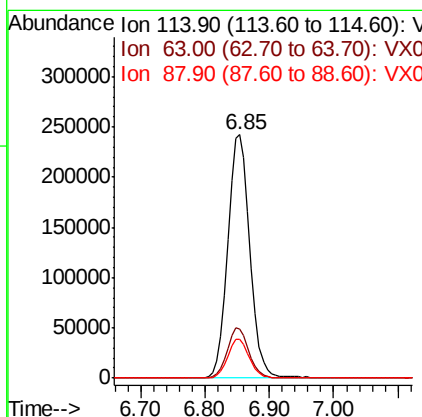
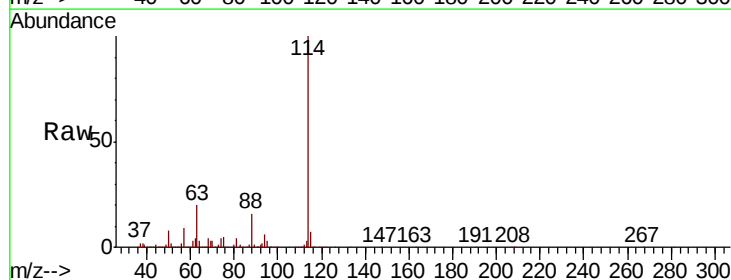
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 ClientSampleId :
 TB-1

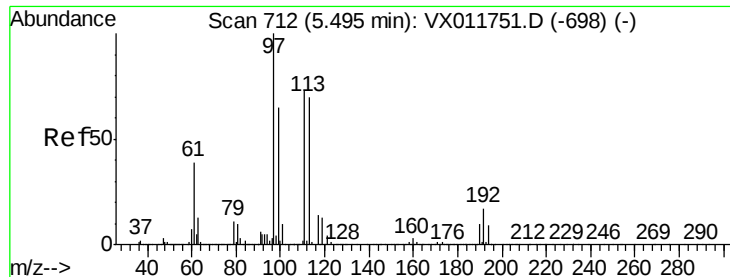
Tgt Ion: 65 Resp: 215575
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011849.D
 Acq: 27 Aug 2019 14:53

Tgt Ion: 114 Resp: 586803
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 36.8
 88 15.9 0.0 30.2

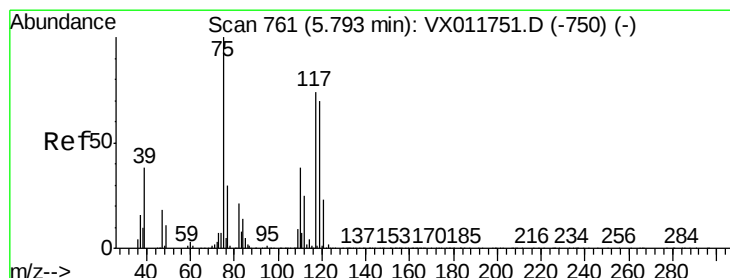
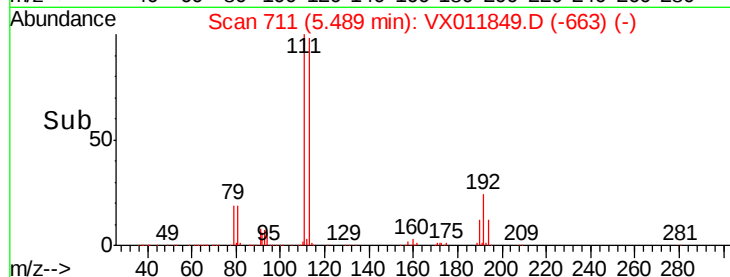
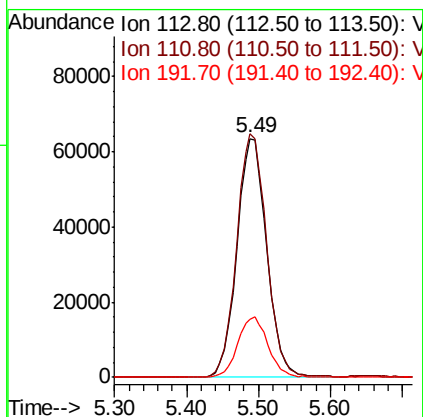
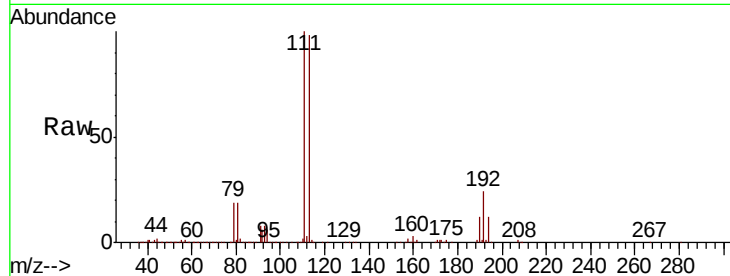




#35
 Dibromofluoromethane
 Concen: 47.962 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011849.D
 Acq: 27 Aug 2019 14:53

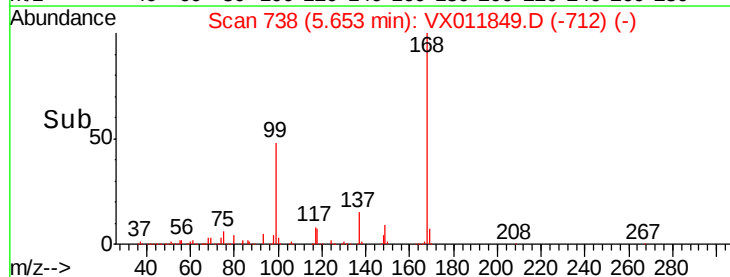
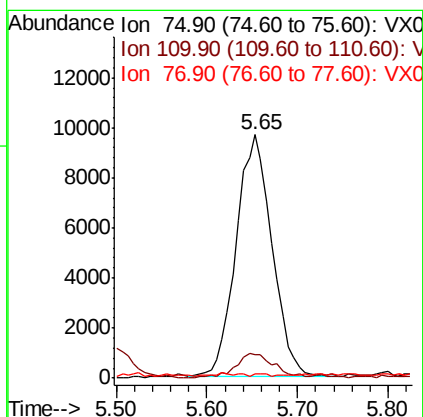
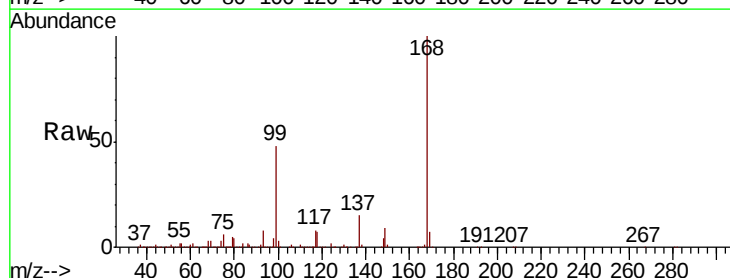
Instrument :
 MSVOA_X
 ClientSampleId :
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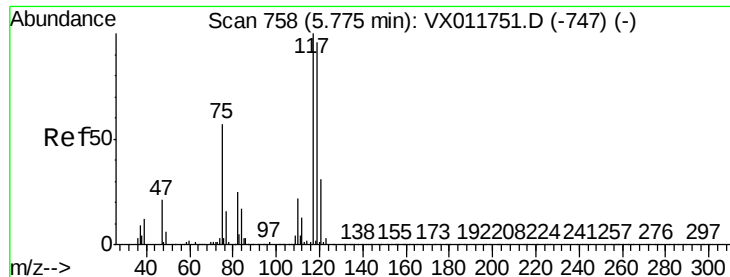
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.4
192	25.6	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.746 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011849.D
 Acq: 27 Aug 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	19.0	57.0#
77	0.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 7.159 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

TB-1

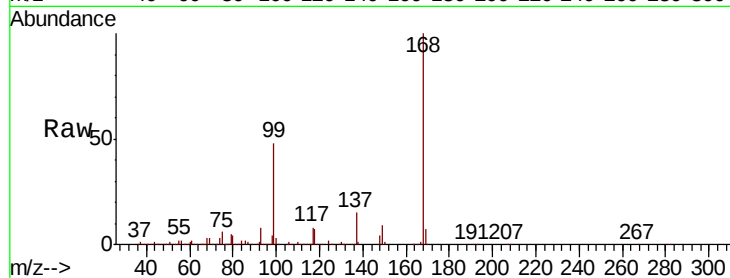
Tgt Ion:117 Resp: 37333

Ion Ratio Lower Upper

117 100

119 4.9 76.6 114.8#

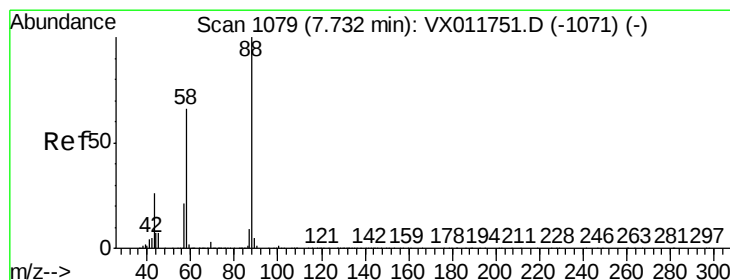
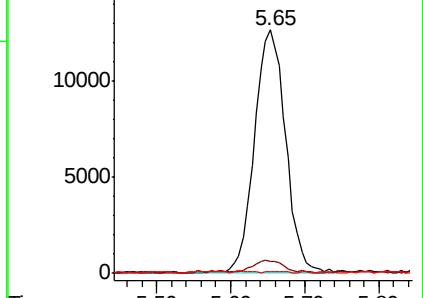
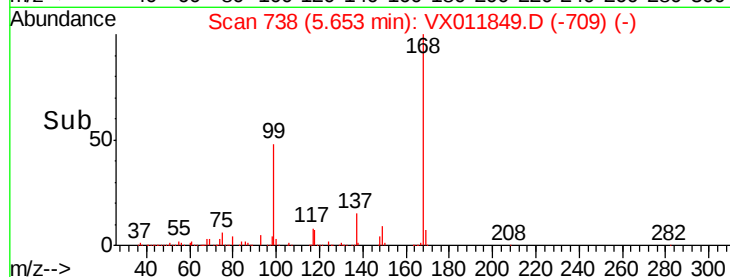
121 0.6 25.2 37.8#



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



#49

1,4-Dioxane

Concen: 0.212 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.02 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

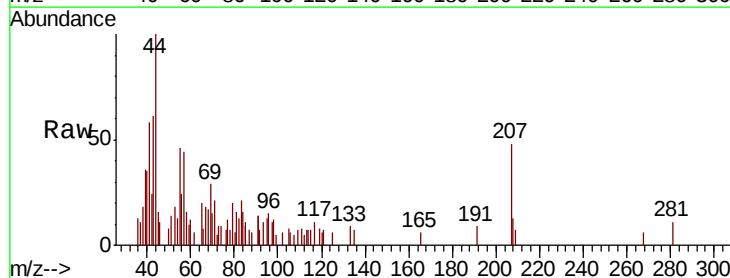
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 573.9 24.6 37.0#

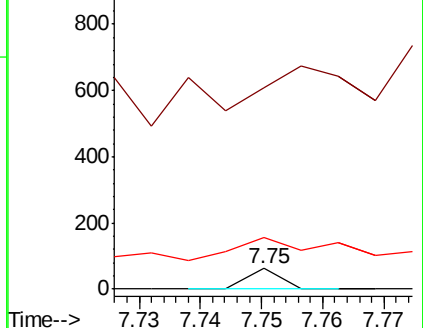
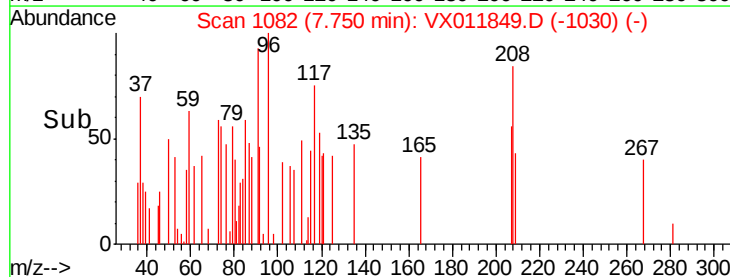
58 313.0 51.4 77.2#

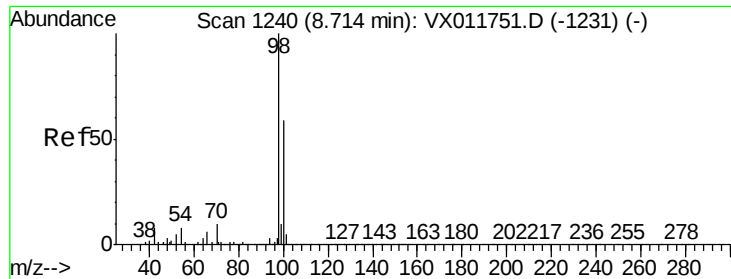


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

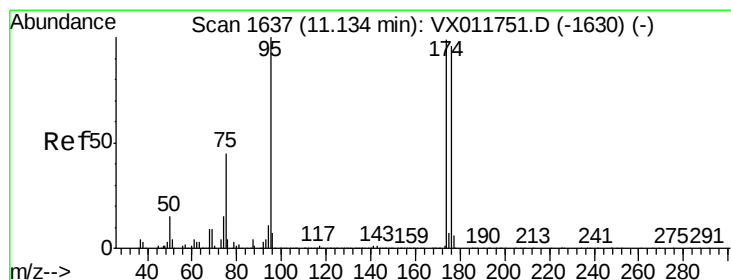
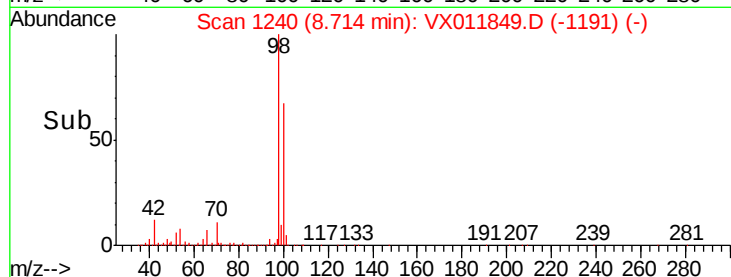
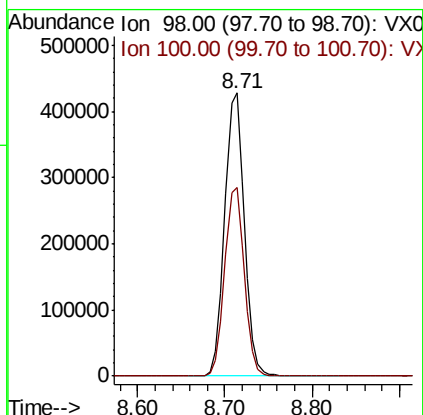
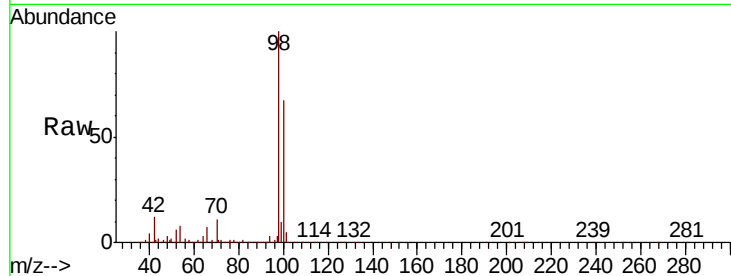




#50
Toluene-d8
Concen: 50.398 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

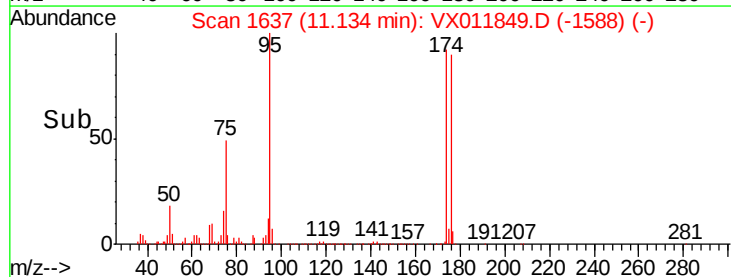
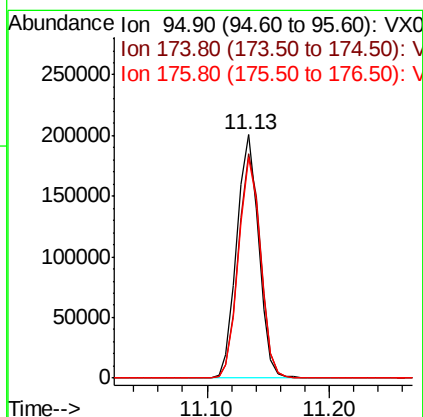
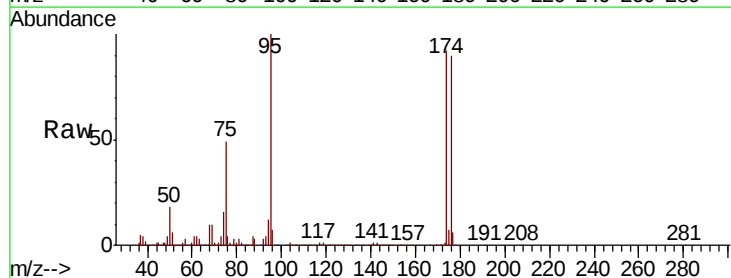
Instrument :
MSVOA_X
ClientSampleId :
TB-1

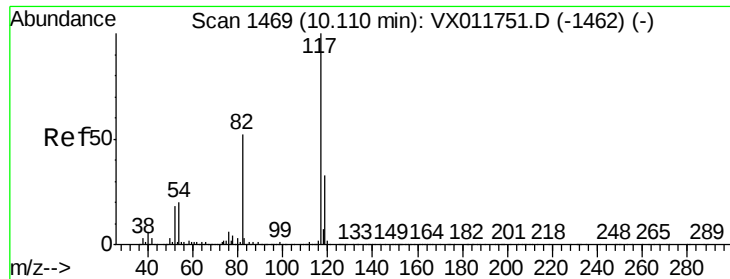
Tgt Ion: 98 Resp: 667028
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.353 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

Tgt Ion: 95 Resp: 247721
Ion Ratio Lower Upper
95 100
174 93.5 0.0 197.4
176 91.2 0.0 194.4

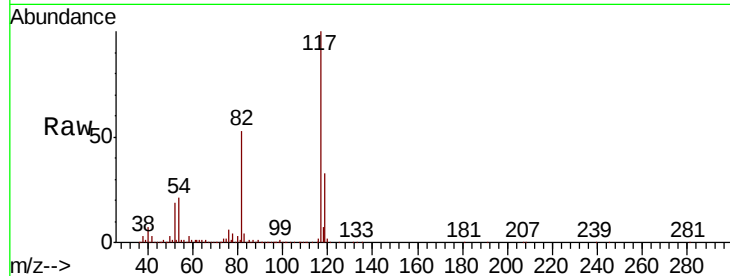




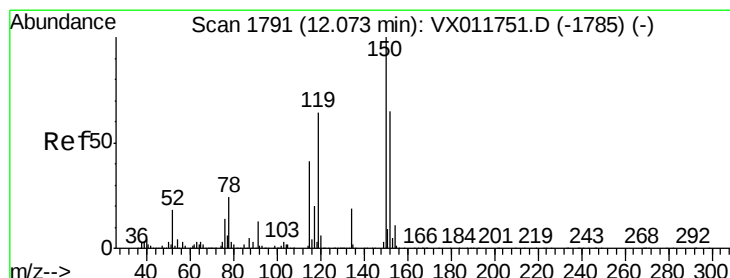
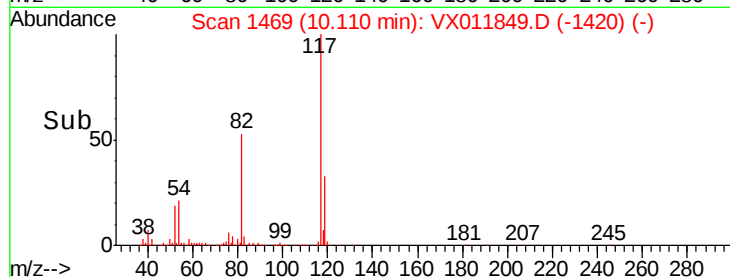
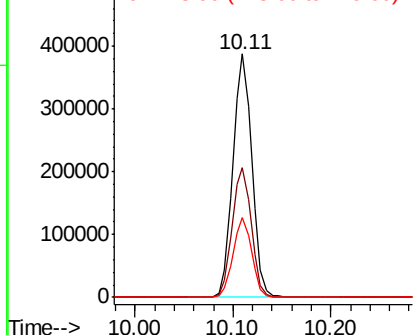
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

Instrument :
MSVOA_X
ClientSampled :
TB-1

Tgt Ion:117 Resp: 522174
Ion Ratio Lower Upper
117 100
82 53.4 41.7 62.5
119 32.7 26.2 39.2

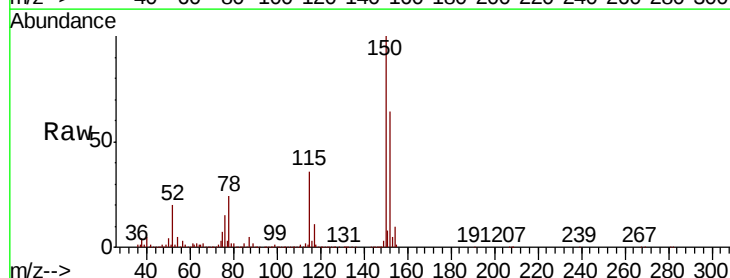


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

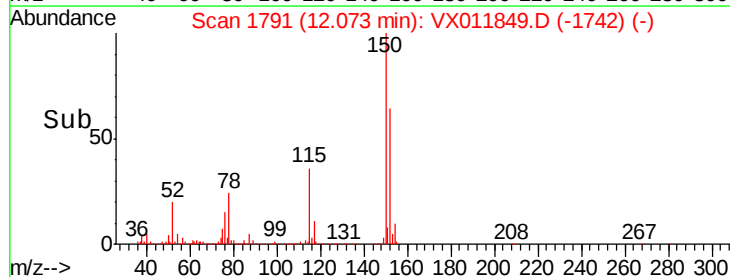
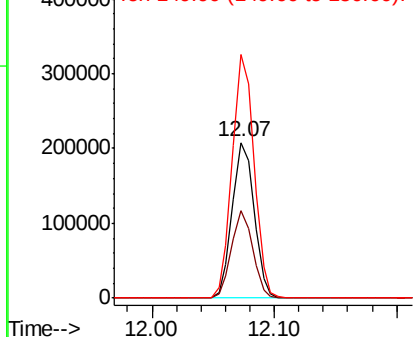


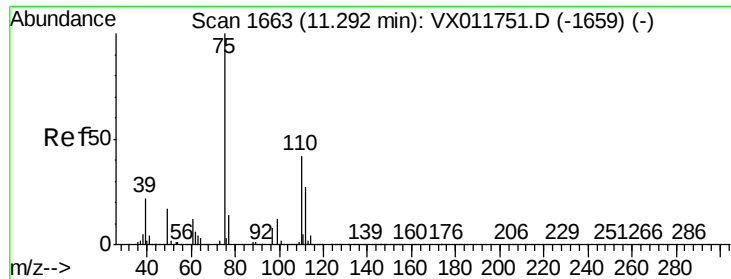
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011849.D
Acq: 27 Aug 2019 14:53

Tgt Ion:152 Resp: 258051
Ion Ratio Lower Upper
152 100
115 54.5 37.3 111.8
150 155.5 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





#76

1,2,3-Trichloropropane

Concen: 27.026 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

Instrument :

MSVOA_X

ClientSampled :

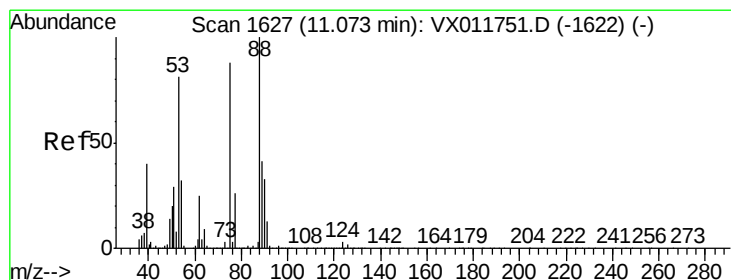
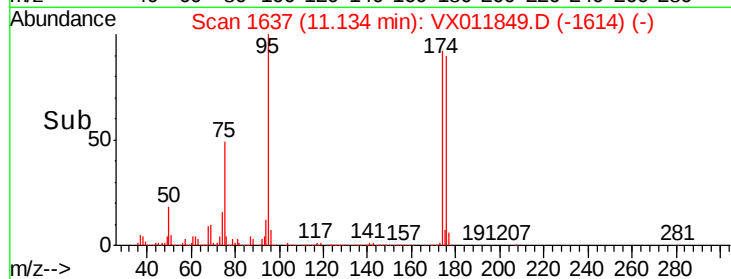
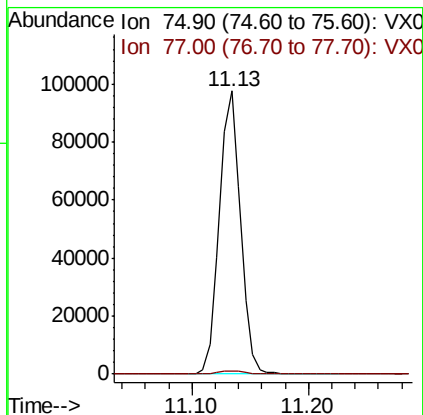
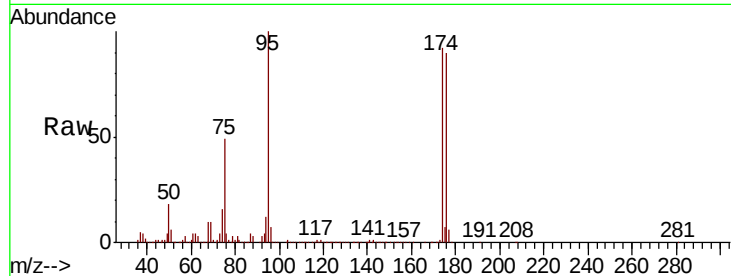
TB-1

Tgt Ion: 75 Resp: 122372

Ion Ratio Lower Upper

75 100

77 1.1 21.1 63.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.504 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011849.D

Acq: 27 Aug 2019 14:53

Tgt Ion: 75 Resp: 122372

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.1 38.5 57.7#

