

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002165.D
 Acq On : 31 May 2018 04:50
 Operator : JC/MD
 Sample : J3185-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38

Quant Time: May 31 06:39:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	403341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200942	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	181210	36.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.40%	
35) Dibromofluoromethane	5.51	113	133835	33.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.36%	
50) Toluene-d8	8.72	98	543092	37.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.38%	
62) 4-Bromofluorobenzene	11.14	95	191901	33.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.18%	

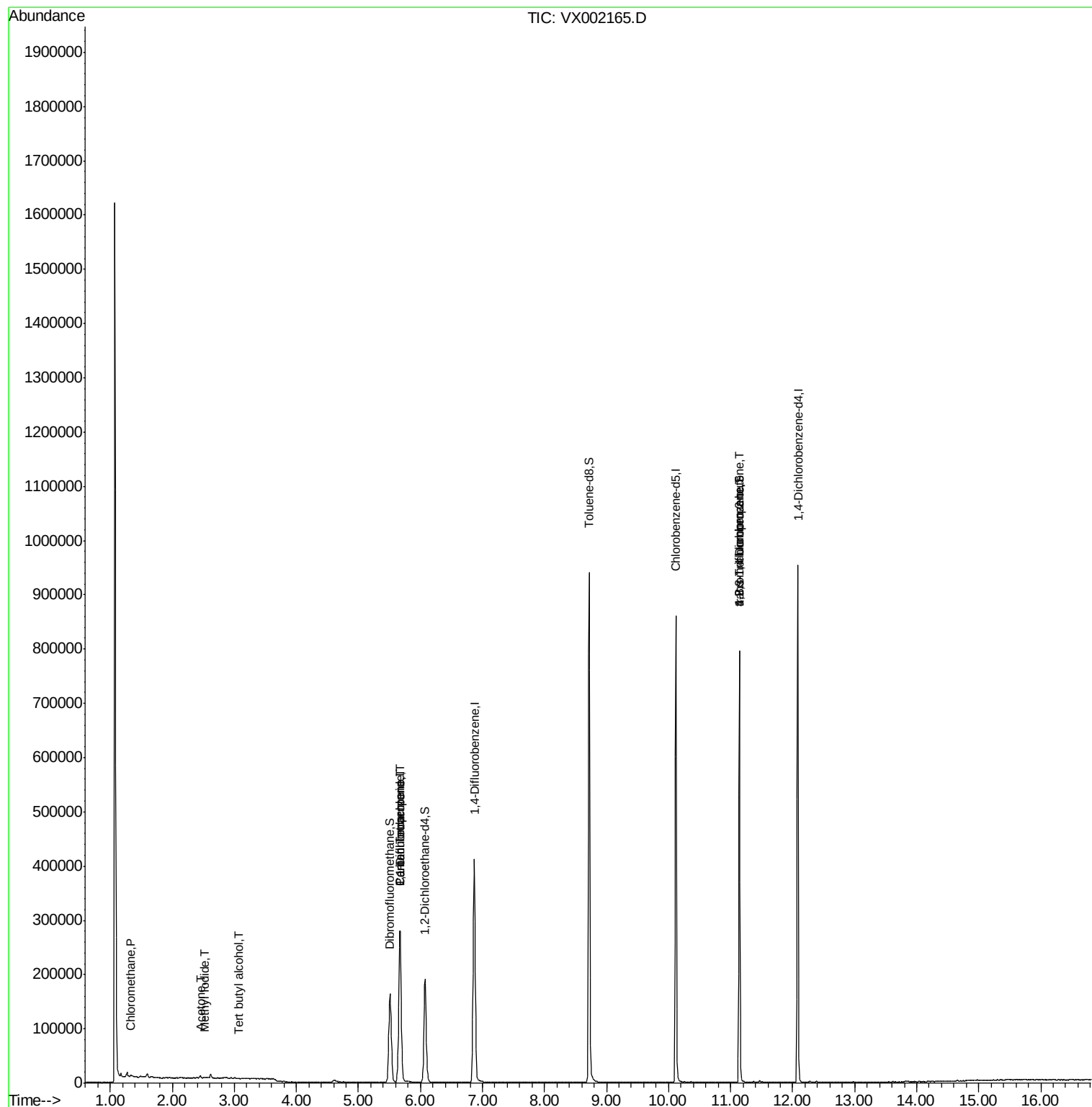
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	869	0.20	ug/l	95
5) Bromomethane	1.66	94	1368	Below	Cal	98
10) Methyl Iodide	2.53	142	1510	0.32	ug/l #	88
11) Tert butyl alcohol	3.06	59	457	0.47	ug/l #	1
16) Acetone	2.45	43	5618	2.91	ug/l #	88
18) Methyl Acetate	2.78	43	271	Below	Cal #	72
20) Methylene Chloride	2.85	84	868	Below	Cal #	60
21) trans-1,2-Dichloroethene	3.17	96	189	Below	Cal #	14
28) Bromochloromethane	5.06	49	26	Below	Cal #	14
36) 1,1-Dichloropropene	5.67	75	20160	3.59	ug/l #	51
38) Carbon Tetrachloride	5.67	117	26301	4.02	ug/l #	14
41) Methacrylonitrile	5.07	41	138	Below	Cal #	54
74) N-amyl acetate	6.46	43	236	Below	Cal #	60
75) 1,1,2,2-Tetrachloroethane	11.19	83	23	Below	Cal #	25
76) 1,2,3-Trichloropropane	11.14	75	103521	21.45	ug/l #	33
79) 2-Chlorotoluene	11.52	91	171	Below	Cal	90
81) trans-1,4-Dichloro-2-buten	11.14	75	103521	51.55	ug/l #	10

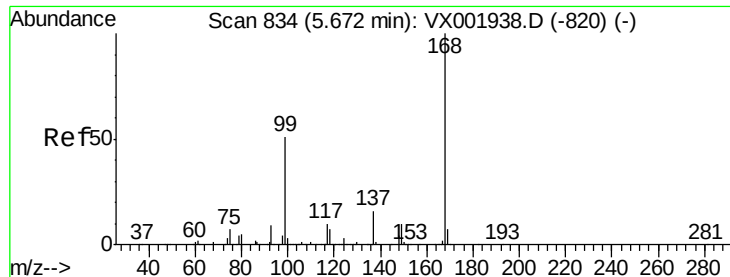
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Instrument :

MSVOA_X

ClientSampleId :

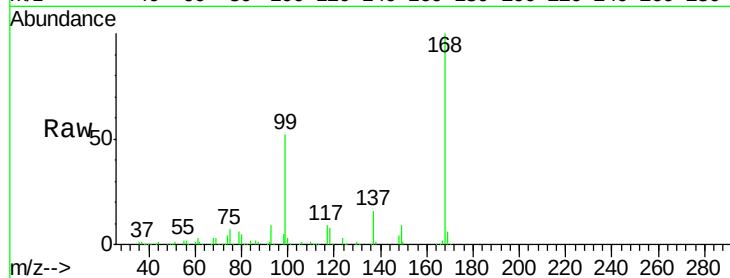
MW-38

Tgt Ion:168 Resp: 280067

Ion Ratio Lower Upper

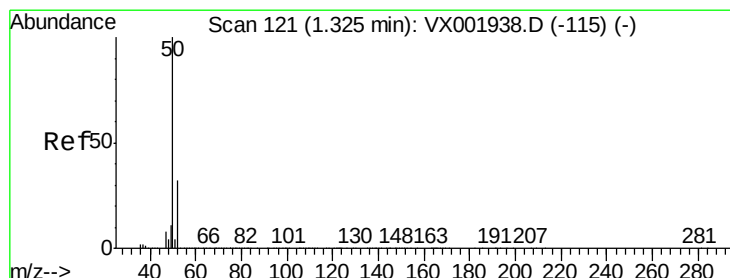
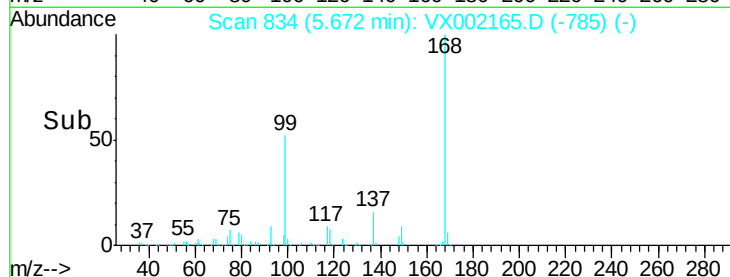
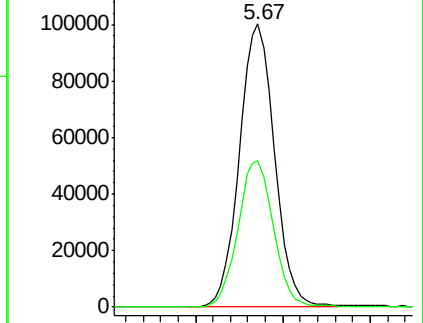
168 100

99 51.7 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002165.D

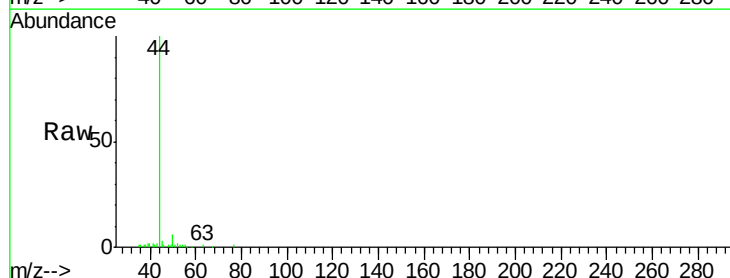
Acq: 31 May 2018 04:50

Tgt Ion: 50 Resp: 869

Ion Ratio Lower Upper

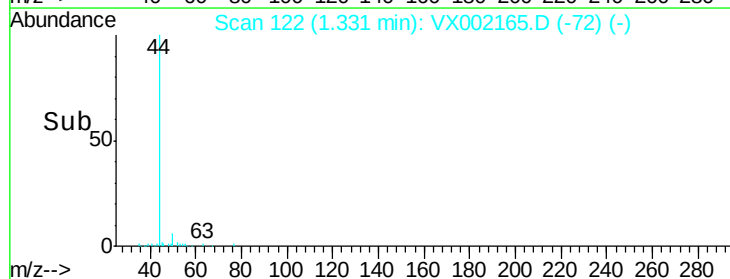
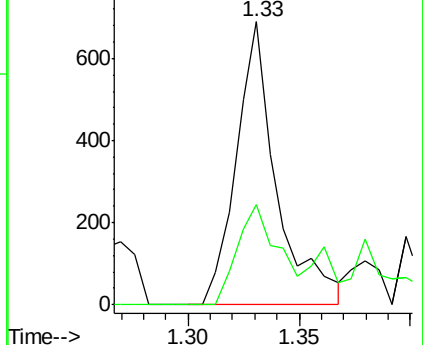
50 100

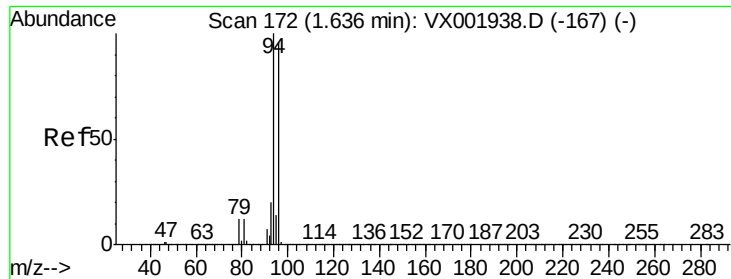
52 35.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Instrument :

MSVOA_X

ClientSampleId :

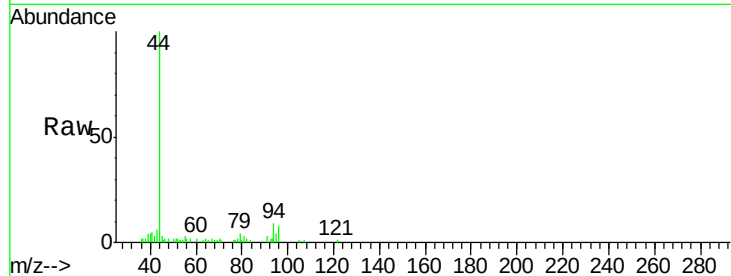
MW-38

Tgt Ion: 94 Resp: 1368

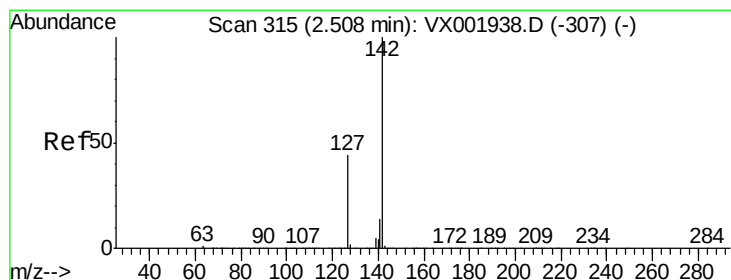
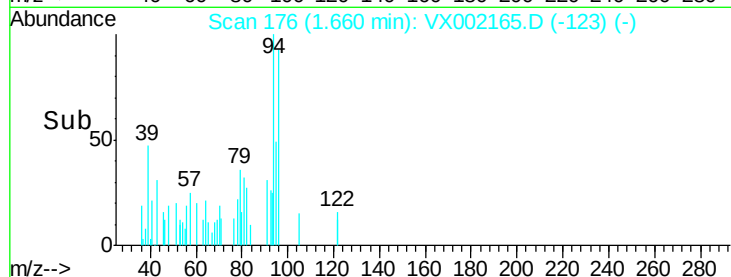
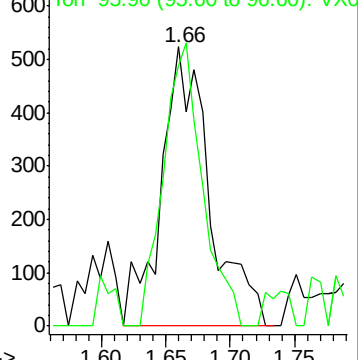
Ion Ratio Lower Upper

94 100

96 93.3 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX001938.D (-167) (-)



#10

Methyl Iodide

Concen: 0.32 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

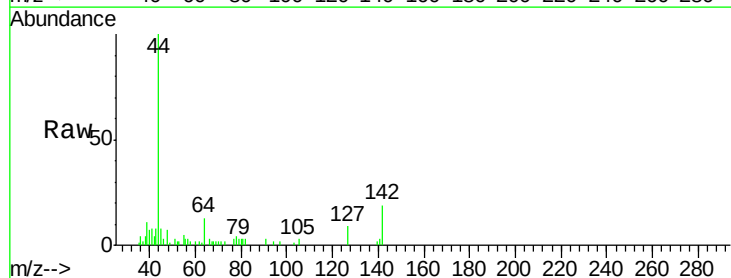
Tgt Ion: 142 Resp: 1510

Ion Ratio Lower Upper

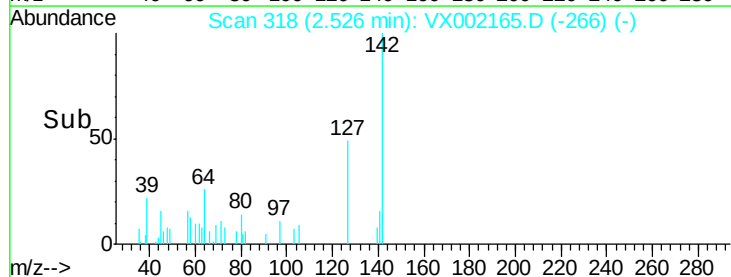
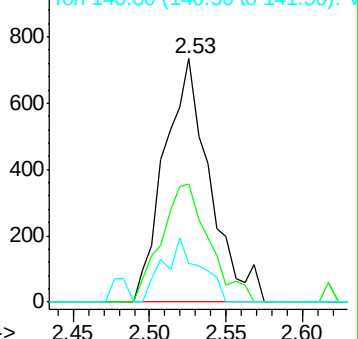
142 100

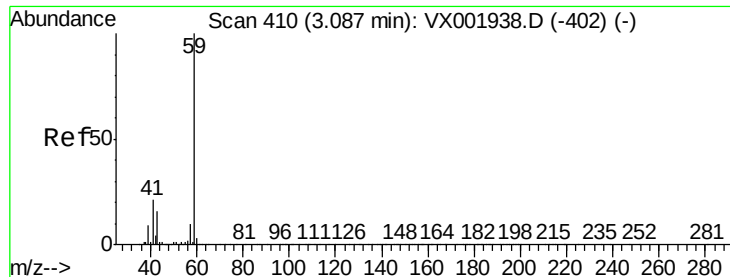
127 51.1 35.5 53.3

141 21.3 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VX001938.D (-307) (-)

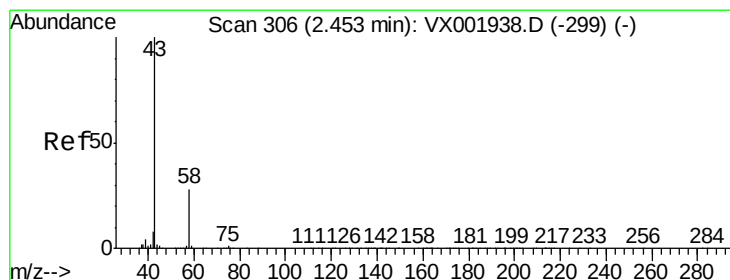
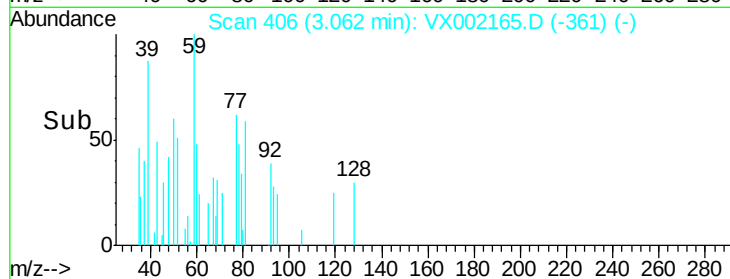
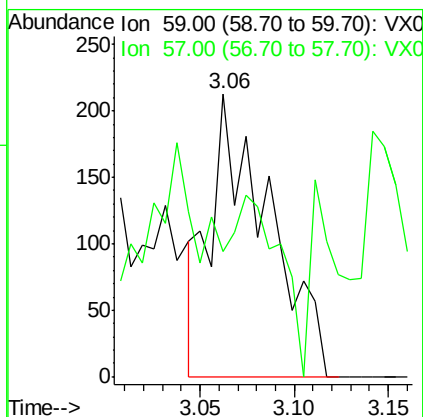
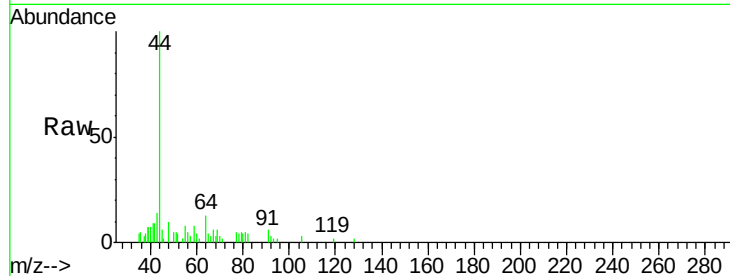




#11
Tert butyl alcohol
Concen: 0.47 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

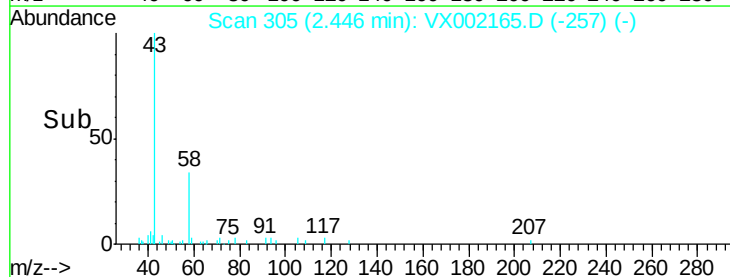
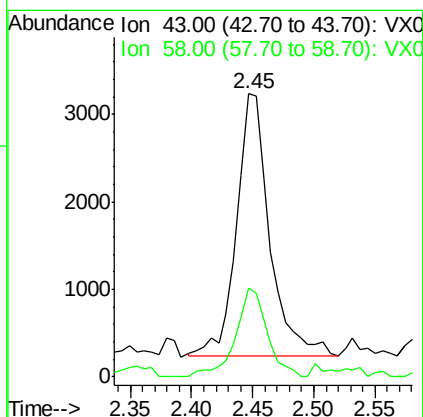
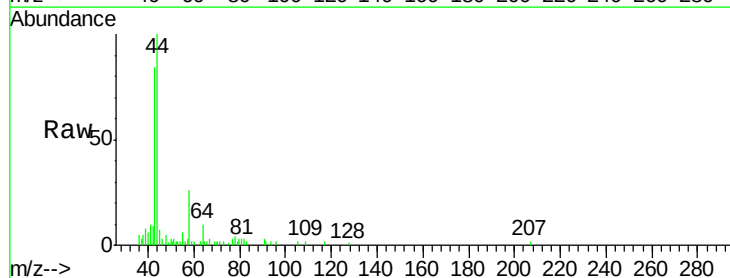
Instrument :
MSVOA_X
ClientSampled :
MW-38

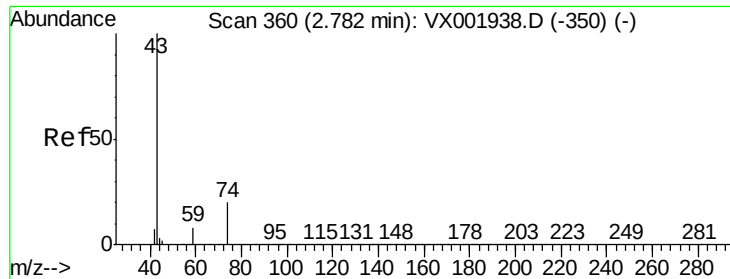
Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 51.6 8.9 13.3#



#16
Acetone
Concen: 2.91 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

Tgt Ion: 43 Resp: 5618
Ion Ratio Lower Upper
43 100
58 34.0 22.3 33.5#

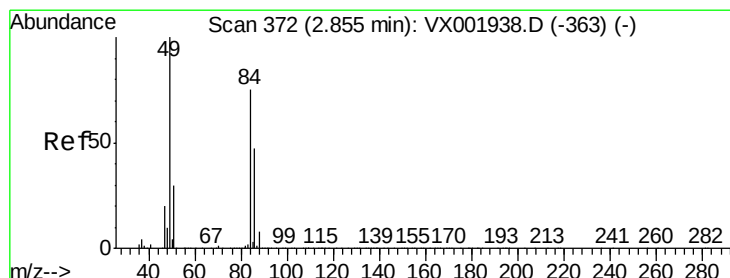
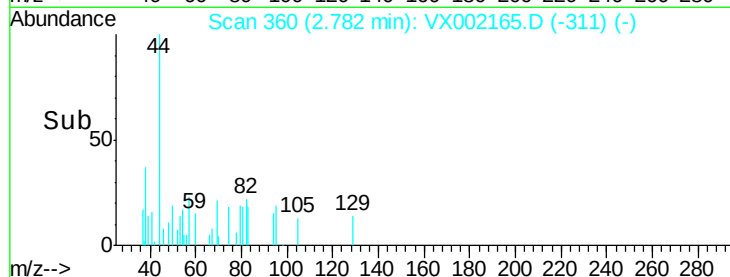
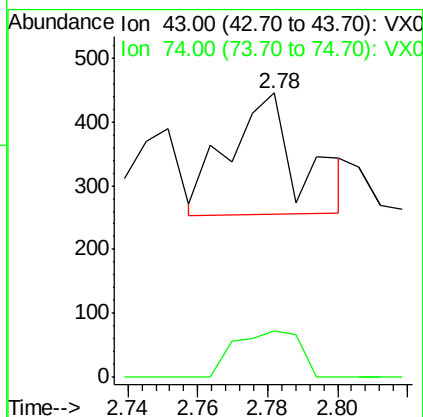
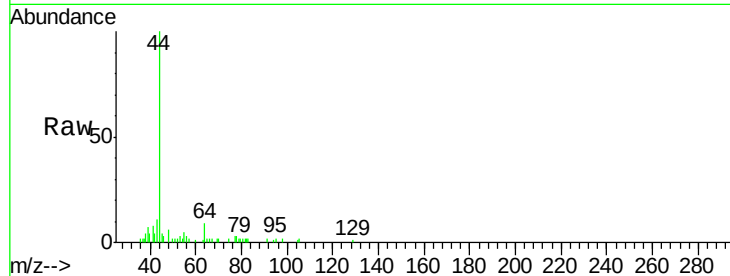




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

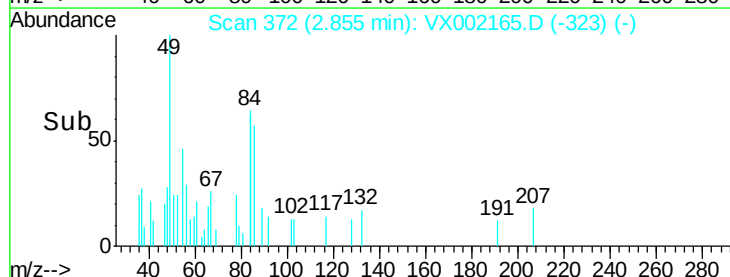
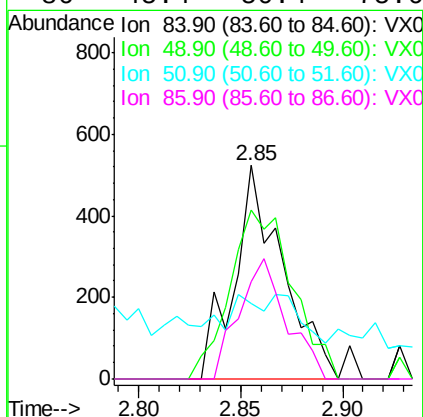
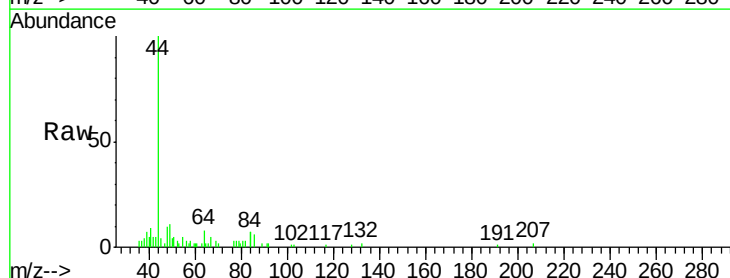
Instrument :
MSVOA_X
ClientSampleId :
MW-38

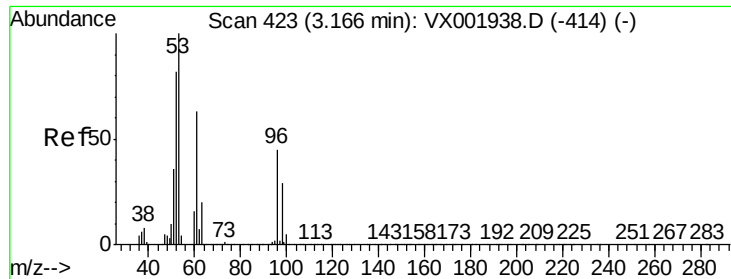
Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
74 33.9 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

Tgt Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 79.2 107.2 160.8#
51 12.2 32.4 48.6#
86 45.4 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Instrument :

MSVOA_X

ClientSampled :

MW-38

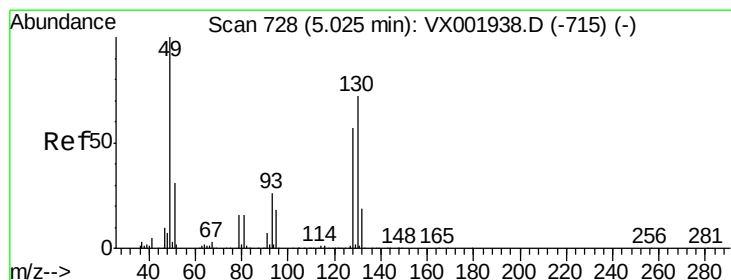
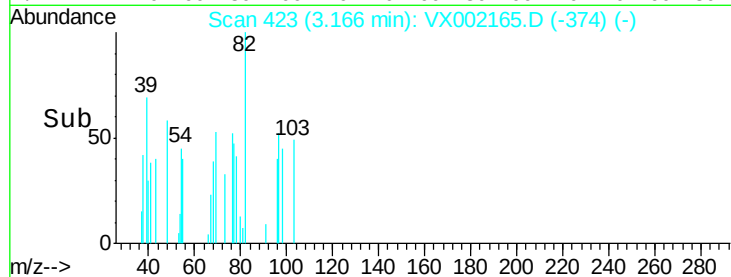
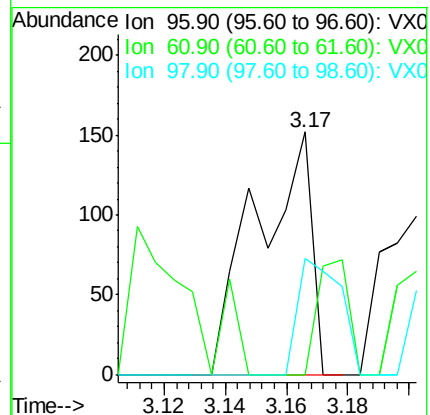
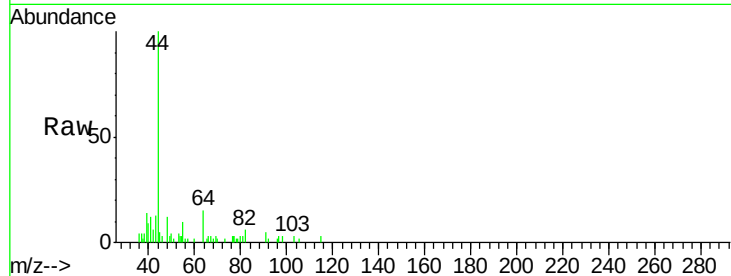
Tgt Ion: 96 Resp: 189

Ion Ratio Lower Upper

96 100

61 0.0 113.3 169.9#

98 48.0 51.7 77.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.06 min Scan# 734

Delta R.T. 0.04 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

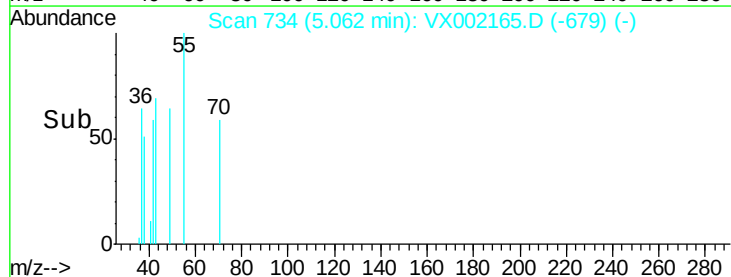
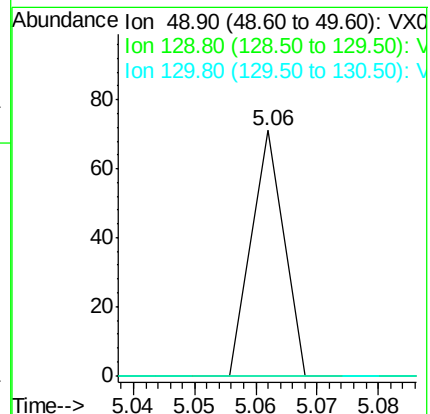
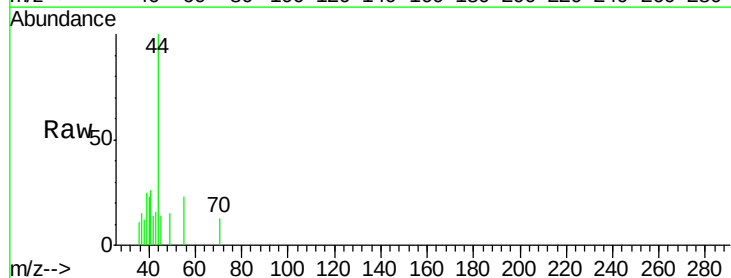
Tgt Ion: 49 Resp: 26

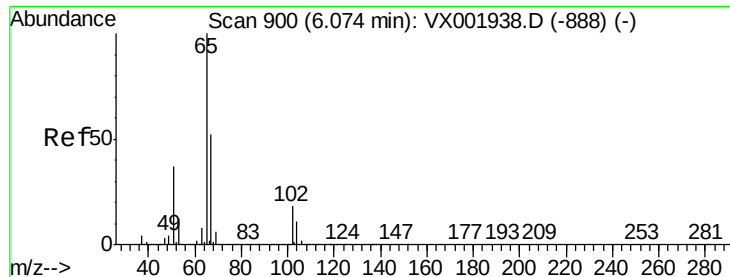
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 59.4 89.2#

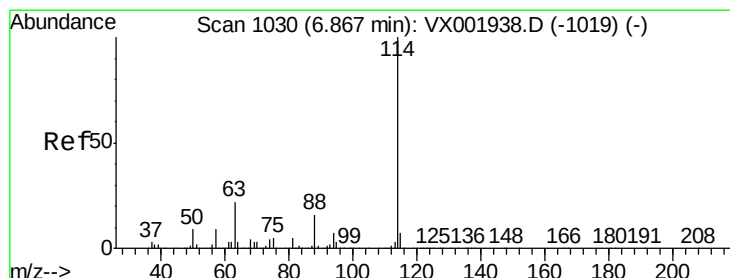
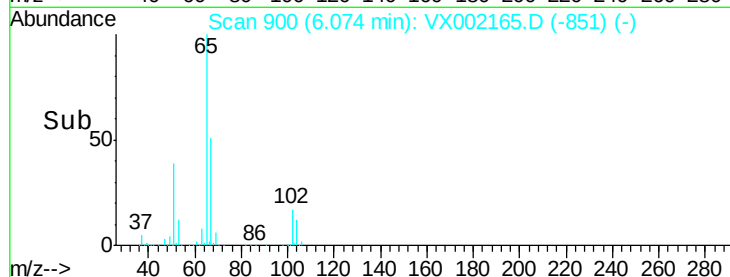
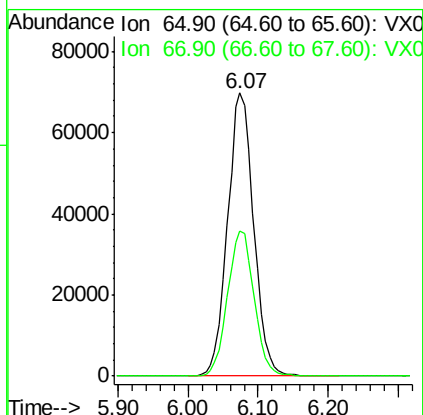
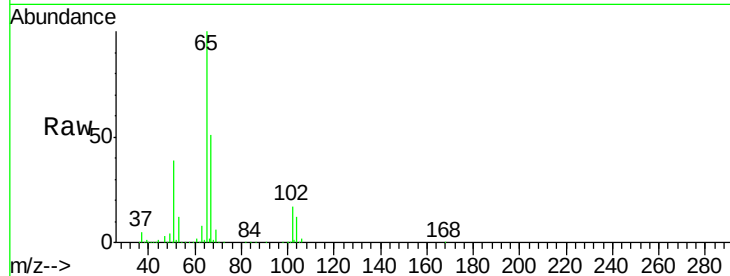




#33
 1,2-Dichloroethane-d4
 Concen: 36.20 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002165.D
 Acq: 31 May 2018 04:50

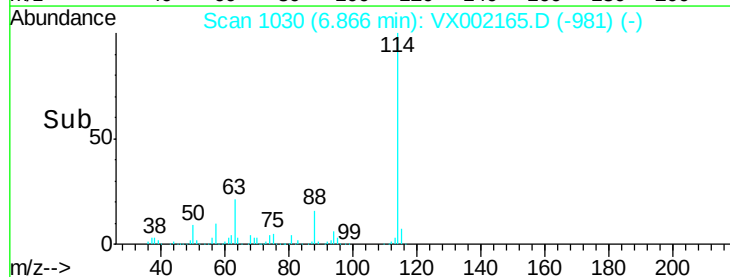
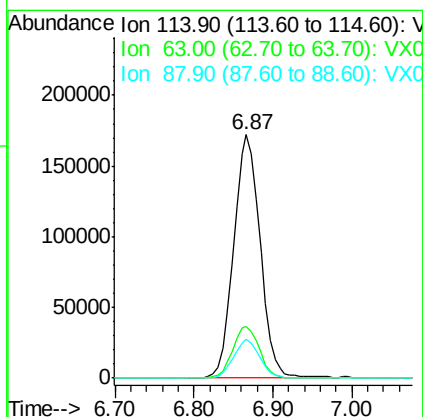
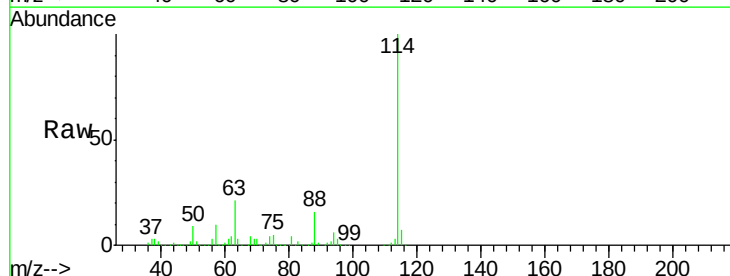
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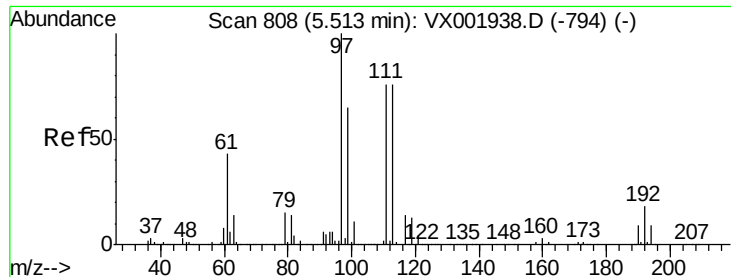
Tgt Ion: 65 Resp: 181210
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002165.D
 Acq: 31 May 2018 04:50

Tgt Ion: 114 Resp: 403341
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 15.8 0.0 31.6

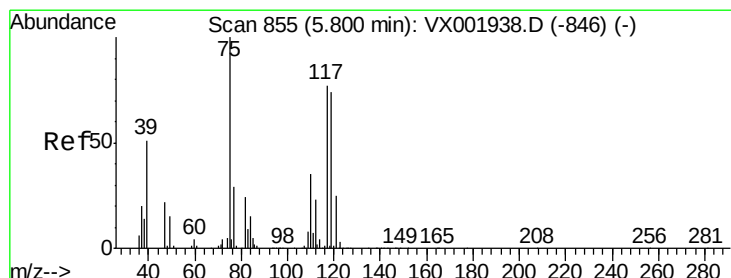
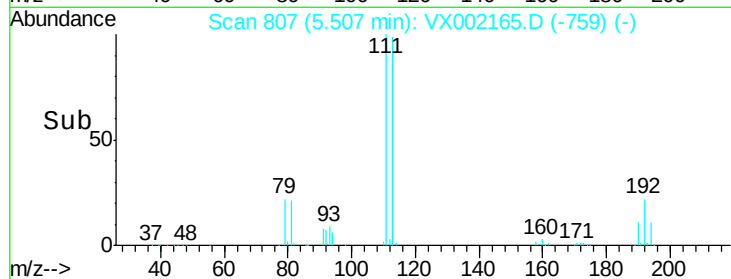
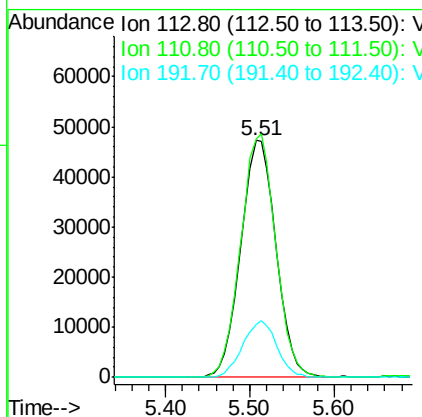
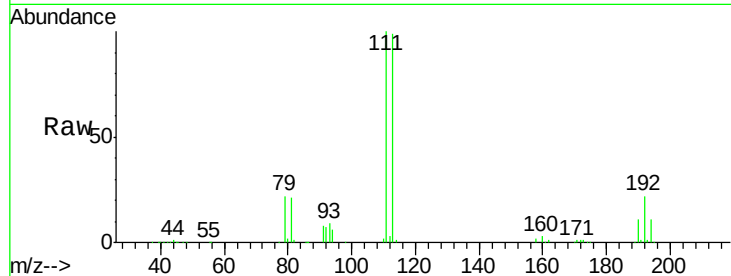




#35
 Dibromofluoromethane
 Concen: 33.18 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002165.D
 Acq: 31 May 2018 04:50

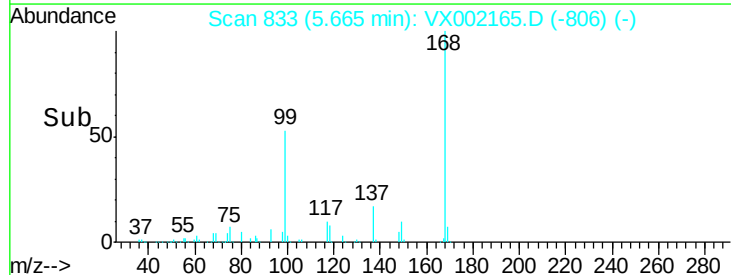
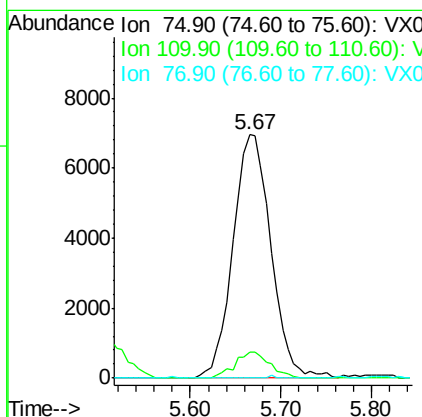
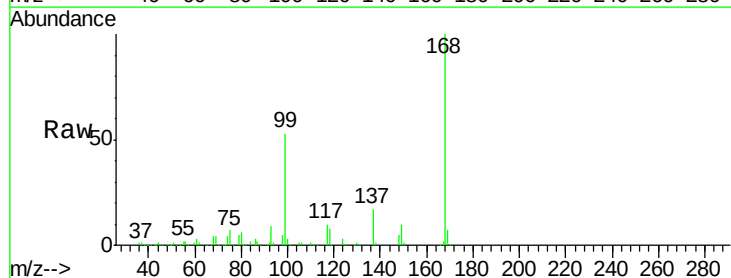
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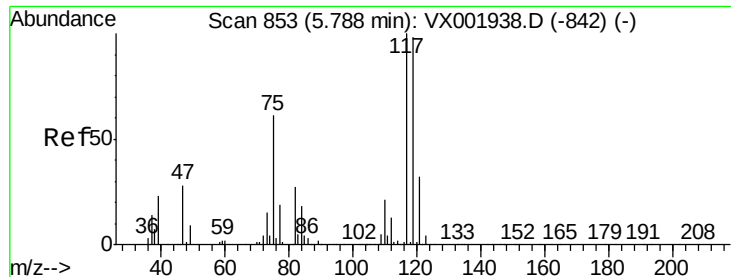
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	23.2	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 3.59 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002165.D
 Acq: 31 May 2018 04:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.4	52.2#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.02 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Instrument :

MSVOA_X

ClientSampleId :

MW-38

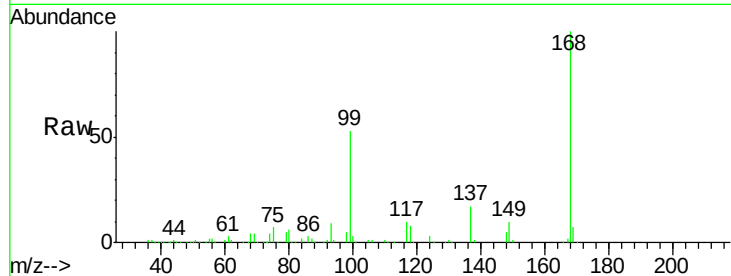
Tgt Ion: 117 Resp: 26301

Ion Ratio Lower Upper

117 100

119 4.3 78.5 117.7#

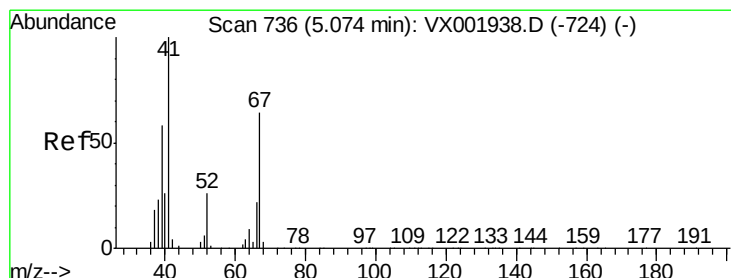
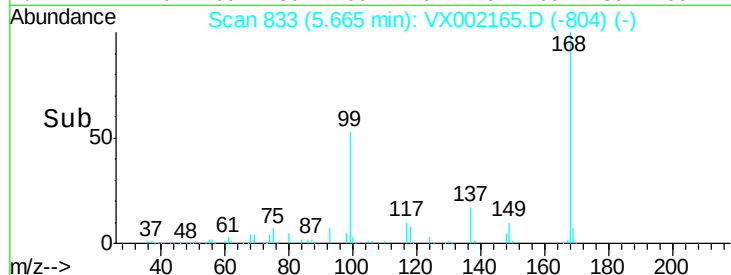
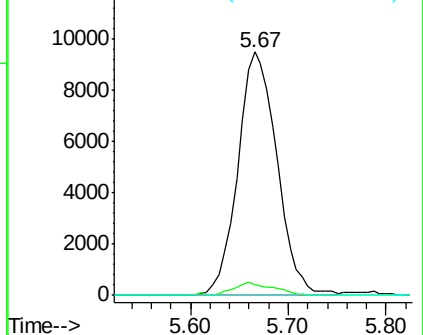
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Tgt Ion: 41 Resp: 138

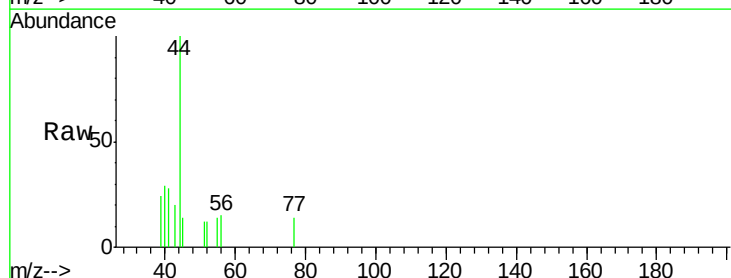
Ion Ratio Lower Upper

41 100

39 45.7 46.0 69.0#

67 0.0 50.6 75.8#

52 14.5 21.9 32.9#

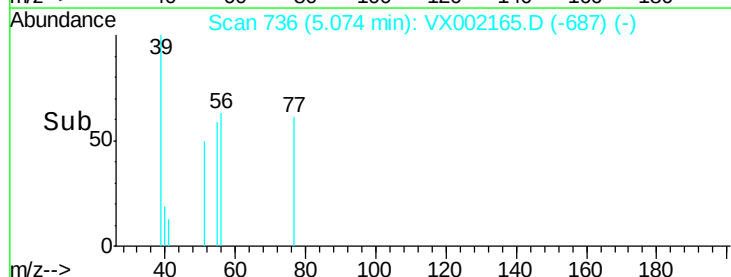
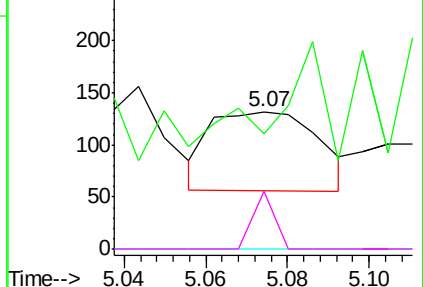


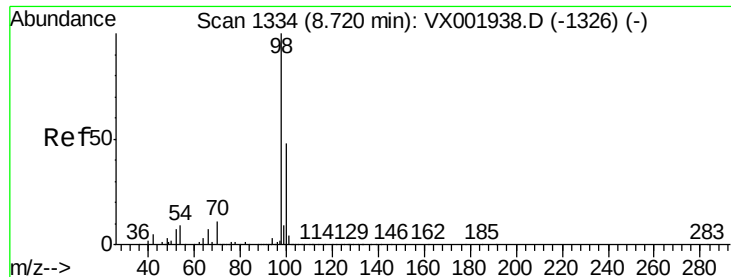
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

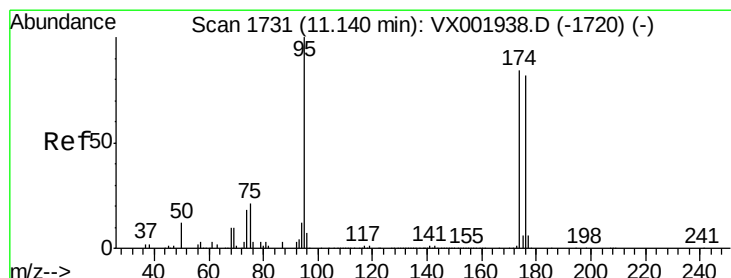
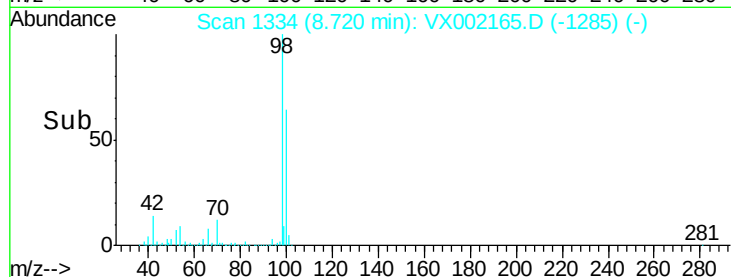
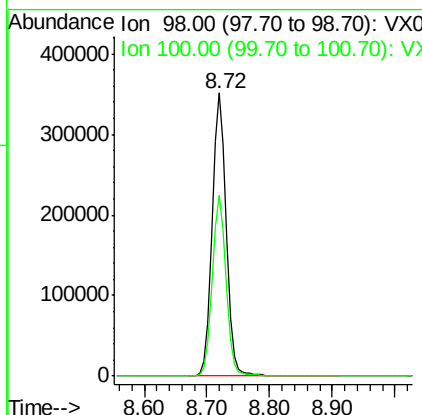
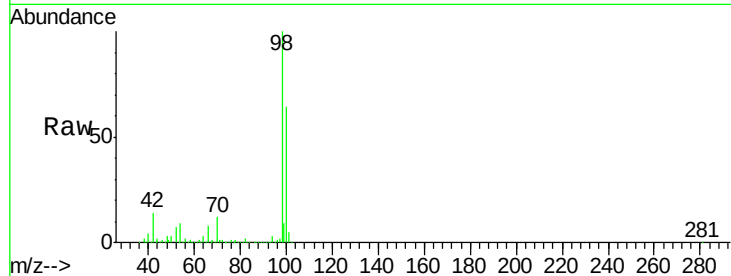




#50
Toluene-d8
Concen: 37.19 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

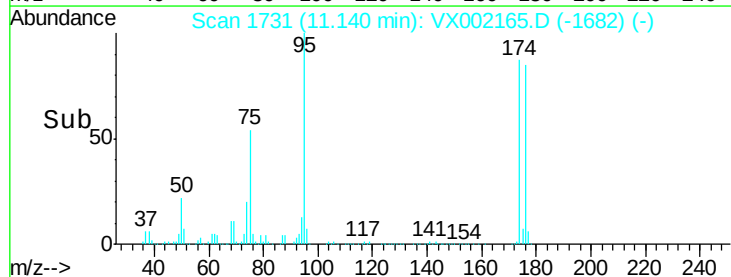
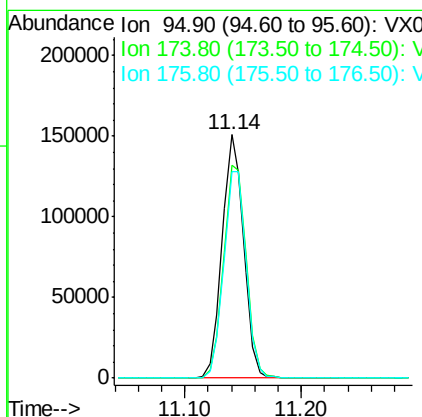
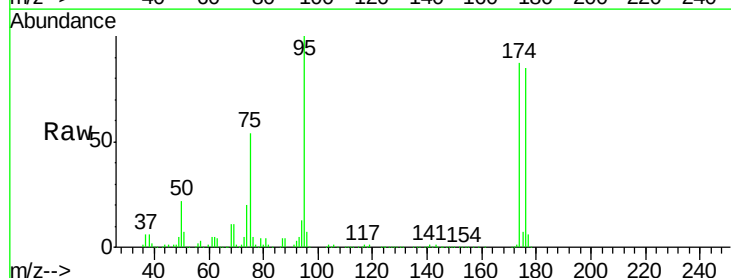
Instrument :
MSVOA_X
ClientSampleId :
MW-38

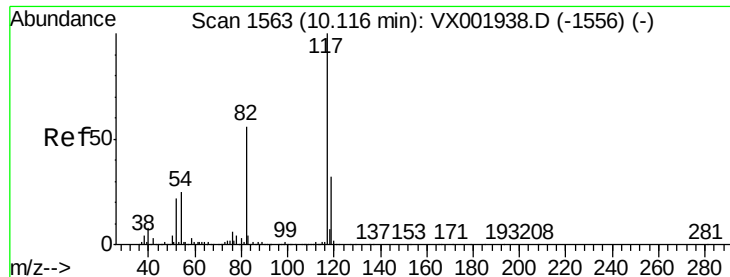
Tgt Ion: 98 Resp: 543092
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 33.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

Tgt Ion: 95 Resp: 191901
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.8
176 88.9 0.0 175.6

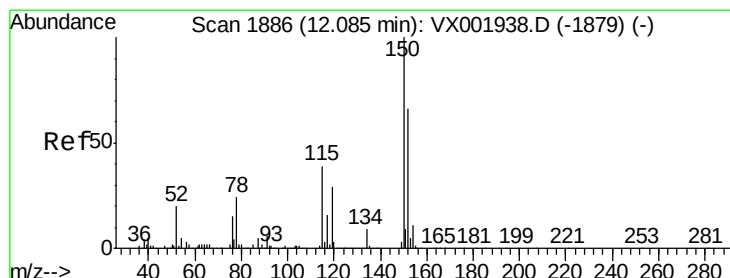
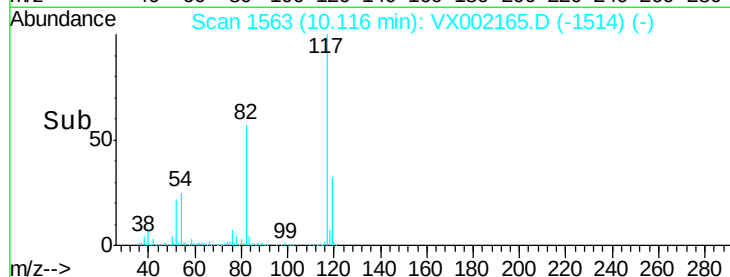
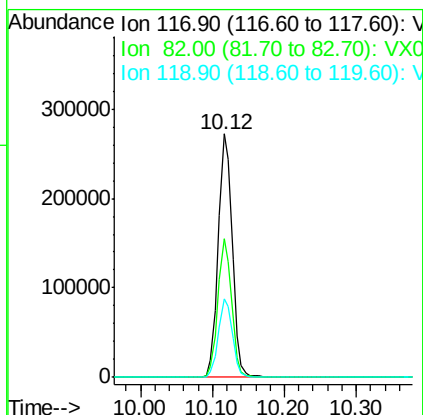
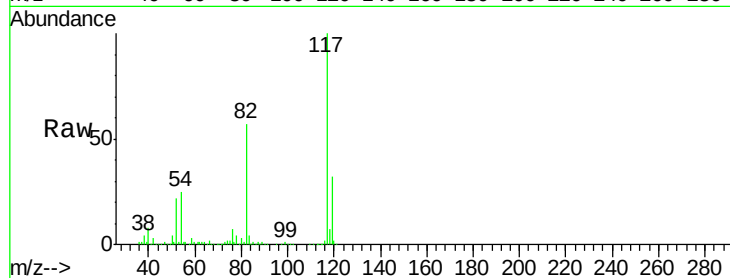




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

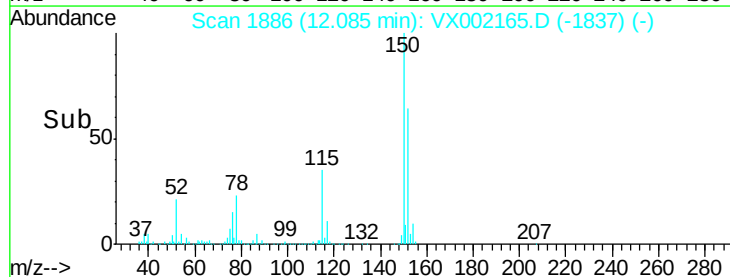
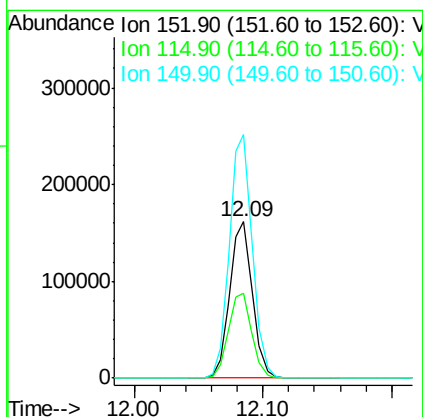
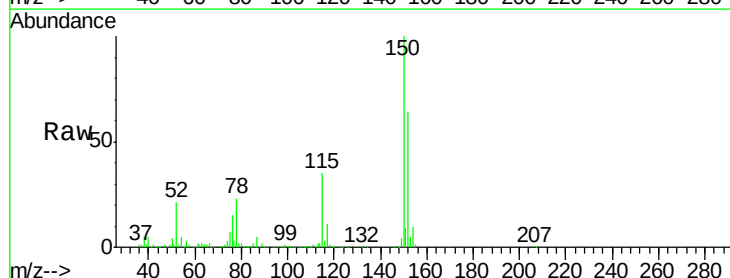
Instrument :
MSVOA_X
ClientSampleId :
MW-38

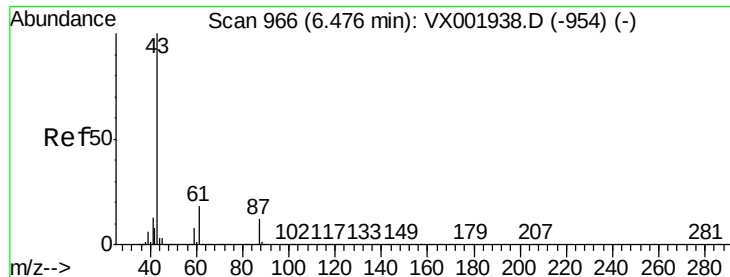
Tgt Ion:117 Resp: 365488
Ion Ratio Lower Upper
117 100
82 57.0 44.8 67.2
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002165.D
Acq: 31 May 2018 04:50

Tgt Ion:152 Resp: 200942
Ion Ratio Lower Upper
152 100
115 55.8 42.3 126.8
150 156.4 0.0 351.0





#74

N-amyI acetate

Concen: Below Cal

RT: 6.46 min Scan# 963

Delta R.T. -0.02 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Instrument :

MSVOA_X

ClientSampleId :

MW-38

Tgt Ion: 43 Resp: 236

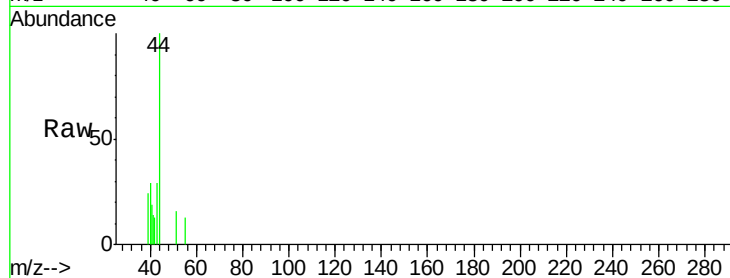
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 41.1 0.1 0.1#

61 0.0 14.5 21.7#

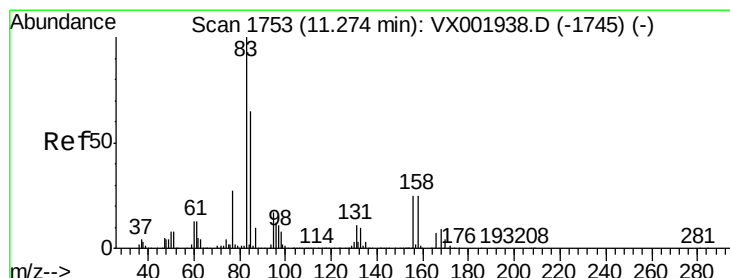
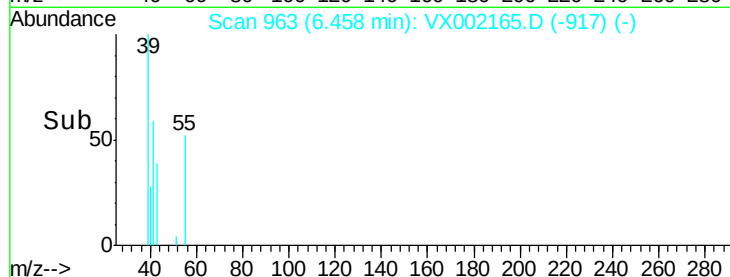
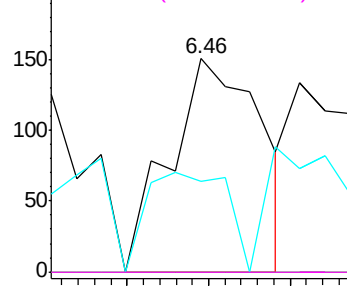


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.19 min Scan# 1740

Delta R.T. -0.08 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

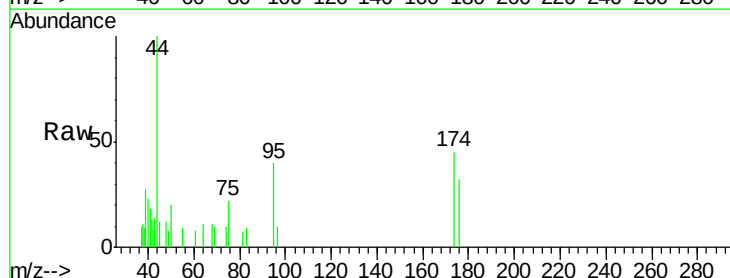
Tgt Ion: 83 Resp: 23

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

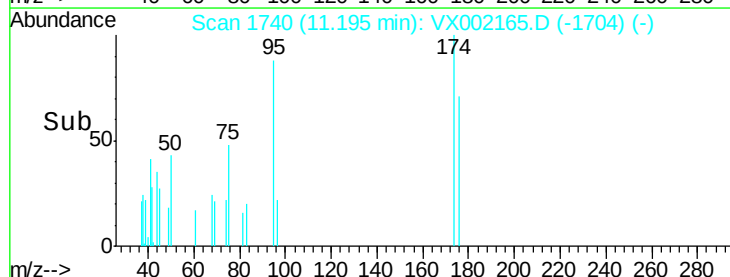
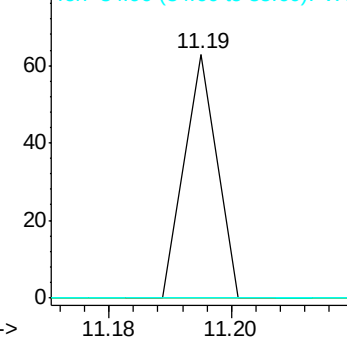
85 0.0 32.6 97.7#

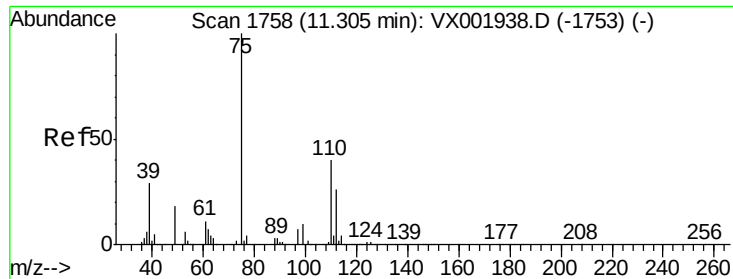


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Instrument :

MSVOA_X

ClientSampled :

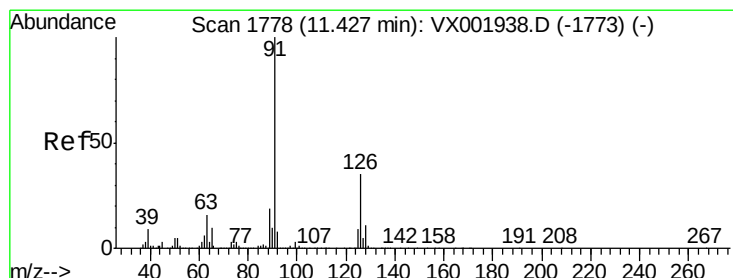
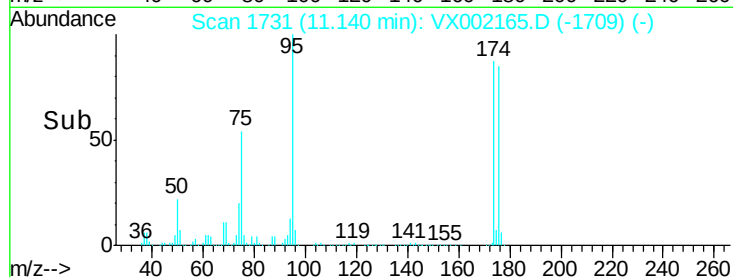
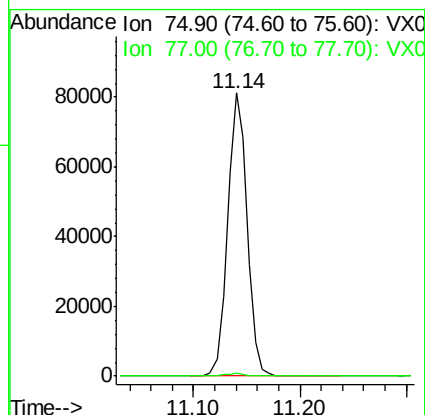
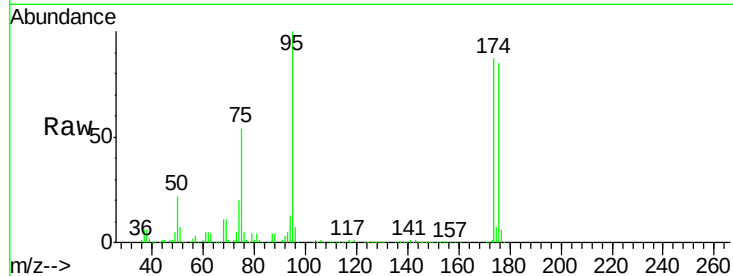
MW-38

Tgt Ion: 75 Resp: 103521

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.52 min Scan# 1793

Delta R.T. 0.09 min

Lab File: VX002165.D

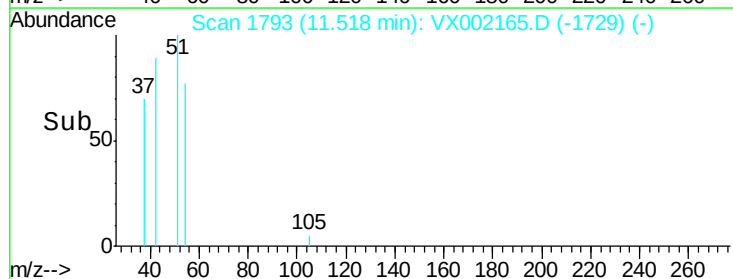
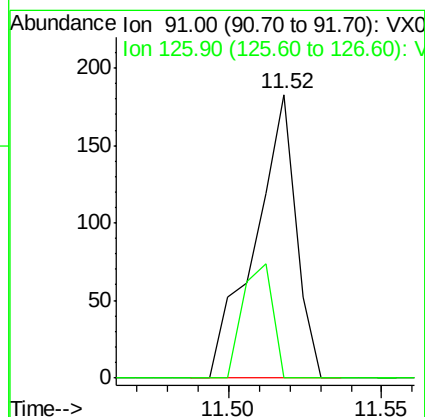
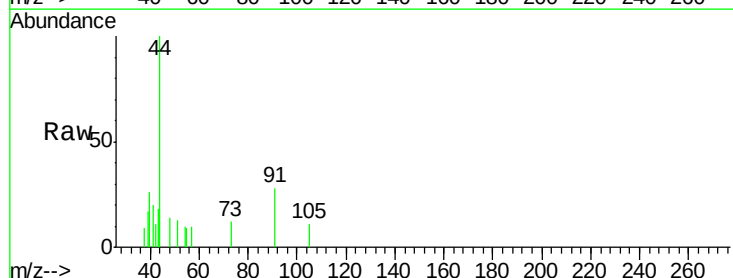
Acq: 31 May 2018 04:50

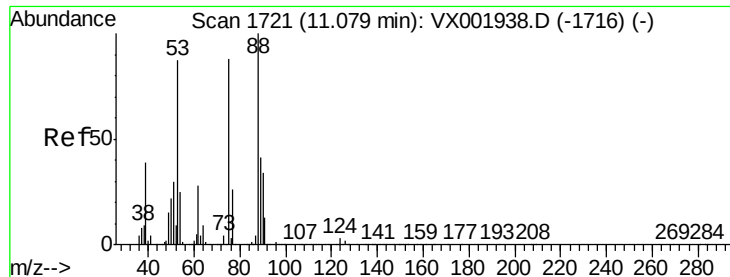
Tgt Ion: 91 Resp: 171

Ion Ratio Lower Upper

91 100

126 29.2 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002165.D

Acq: 31 May 2018 04:50

Instrument :

MSVOA_X

ClientSampleId :

MW-38

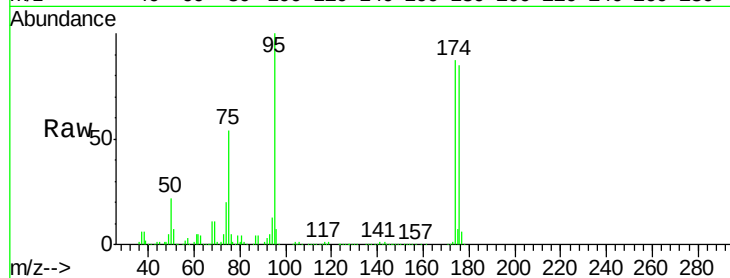
Tgt Ion: 75 Resp: 103521

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

