

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010872.D
 Acq On : 15 Jul 2019 10:25
 Operator : JC/SP
 Sample : K3788-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-7-12-19

Quant Time: Jul 16 01:55:59 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	5.66	168	242531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	380751	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162556	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	127390	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	5.49	113	119917	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	8.71	98	456883	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.13	95	159476	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

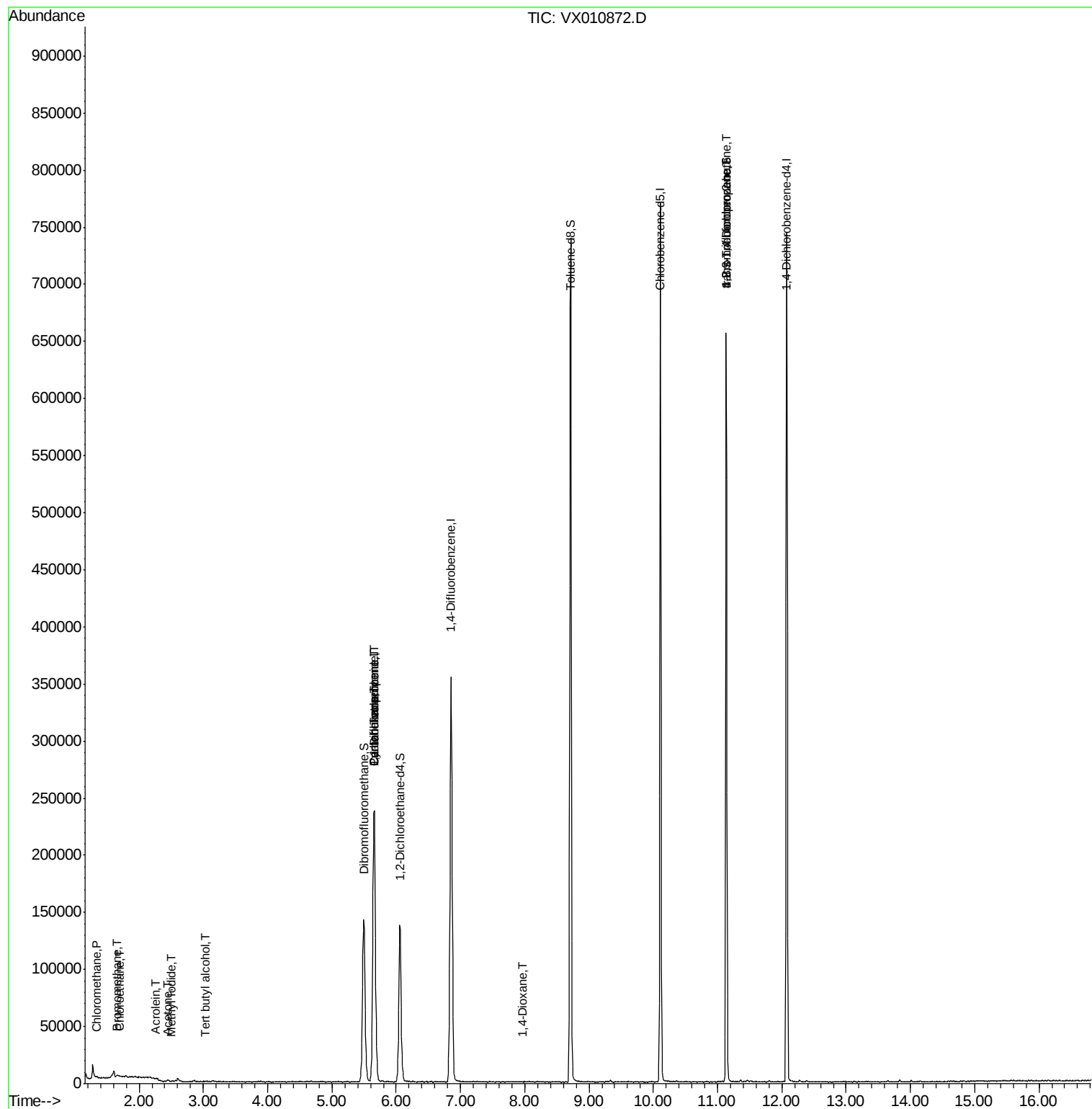
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	413	0.210	ug/l	95
5) Bromomethane	1.65	94	791	0.755	ug/l	91
6) Chloroethane	1.70	64	350	0.276	ug/l #	41
10) Methyl Iodide	2.51	142	652	0.221	ug/l	98
11) Tert butyl alcohol	3.03	59	653	1.097	ug/l #	83
13) Acrolein	2.27	56	102	0.258	ug/l #	65
16) Acetone	2.44	43	867	0.761	ug/l #	72
31) Cyclohexane	5.66	56	4528	1.379	ug/l #	24
36) 1,1-Dichloropropene	5.65	75	16004	5.289	ug/l #	48
38) Carbon Tetrachloride	5.65	117	22579	6.891	ug/l #	14
49) 1,4-Dioxane	7.97	88	53	0.769	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78555	26.519	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78555	61.866	ug/l #	16

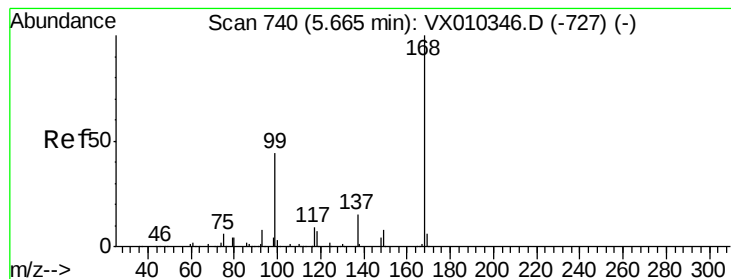
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071519\
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010872.D

Acq: 15 Jul 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

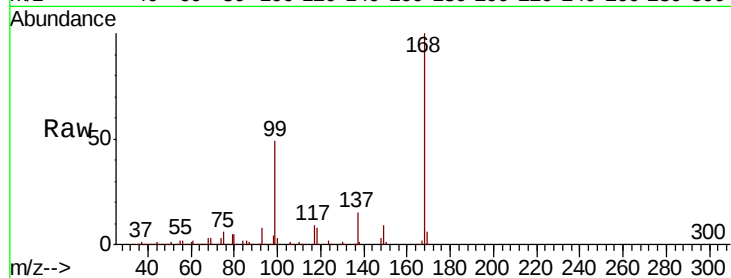
TB-7-12-19

Tot Ion:168 Resp: 242531

Ion Ratio Lower Upper

168 100

99 49.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

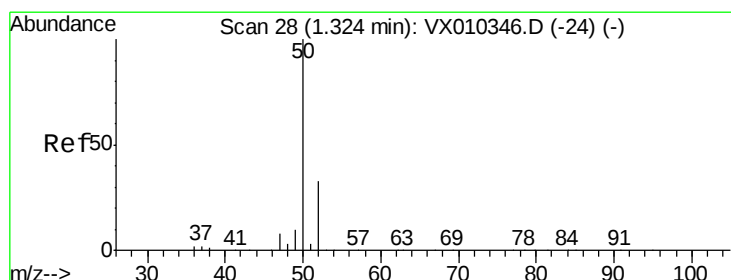
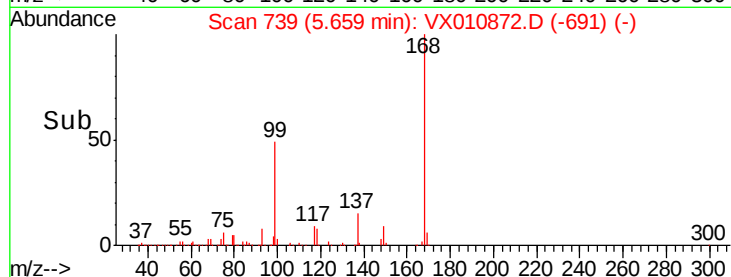
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010872.D

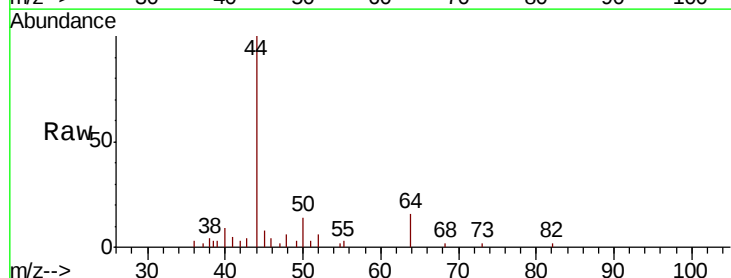
Acq: 15 Jul 2019 10:25

Tgt Ion: 50 Resp: 413

Ion Ratio Lower Upper

50 100

52 30.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

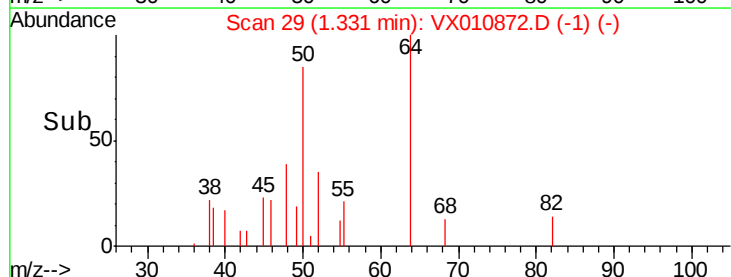
300

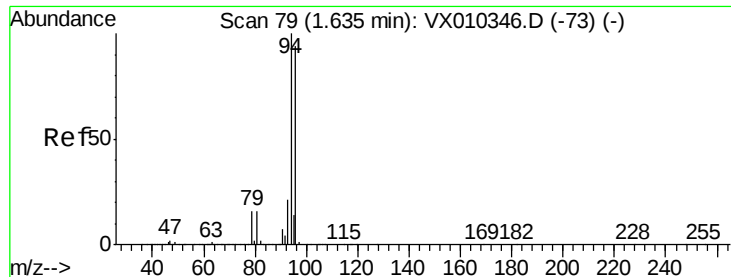
200

100

0

Time-->





#5

Bromomethane

Concen: 0.755 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010872.D

Acq: 15 Jul 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

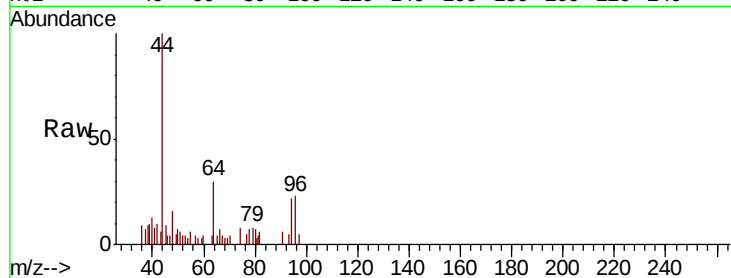
TB-7-12-19

Tot Ion: 94 Resp: 791

Ion Ratio Lower Upper

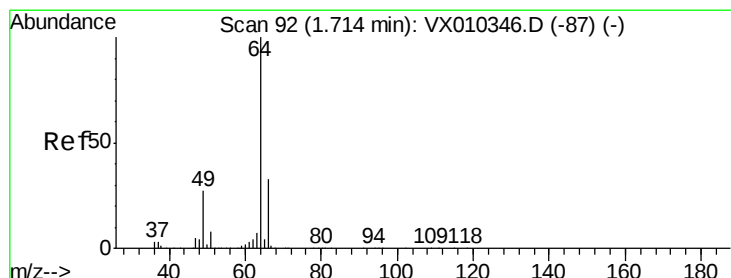
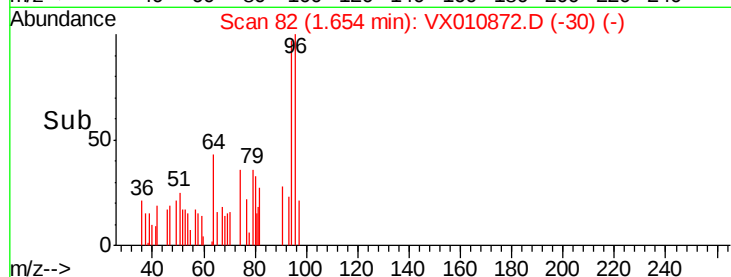
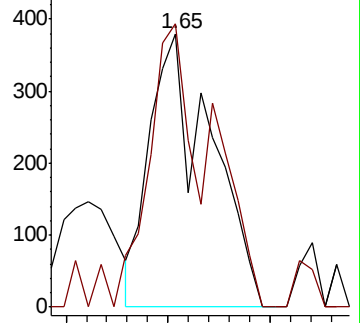
94 100

96 103.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.276 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010872.D

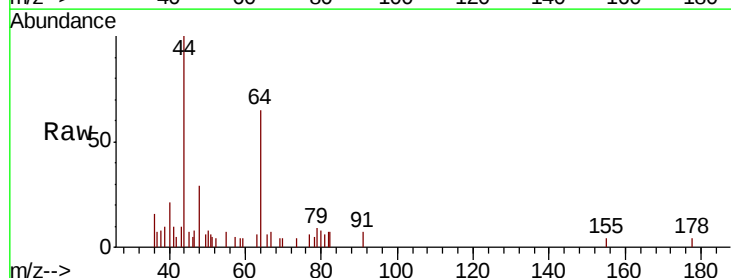
Acq: 15 Jul 2019 10:25

Tgt Ion: 64 Resp: 350

Ion Ratio Lower Upper

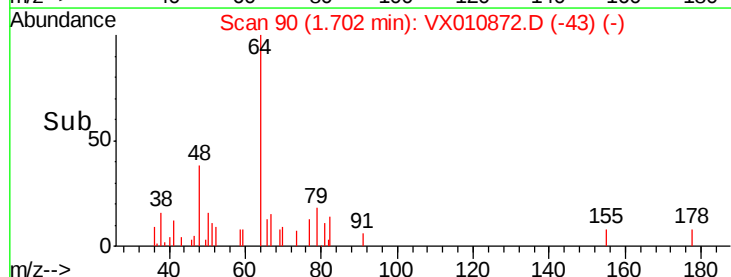
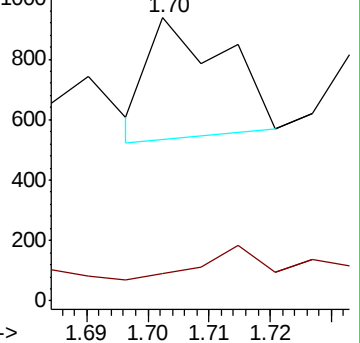
64 100

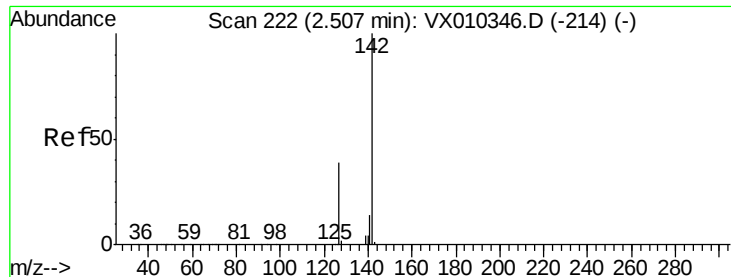
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

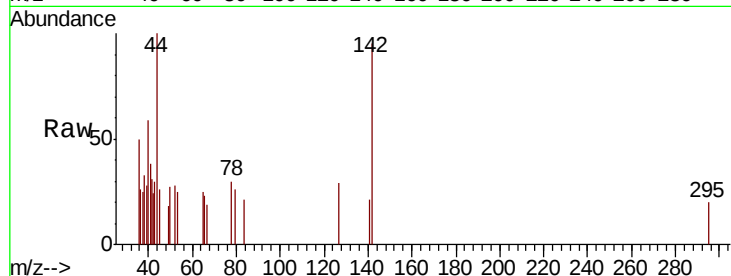




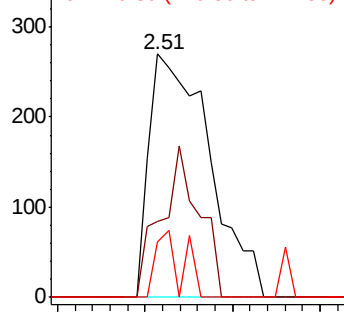
#10
Methvl Iodide
Concen: 0.221 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

Instrument :
MSVOA_X
ClientSampled :
TB-7-12-19

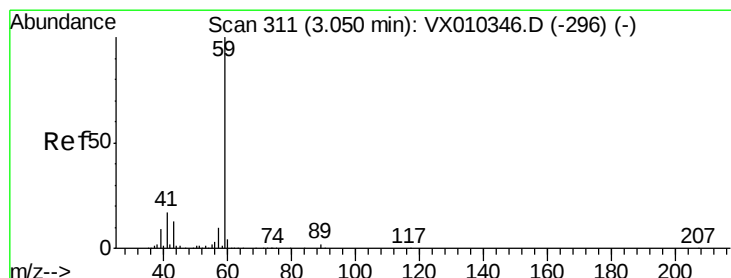
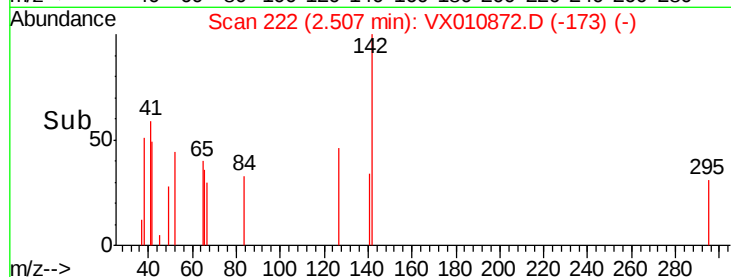
Tot Ion:142 Resp: 652
Ion Ratio Lower Upper
142 100
127 39.3 31.1 46.7
141 11.5 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

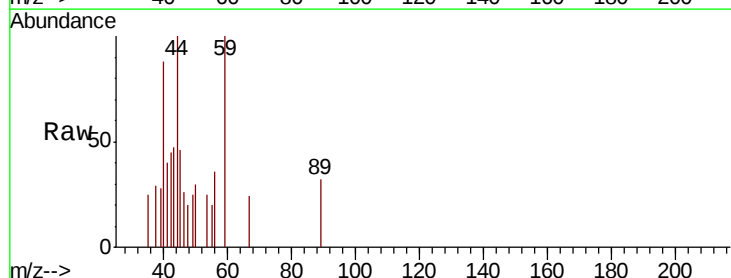


Time--> 2.45 2.50 2.55 2.60

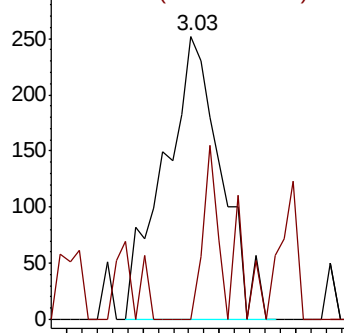


#11
Tert butyl alcohol
Concen: 1.097 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

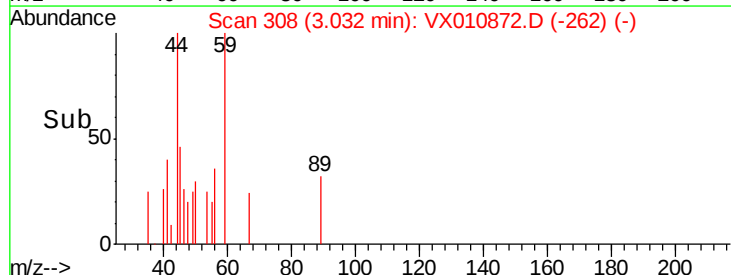
Tgt Ion: 59 Resp: 653
Ion Ratio Lower Upper
59 100
57 15.8 7.7 11.5#

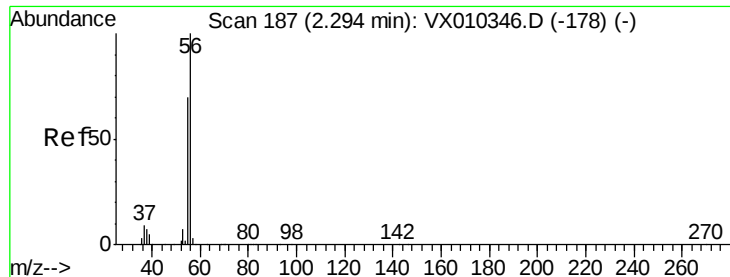


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time--> 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 0.258 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX010872.D

Acq: 15 Jul 2019 10:25

Instrument :

MSVOA_X

ClientSampled :

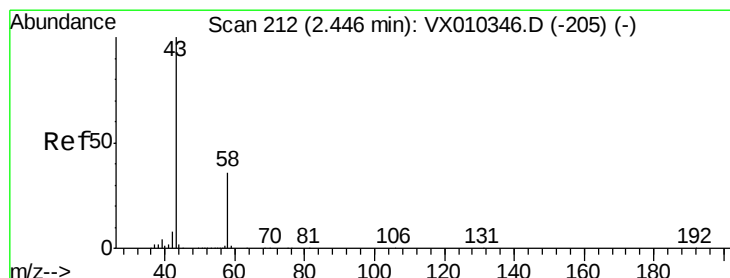
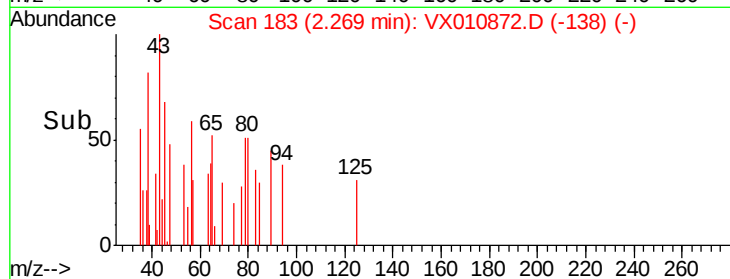
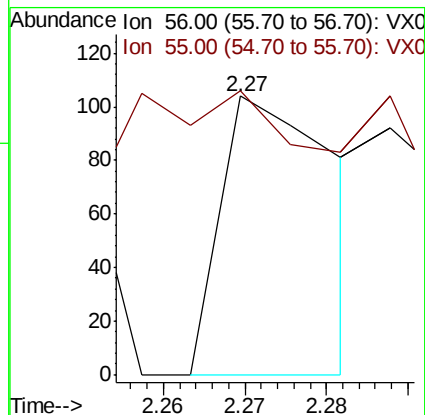
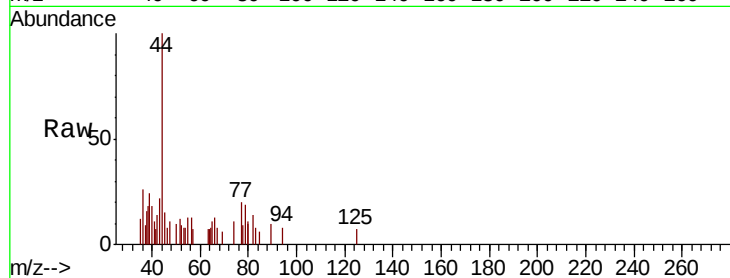
TB-7-12-19

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 42.2 56.9 85.3#



#16

Acetone

Concen: 0.761 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010872.D

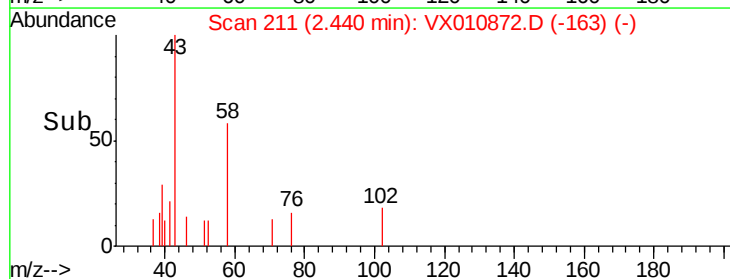
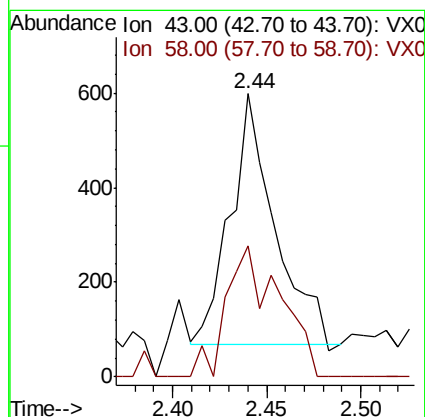
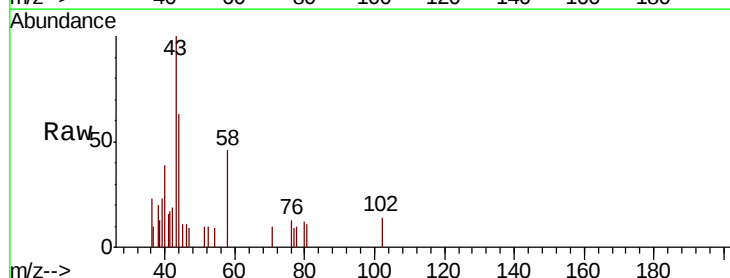
Acq: 15 Jul 2019 10:25

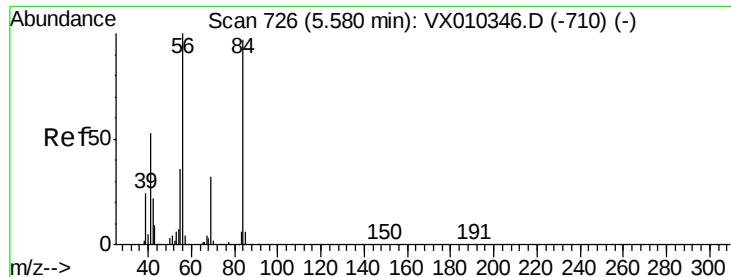
Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 52.5 28.9 43.3#

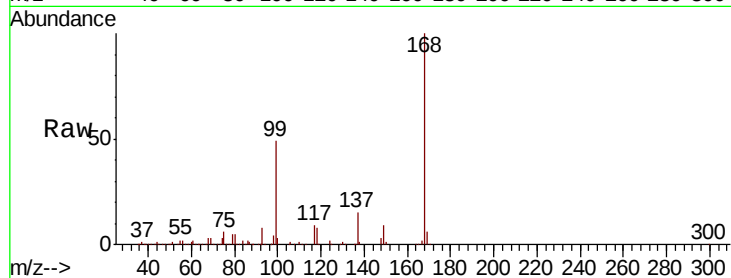




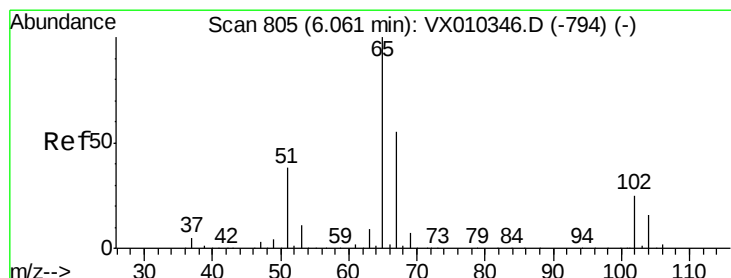
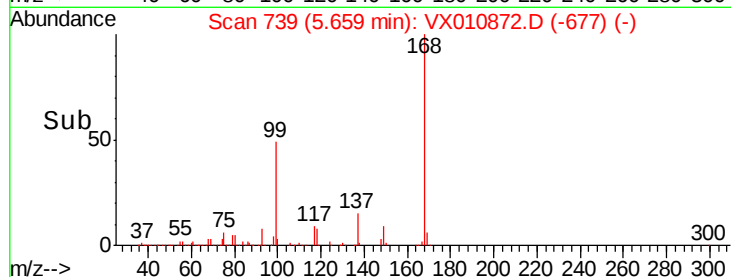
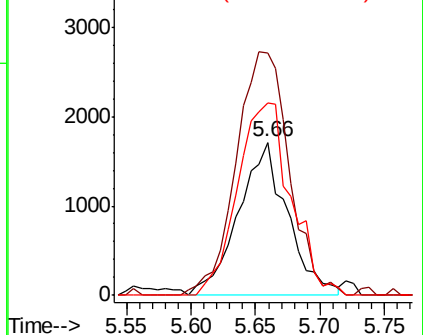
#31
Cyclohexane
Concen: 1.379 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
TB-7-12-19

Tot Ion: 56 Resp: 4528
Ion Ratio Lower Upper
56 100
69 154.8 25.9 38.9#
84 125.6 78.0 117.0#

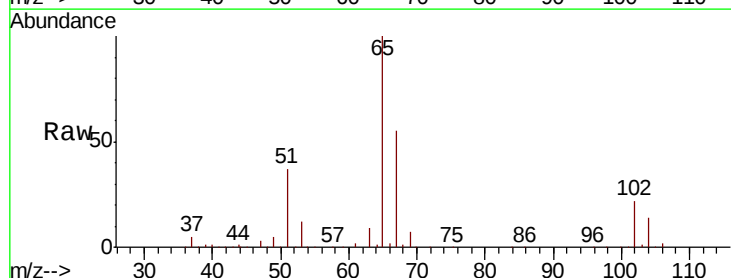


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

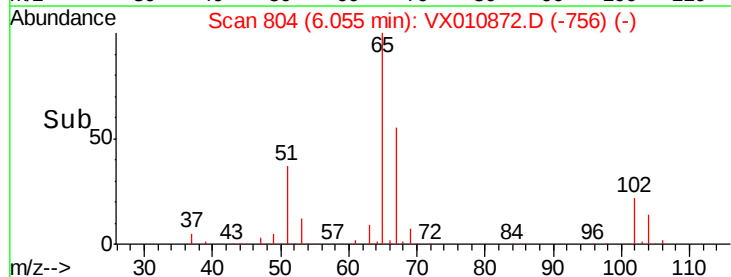
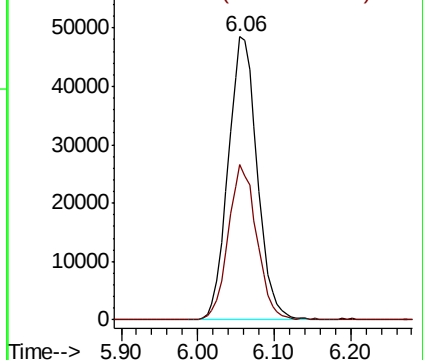


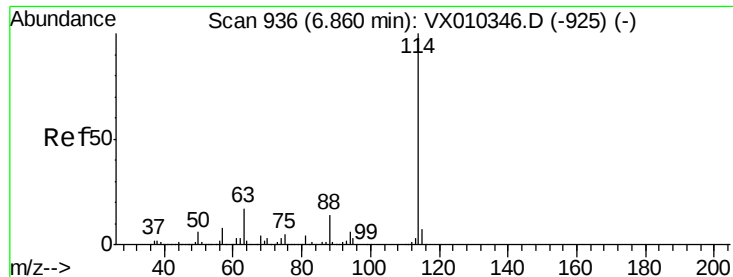
#33
1,2-Dichloroethane-d4
Concen: 56.021 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

Tgt Ion: 65 Resp: 127390
Ion Ratio Lower Upper
65 100
67 53.8 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010872.D

Acq: 15 Jul 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

TB-7-12-19

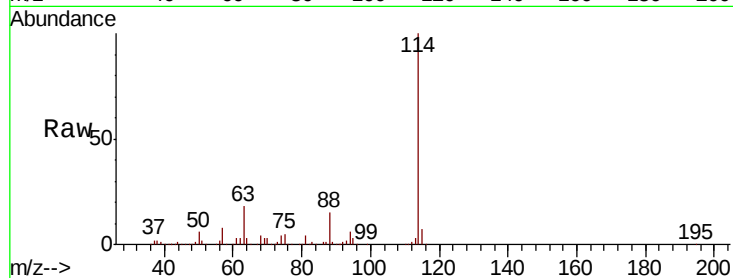
Tot Ion:114 Resp: 380751

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.8

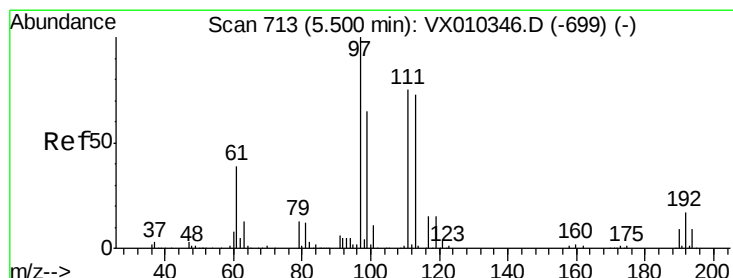
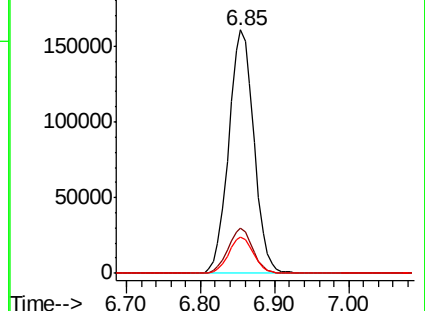
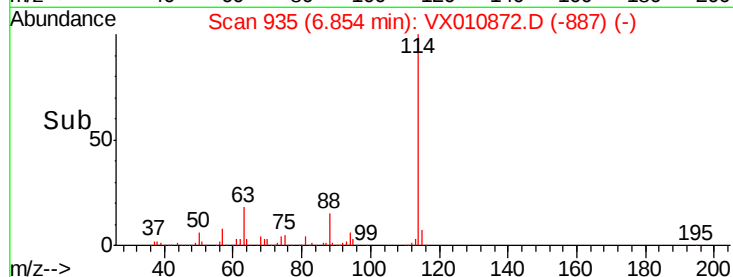
88 14.7 0.0 27.6



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: 51.476 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010872.D

Acq: 15 Jul 2019 10:25

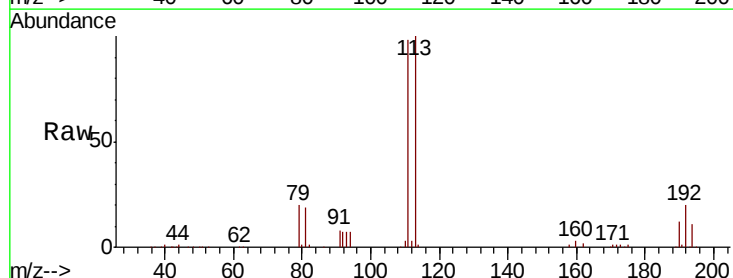
Tgt Ion:113 Resp: 119917

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

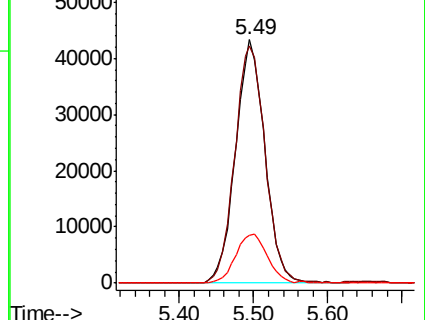
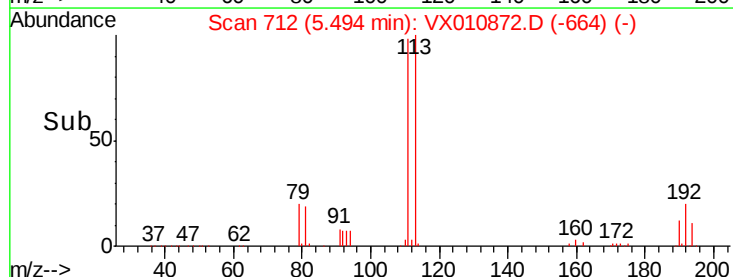
192 21.8 18.6 27.8

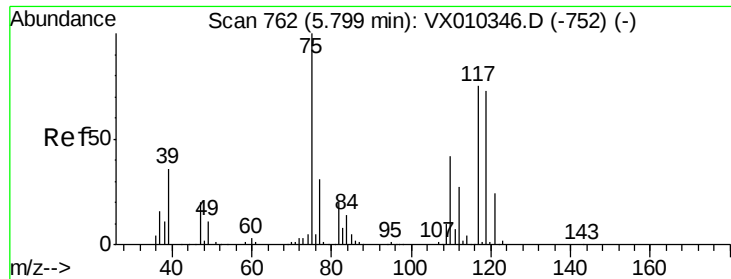


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

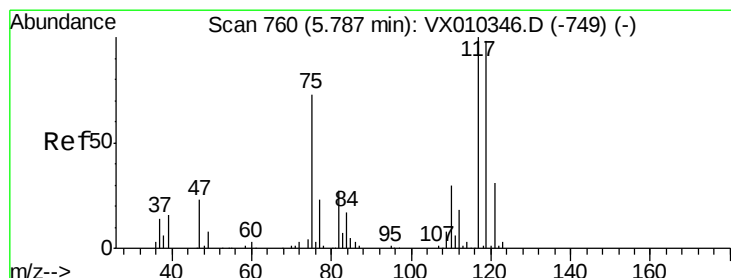
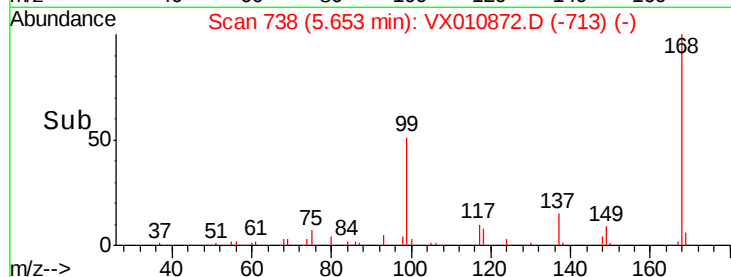
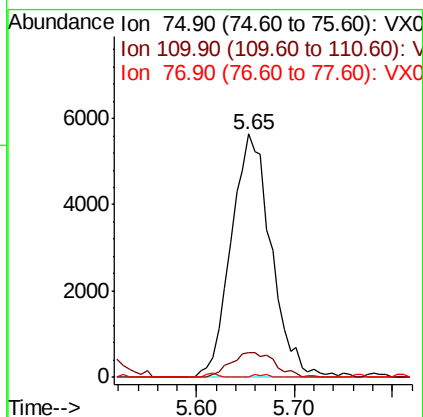
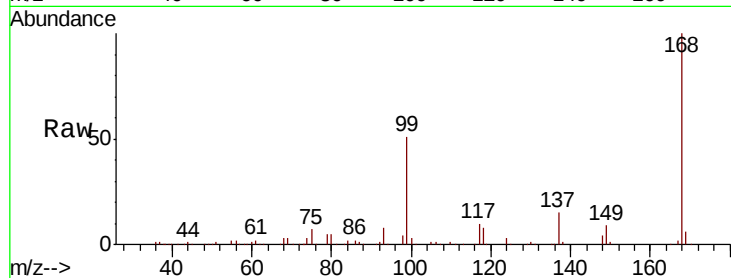




#36
 1,1-Dichloropropene
 Concen: 5.289 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010872.D
 Acq: 15 Jul 2019 10:25

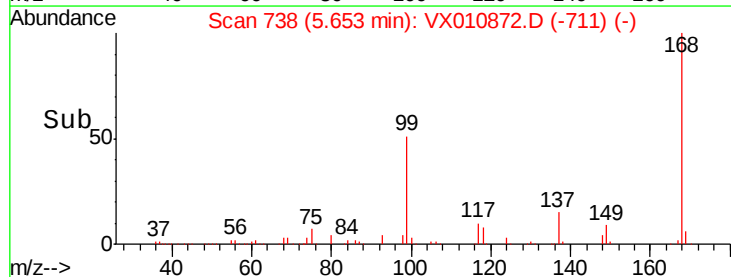
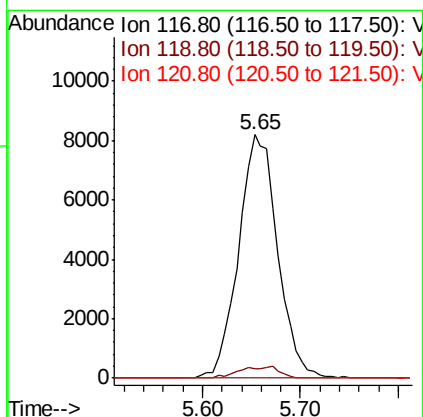
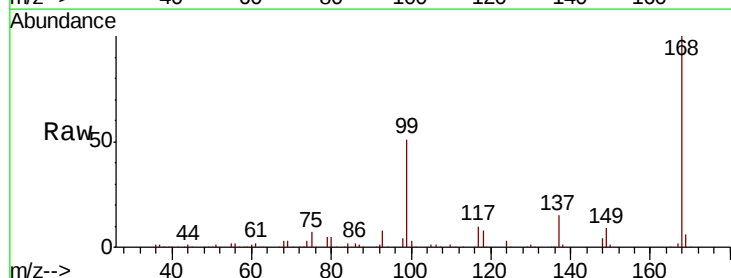
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-7-12-19

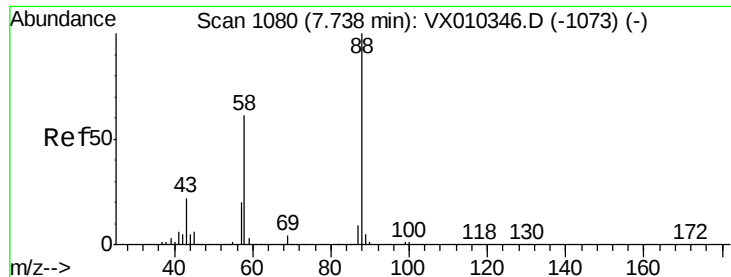
Tot Ion: 75 Resp: 16004
 Ion Ratio Lower Upper
 75 100
 110 11.2 20.8 62.2#
 77 0.4 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.891 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010872.D
 Acq: 15 Jul 2019 10:25

Tgt Ion: 117 Resp: 22579
 Ion Ratio Lower Upper
 117 100
 119 3.7 78.2 117.4#
 121 0.0 24.7 37.1#

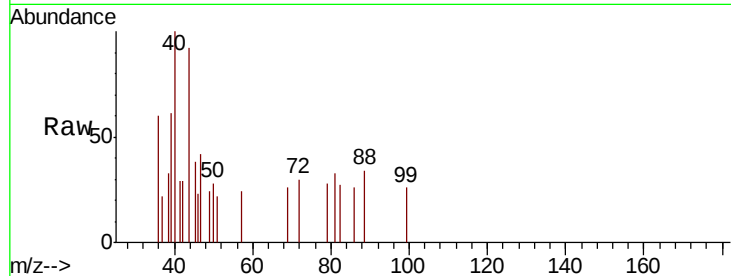




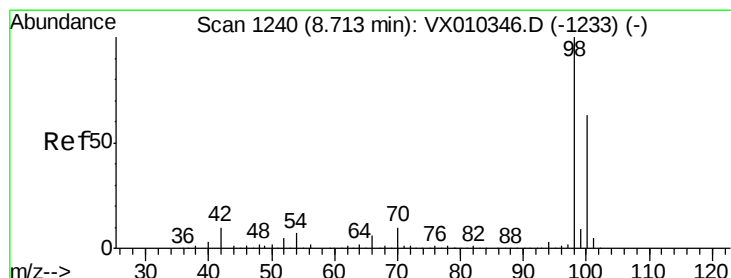
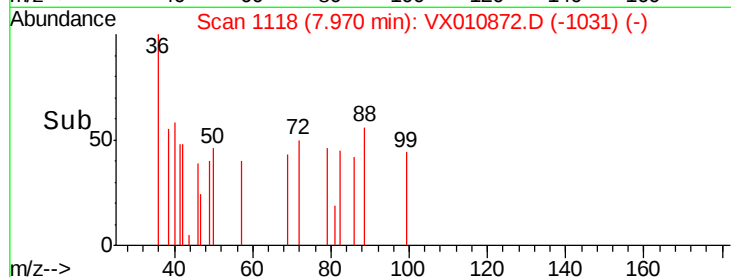
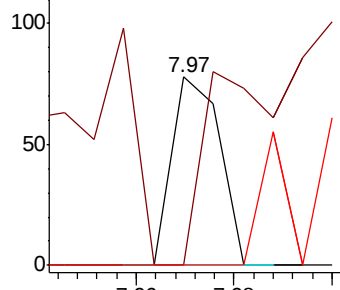
#49
1,4-Dioxane
Concen: 0.769 ug/l
RT: 7.97 min Scan# 1118
Delta R.T. 0.23 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

Instrument :
MSVOA_X
ClientSampled :
TB-7-12-19

Tot Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 190.6 20.2 30.2#
58 0.0 49.5 74.3#

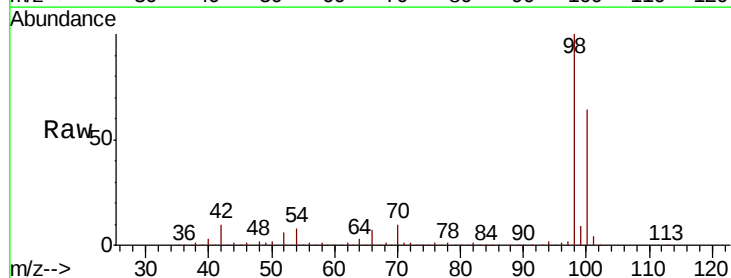


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

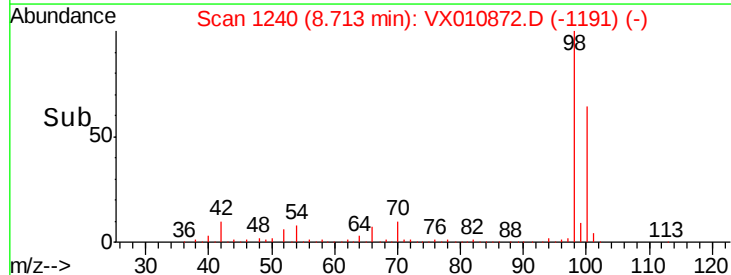
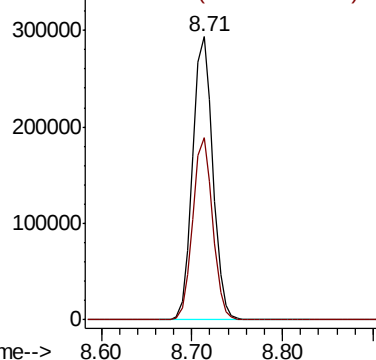


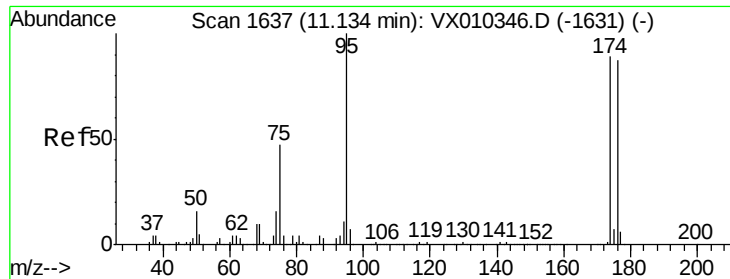
#50
Toluene-d8
Concen: 51.263 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

Tgt Ion: 98 Resp: 456883
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

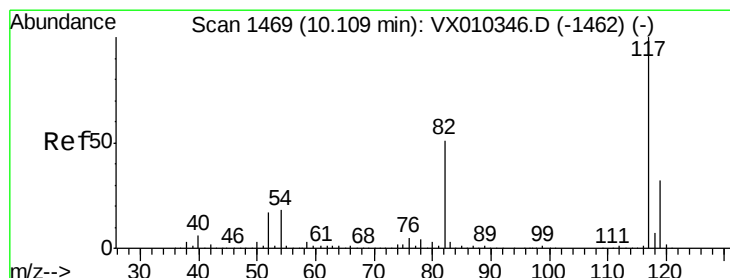
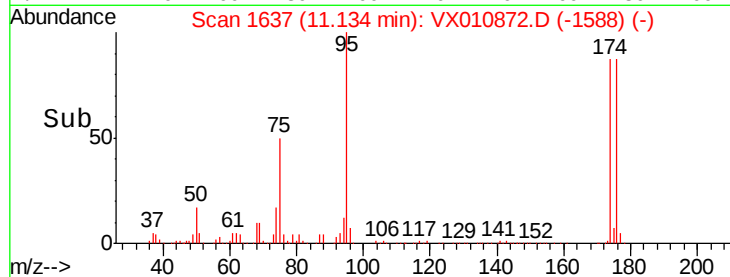
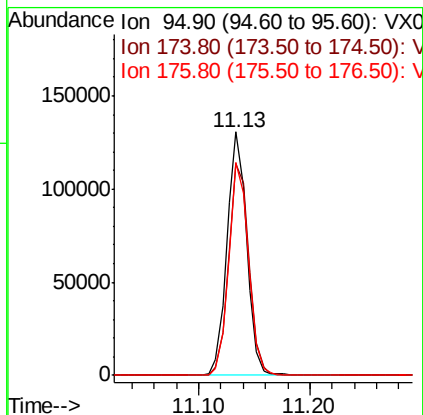
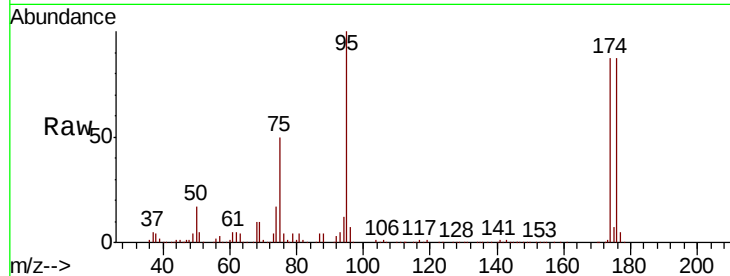




#62
4-Bromofluorobenzene
Concen: 49.563 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

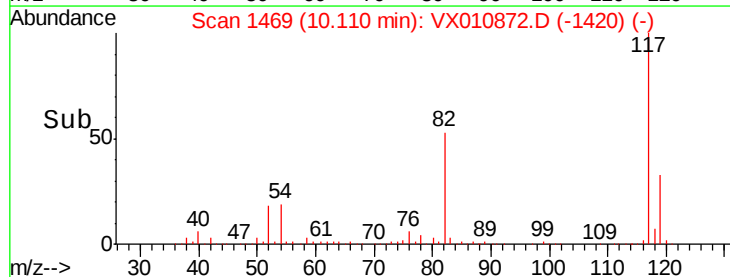
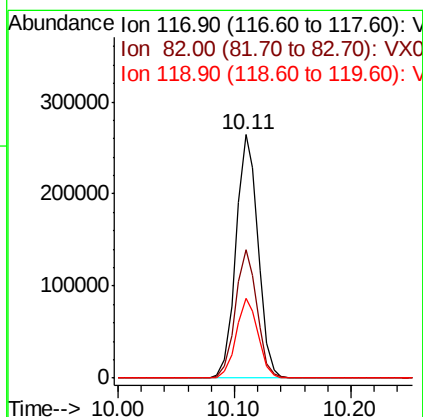
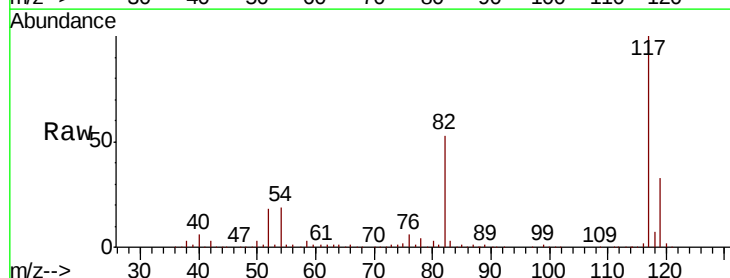
Instrument :
MSVOA_X
ClientSampleId :
TB-7-12-19

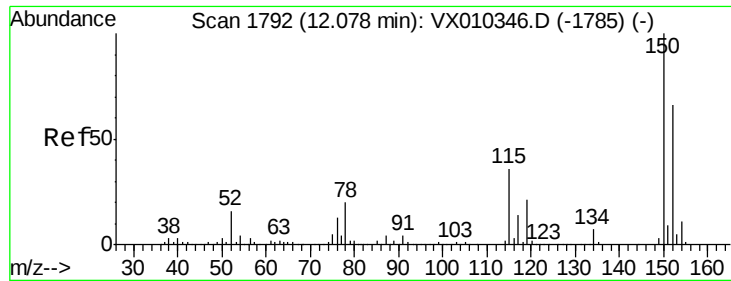
Tot Ion: 95 Resp: 159476
Ion Ratio Lower Upper
95 100
174 90.0 0.0 187.6
176 87.3 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010872.D
Acq: 15 Jul 2019 10:25

Tgt Ion: 117 Resp: 350172
Ion Ratio Lower Upper
117 100
82 52.7 41.2 61.8
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010872.D

Acq: 15 Jul 2019 10:25

Instrument :

MSVOA_X

ClientSampled :

TB-7-12-19

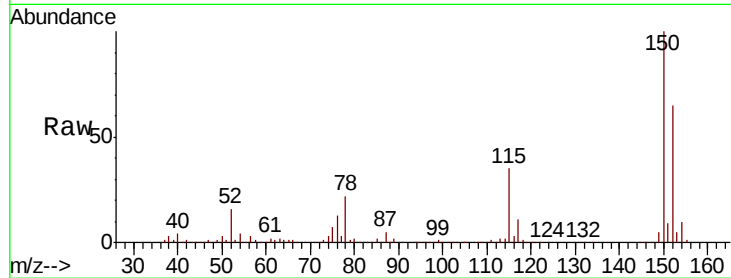
Tot Ion:152 Resp: 162556

Ion Ratio Lower Upper

152 100

115 54.7 38.6 115.7

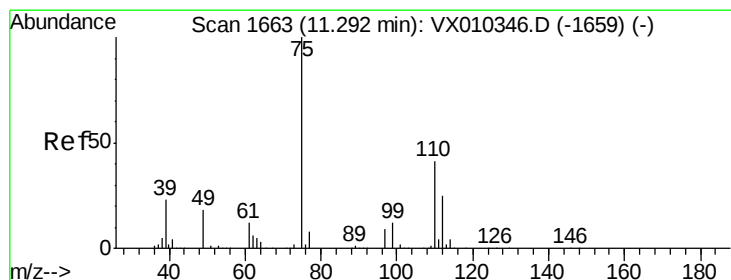
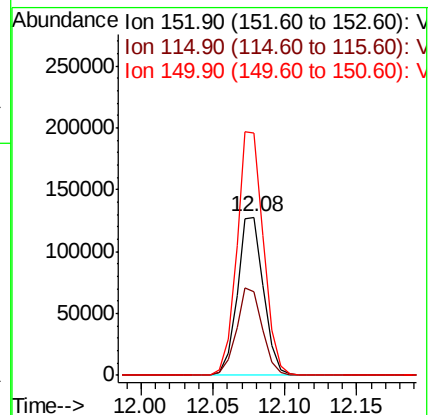
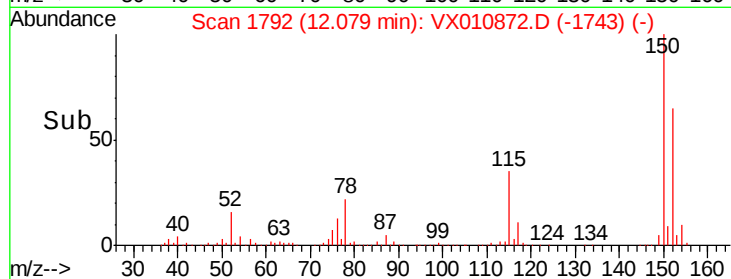
150 156.3 0.0 347.4



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: 26.519 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010872.D

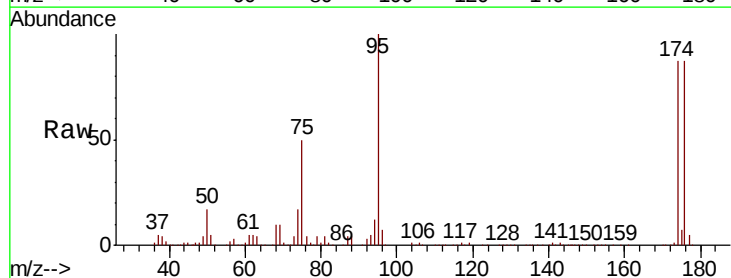
Acq: 15 Jul 2019 10:25

Tgt Ion: 75 Resp: 78555

Ion Ratio Lower Upper

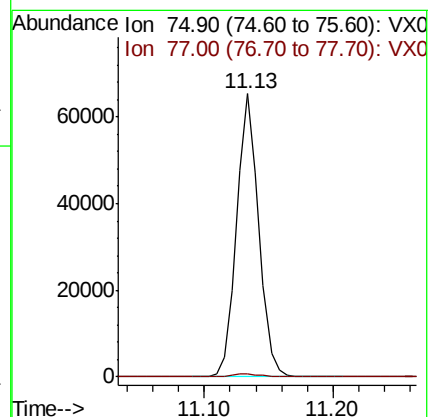
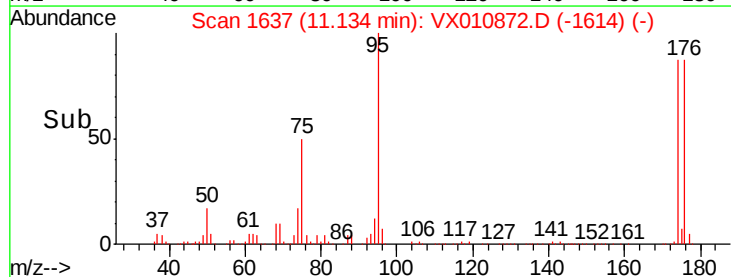
75 100

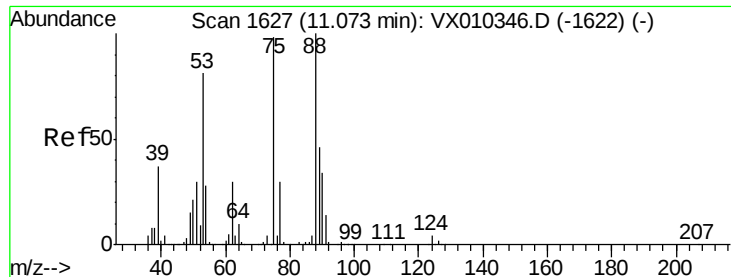
77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.866 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010872.D

Acq: 15 Jul 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

TB-7-12-19

Tot Ion: 75 Resp: 78555

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

