

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010875.D
 Acq On : 15 Jul 2019 11:36
 Operator : JC/SP
 Sample : K3788-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2056

Quant Time: Jul 16 01:56:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162137	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	124960	56.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.50%	
35) Dibromofluoromethane	5.50	113	118636	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.12%	
50) Toluene-d8	8.71	98	445111	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.13	95	156798	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	

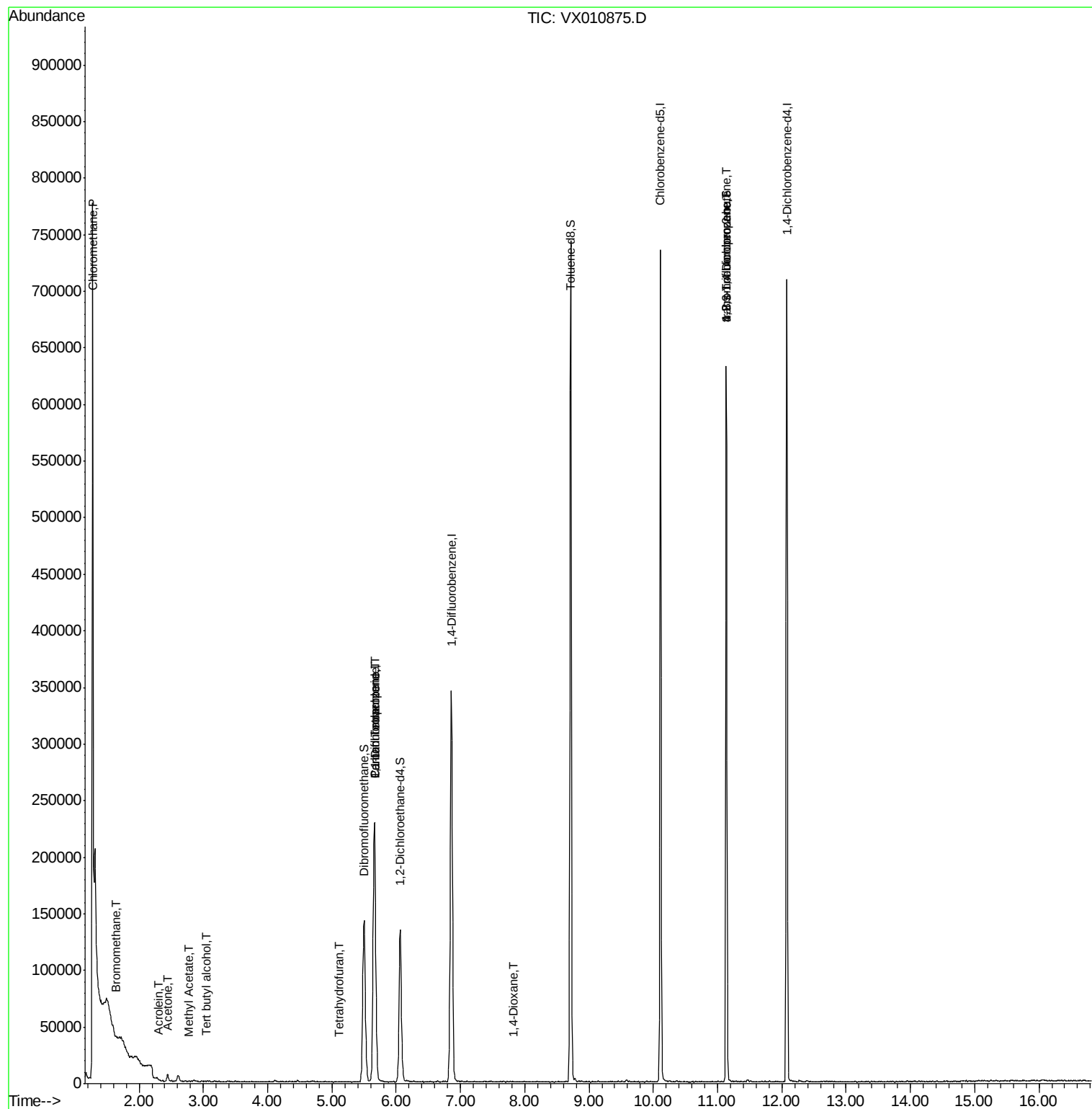
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.28	50	14441	7.528	ug/l #	44
5) Bromomethane	1.65	94	491	0.480	ug/l #	19
11) Tert butyl alcohol	3.04	59	816	1.404	ug/l #	89
13) Acrolein	2.29	56	169	0.438	ug/l #	14
16) Acetone	2.44	43	6375	5.725	ug/l	94
18) Methyl Acetate	2.78	43	522	0.235	ug/l #	74
29) Tetrahydrofuran	5.12	42	277	0.274	ug/l #	33
36) 1,1-Dichloropropene	5.66	75	15455	5.221	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21795	6.800	ug/l #	16
49) 1,4-Dioxane	7.82	88	19	0.282	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	77318	26.169	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77318	61.050	ug/l #	16

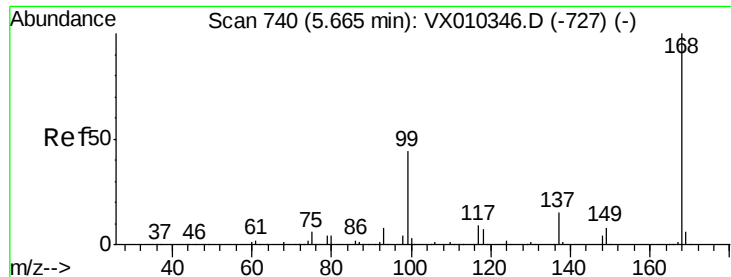
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010875.D

Acq: 15 Jul 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

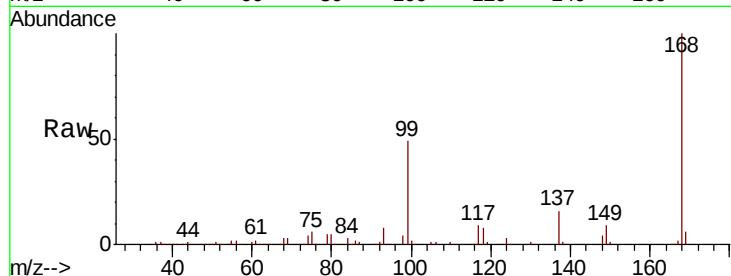
2056

Tot Ion:168 Resp: 236955

Ion Ratio Lower Upper

168 100

99 49.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

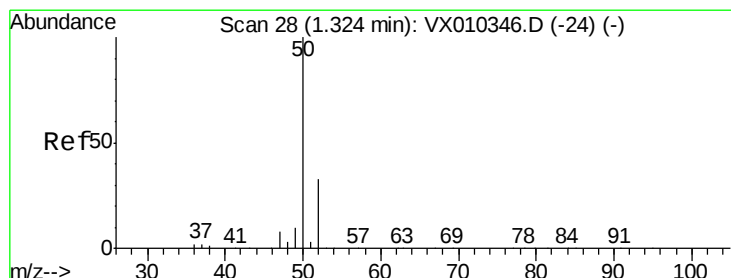
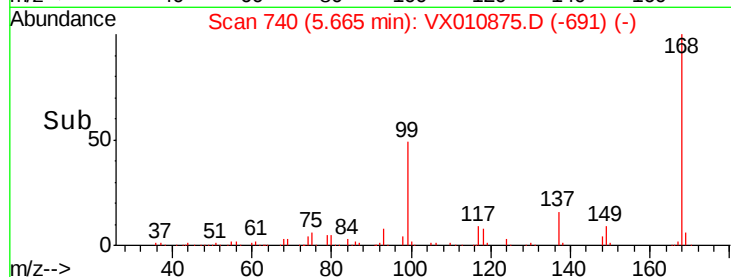
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 7.528 ug/l

RT: 1.28 min Scan# 20

Delta R.T. -0.05 min

Lab File: VX010875.D

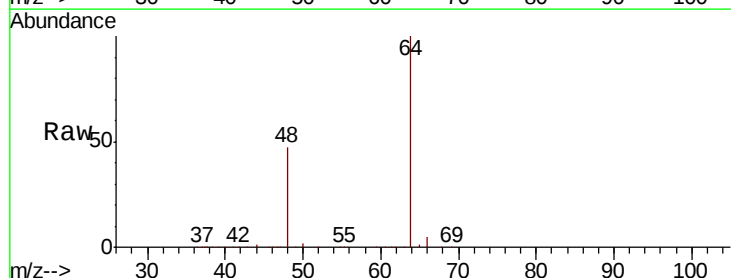
Acq: 15 Jul 2019 11:36

Tgt Ion: 50 Resp: 14441

Ion Ratio Lower Upper

50 100

52 1.5 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

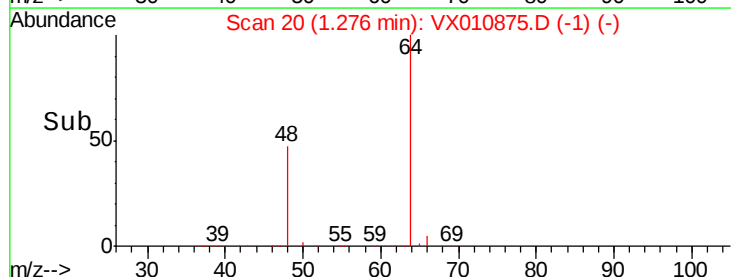
1.28

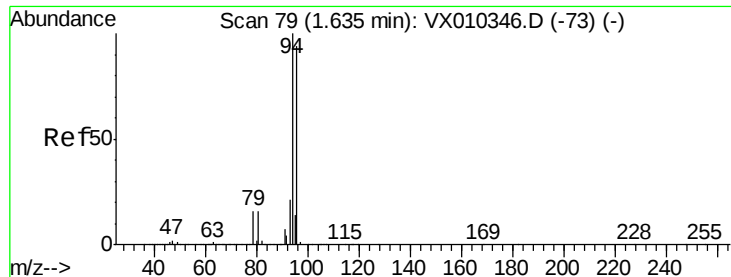
10000

5000

0

Time--> 1.25 1.30





#5

Bromomethane

Concen: 0.480 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010875.D

Acq: 15 Jul 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

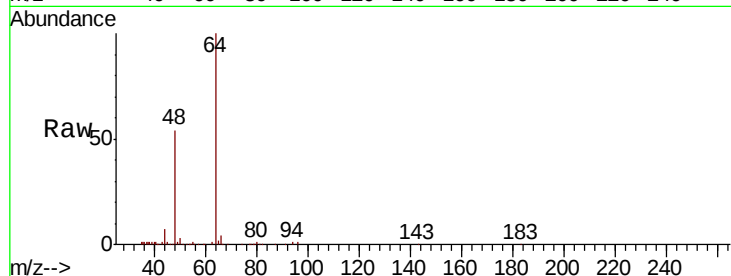
2056

Tot Ion: 94 Resp: 491

Ion Ratio Lower Upper

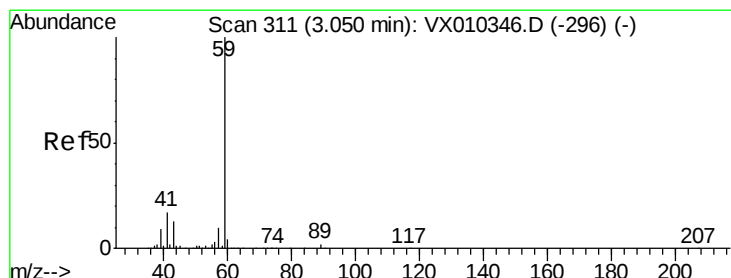
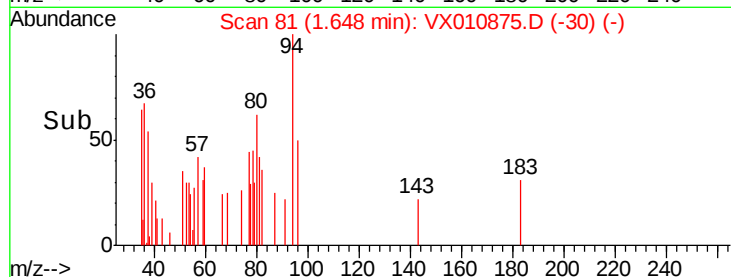
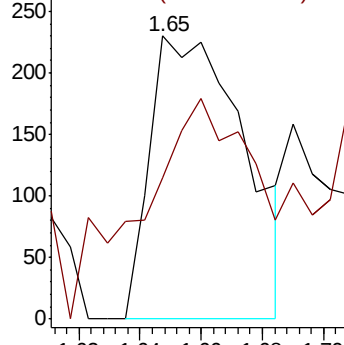
94 100

96 15.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.404 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010875.D

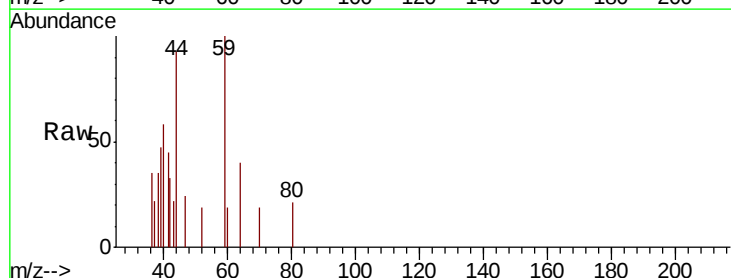
Acq: 15 Jul 2019 11:36

Tgt Ion: 59 Resp: 816

Ion Ratio Lower Upper

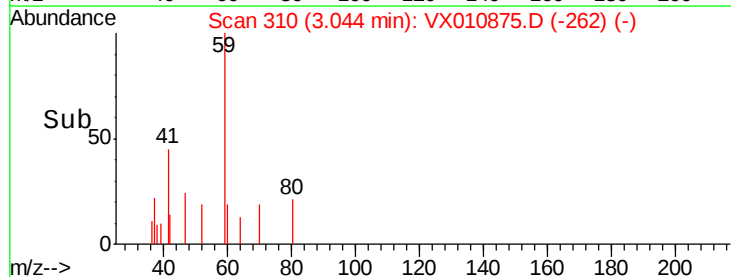
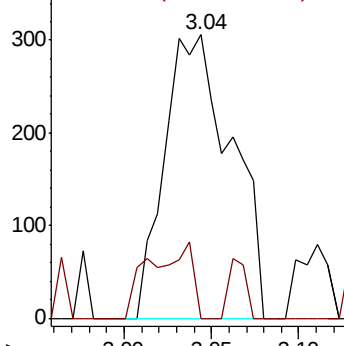
59 100

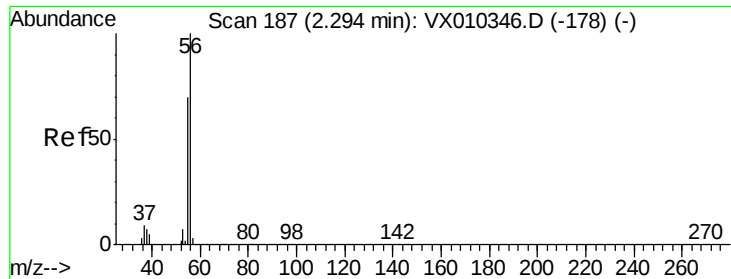
57 5.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

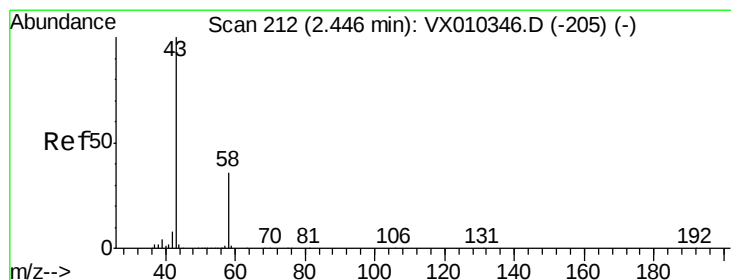
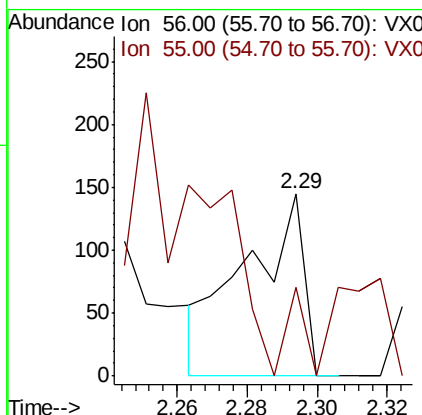
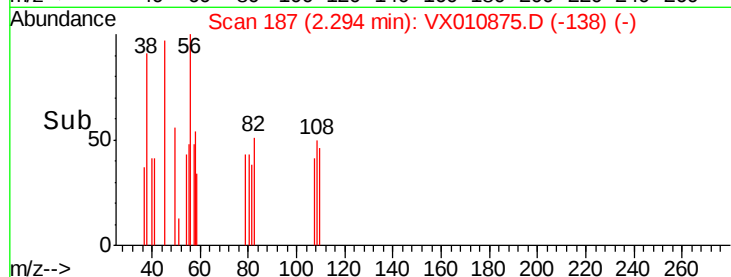
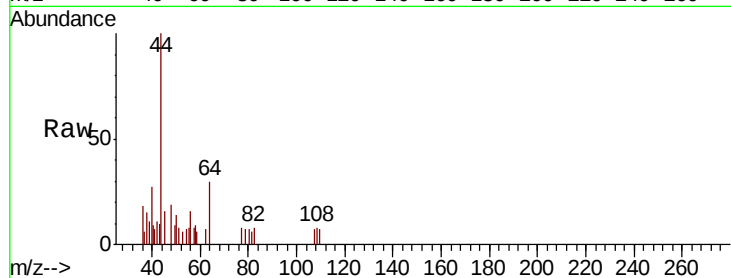




#13
Acrolein
Concen: 0.438 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

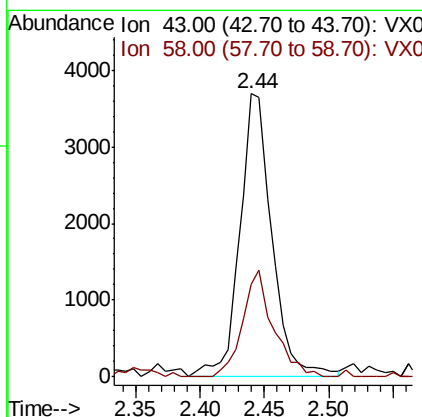
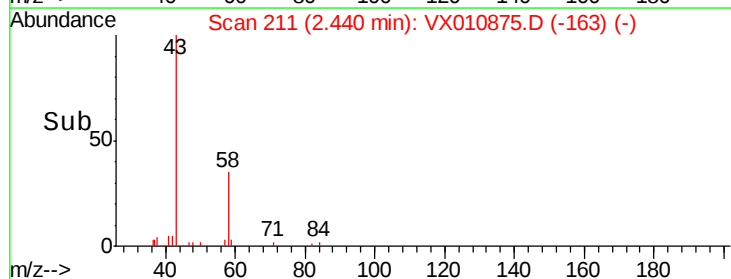
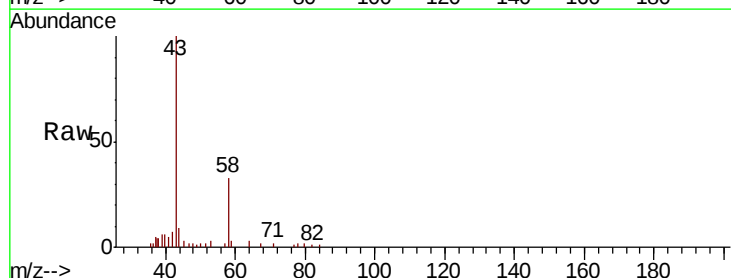
Instrument :
MSVOA_X
ClientSampleId :
2056

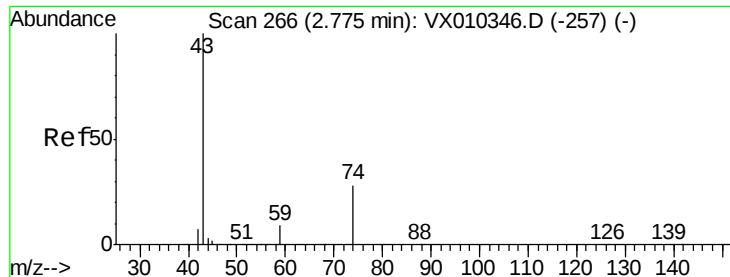
Tot Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 5.725 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

Tgt Ion: 43 Resp: 6375
Ion Ratio Lower Upper
43 100
58 32.6 28.9 43.3

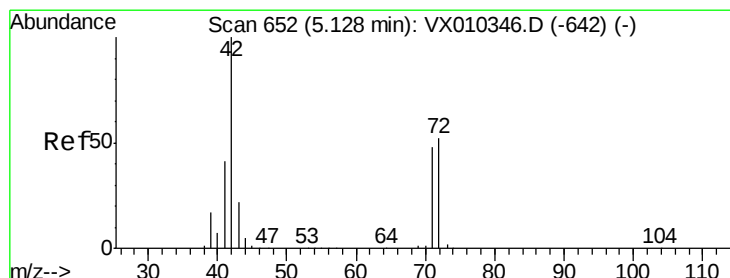
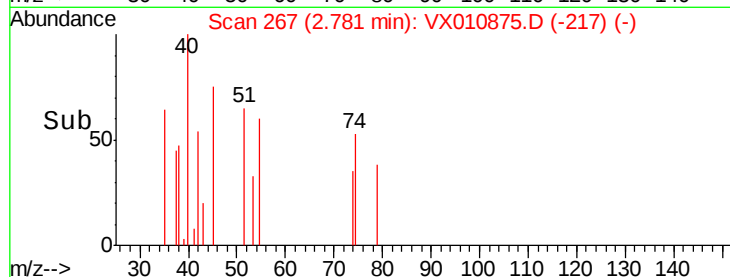
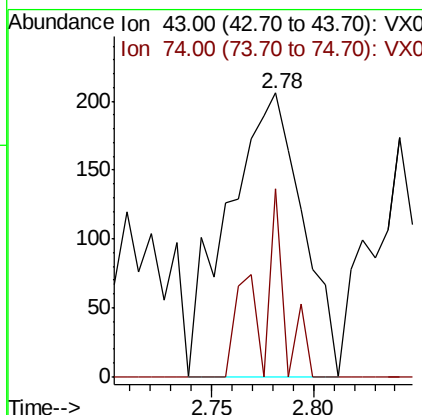
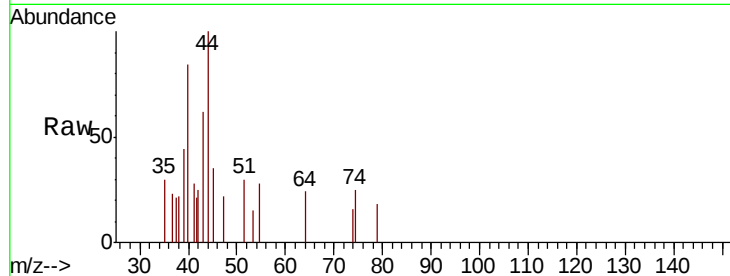




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

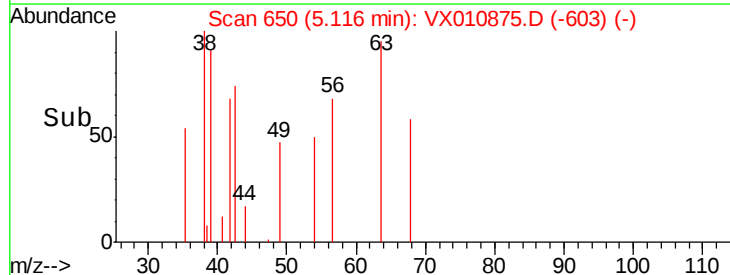
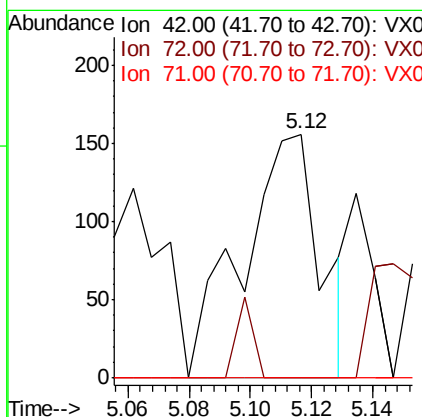
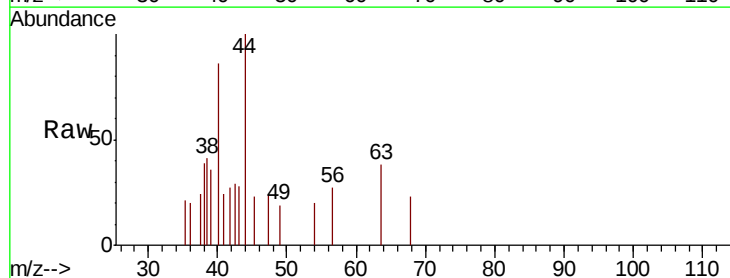
Instrument :
MSVOA_X
ClientSampled :
2056

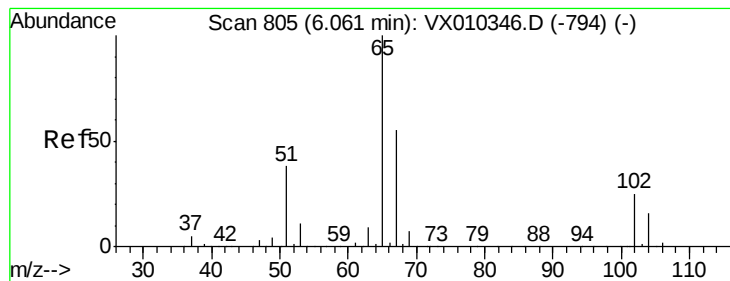
Tot Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
74 13.2 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.274 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

Tgt Ion: 42 Resp: 277
Ion Ratio Lower Upper
42 100
72 6.9 40.6 60.8#
71 0.0 37.8 56.8#





#33

1,2-Dichloroethane-d4

Concen: 56.245 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010875.D

Acq: 15 Jul 2019 11:36

Instrument :

MSVOA_X

ClientSampled :

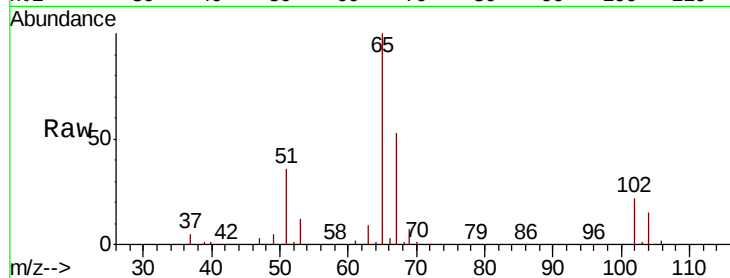
2056

Tot Ion: 65 Resp: 124960

Ion Ratio Lower Upper

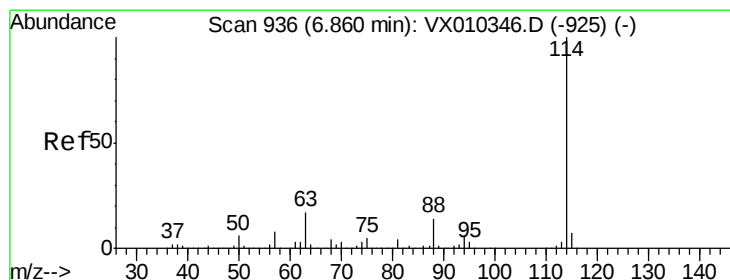
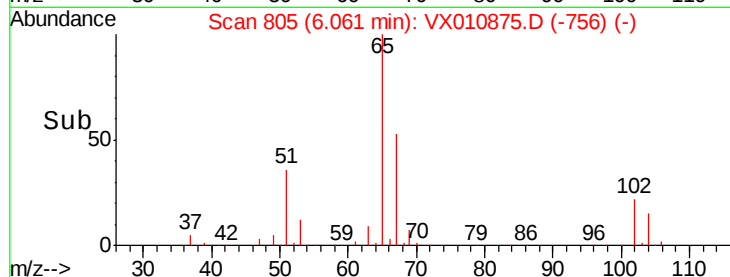
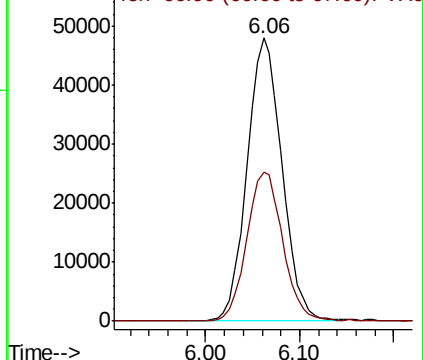
65 100

67 54.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010875.D

Acq: 15 Jul 2019 11:36

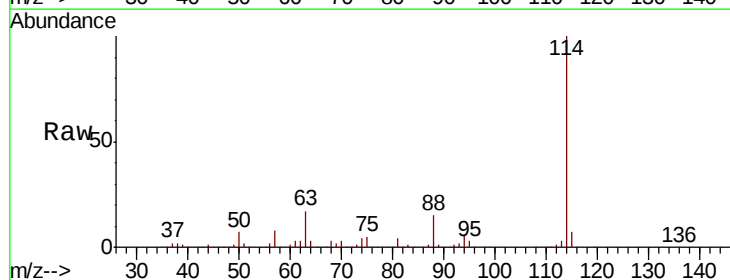
Tgt Ion: 114 Resp: 372487

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

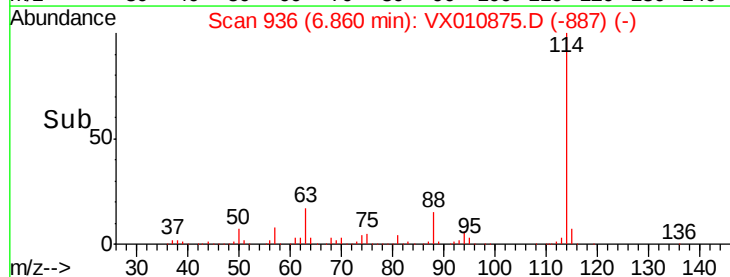
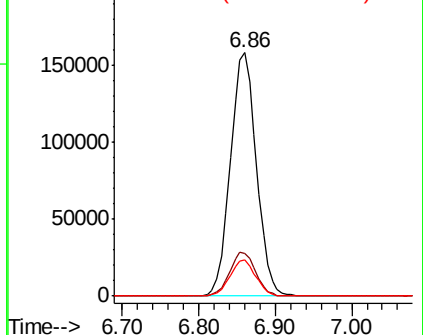
88 14.9 0.0 27.6

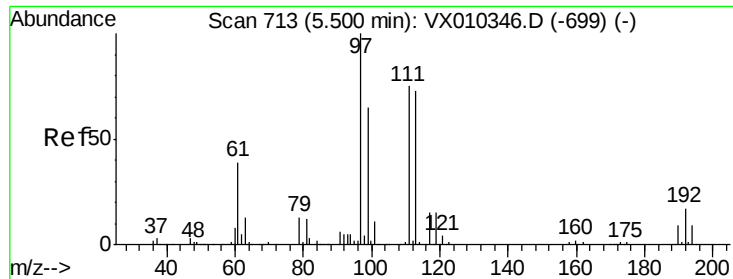


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

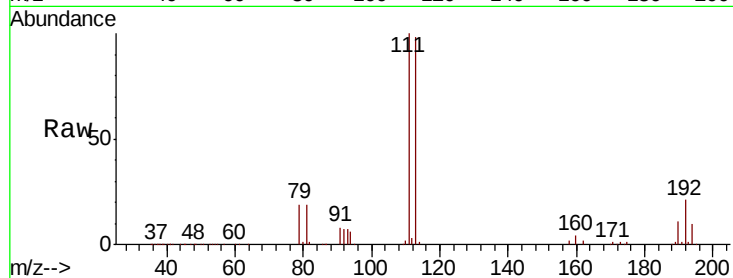




#35
 Dibromofluoromethane
 Concen: 52.056 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010875.D
 Acq: 15 Jul 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 2056

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.2	121.8
192	22.1	18.6	27.8

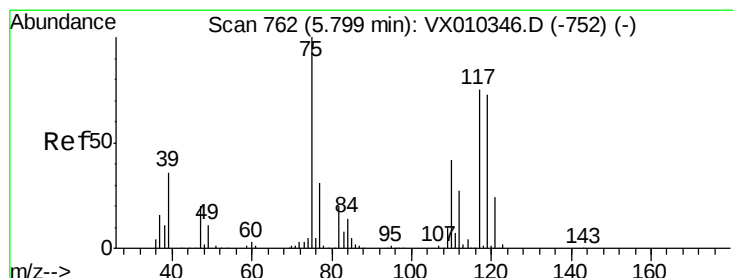
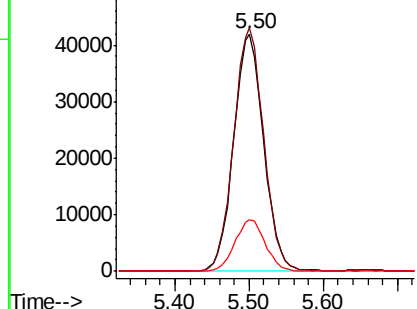
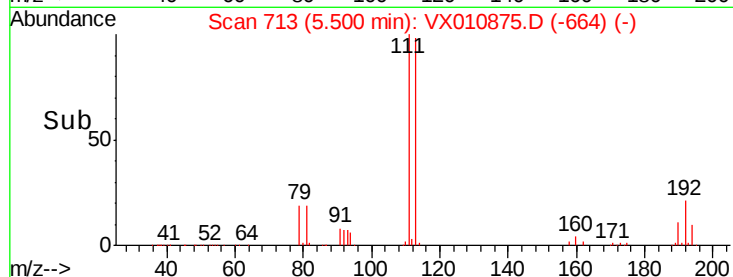


Abundance

Ion 112.80 (112.50 to 113.50): V

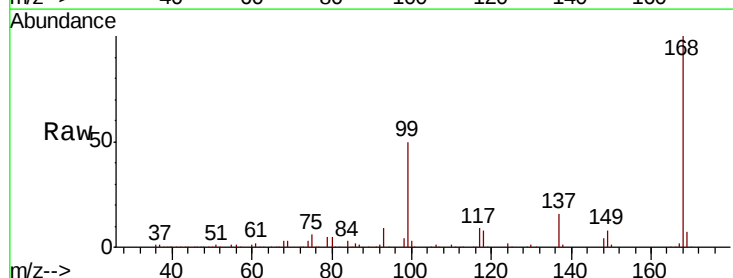
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.221 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010875.D
 Acq: 15 Jul 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.4	20.8	62.2#
77	0.1	25.4	38.0#

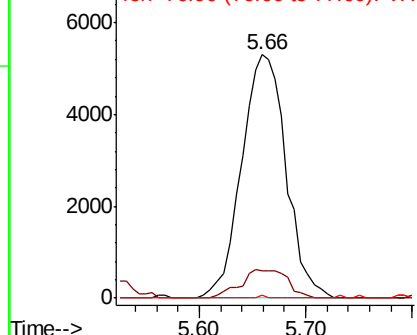
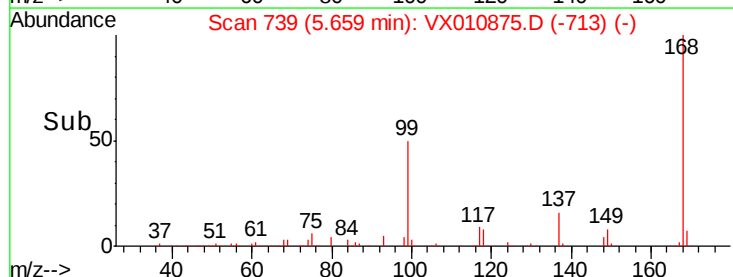


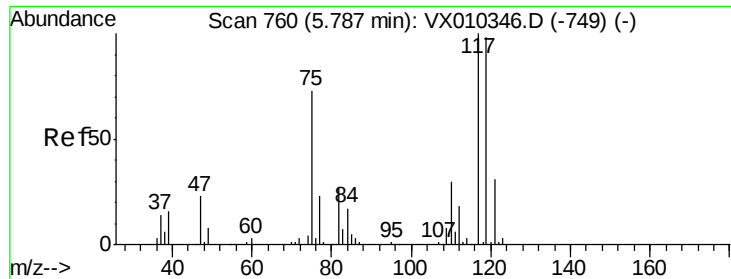
Abundance

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

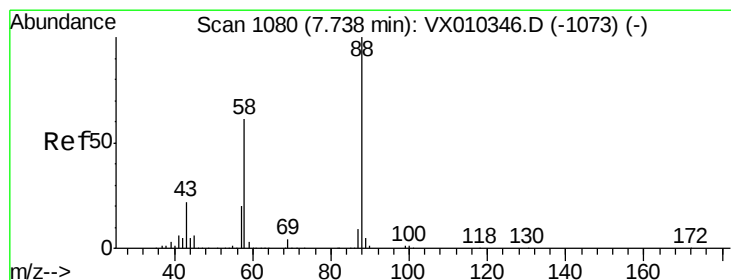
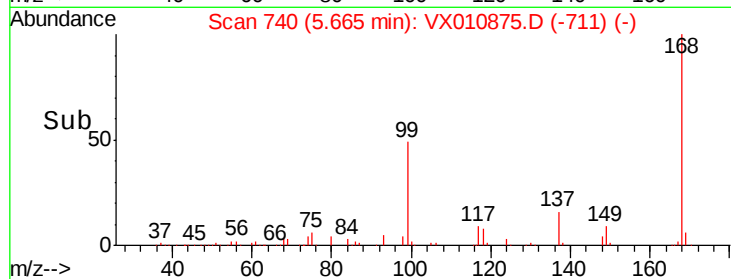
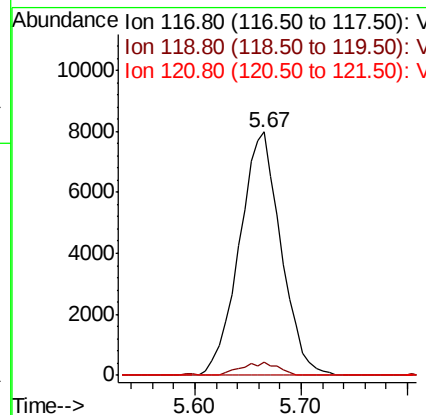
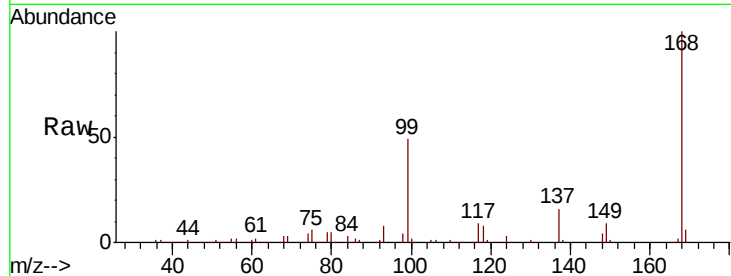




#38
Carbon Tetrachloride
Concen: 6.800 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

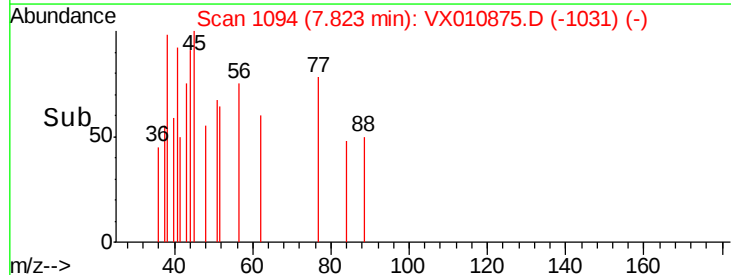
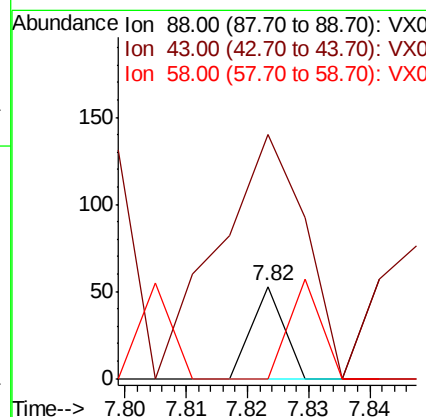
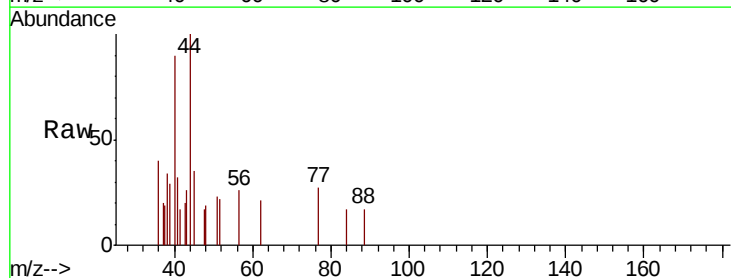
Instrument :
MSVOA_X
ClientSampled :
2056

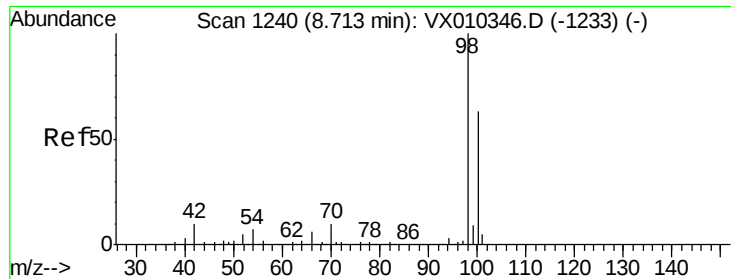
Tot Ion:117 Resp: 21795
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.4#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.282 ug/l
RT: 7.82 min Scan# 1094
Delta R.T. 0.09 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 721.1 20.2 30.2#
58 110.5 49.5 74.3#

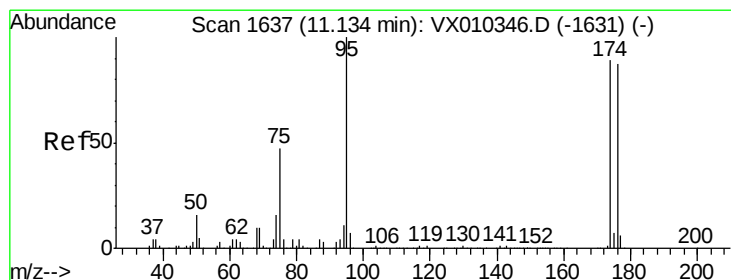
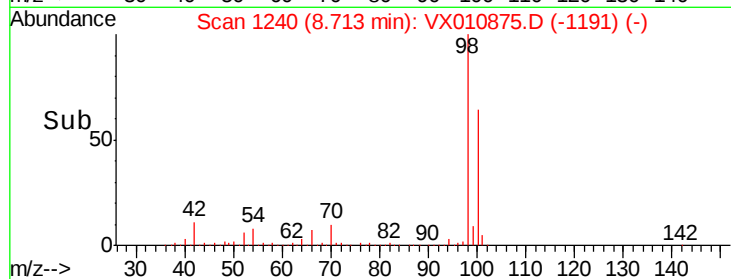
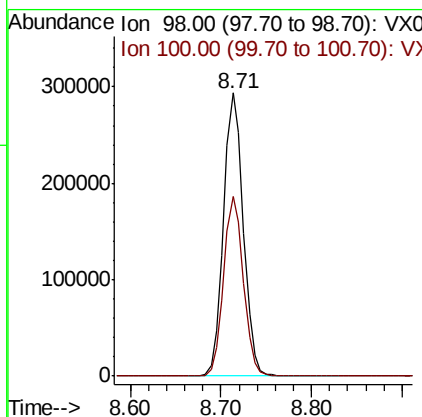
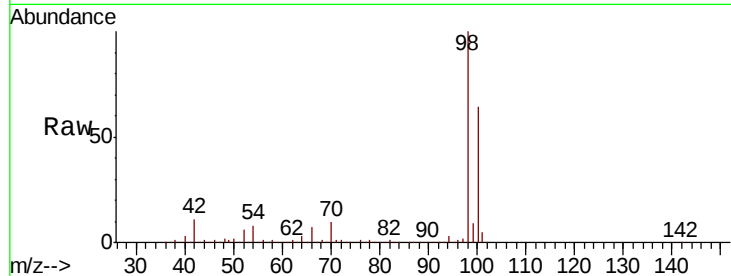




#50
Toluene-d8
Concen: 51.050 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

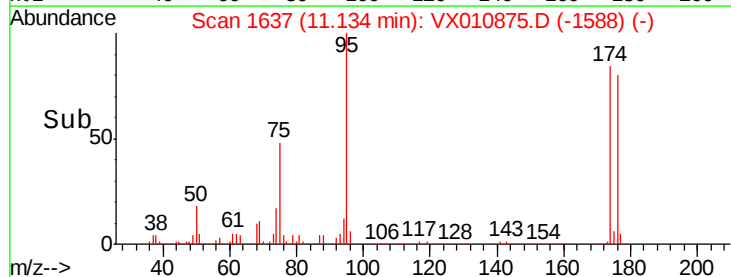
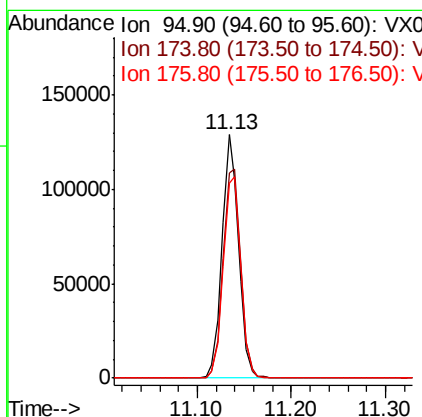
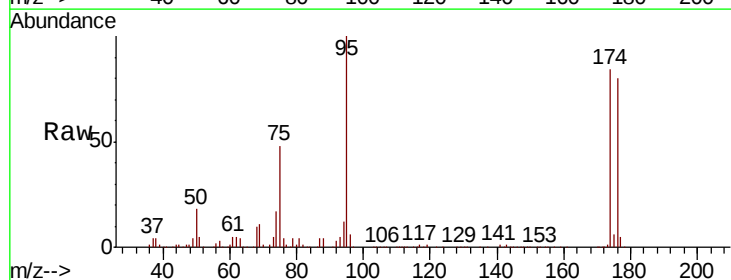
Instrument :
MSVOA_X
ClientSampleId :
2056

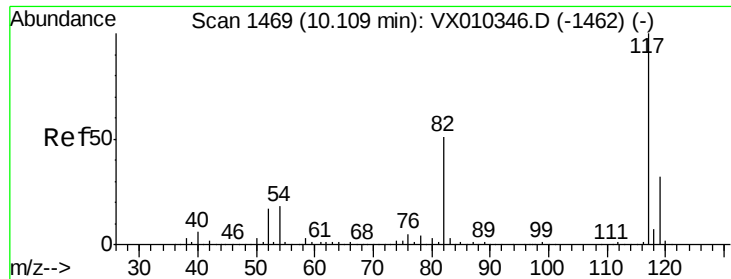
Tot Ion: 98 Resp: 445111
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 49.812 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

Tgt Ion: 95 Resp: 156798
Ion Ratio Lower Upper
95 100
174 91.7 0.0 187.6
176 88.0 0.0 184.0

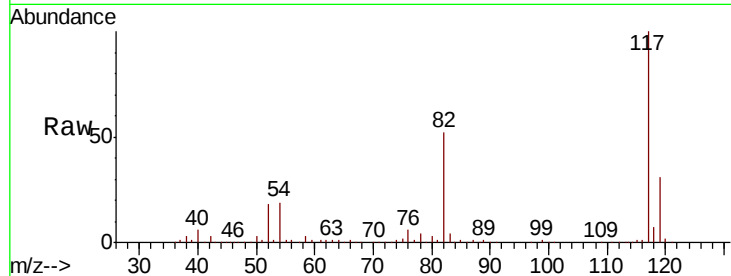




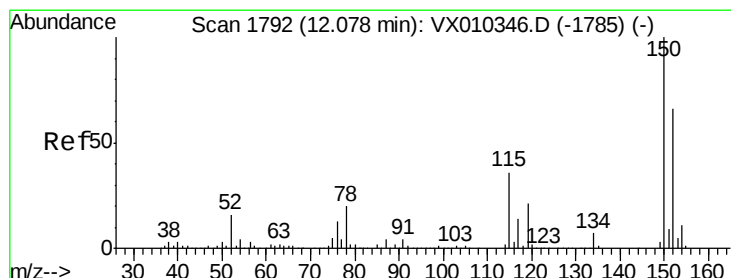
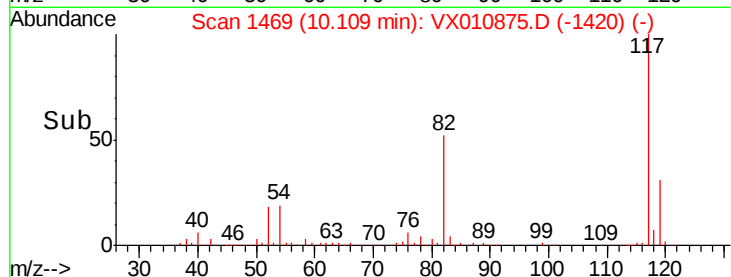
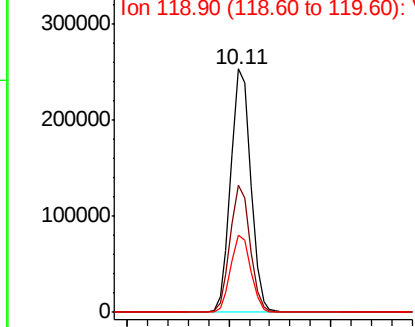
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :
2056

Tot Ion:117 Resp: 343068
Ion Ratio Lower Upper
117 100
82 52.2 41.2 61.8
119 31.5 25.5 38.3

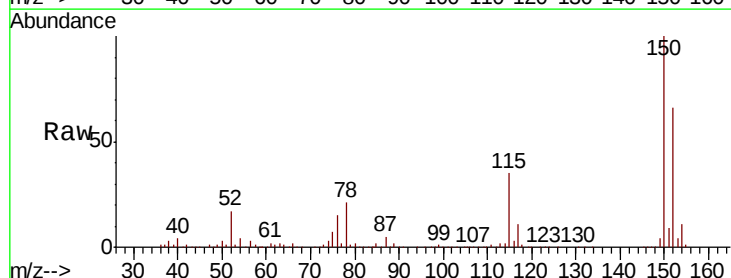


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

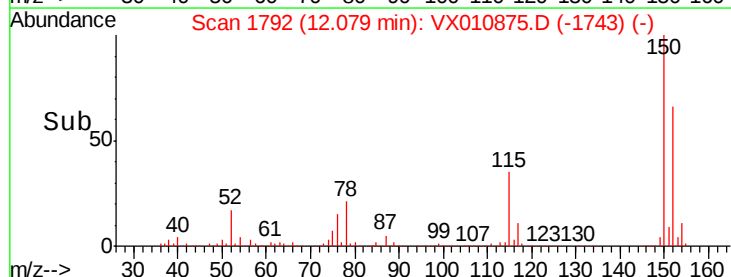
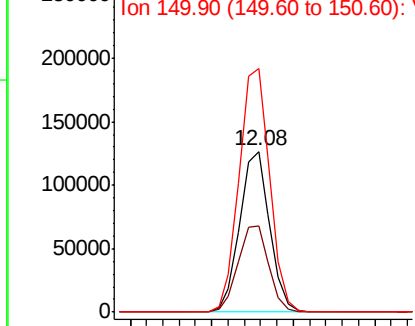


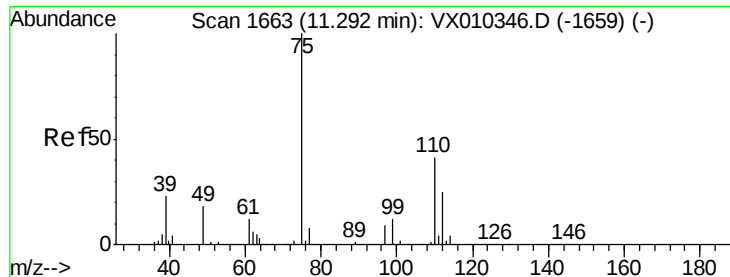
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010875.D
Acq: 15 Jul 2019 11:36

Tgt Ion:152 Resp: 162137
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 155.5 0.0 347.4



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

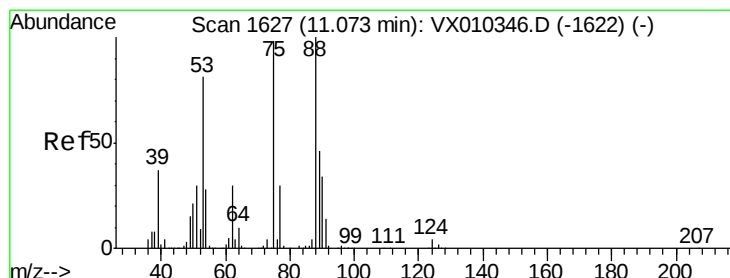
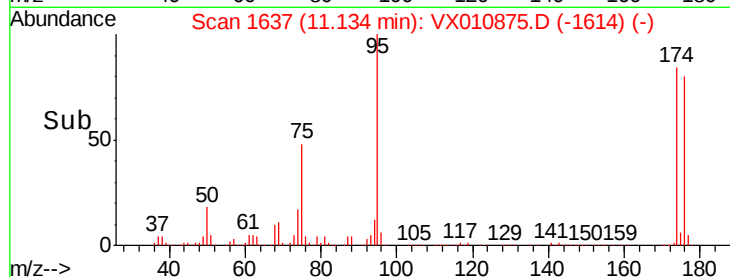
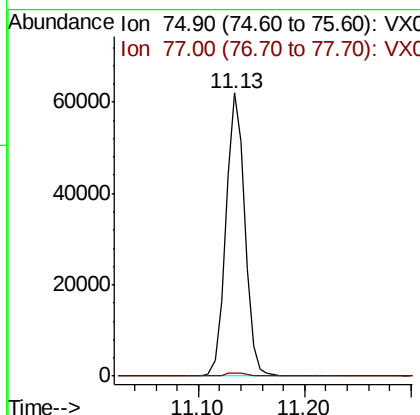
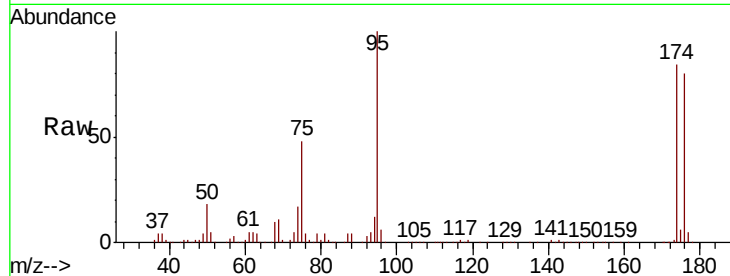




#76
 1,2,3-Trichloropropane
 Concen: 26.169 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010875.D
 Acq: 15 Jul 2019 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 2056

Tot Ion: 75 Resp: 77318
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.050 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010875.D
 Acq: 15 Jul 2019 11:36

Tgt Ion: 75 Resp: 77318
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

