

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004633.D
 Acq On : 17 Sep 2018 21:45
 Operator : JC/MD
 Sample : PB112894ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 00:57:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178241	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	141442	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	5.49	113	133275	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	8.71	98	441342	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
62) 4-Bromofluorobenzene	11.14	95	151066	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

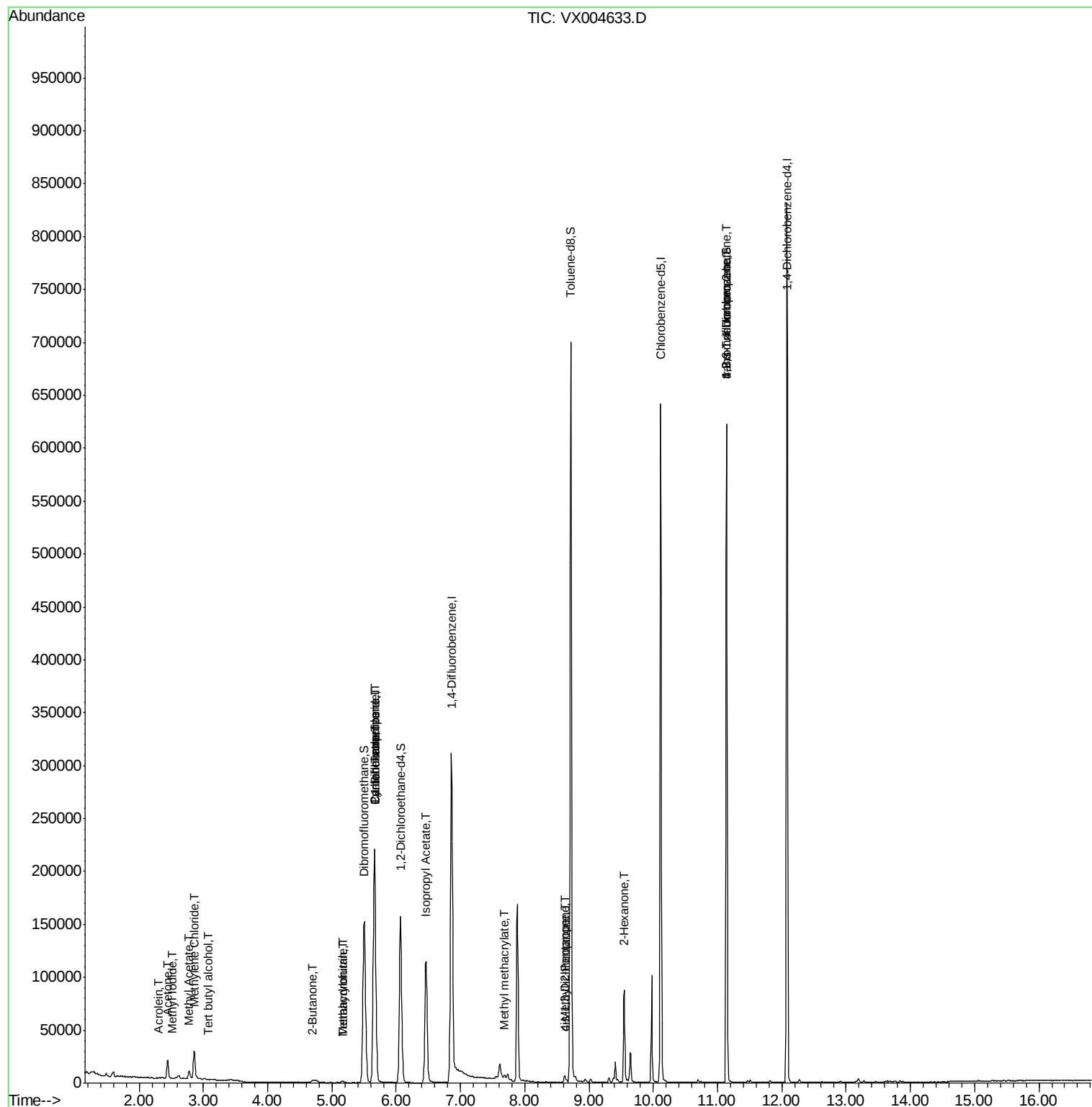
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	513	Below Cal		94
10) Methyl Iodide	2.52	142	156	4.30	ug/l #	41
11) Tert butyl alcohol	3.07	59	267	0.38	ug/l #	72
13) Acrolein	2.29	56	90	0.33	ug/l	84
16) Acetone	2.44	43	18785	13.09	ug/l	96
18) Methyl Acetate	2.78	43	9869	2.45	ug/l	99
20) Methylene Chloride	2.86	84	12527	4.26	ug/l	92
25) 2-Butanone	4.70	43	5139	2.25	ug/l	90
29) Tetrahydrofuran	5.17	42	1438	1.04	ug/l #	76
31) Cyclohexane	5.66	56	3809	0.90	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15053	3.95	ug/l #	48
38) Carbon Tetrachloride	5.66	117	18156	4.87	ug/l #	16
41) Methacrylonitrile	5.17	41	1046	0.44	ug/l #	32
43) Isopropyl Acetate	6.46	43	147247	25.55	ug/l	99
48) Methyl methacrylate	7.68	41	5625	1.97	ug/l #	21
51) 4-Methyl-2-Pentanone	8.62	43	2167	0.53	ug/l #	34
54) cis-1,3-Dichloropropene	8.62	75	1021	0.26	ug/l #	74
59) 2-Hexanone	9.55	43	9442	3.03	ug/l #	55
76) 1,2,3-Trichloropropane	11.14	75	71763	20.01	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	71763	63.79	ug/l #	10

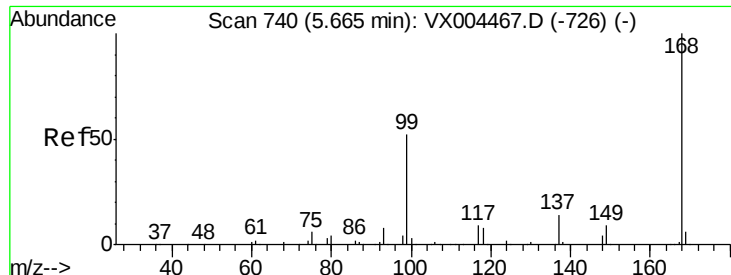
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

Instrument :

MSVOA_X

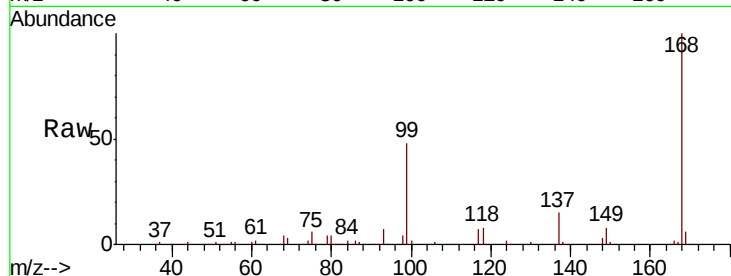
ClientSampled :

Tot Ion:168 Resp: 227984

Ion Ratio Lower Upper

168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

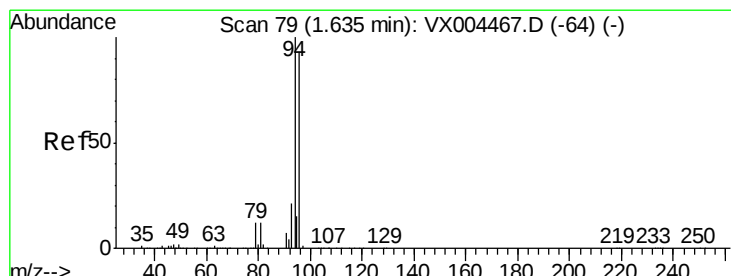
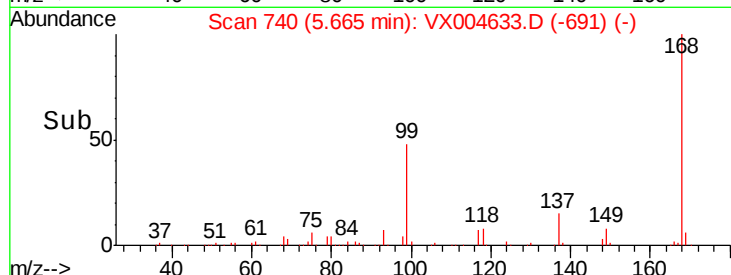
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004633.D

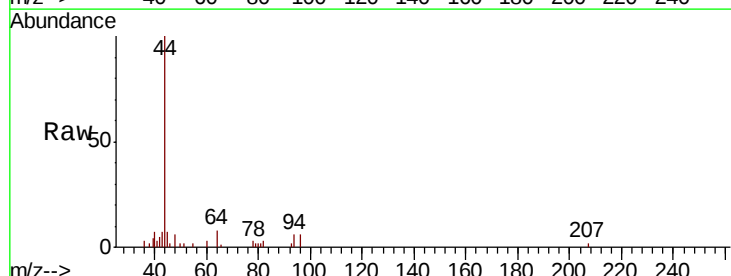
Acq: 17 Sep 2018 21:45

Tgt Ion: 94 Resp: 513

Ion Ratio Lower Upper

94 100

96 99.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

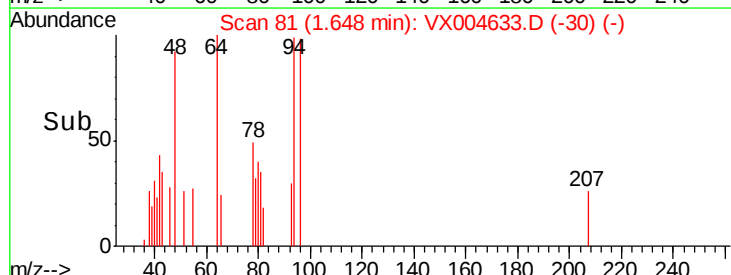
150

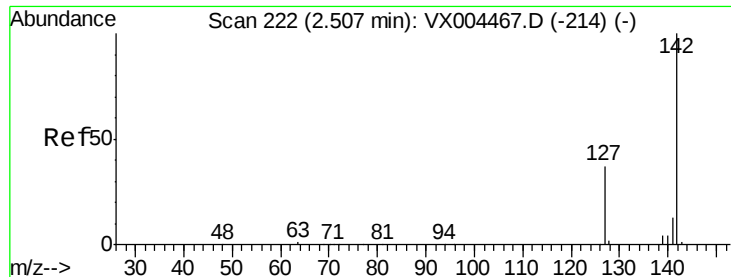
100

50

0

Time--> 1.60 1.65 1.70

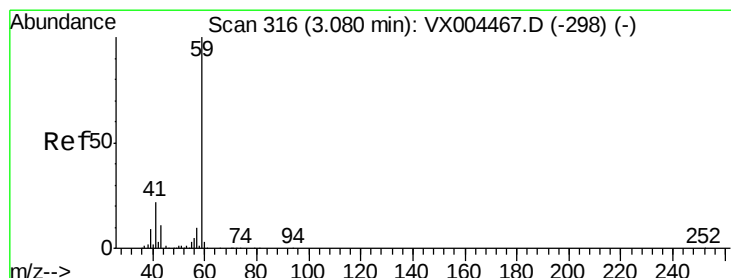
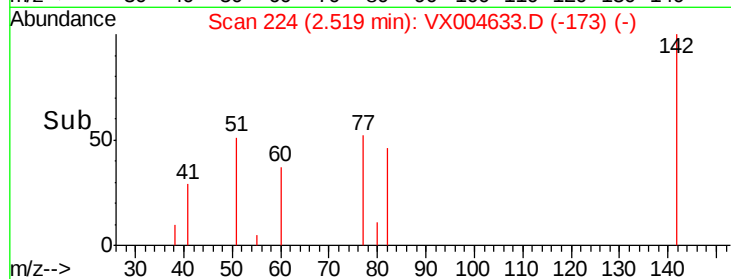
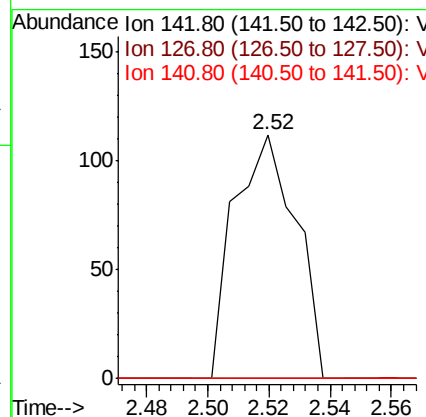
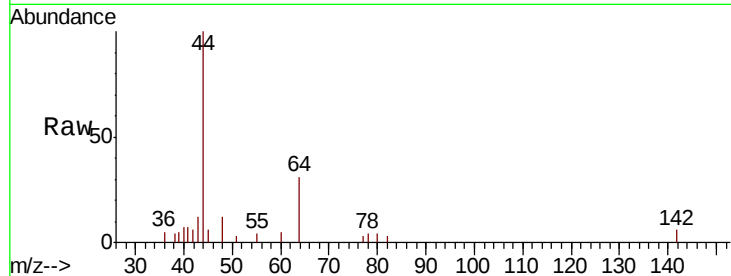




#10
Methyl Iodide
Concen: 4.30 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

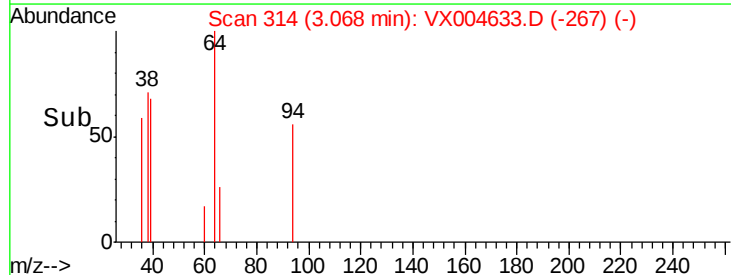
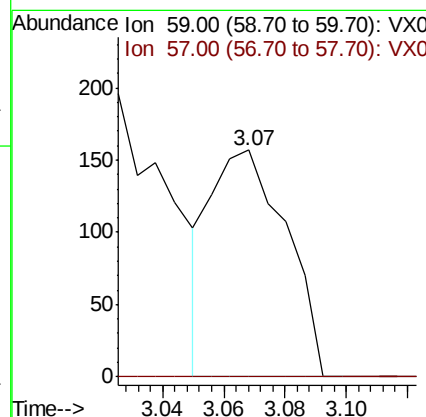
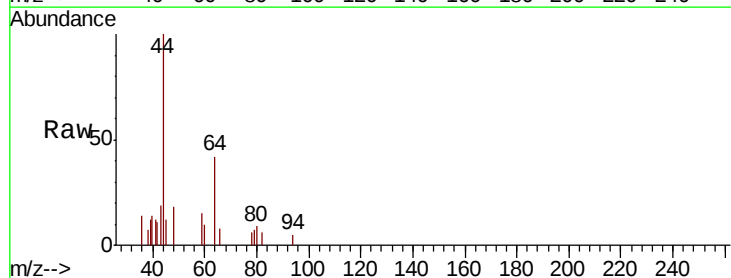
Instrument :
MSVOA_X
ClientSampled :

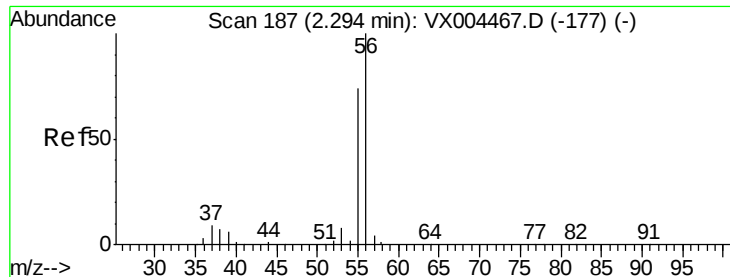
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.8	50.6#
141	0.0	11.4	17.0#



#11
Tert butyl alcohol
Concen: 0.38 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

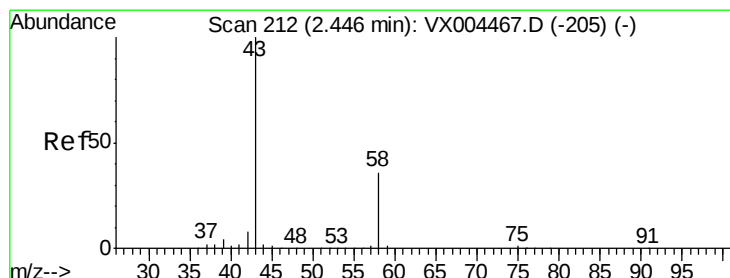
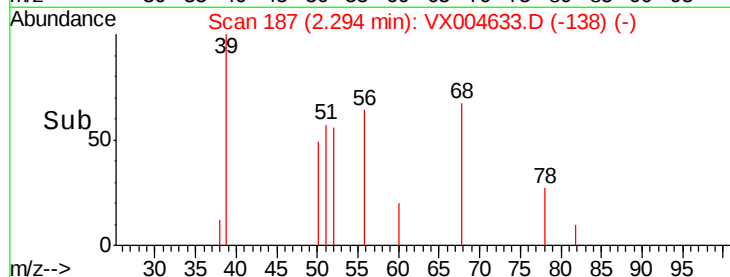
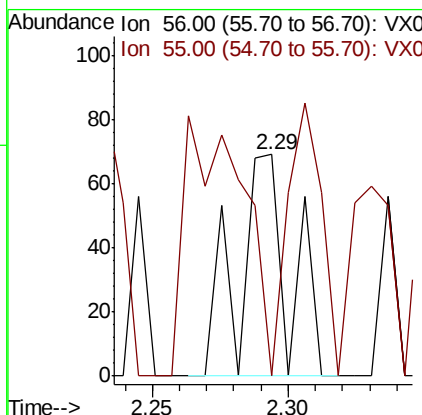
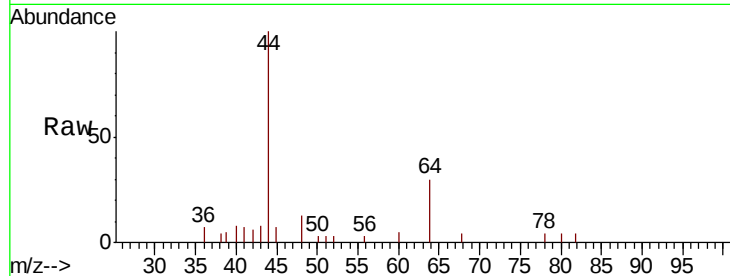




#13
Acrolein
Concen: 0.33 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

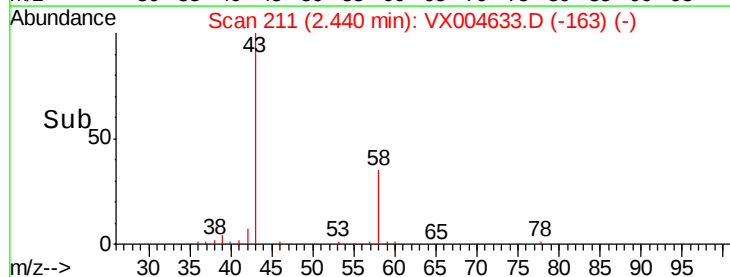
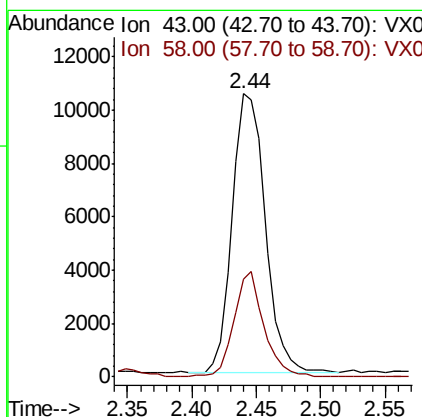
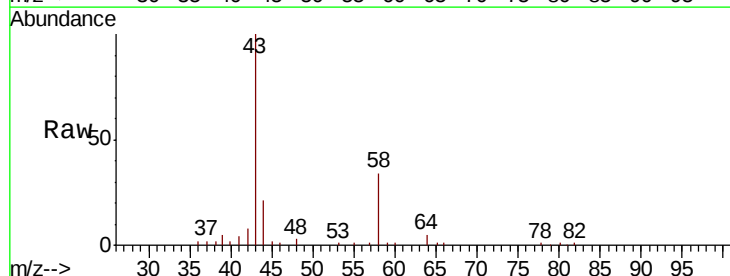
Instrument :
MSVOA_X
ClientSampled :

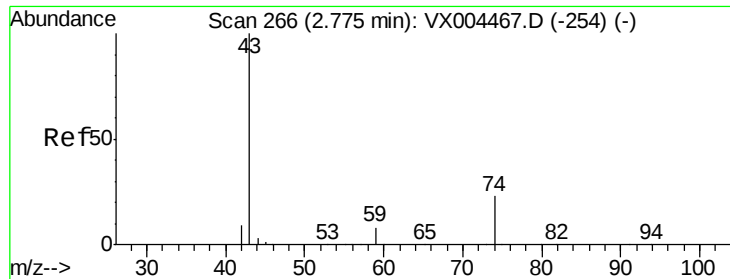
Tot Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 81.1 54.7 82.1



#16
Acetone
Concen: 13.09 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Tgt Ion: 43 Resp: 18785
Ion Ratio Lower Upper
43 100
58 35.0 26.2 39.4

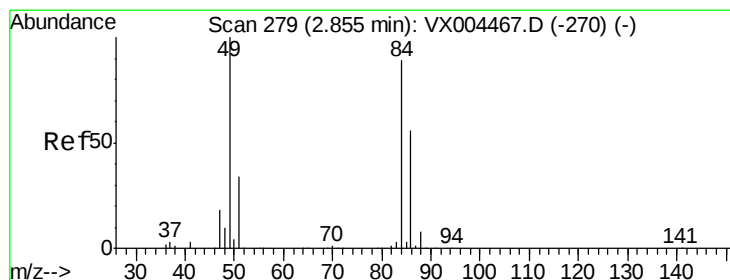
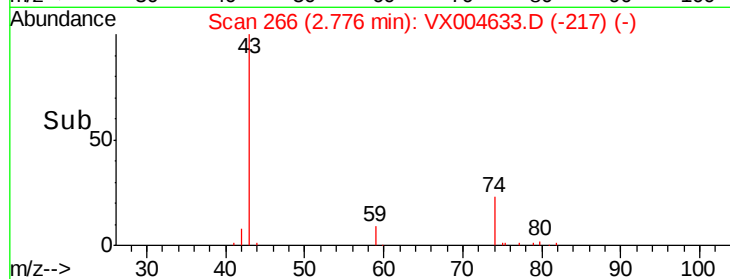
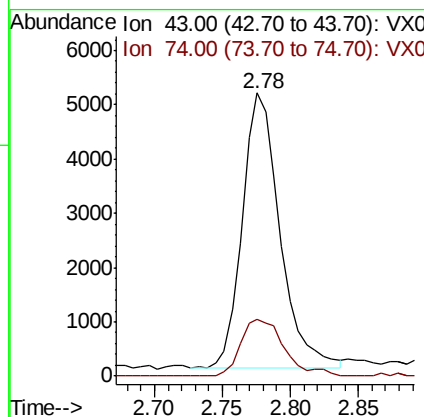
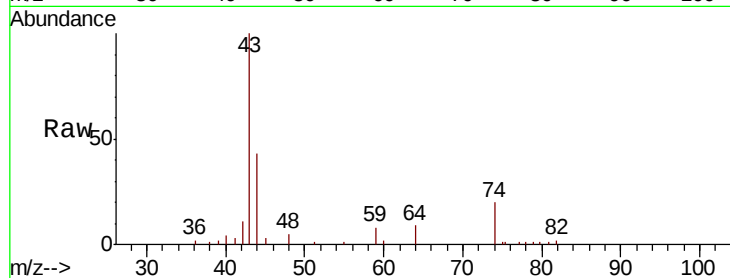




#18
Methvl Acetate
Concen: 2.45 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

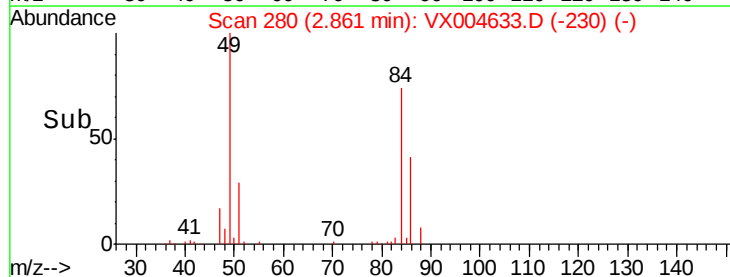
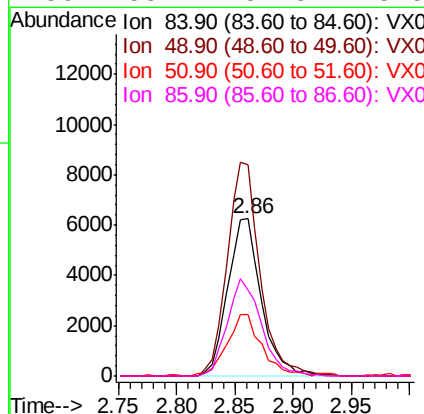
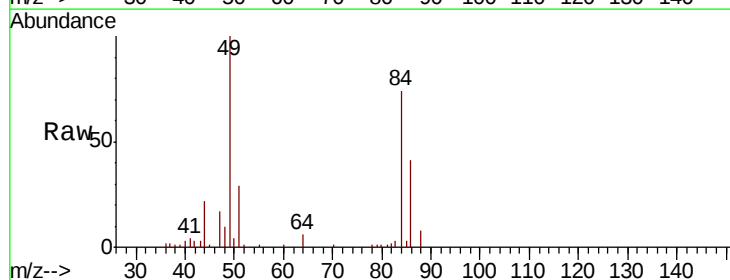
Instrument :
MSVOA_X
ClientSampleId :

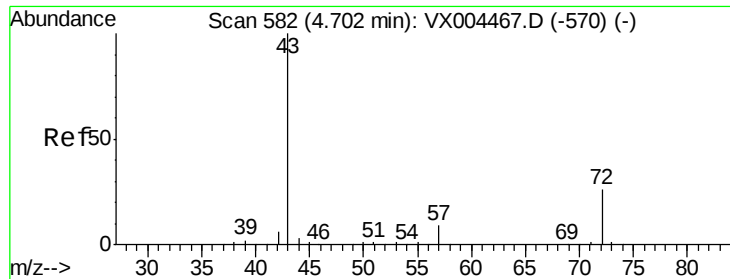
Tot Ion: 43 Resp: 9869
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2



#20
Methylene Chloride
Concen: 4.26 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Tgt Ion: 84 Resp: 12527
Ion Ratio Lower Upper
84 100
49 134.3 101.2 151.8
51 39.1 29.5 44.3
86 55.1 52.3 78.5





#25

2-Butanone

Concen: 2.25 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

Instrument :

MSVOA_X

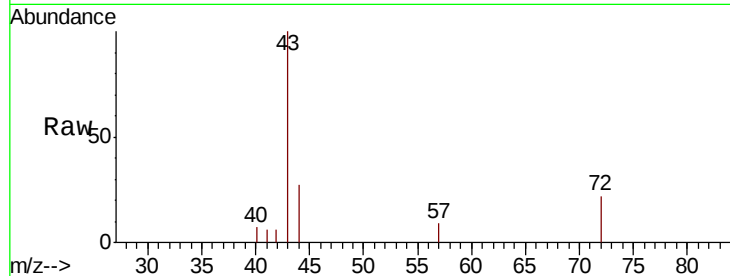
ClientSampleId :

Tot Ion: 43 Resp: 5139

Ion Ratio Lower Upper

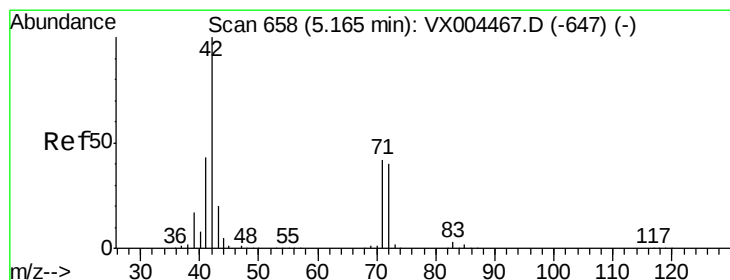
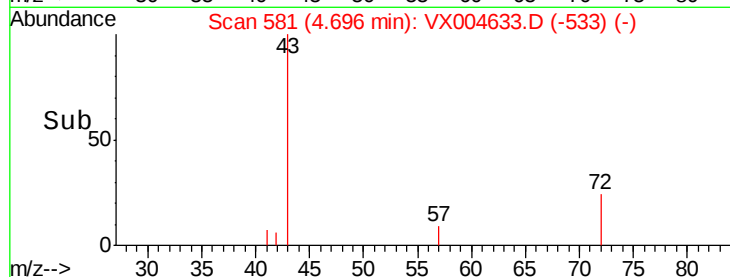
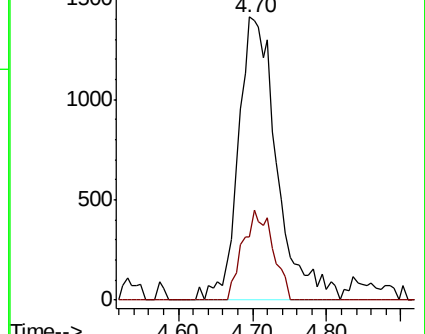
43 100

72 22.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.04 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

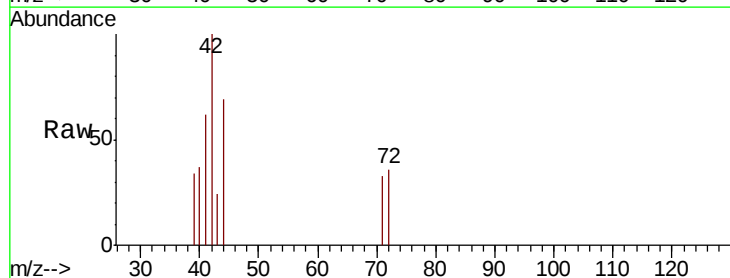
Tgt Ion: 42 Resp: 1438

Ion Ratio Lower Upper

42 100

72 20.3 37.4 56.0#

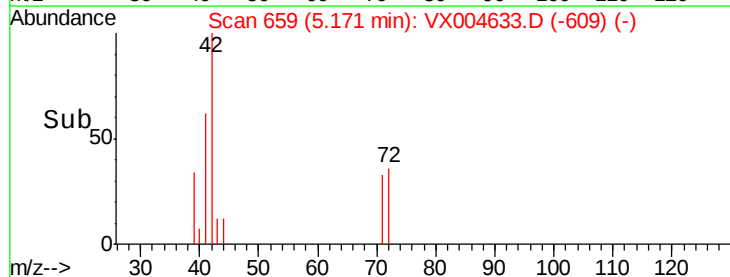
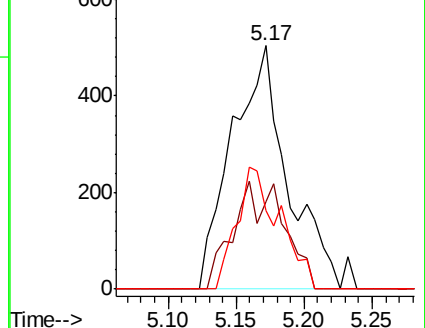
71 38.7 34.5 51.7

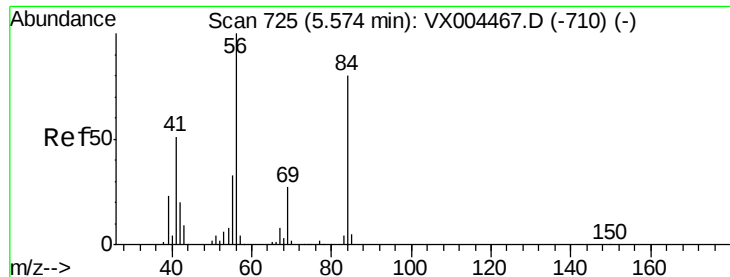


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

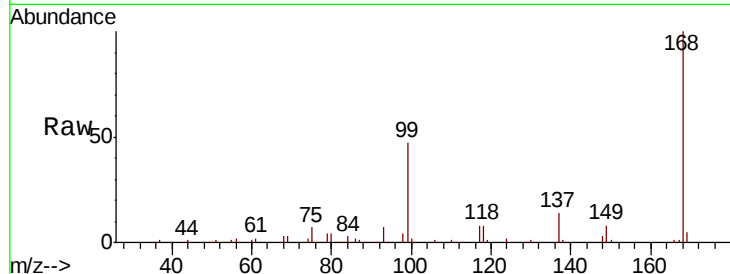




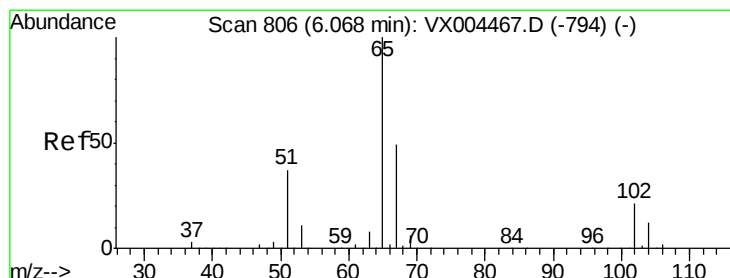
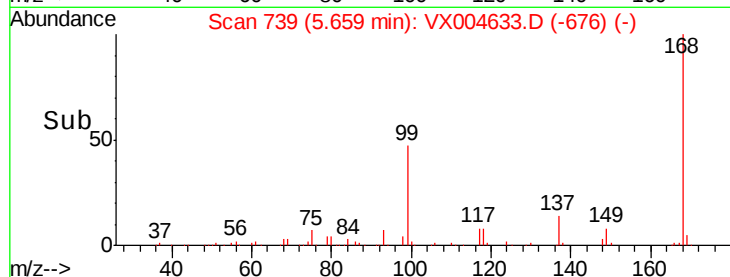
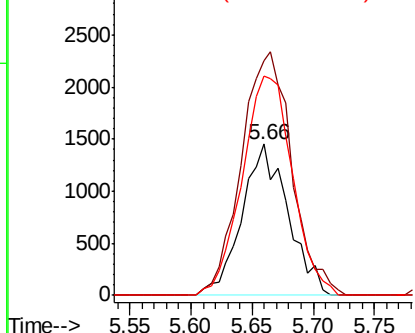
#31
Cyclohexane
Concen: 0.90 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3809
Ion Ratio Lower Upper
56 100
69 155.1 25.4 38.2#
84 145.6 71.4 107.2#

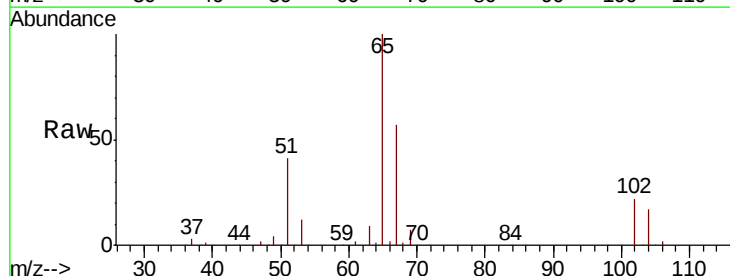


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

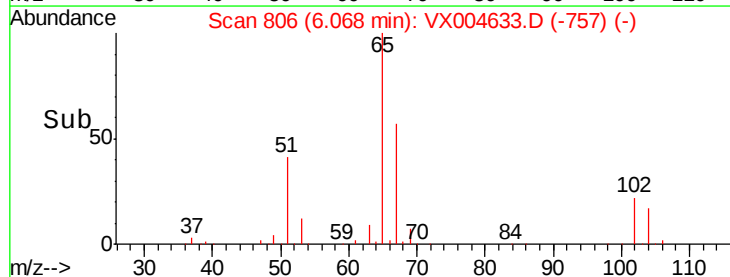
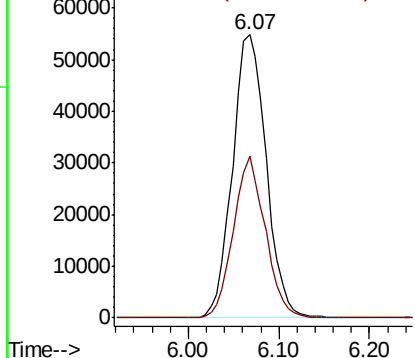


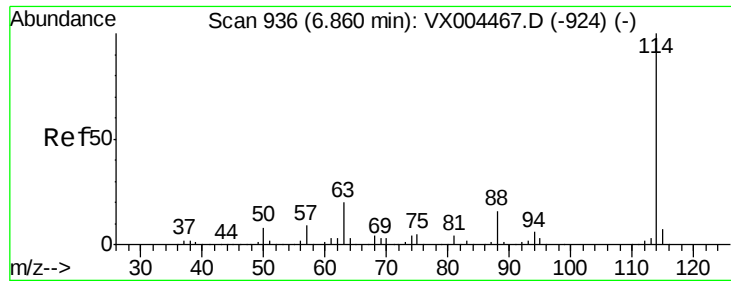
#33
1,2-Dichloroethane-d4
Concen: 48.12 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Tgt Ion: 65 Resp: 141442
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

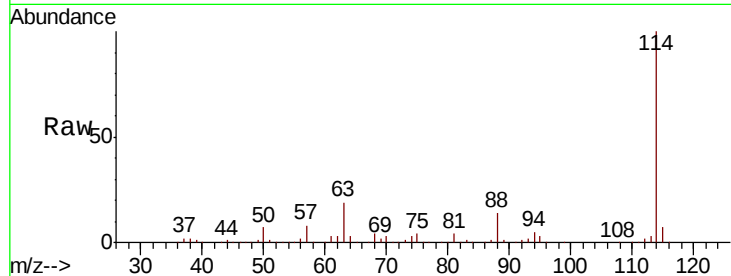




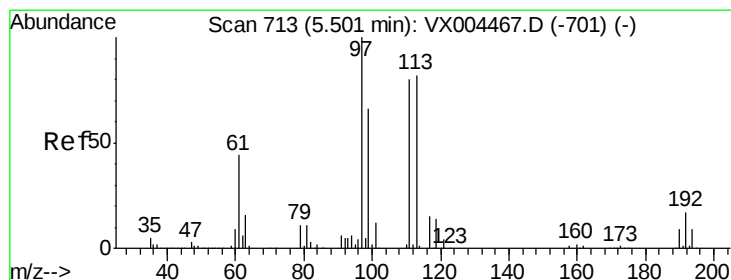
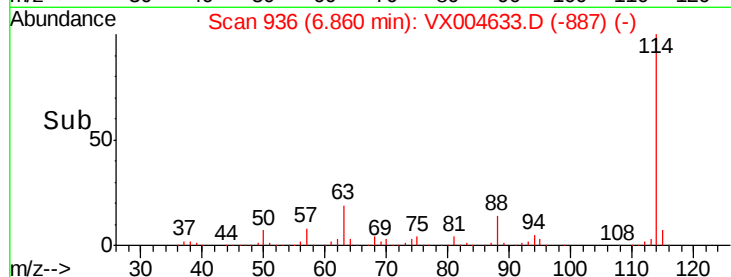
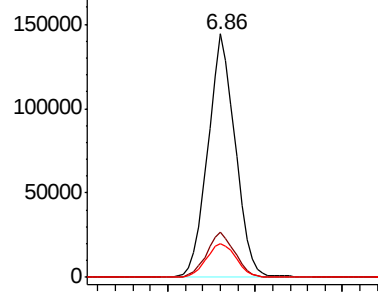
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004633.D
 Acq: 17 Sep 2018 21:45

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 314291
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.0
 88 13.7 0.0 30.4

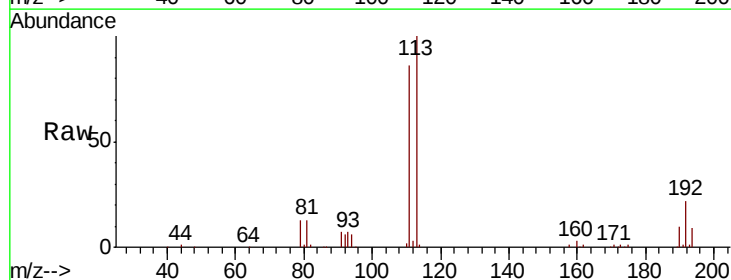


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

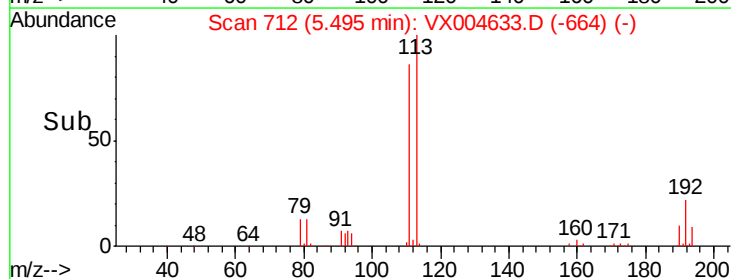
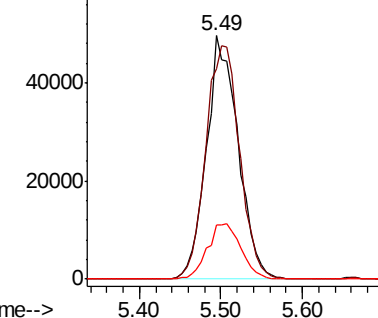


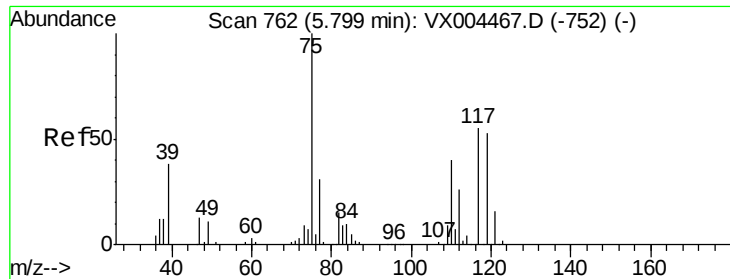
#35
 Dibromofluoromethane
 Concen: 46.34 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004633.D
 Acq: 17 Sep 2018 21:45

Tgt Ion:113 Resp: 133275
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 24.1 19.4 29.2



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

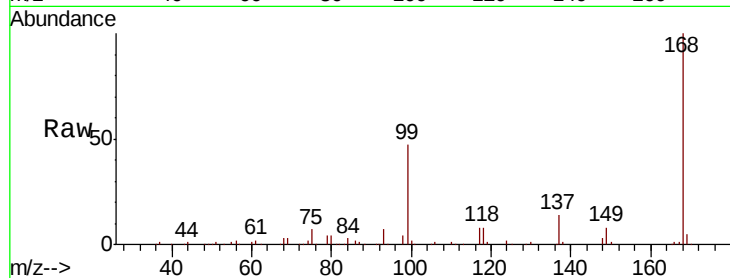




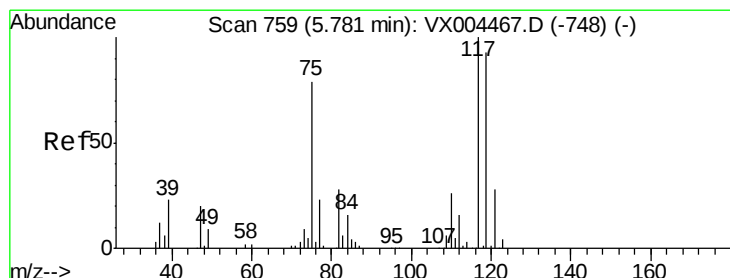
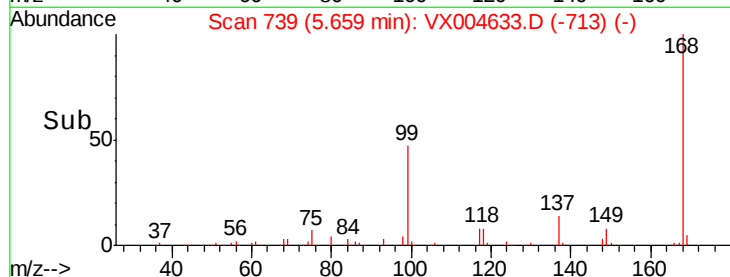
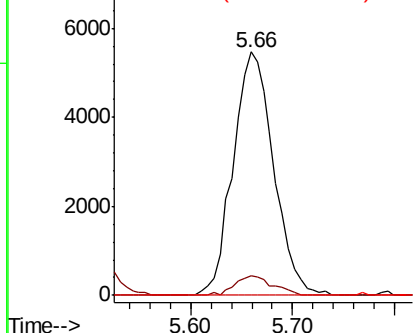
#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004633.D
 Acq: 17 Sep 2018 21:45

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.0	54.0#
77	0.0	24.6	36.8#

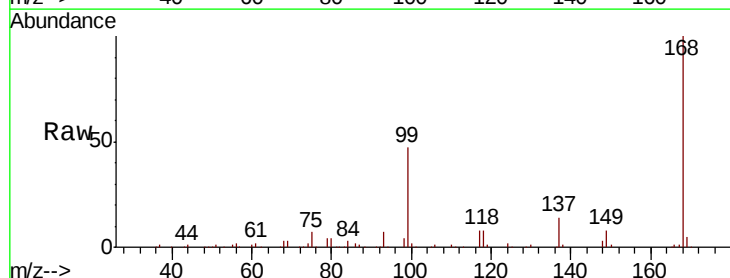


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

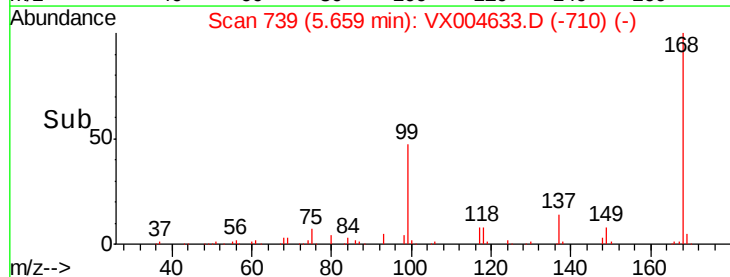
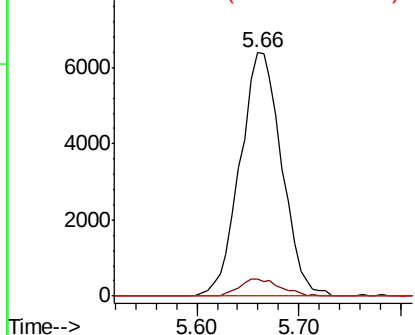


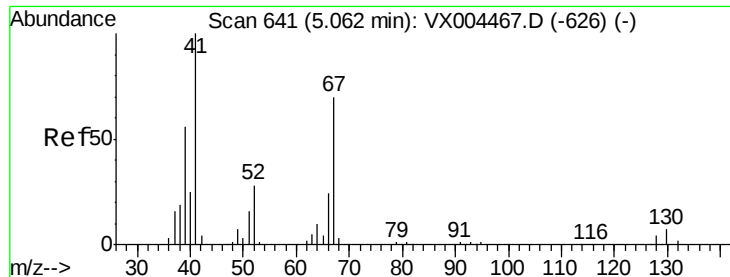
#38
 Carbon Tetrachloride
 Concen: 4.87 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004633.D
 Acq: 17 Sep 2018 21:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	78.8	118.2#
121	0.0	24.9	37.3#



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

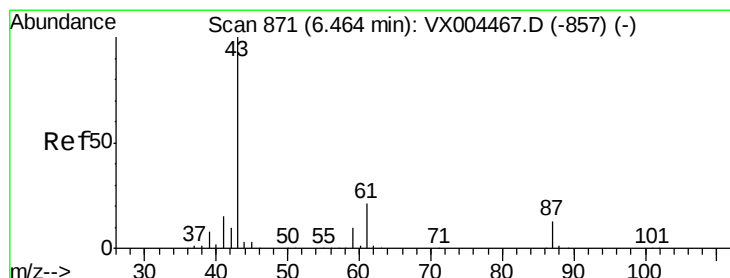
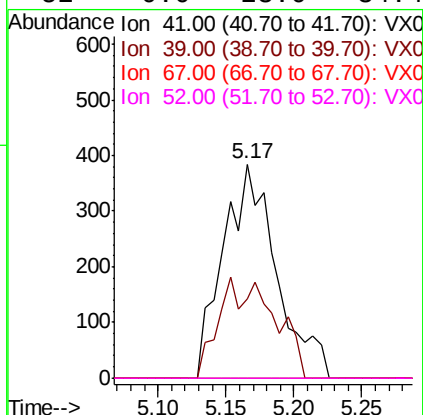
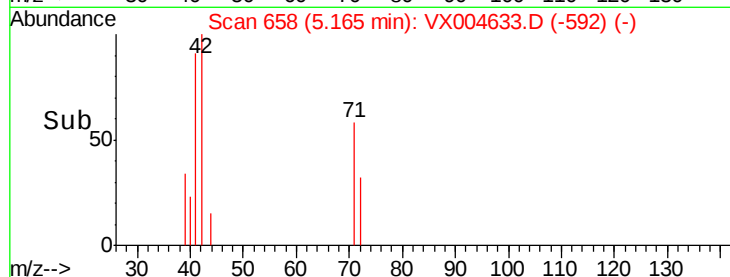
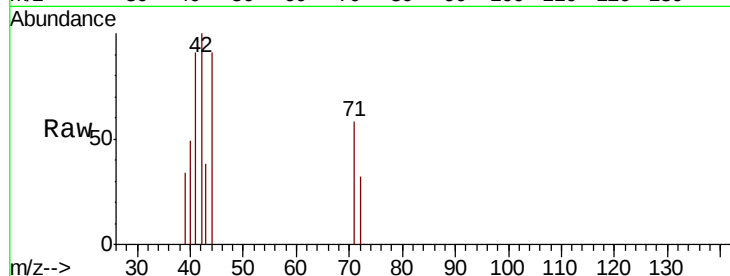




#41
Methacrylonitrile
Concen: 0.44 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.10 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

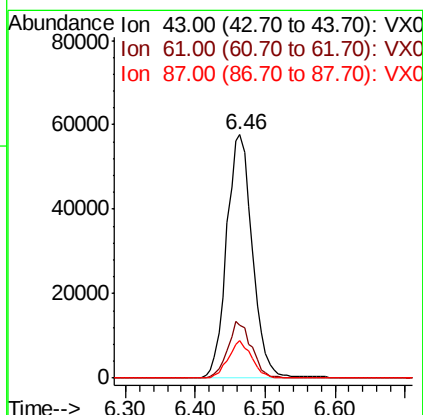
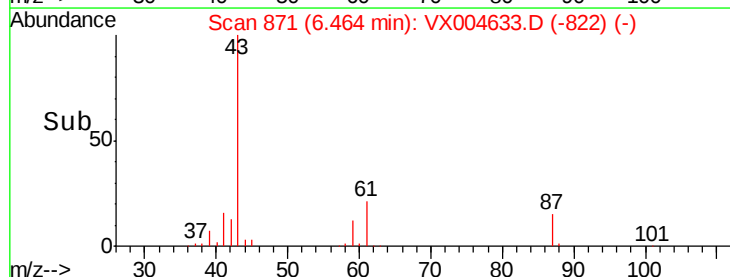
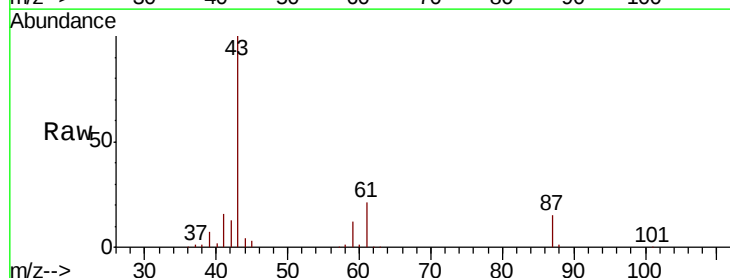
Instrument :
MSVOA_X
ClientSampled :

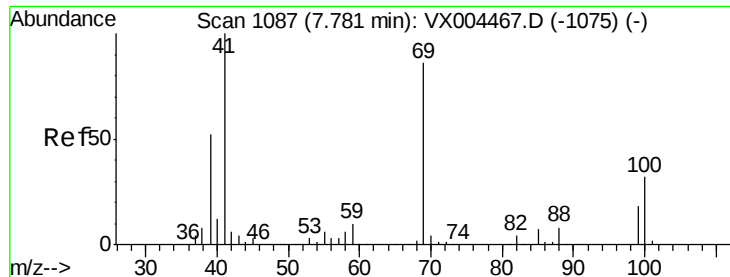
Tot Ion:	41	Resp:	1046
Ion	Ratio	Lower	Upper
41	100		
39	19.7	42.4	63.6#
67	0.0	59.2	88.8#
52	0.0	23.0	34.4#



#43
Isopropyl Acetate
Concen: 25.55 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Tgt Ion:	43	Resp:	147247
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.0	11.4	17.2





#48

Methvl methacrylate

Concen: 1.97 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.10 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :

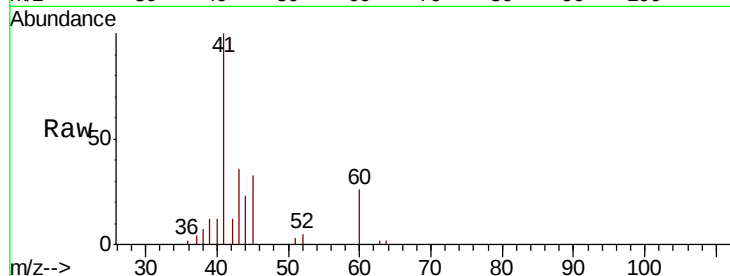
Tot Ion: 41 Resp: 5625

Ion Ratio Lower Upper

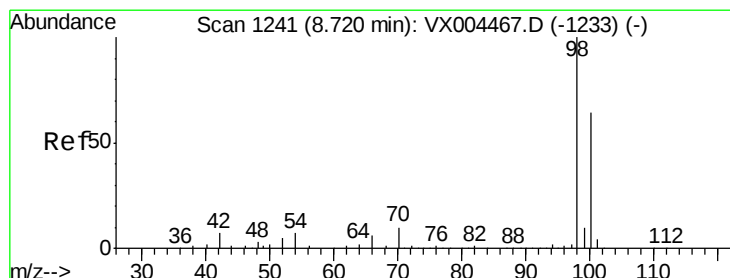
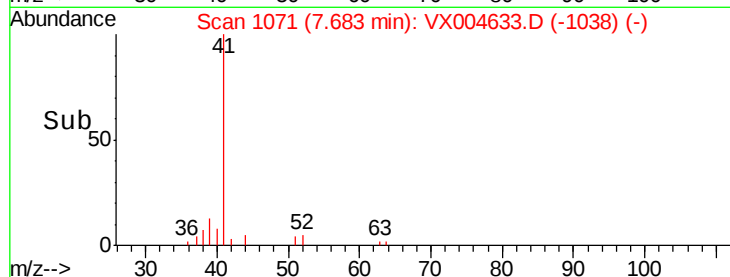
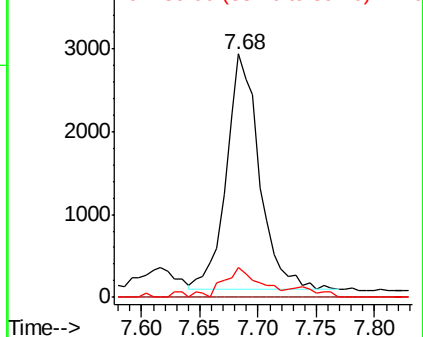
41 100

69 0.0 70.2 105.4#

39 14.4 42.7 64.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 45.76 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004633.D

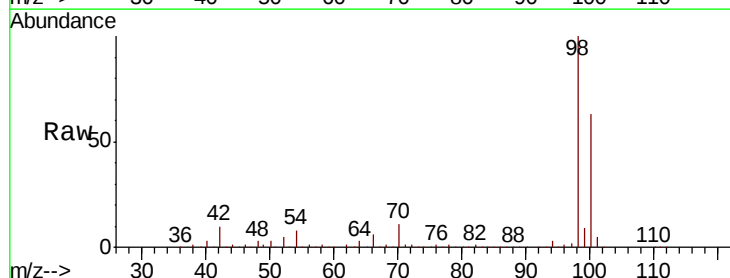
Acq: 17 Sep 2018 21:45

Tgt Ion: 98 Resp: 441342

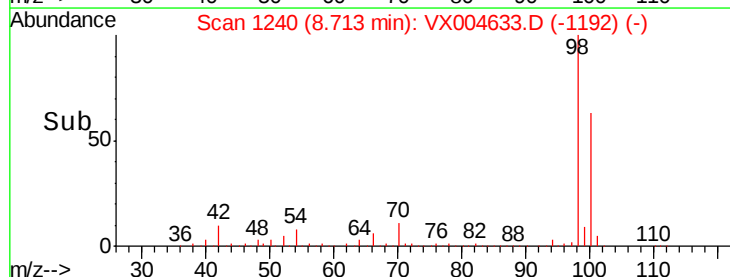
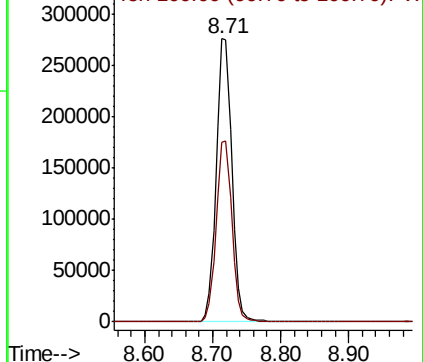
Ion Ratio Lower Upper

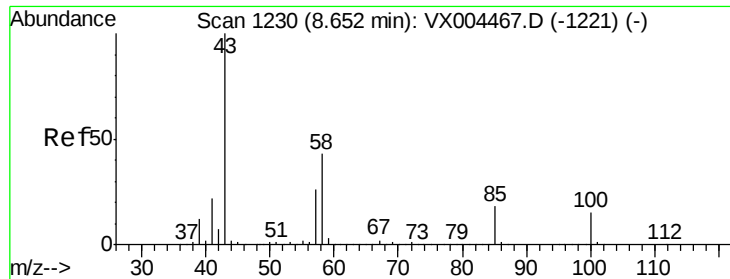
98 100

100 63.9 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 0.53 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

Instrument :

MSVOA_X

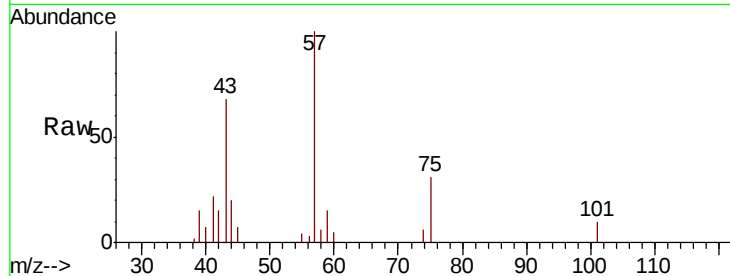
ClientSampled :

Tot Ion: 43 Resp: 2167

Ion Ratio Lower Upper

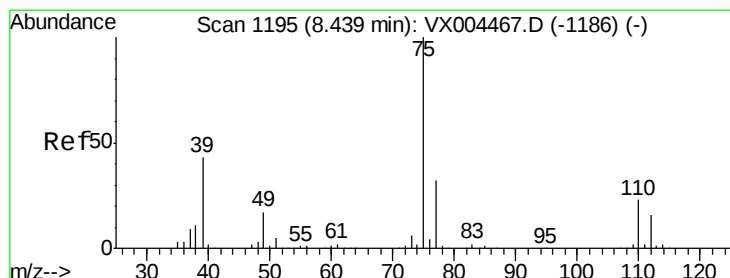
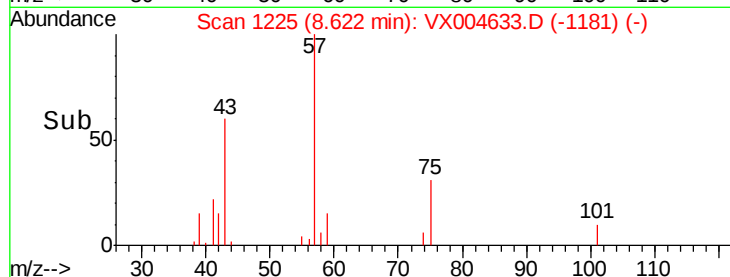
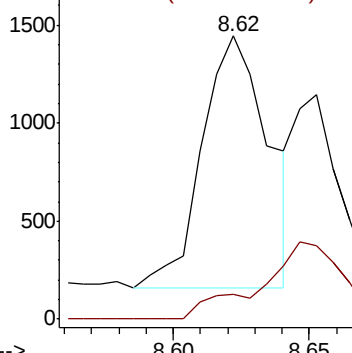
43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.26 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

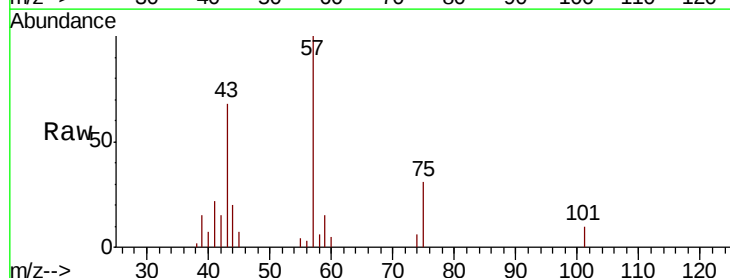
Tgt Ion: 75 Resp: 1021

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

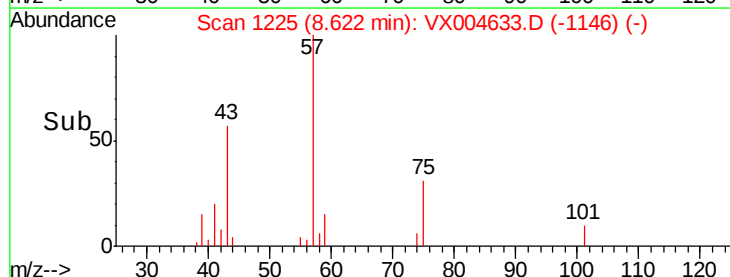
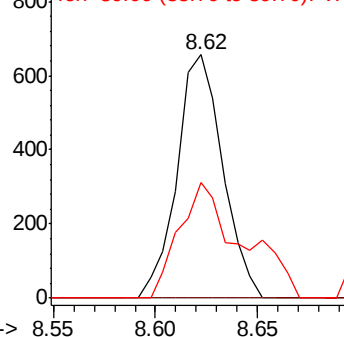
39 47.3 36.4 54.6

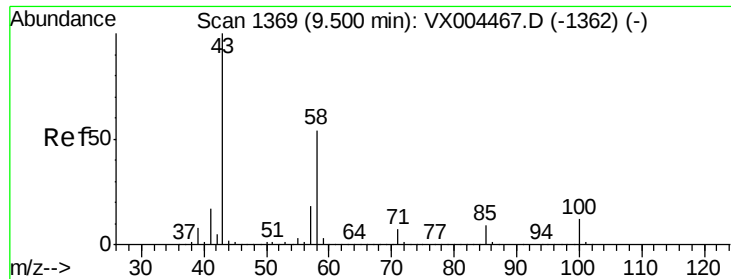


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

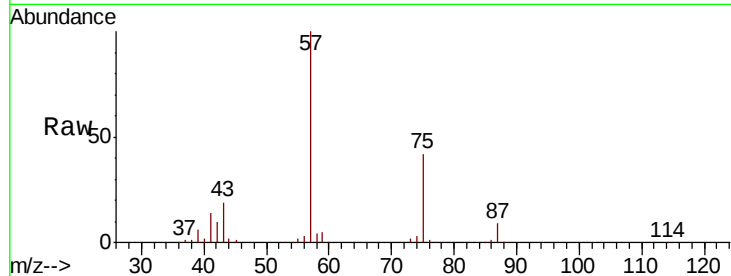




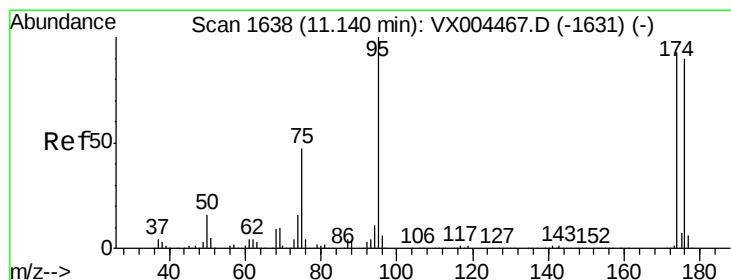
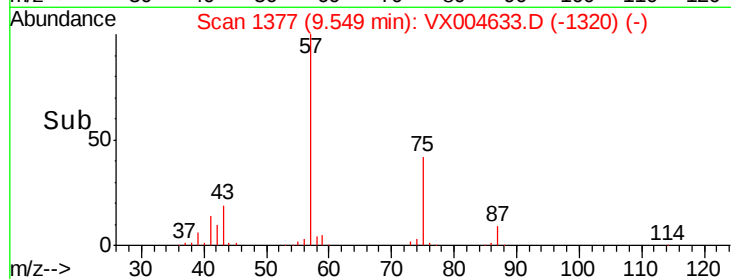
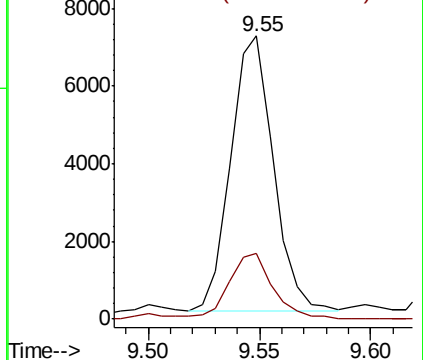
#59
2-Hexanone
Concen: 3.03 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 9442
Ion Ratio Lower Upper
43 100
58 24.8 29.0 87.0#

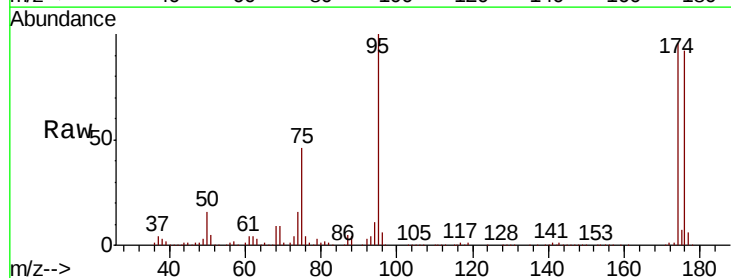


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

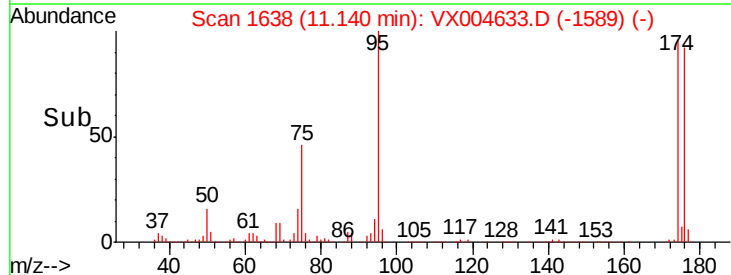
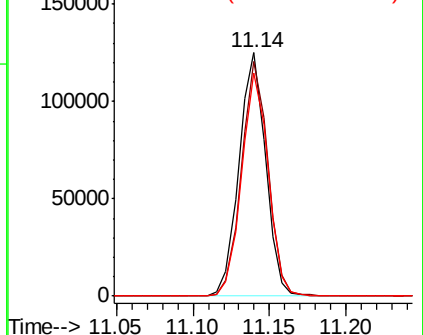


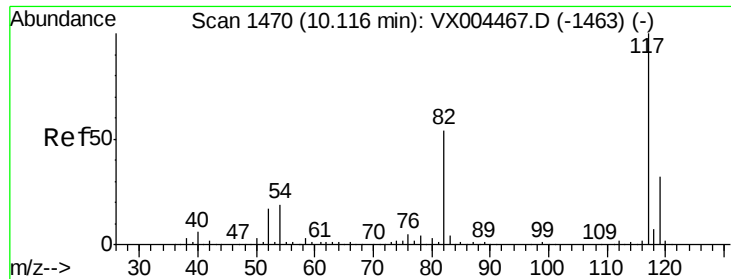
#62
4-Bromofluorobenzene
Concen: 43.88 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Tgt Ion: 95 Resp: 151066
Ion Ratio Lower Upper
95 100
174 96.3 0.0 185.2
176 92.1 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

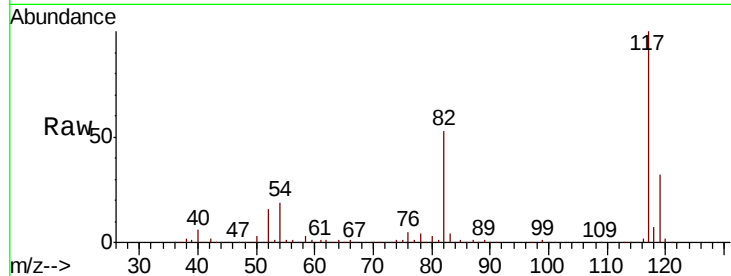




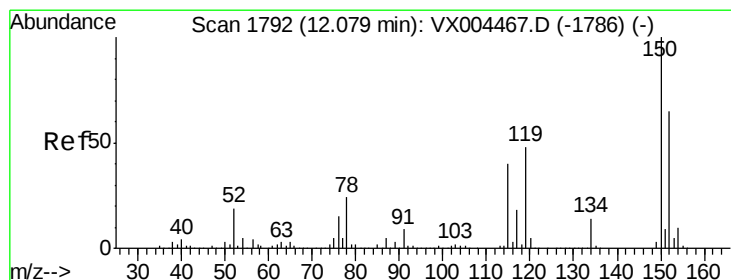
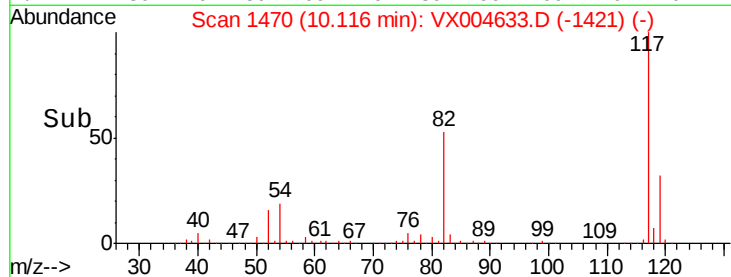
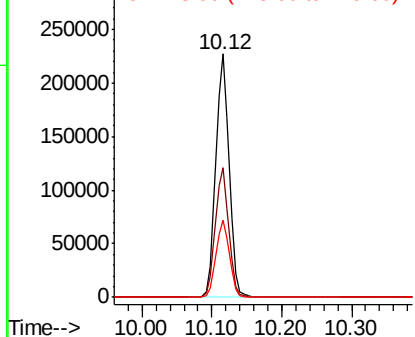
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 302167
Ion Ratio Lower Upper
117 100
82 53.5 47.8 71.6
119 31.7 29.3 43.9

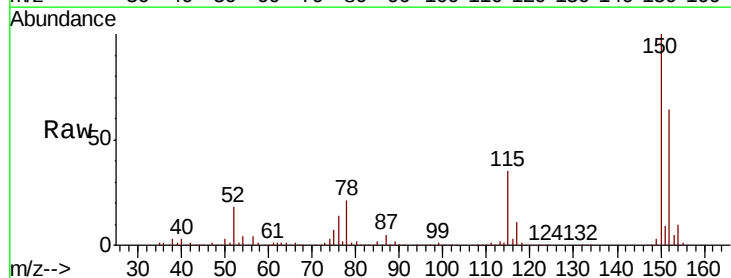


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

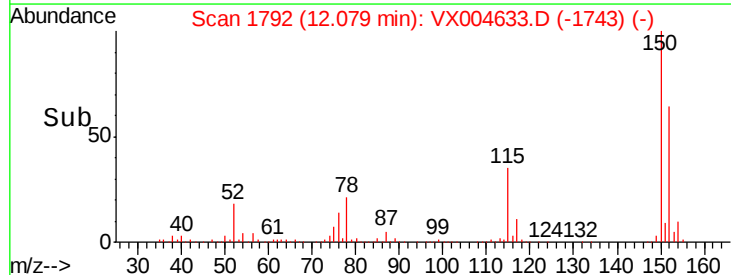
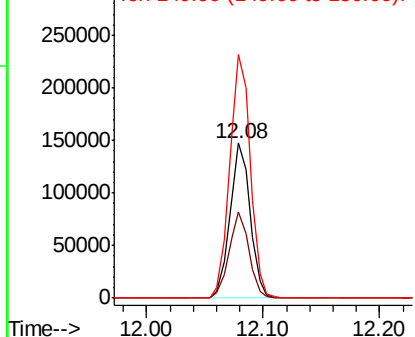


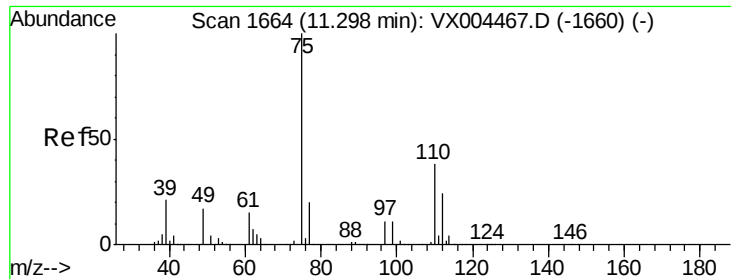
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004633.D
Acq: 17 Sep 2018 21:45

Tgt Ion:152 Resp: 178241
Ion Ratio Lower Upper
152 100
115 54.4 39.0 117.0
150 160.2 0.0 351.0



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: 20.01 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

Instrument :

MSVOA_X

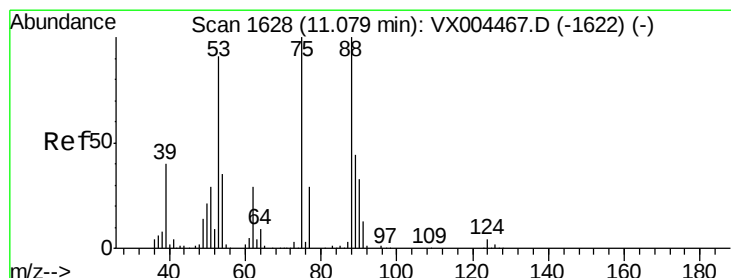
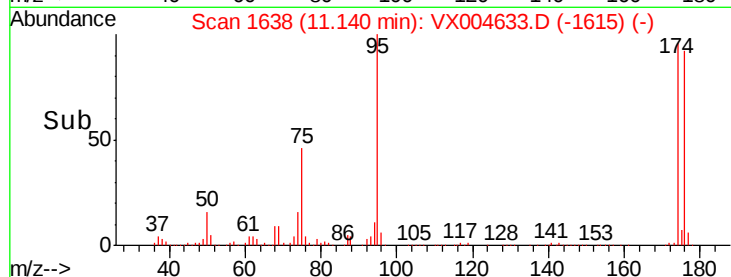
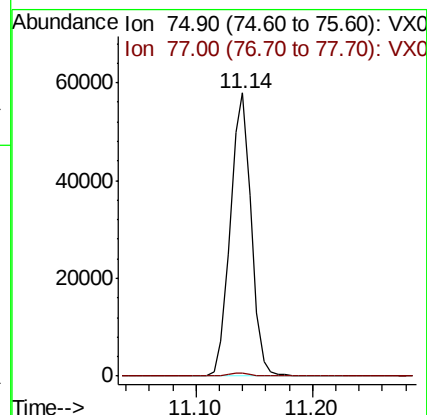
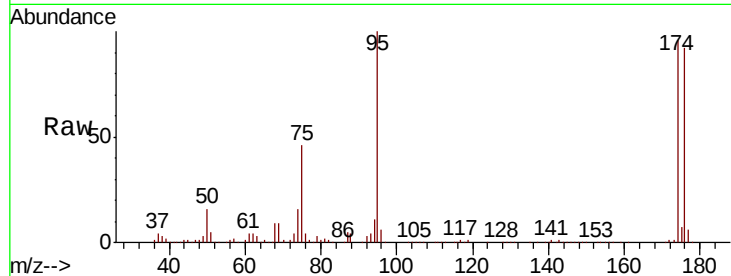
ClientSampleId :

Tot Ion: 75 Resp: 71763

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.79 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004633.D

Acq: 17 Sep 2018 21:45

Tgt Ion: 75 Resp: 71763

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

