

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004625.D
 Acq On : 17 Sep 2018 18:12
 Operator : JC/MD
 Sample : PB112894TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 00:55:01 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	5.66	168	208433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287904	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144354	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	128562	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	5.50	113	126423	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	414987	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.14	95	139973	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	

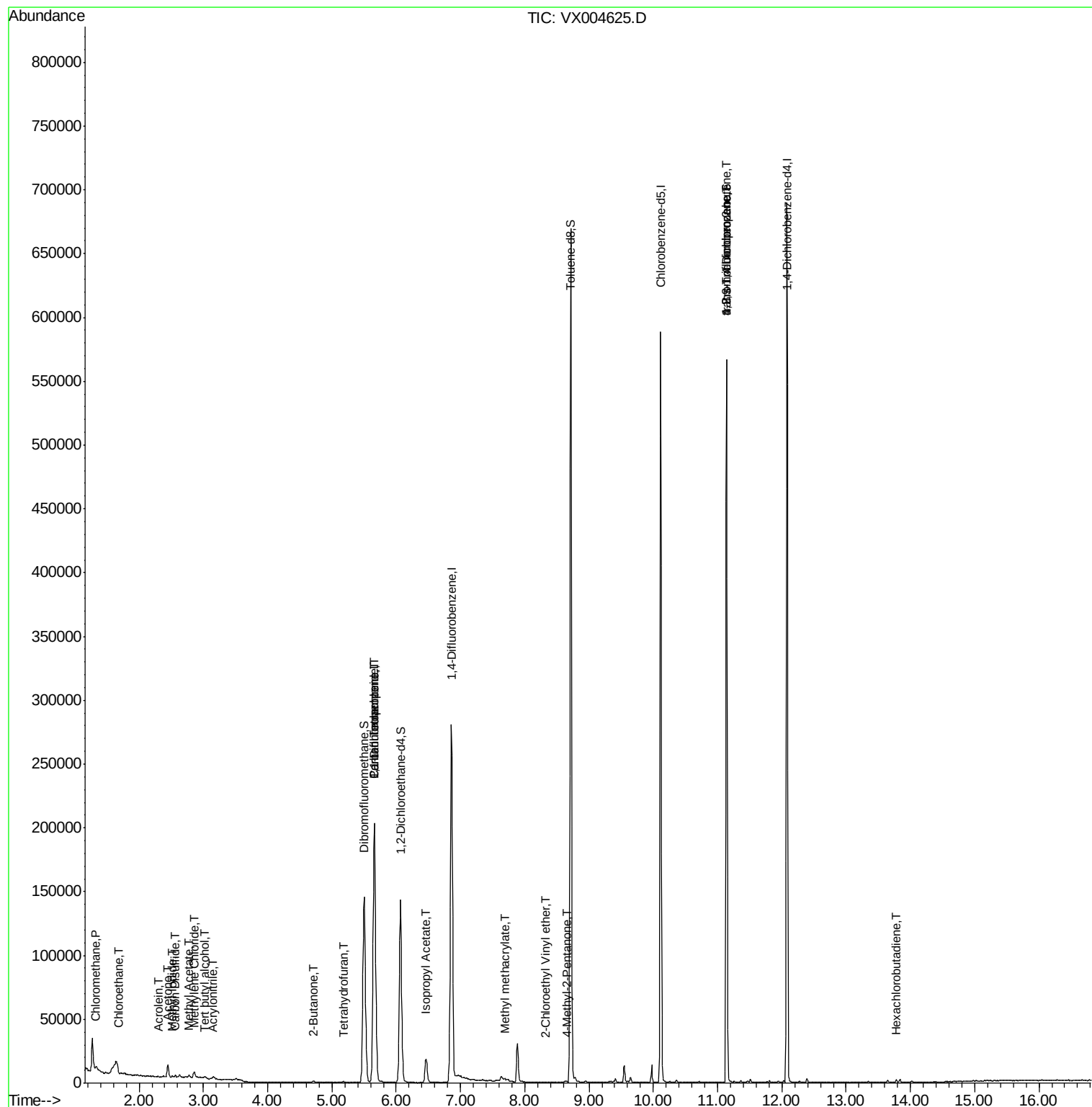
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	563	0.21	ug/l	# 78
5) Bromomethane	1.64	94	1339	Below Cal		# 78
6) Chloroethane	1.68	64	504	0.28	ug/l	# 52
10) Methyl Iodide	2.52	142	1375	4.71	ug/l	# 94
11) Tert butyl alcohol	3.02	59	1048	1.63	ug/l	# 72
13) Acrolein	2.29	56	243	0.96	ug/l	# 18
15) Acrylonitrile	3.16	53	518	0.34	ug/l	# 67
16) Acetone	2.45	43	10045	7.66	ug/l	99
17) Carbon Disulfide	2.56	76	1809	0.29	ug/l	100
18) Methyl Acetate	2.78	43	2071	0.56	ug/l	# 90
20) Methylene Chloride	2.86	84	2150	0.80	ug/l	# 85
25) 2-Butanone	4.71	43	2641	1.27	ug/l	# 89
29) Tetrahydrofuran	5.18	42	685	0.54	ug/l	# 50
36) 1,1-Dichloropropene	5.66	75	12928	3.70	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	17892	5.24	ug/l	# 16
43) Isopropyl Acetate	6.46	43	24636	4.67	ug/l	99
48) Methyl methacrylate	7.69	41	2936	1.12	ug/l	# 20
51) 4-Methyl-2-Pentanone	8.65	43	886	0.24	ug/l	# 74
58) 2-Chloroethyl Vinyl ether	8.32	63	42	7.29	ug/l	# 45
76) 1,2,3-Trichloropropane	11.14	75	65125	22.42	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	65125	71.48	ug/l	# 10
94) Hexachlorobutadiene	13.79	225	413	0.23	ug/l	89

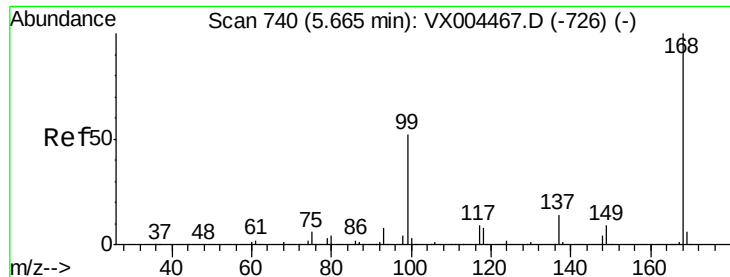
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091718\
Data File : VX004625.D
Acq On : 17 Sep 2018 18:12
Operator : JC/MD
Sample : PB112894TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 18 00:55:01 2018
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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

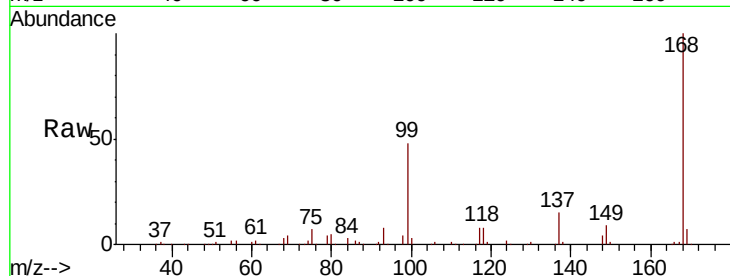
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 208433

Ion Ratio Lower Upper

168 100

99 48.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

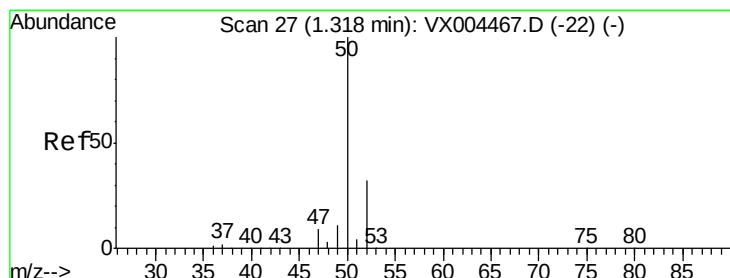
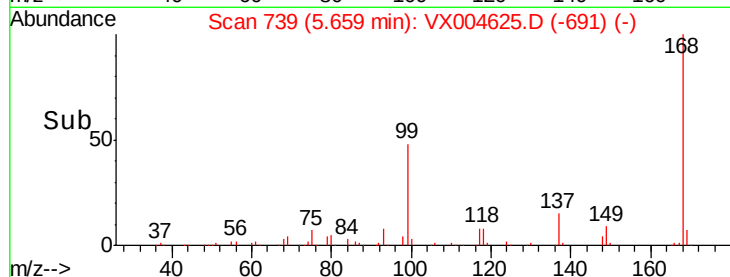
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004625.D

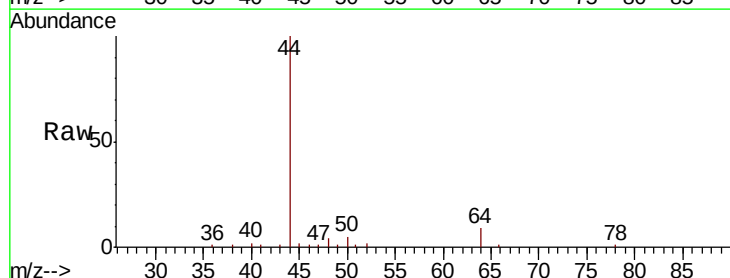
Acq: 17 Sep 2018 18:12

Tgt Ion: 50 Resp: 563

Ion Ratio Lower Upper

50 100

52 45.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

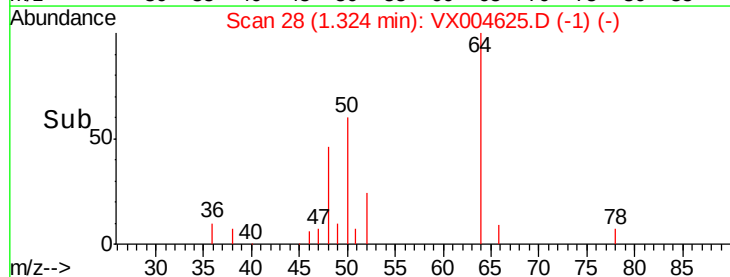
200

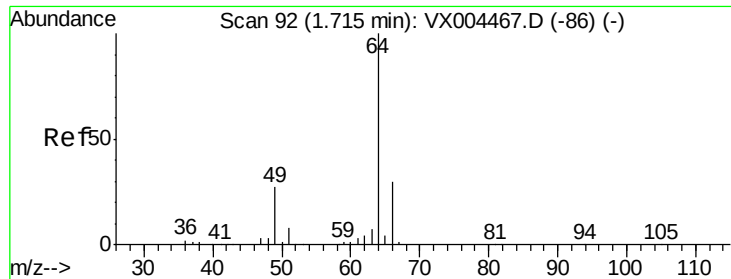
100

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_X

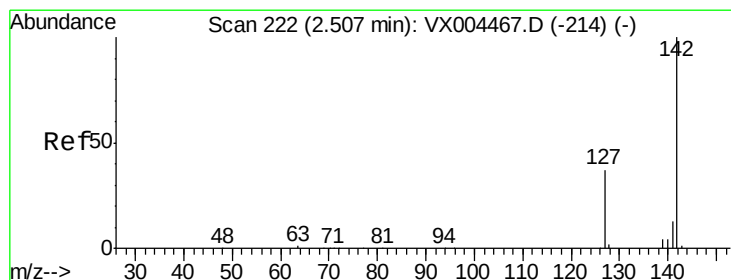
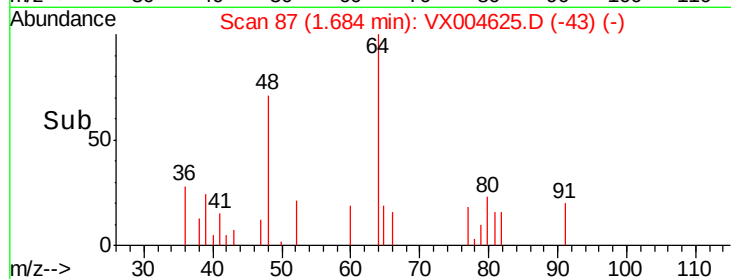
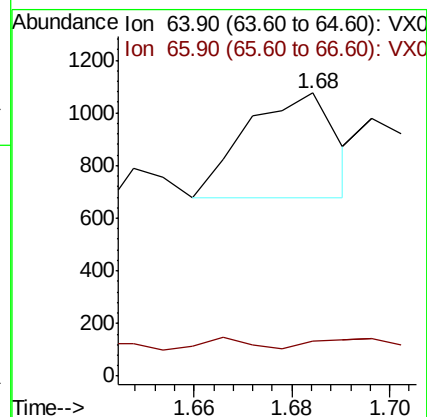
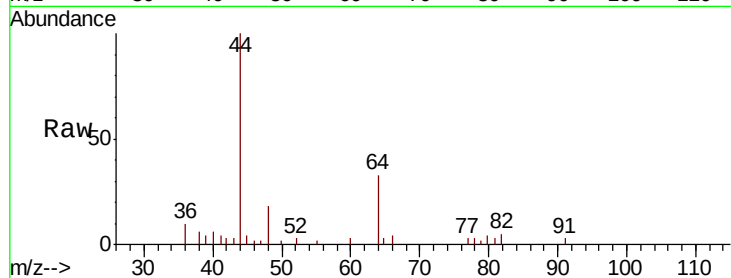
ClientSampleId :

Tot Ion: 64 Resp: 504

Ion Ratio Lower Upper

64 100

66 4.5 24.6 36.8#



#10

Methyl Iodide

Concen: 4.71 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

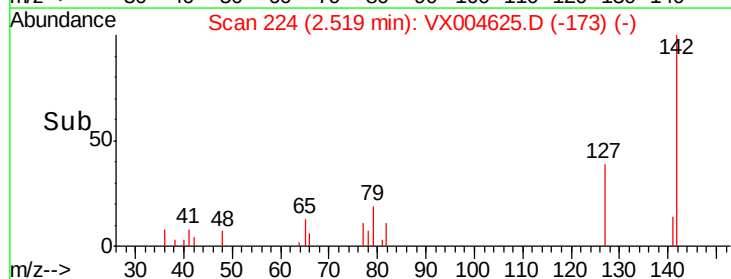
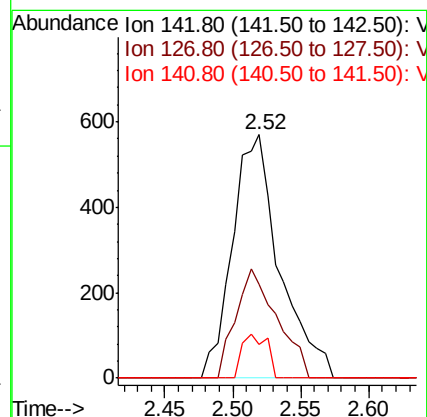
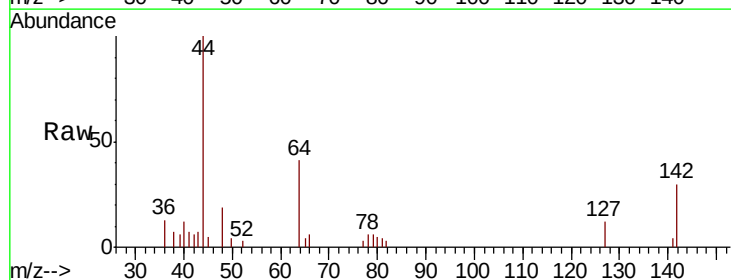
Tgt Ion: 142 Resp: 1375

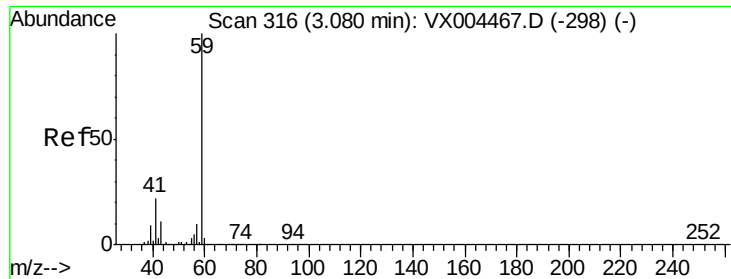
Ion Ratio Lower Upper

142 100

127 39.5 33.8 50.6

141 9.5 11.4 17.0#



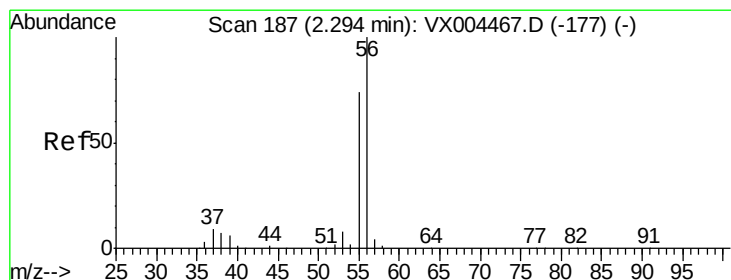
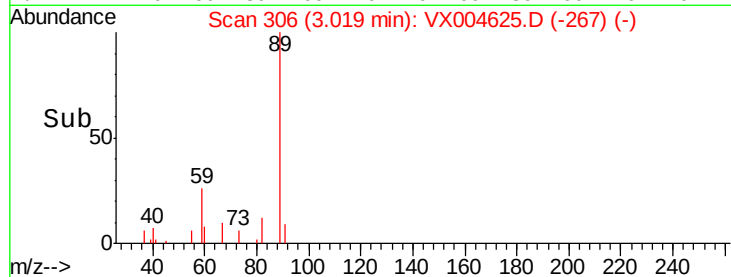
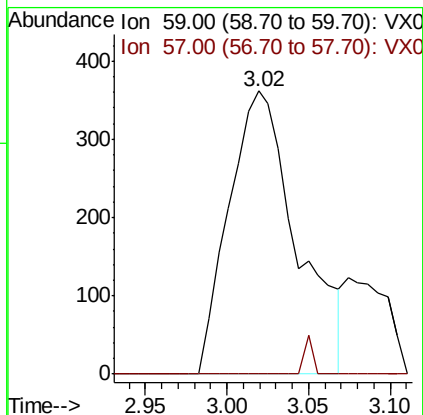
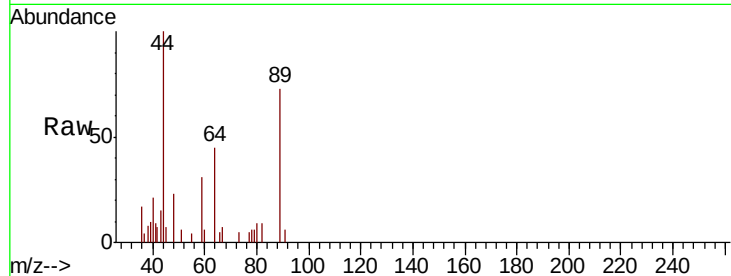


#11

Tert butyl alcohol
 Concen: 1.63 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

Instrument :
 MSVOA_X
 ClientSampleId :

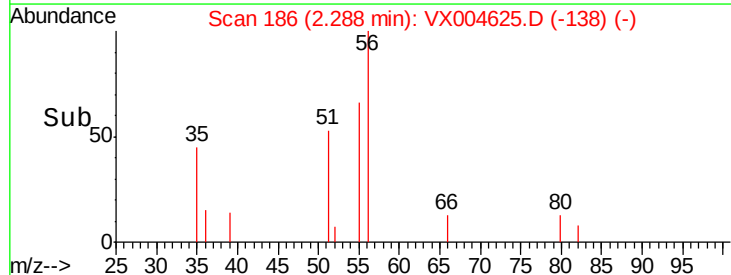
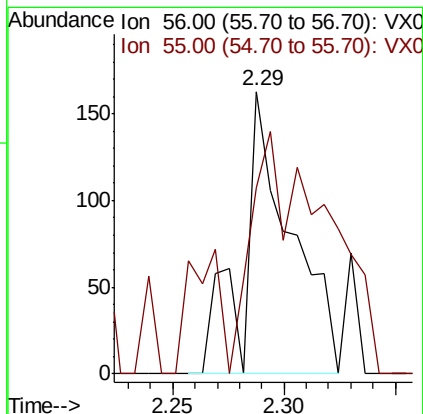
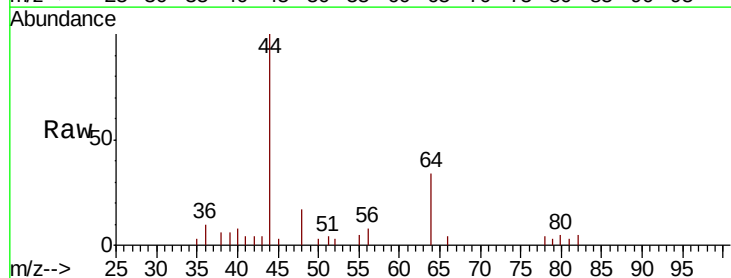
Tot Ion: 59 Resp: 1048
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

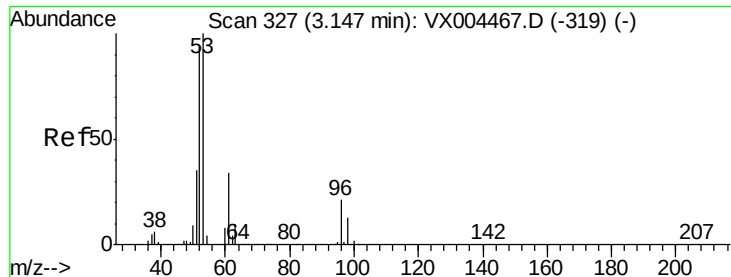


#13

Acrolein
 Concen: 0.96 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

Tgt Ion: 56 Resp: 243
 Ion Ratio Lower Upper
 56 100
 55 135.0 54.7 82.1#





#15

Acrylonitrile

Concen: 0.34 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_X

ClientSampled :

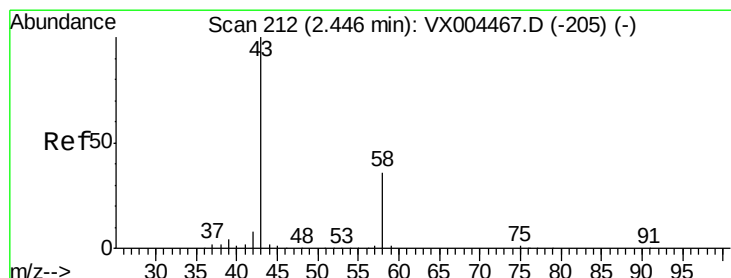
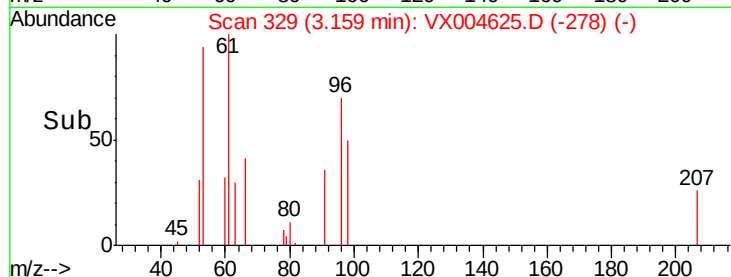
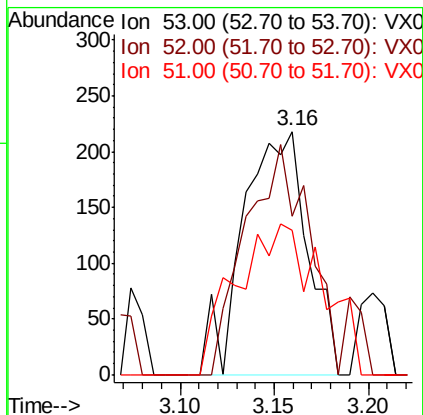
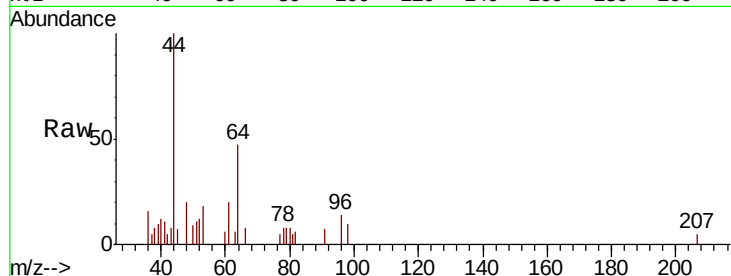
Tot Ion: 53 Resp: 518

Ion Ratio Lower Upper

53 100

52 92.3 65.2 97.8

51 83.0 28.2 42.2#



#16

Acetone

Concen: 7.66 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004625.D

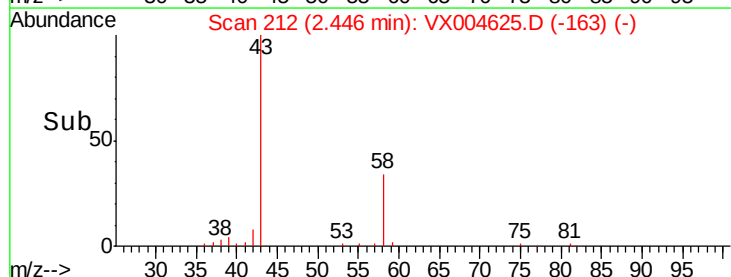
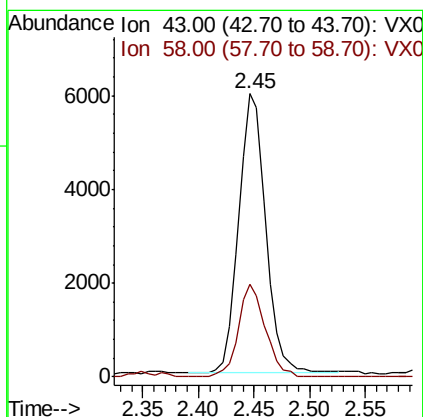
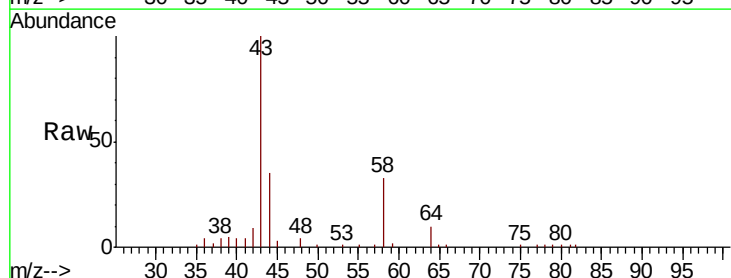
Acq: 17 Sep 2018 18:12

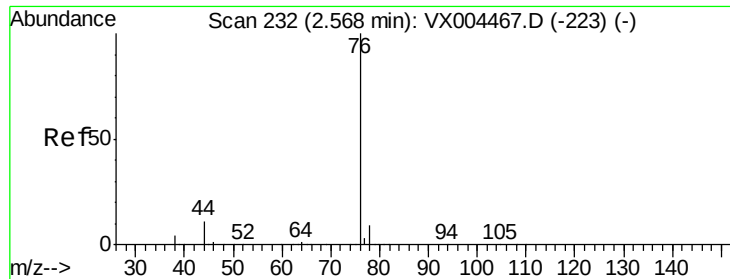
Tgt Ion: 43 Resp: 10045

Ion Ratio Lower Upper

43 100

58 33.3 26.2 39.4

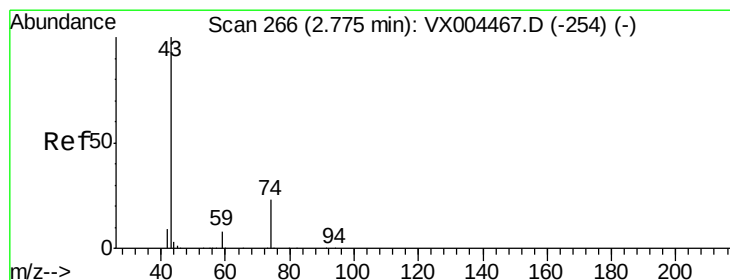
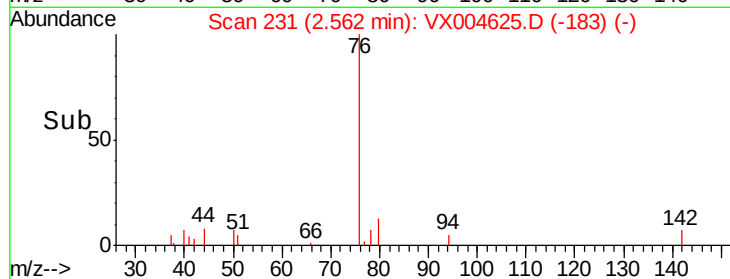
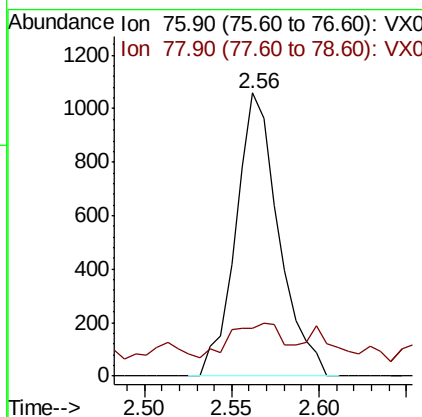
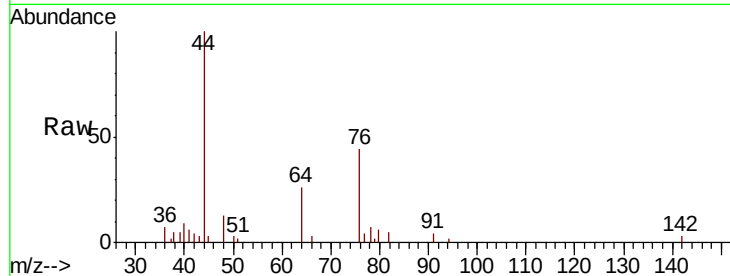




#17
Carbon Disulfide
Concen: 0.29 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

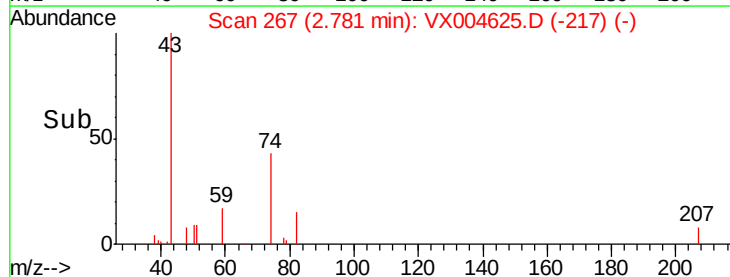
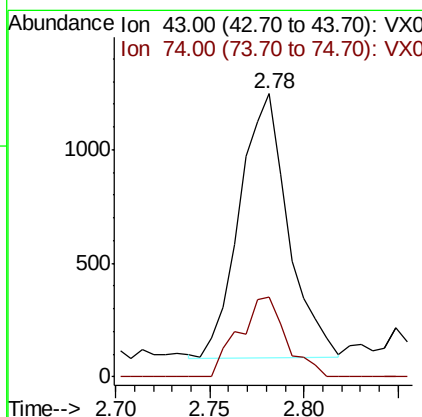
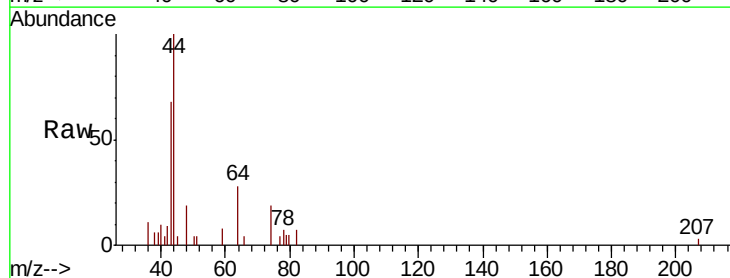
Instrument :
MSVOA_X
ClientSampled :

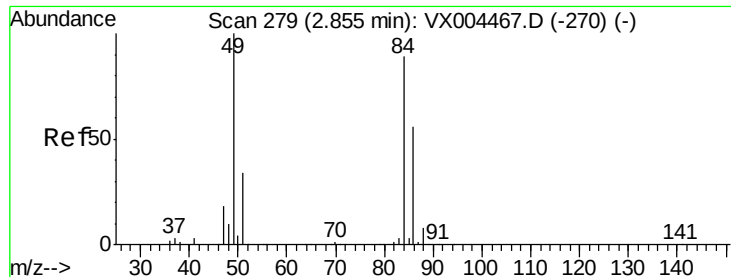
Tot Ion: 76 Resp: 1809
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 0.56 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
74 29.5 19.4 29.2#

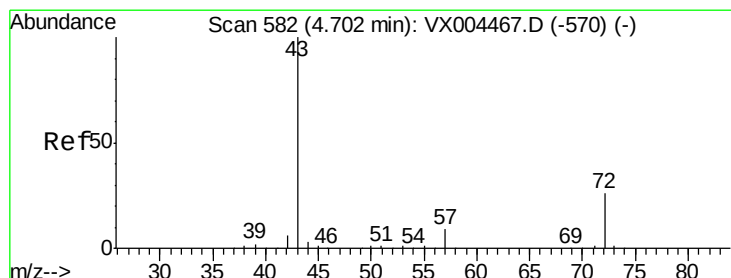
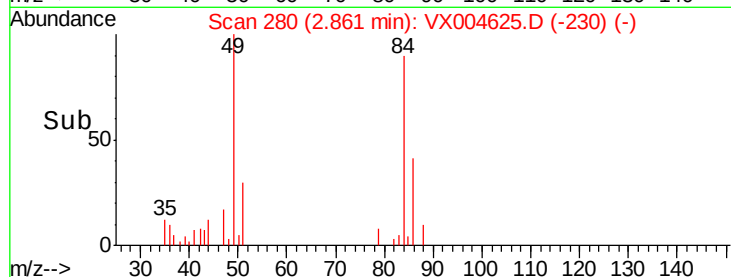
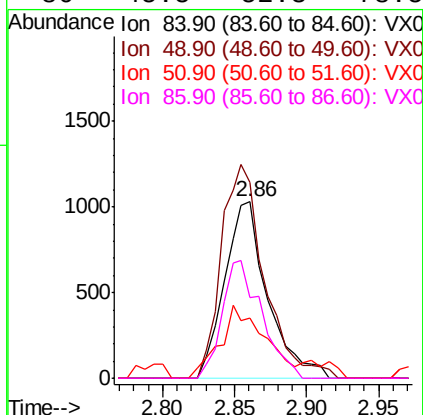
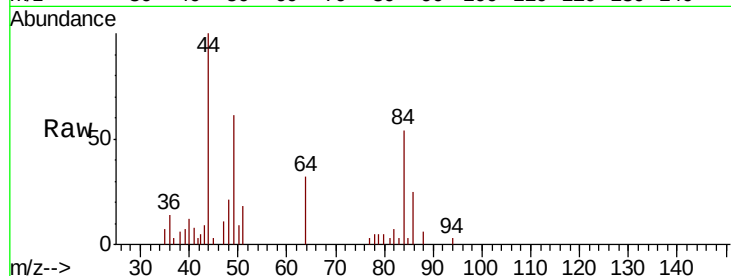




#20
Methylene Chloride
Concen: 0.80 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

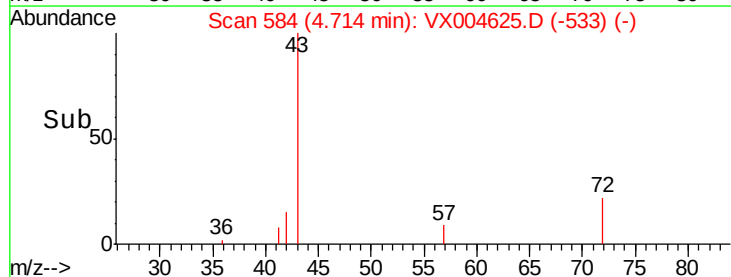
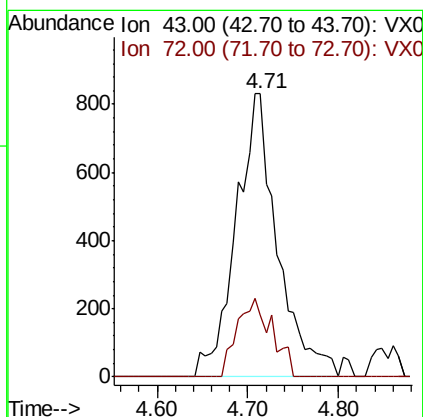
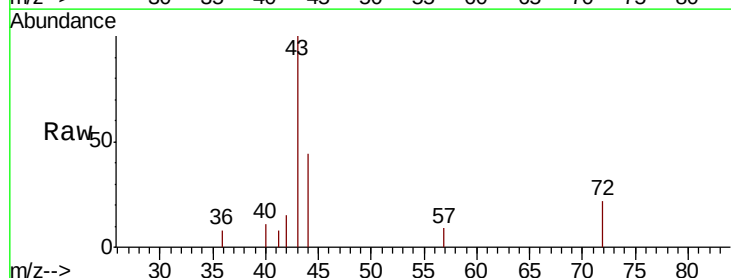
Instrument :
MSVOA_X
ClientSampleId :

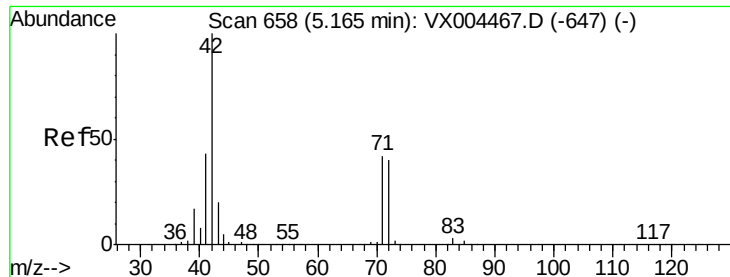
Tot Ion: 84 Resp: 2150
Ion Ratio Lower Upper
84 100
49 111.3 101.2 151.8
51 33.9 29.5 44.3
86 45.5 52.3 78.5#



#25
2-Butanone
Concen: 1.27 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

Tgt Ion: 43 Resp: 2641
Ion Ratio Lower Upper
43 100
72 21.9 22.0 33.0#

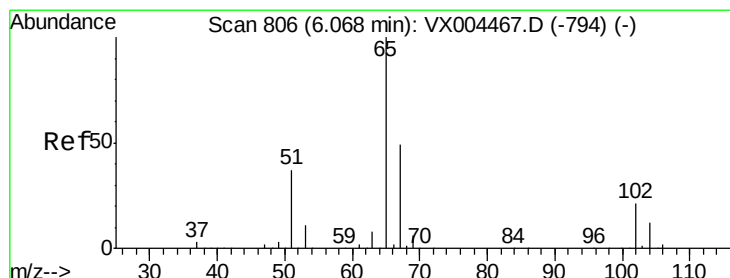
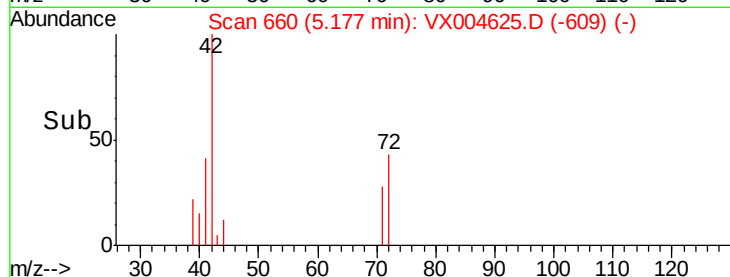
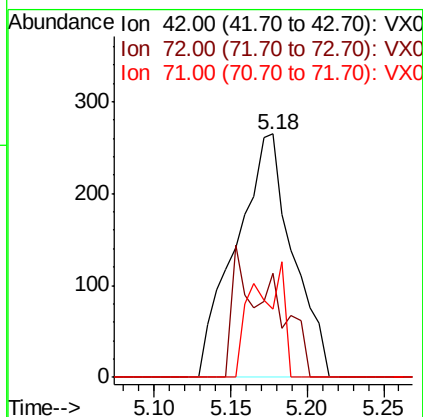
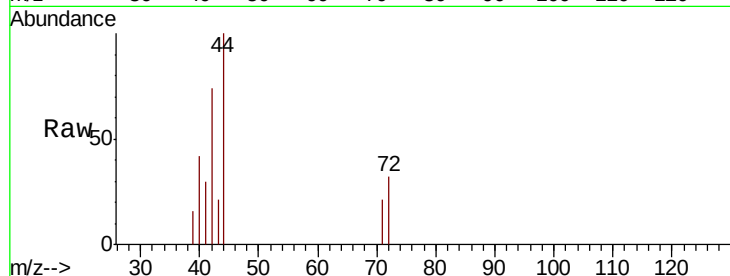




#29
Tetrahydrofuran
Concen: 0.54 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

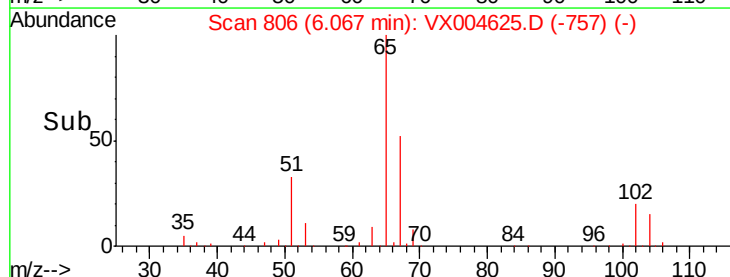
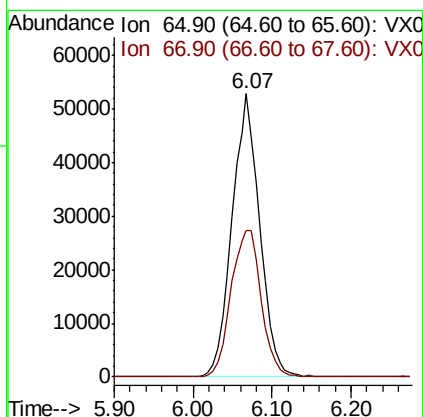
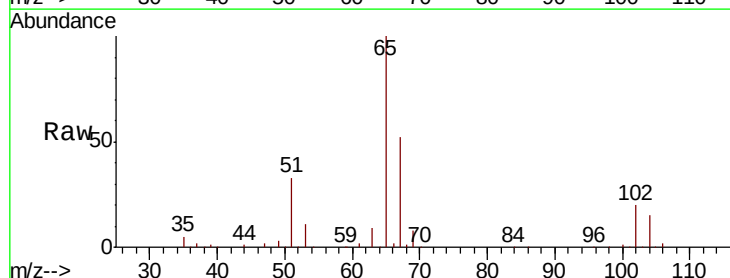
Instrument :
MSVOA_X
ClientSampled :

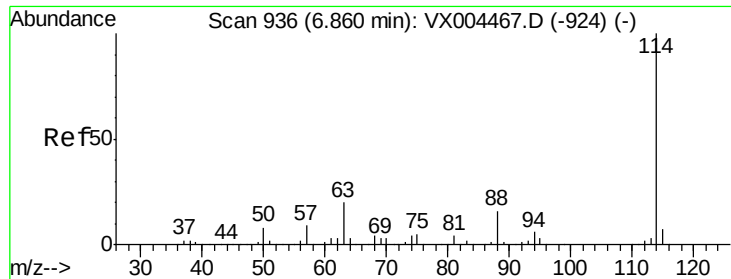
Tot Ion: 42 Resp: 685
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 24.8 34.5 51.7#



#33
1,2-Dichloroethane-d4
Concen: 47.84 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

Tgt Ion: 65 Resp: 128562
Ion Ratio Lower Upper
65 100
67 56.4 0.0 106.8

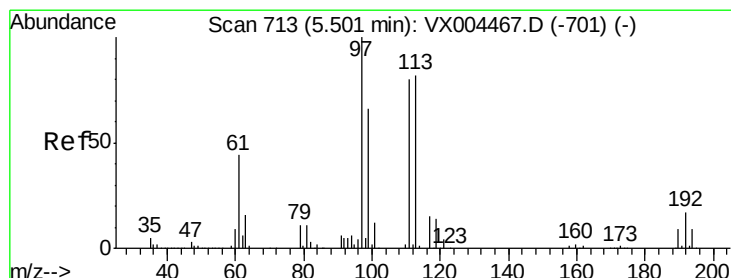
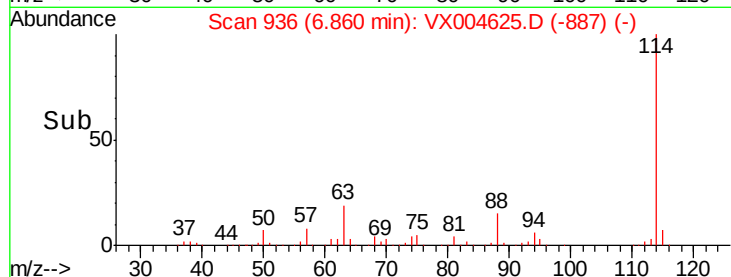
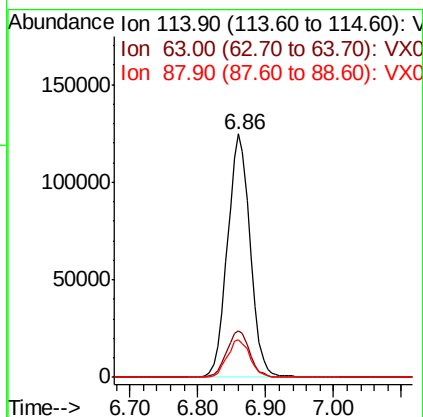
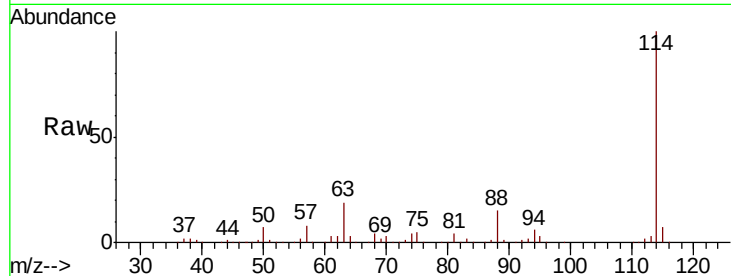




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

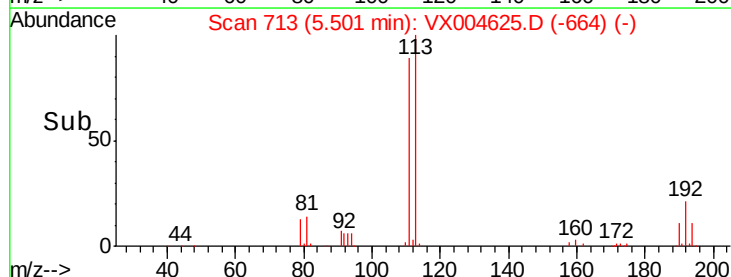
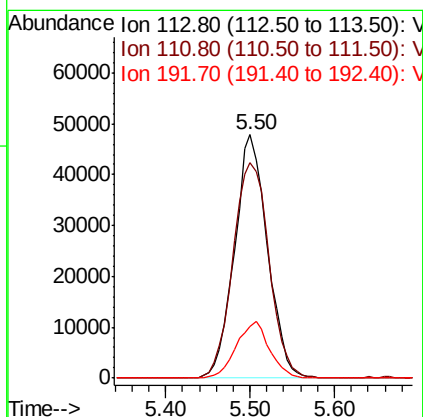
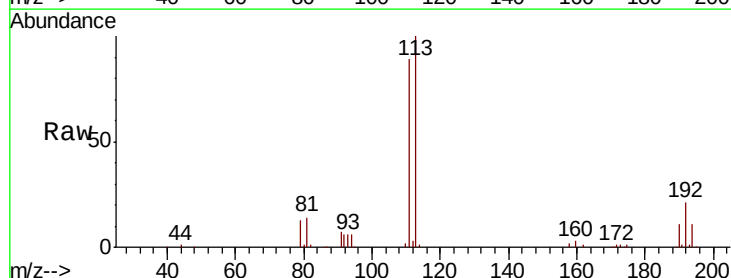
Instrument :
 MSVOA_X
 ClientSampleId :

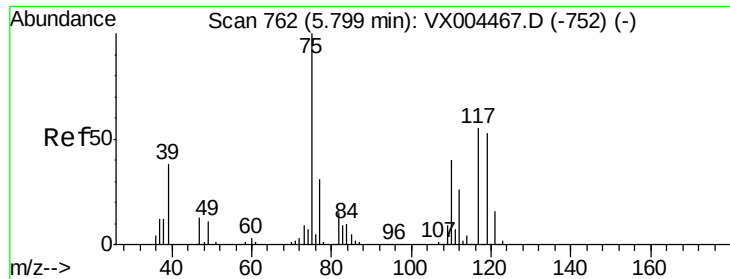
Tot Ion:114 Resp: 287904
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.2 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 47.99 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

Tgt Ion:113 Resp: 126423
 Ion Ratio Lower Upper
 113 100
 111 97.6 82.4 123.6
 192 23.3 19.4 29.2

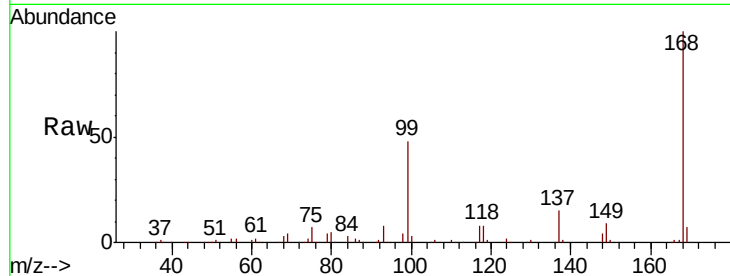




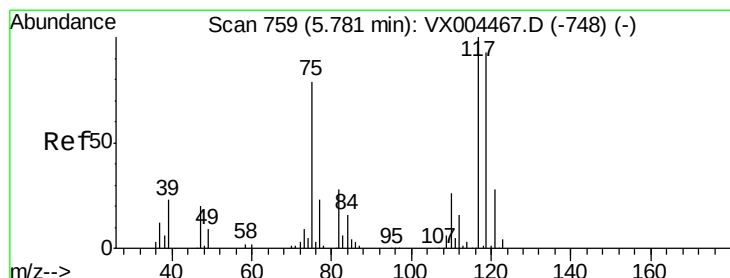
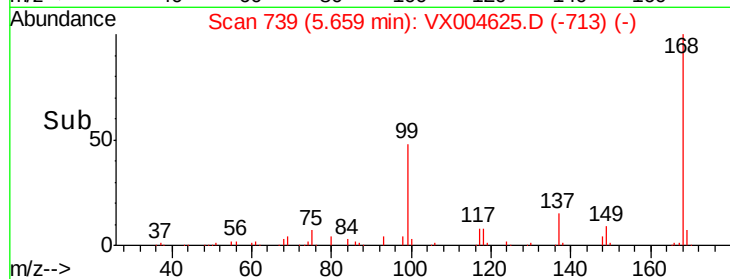
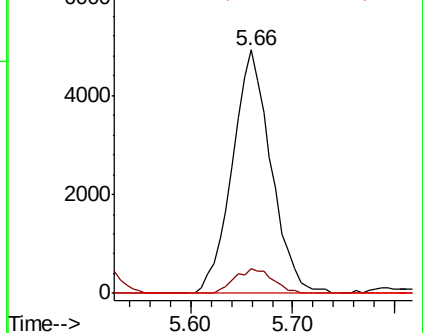
#36
 1,1-Dichloropropene
 Concen: 3.70 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.0	54.0#
77	0.0	24.6	36.8#

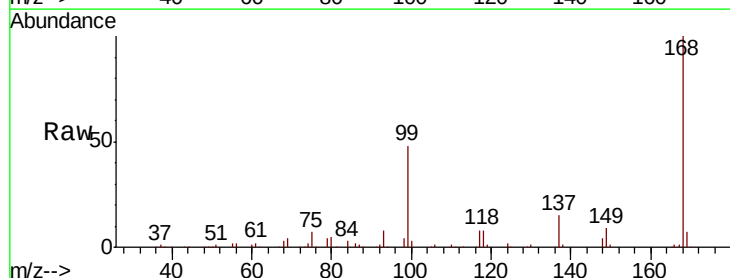


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

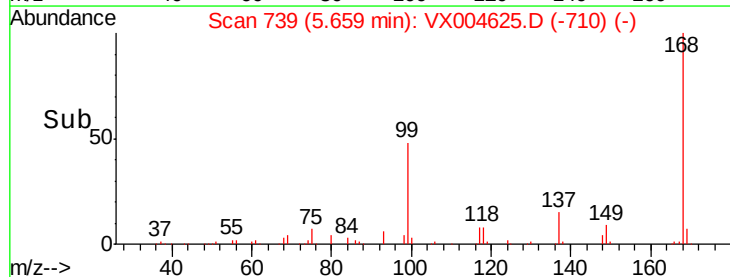
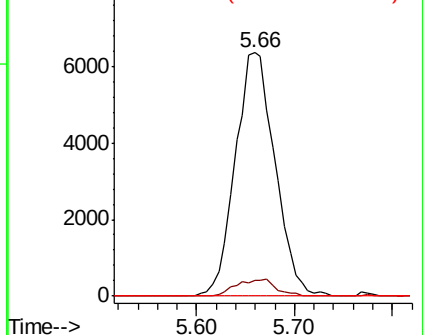


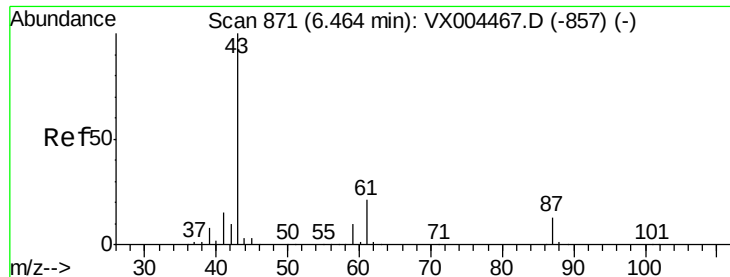
#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	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





#43

Isopropyl Acetate

Concen: 4.67 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_X

ClientSampleId :

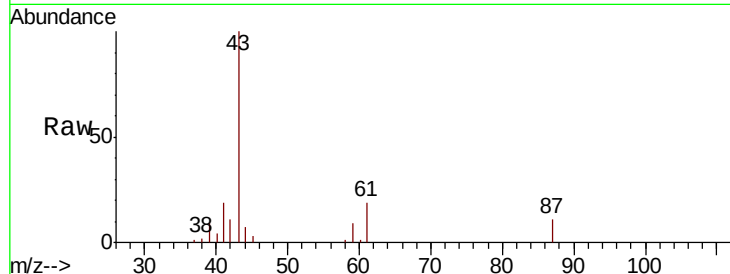
Tot Ion: 43 Resp: 24636

Ion Ratio Lower Upper

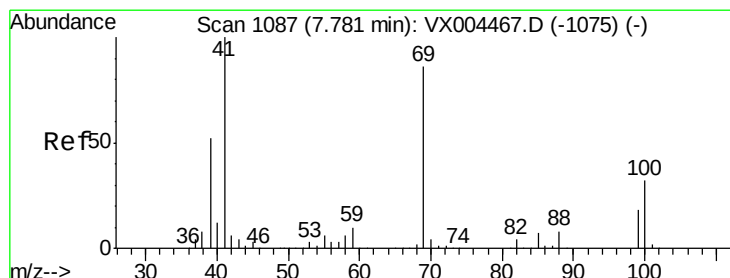
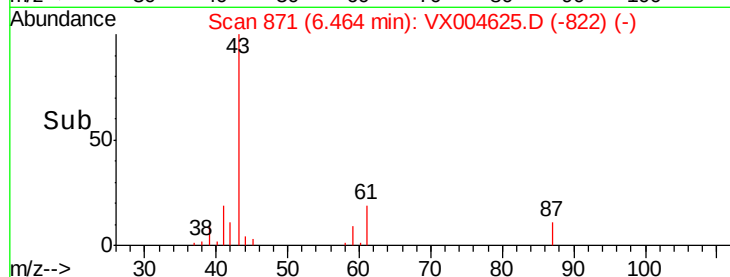
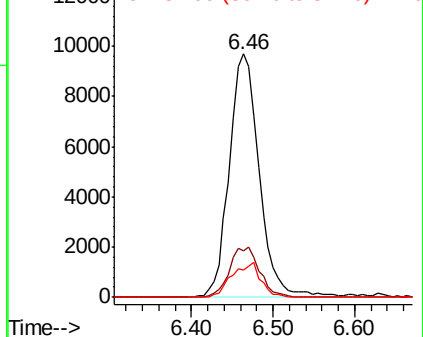
43 100

61 20.7 17.0 25.4

87 13.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.12 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

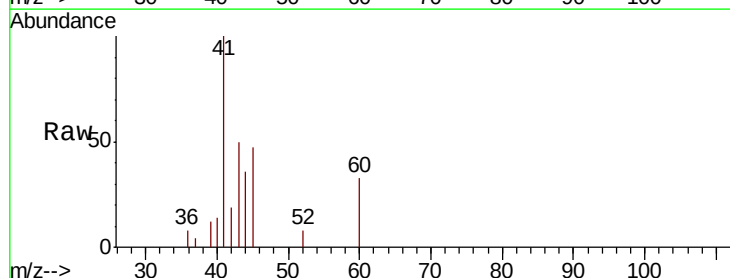
Tgt Ion: 41 Resp: 2936

Ion Ratio Lower Upper

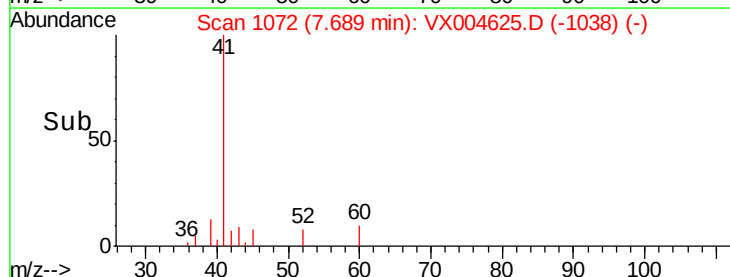
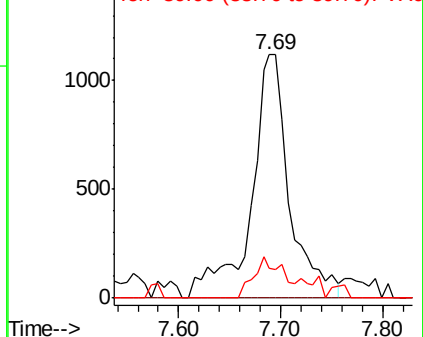
41 100

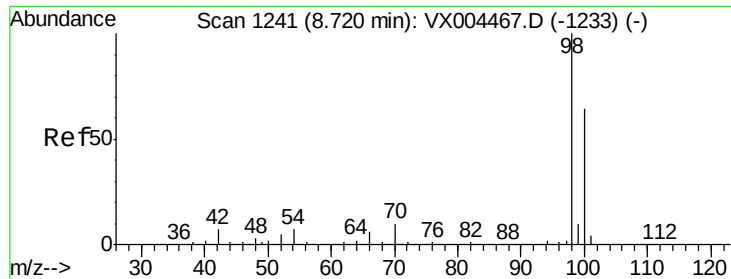
69 0.0 70.2 105.4#

39 12.8 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

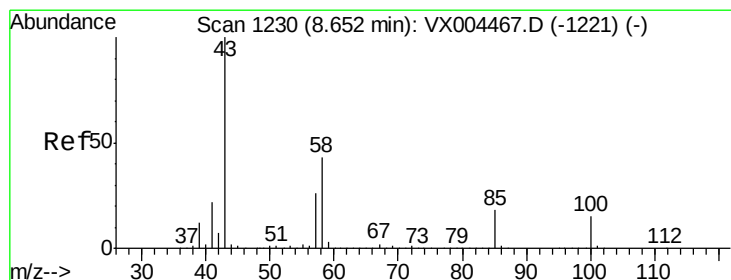
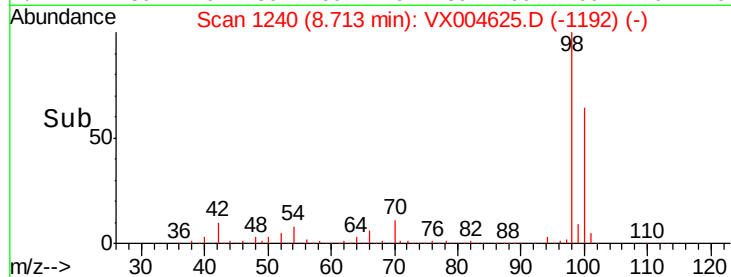
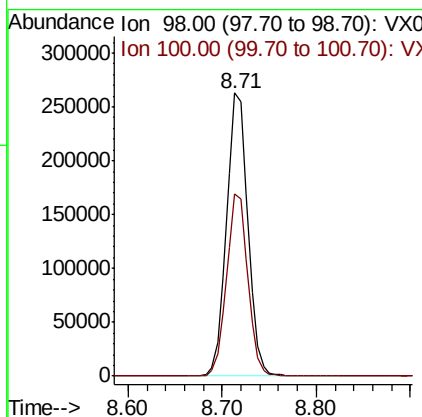
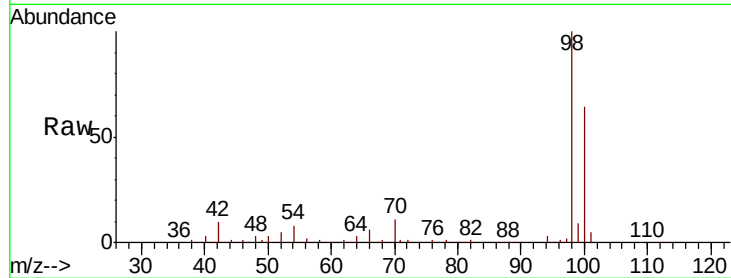




#50
Toluene-d8
Concen: 46.97 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

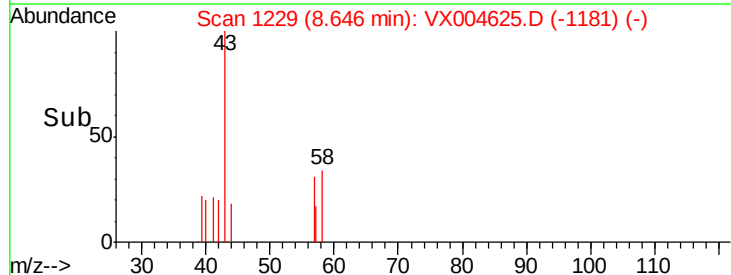
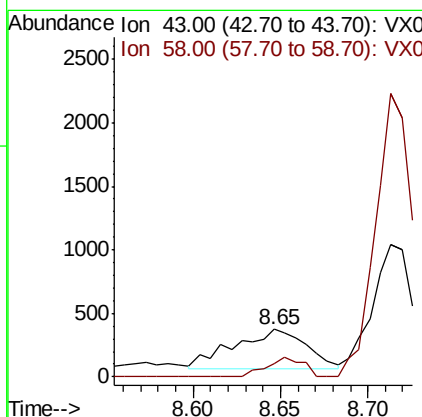
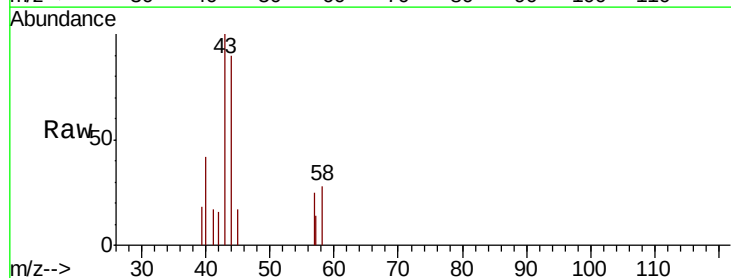
Instrument :
MSVOA_X
ClientSampleId :

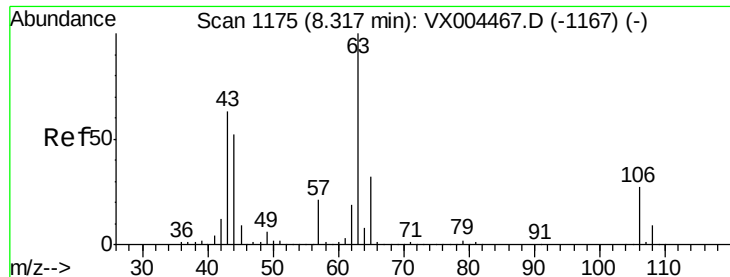
Tot Ion: 98 Resp: 414987
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 24.9 33.1 49.7#

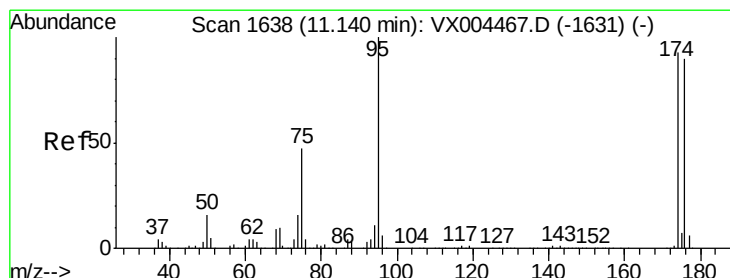
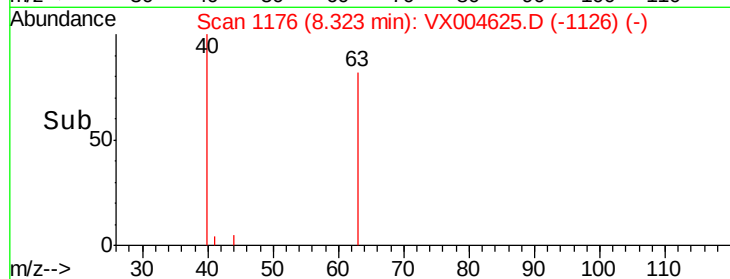
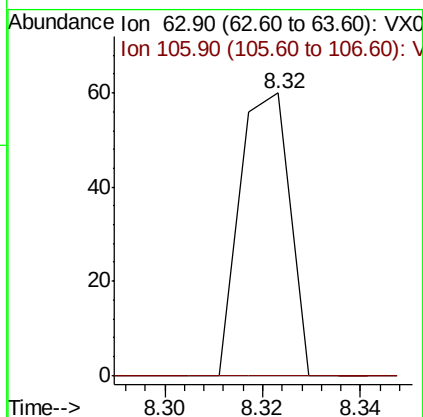
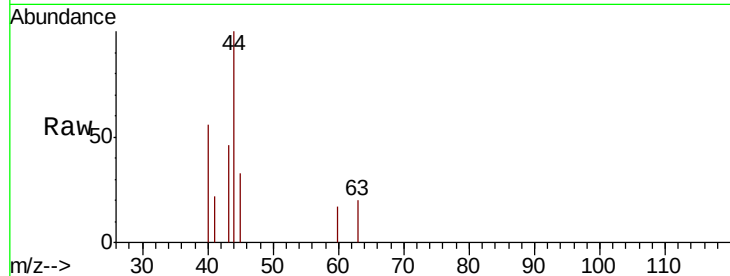




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.29 ug/l
 RT: 8.32 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

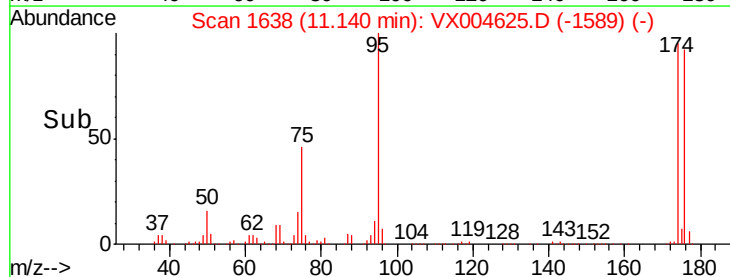
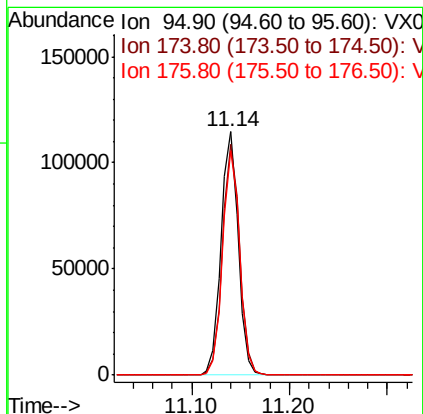
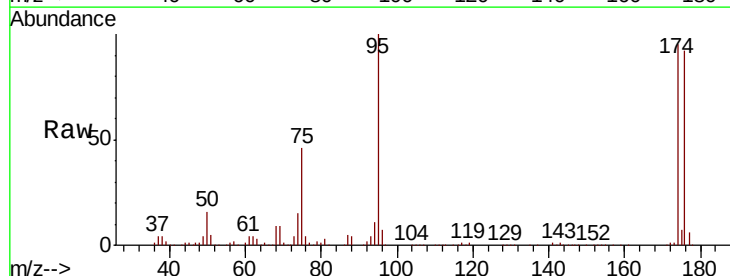
Instrument :
 MSVOA_X
 ClientSampleId :

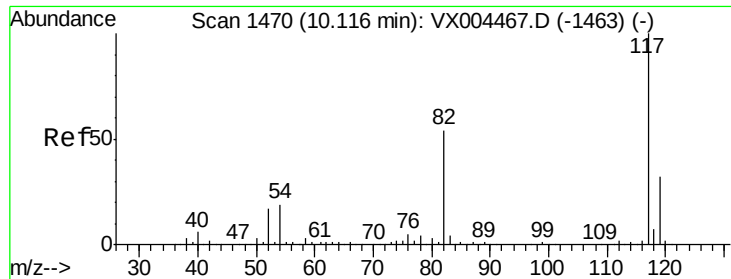
Tot Ion: 63 Resp: 42
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 44.38 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004625.D
 Acq: 17 Sep 2018 18:12

Tgt Ion: 95 Resp: 139973
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 185.2
 176 91.7 0.0 178.6

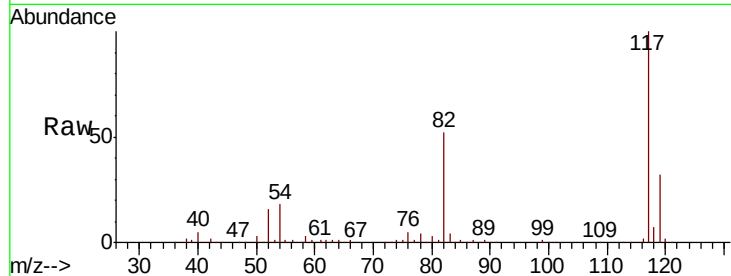




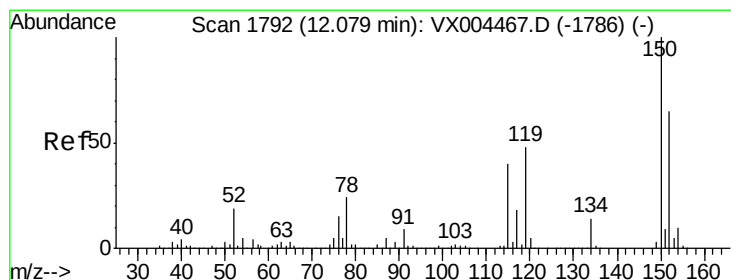
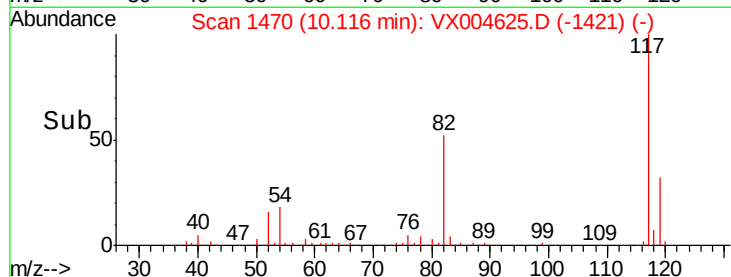
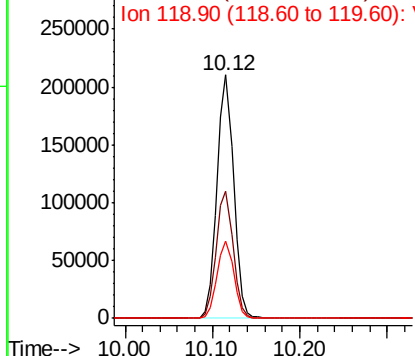
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 276069
Ion Ratio Lower Upper
117 100
82 52.3 47.8 71.6
119 31.6 29.3 43.9

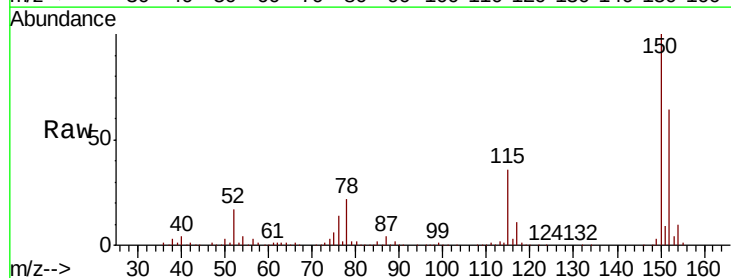


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

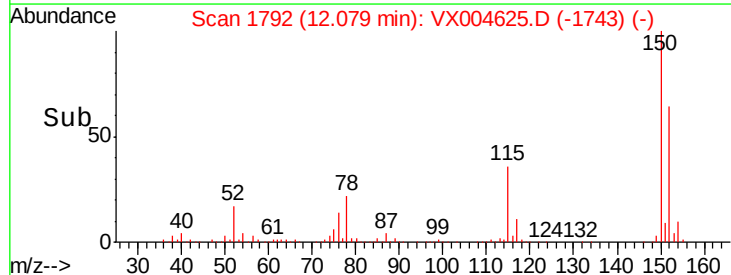
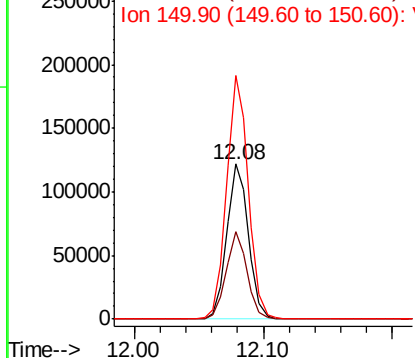


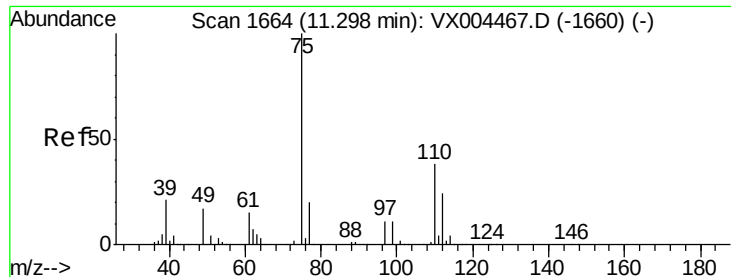
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004625.D
Acq: 17 Sep 2018 18:12

Tgt Ion:152 Resp: 144354
Ion Ratio Lower Upper
152 100
115 54.5 39.0 117.0
150 157.1 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: 22.42 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_X

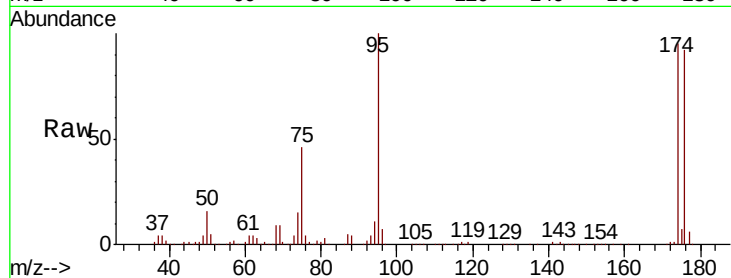
ClientSampleId :

Tot Ion: 75 Resp: 65125

Ion Ratio Lower Upper

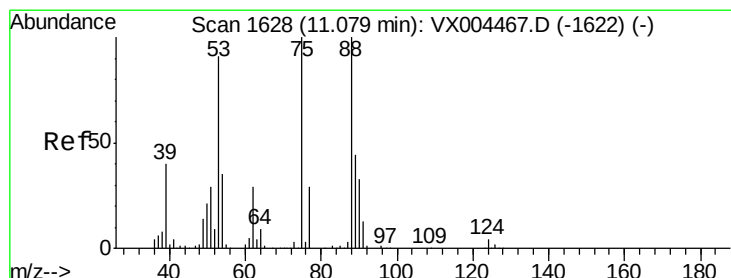
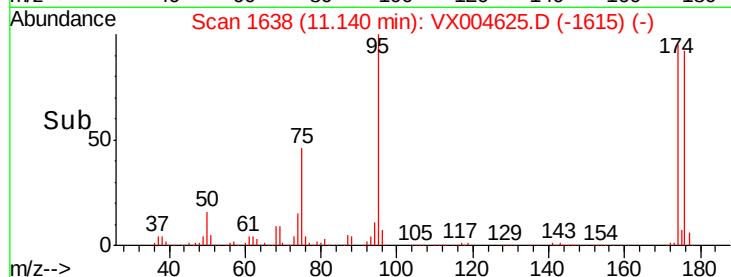
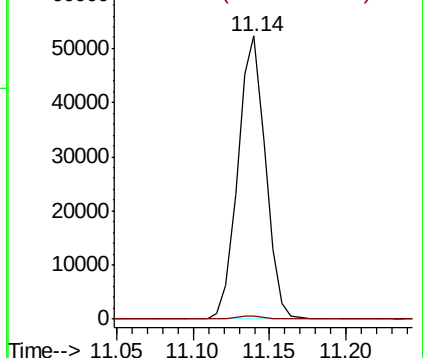
75 100

77 1.2 20.2 60.6#



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: 71.48 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

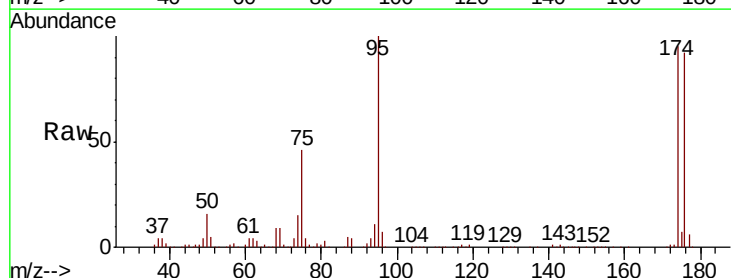
Tgt Ion: 75 Resp: 65125

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

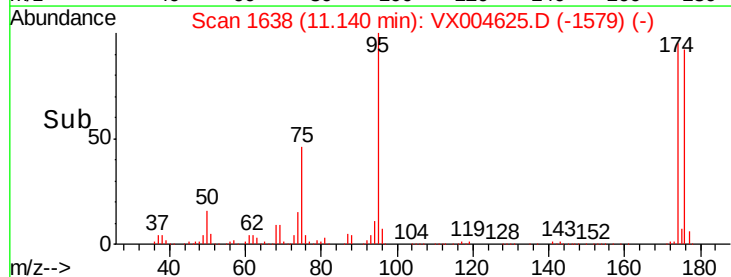
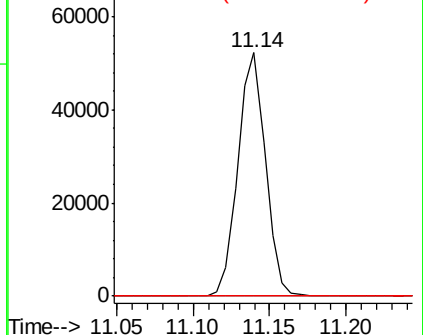
89 0.0 37.2 55.8#

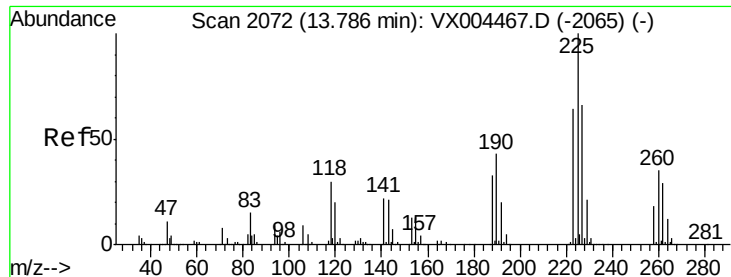


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.23 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX004625.D

Acq: 17 Sep 2018 18:12

Instrument :

MSVOA_X

ClientSampleId :

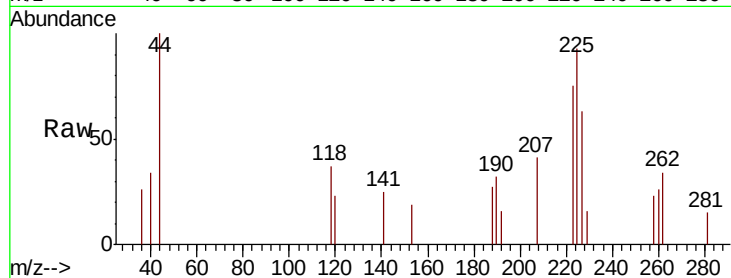
Tot Ion: 225 Resp: 413

Ion Ratio Lower Upper

225 100

223 74.3 30.1 90.5

227 63.7 30.8 92.4



Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

