

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004532.D
 Acq On : 14 Sep 2018 11:38
 Operator : JC/MD
 Sample : VX0914WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBL01

Quant Time: Sep 15 04:37:51 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	244279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176152	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	169327	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
35) Dibromofluoromethane	5.49	113	149023	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	8.72	98	475033	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
62) 4-Bromofluorobenzene	11.14	95	166910	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	

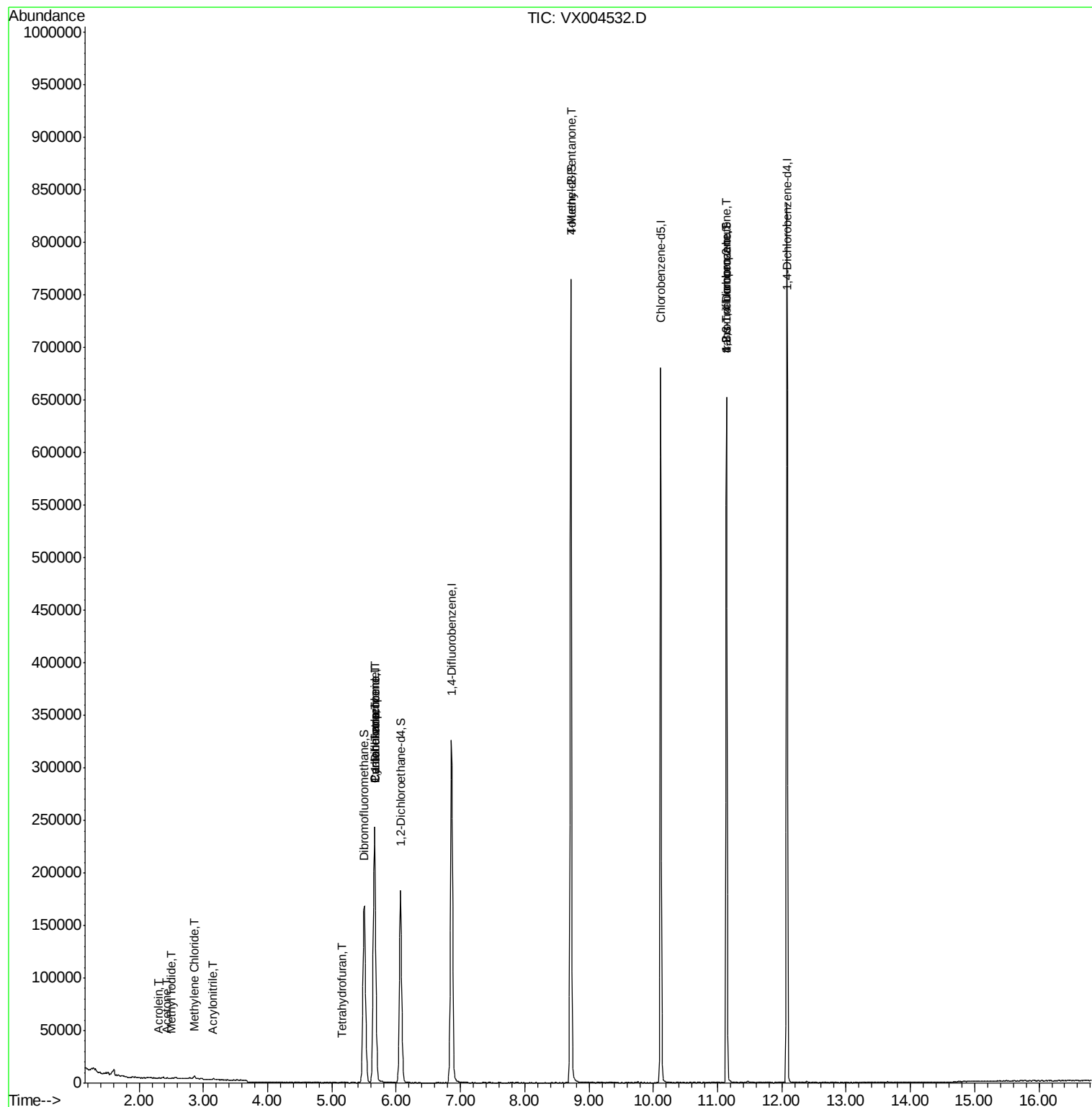
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	681	Below Cal	#	63
10) Methyl Iodide	2.50	142	389	4.37	ug/l #	71
13) Acrolein	2.29	56	138	0.47	ug/l #	63
15) Acrylonitrile	3.14	53	402	0.22	ug/l #	85
16) Acetone	2.44	43	504	0.33	ug/l #	81
20) Methylene Chloride	2.86	84	1017	0.32	ug/l #	89
29) Tetrahydrofuran	5.15	42	592	0.40	ug/l #	47
31) Cyclohexane	5.66	56	4149	0.91	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15939	3.93	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20711	5.22	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	2024	0.47	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	77677	21.92	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	77677	69.86	ug/l #	10

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

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Data File : VX004532.D
Acq On : 14 Sep 2018 11:38
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Sample : VX0914WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBL01

Quant Time: Sep 15 04:37:51 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004532.D

Acq: 14 Sep 2018 11:38

Instrument :

MSVOA_X

ClientSampled :

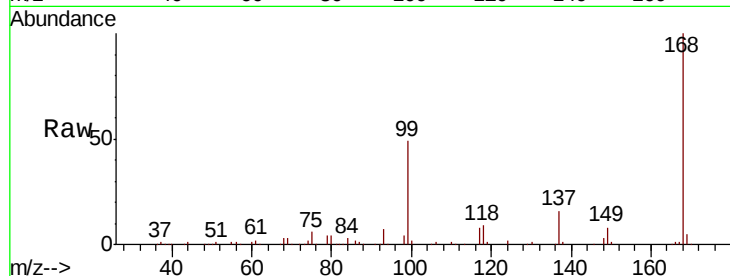
VX0914WBL01

Tot Ion:168 Resp: 244279

Ion Ratio Lower Upper

168 100

99 49.5 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

100000

80000

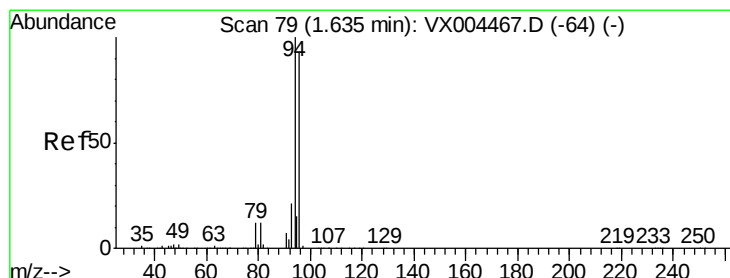
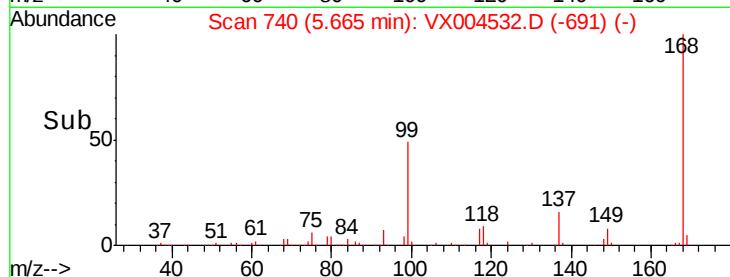
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004532.D

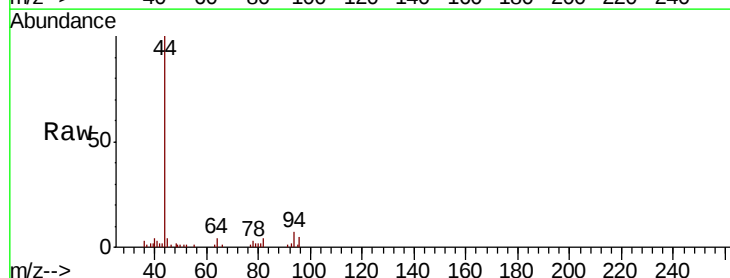
Acq: 14 Sep 2018 11:38

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

94 100

96 57.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

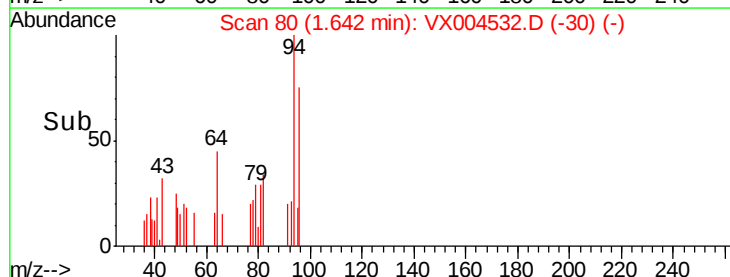
300

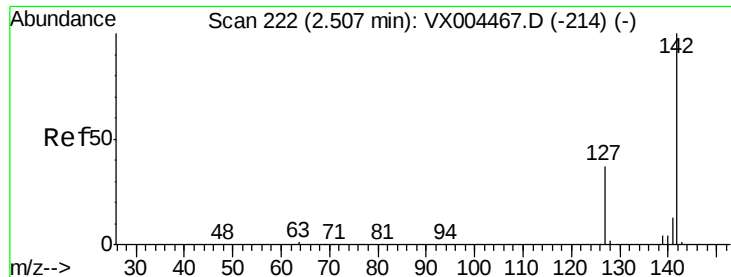
200

100

0

Time--> 1.60 1.65 1.70

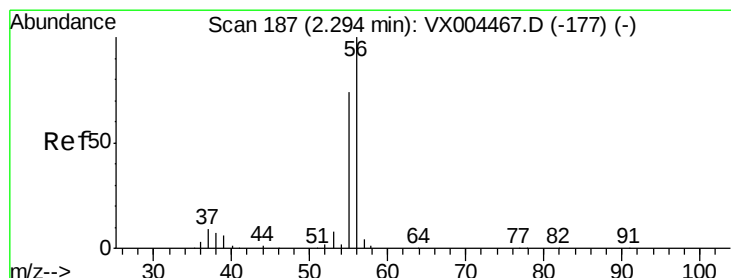
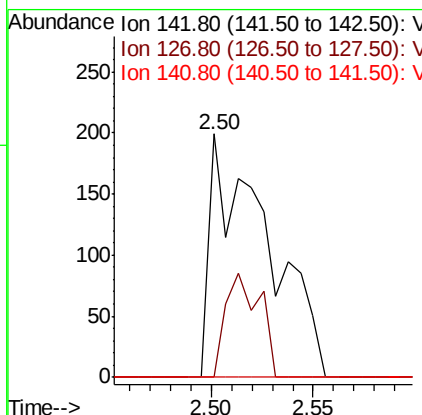
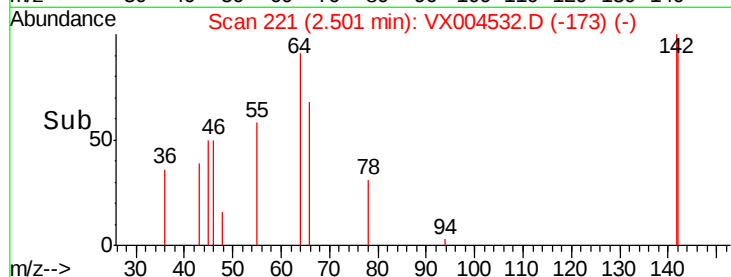
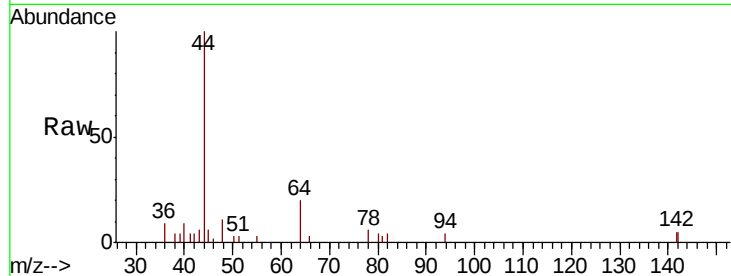




#10
Methvl Iodide
Concen: 4.37 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

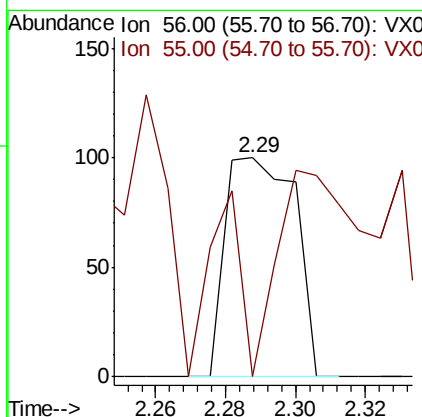
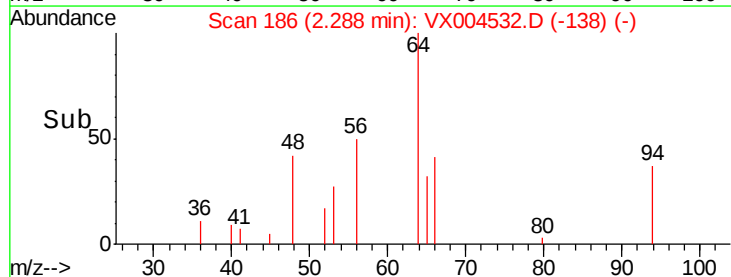
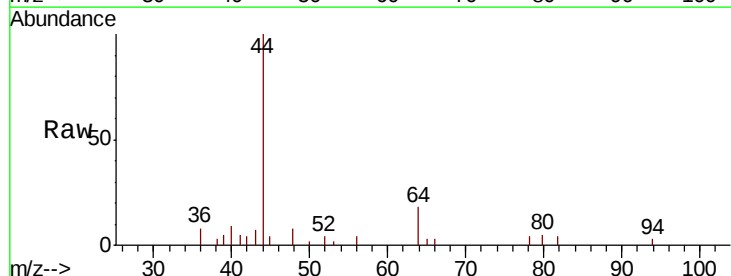
Instrument :
MSVOA_X
ClientSampled :
VX0914WBL01

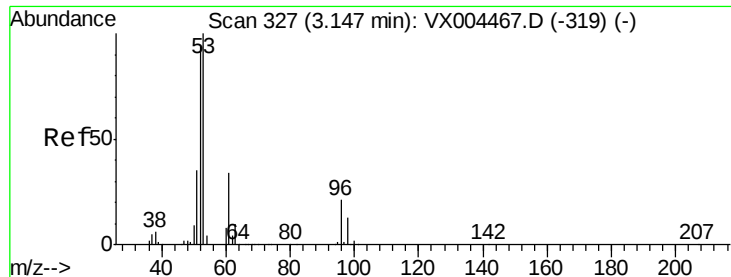
Tot Ion:142 Resp: 389
Ion Ratio Lower Upper
142 100
127 25.4 33.8 50.6#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.47 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 38.4 54.7 82.1#





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004532.D

Acq: 14 Sep 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBL01

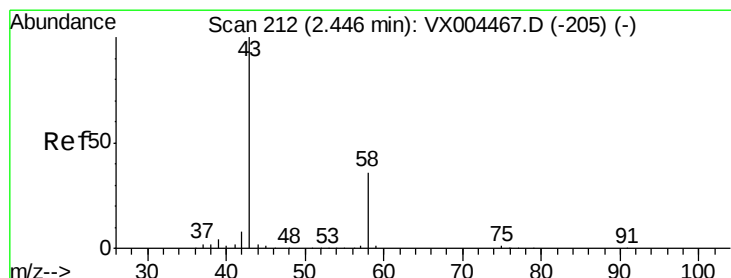
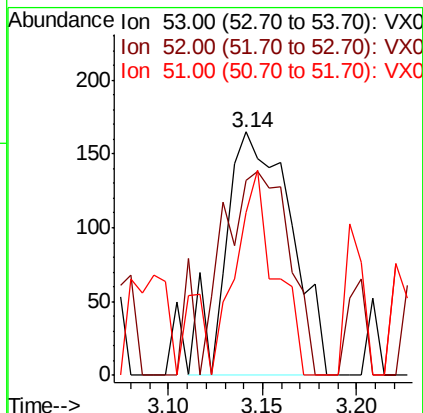
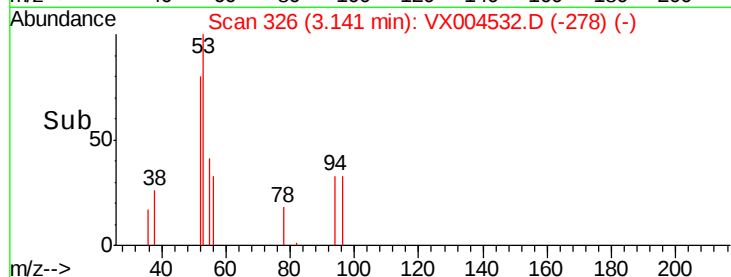
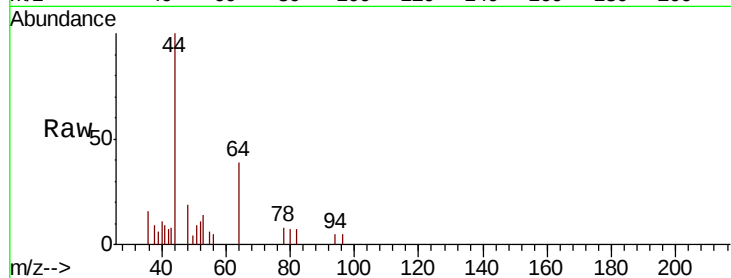
Tot Ion: 53 Resp: 402

Ion Ratio Lower Upper

53 100

52 90.0 65.2 97.8

51 50.5 28.2 42.2#



#16

Acetone

Concen: 0.33 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004532.D

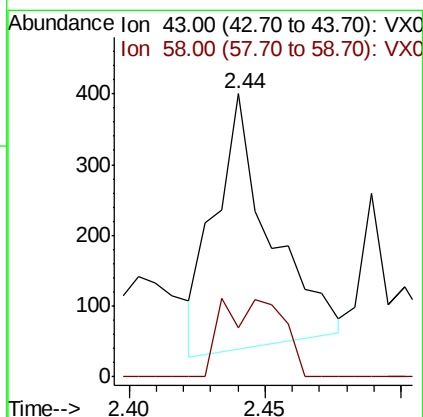
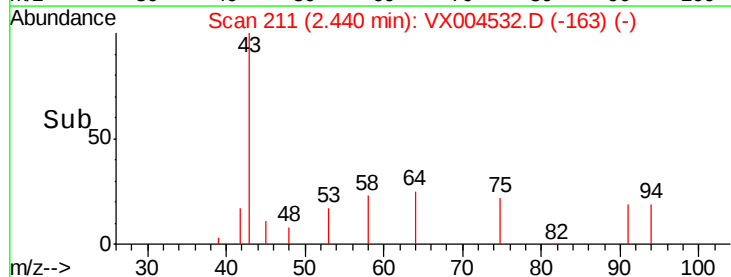
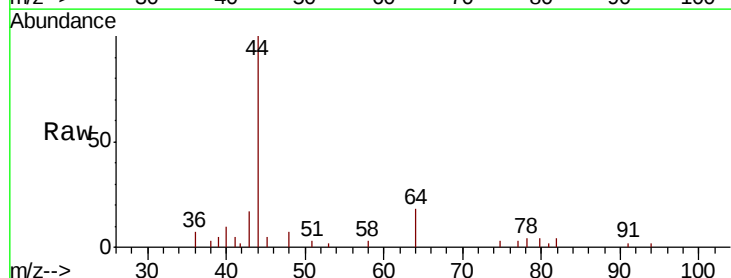
Acq: 14 Sep 2018 11:38

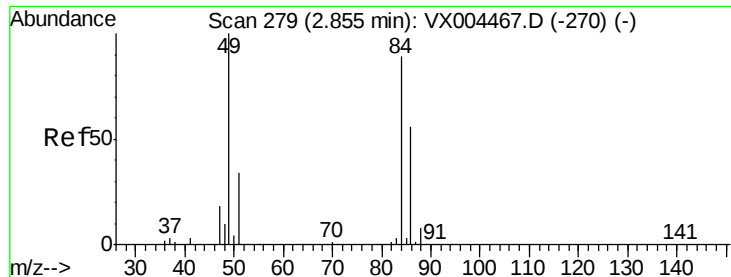
Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

58 22.0 26.2 39.4#

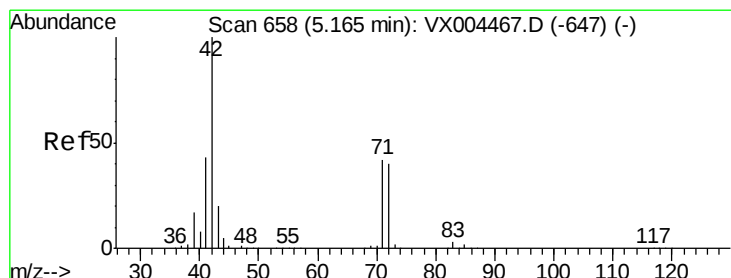
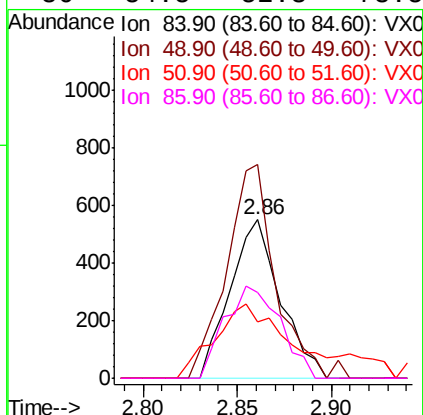
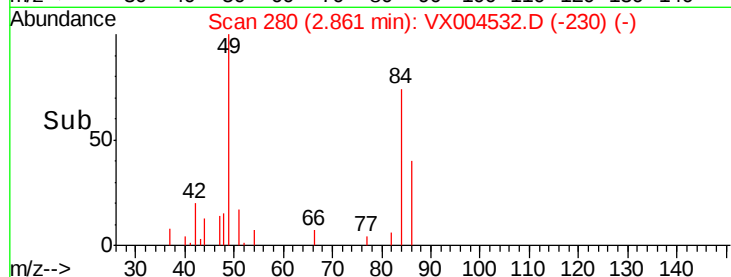
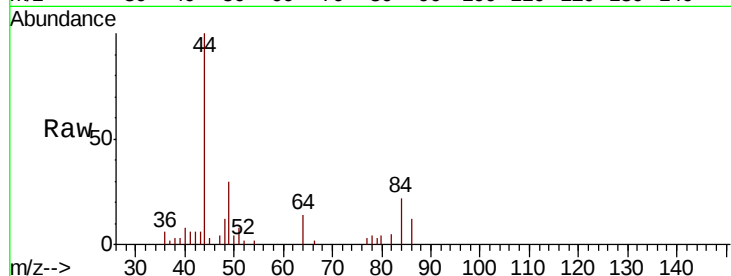




#20
Methvlene Chloride
Concen: 0.32 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

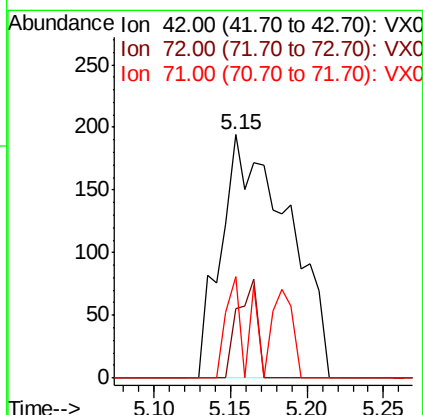
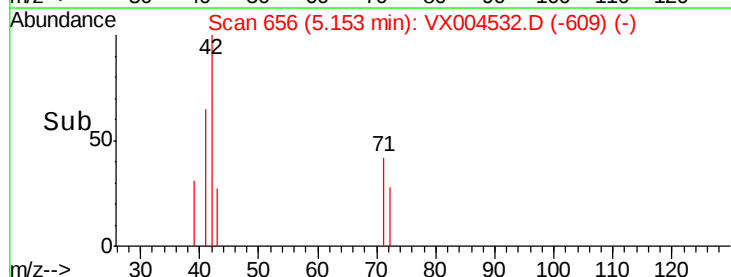
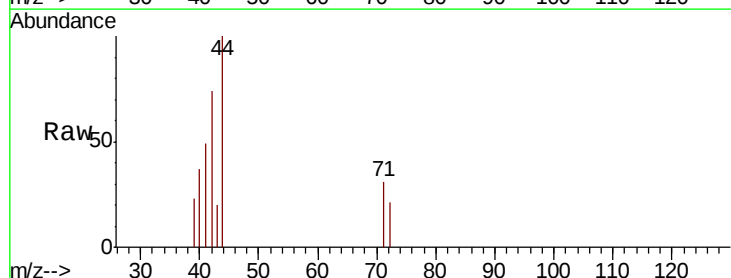
Instrument :
MSVOA_X
ClientSampleId :
VX0914WBL01

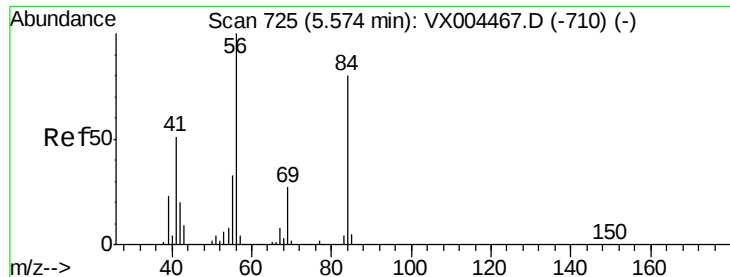
Tot Ion: 84 Resp: 1017
Ion Ratio Lower Upper
84 100
49 134.7 101.2 151.8
51 25.6 29.5 44.3#
86 54.5 52.3 78.5



#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

Tgt Ion: 42 Resp: 592
Ion Ratio Lower Upper
42 100
72 11.8 37.4 56.0#
71 8.3 34.5 51.7#

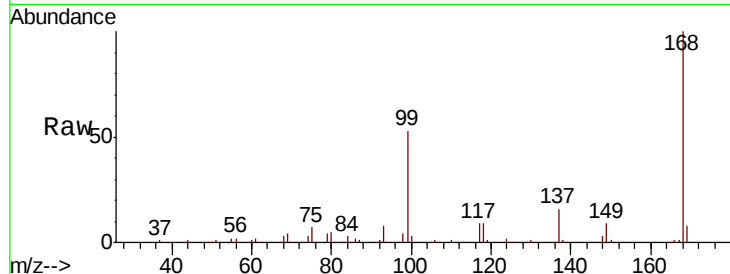




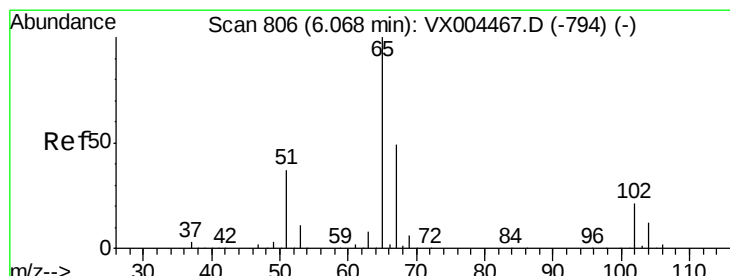
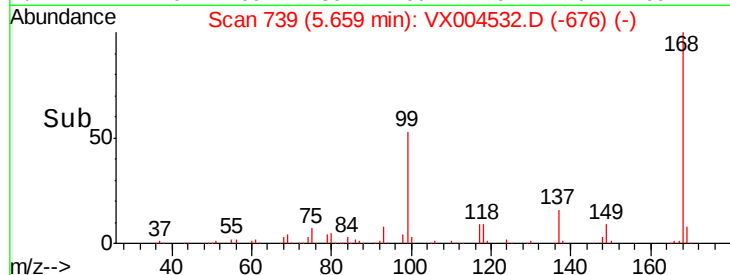
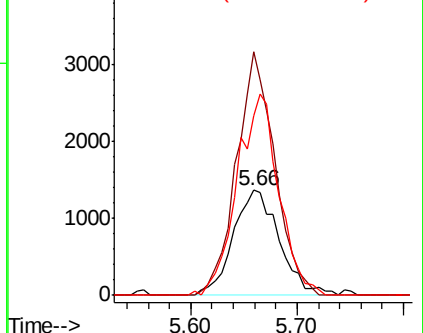
#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBL01

Tot Ion: 56 Resp: 4149
Ion Ratio Lower Upper
56 100
69 231.2 25.4 38.2#
84 171.0 71.4 107.2#

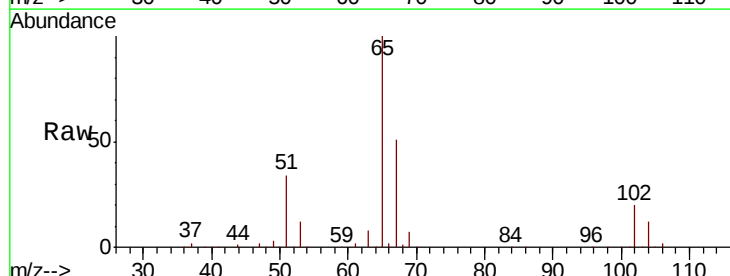


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

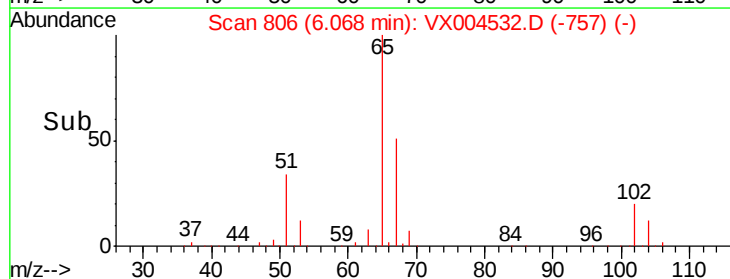
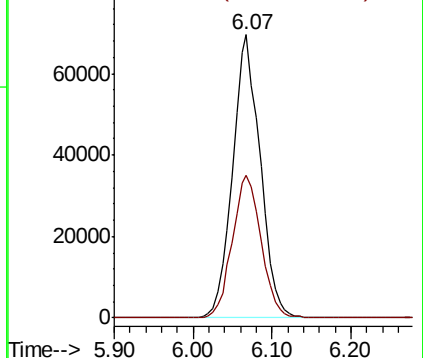


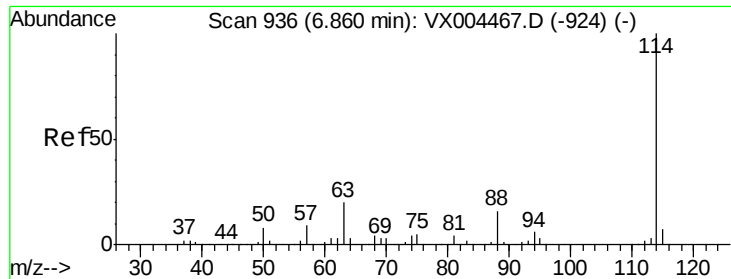
#33
1,2-Dichloroethane-d4
Concen: 53.76 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

Tgt Ion: 65 Resp: 169327
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8



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

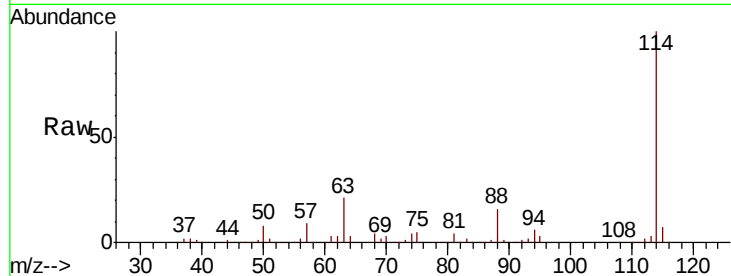




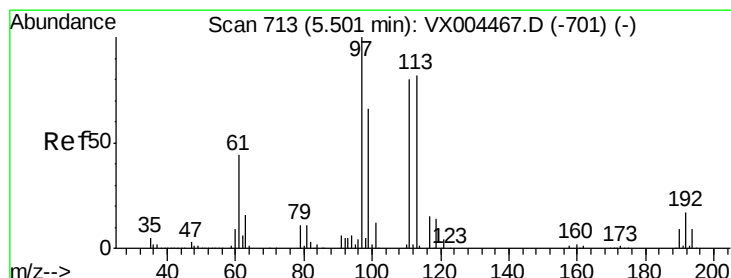
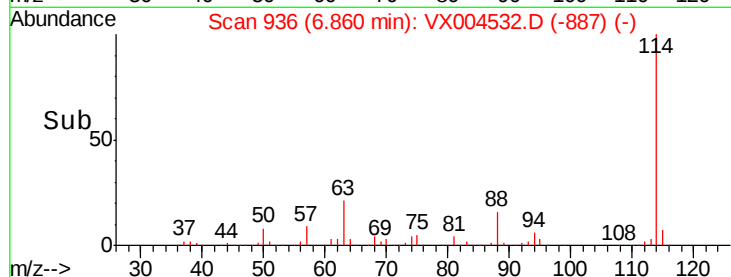
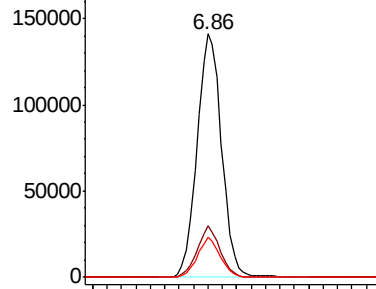
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004532.D
 Acq: 14 Sep 2018 11:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.0
88	16.4	0.0	30.4

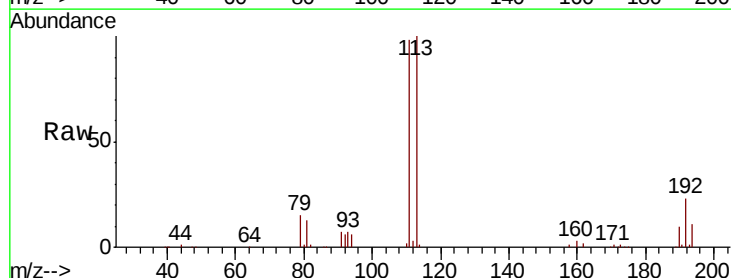


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

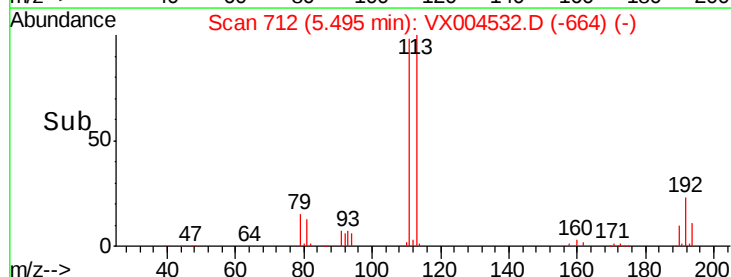
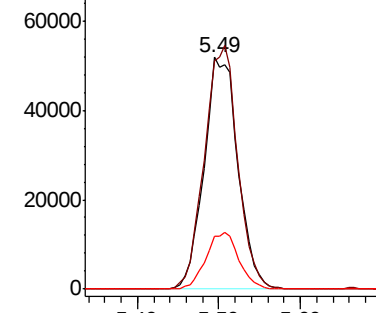


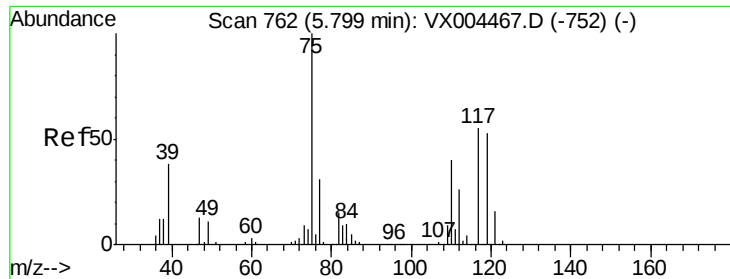
#35
 Dibromofluoromethane
 Concen: 48.70 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004532.D
 Acq: 14 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	23.7	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

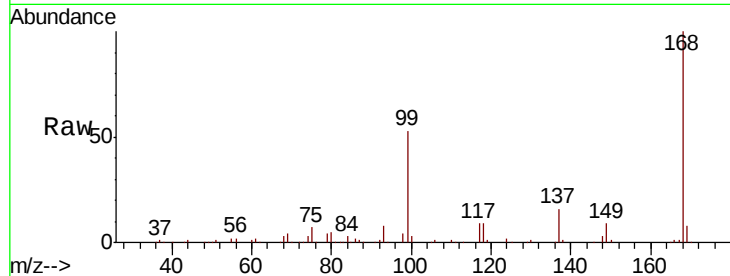




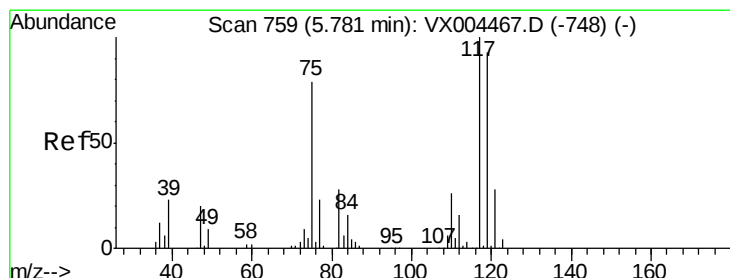
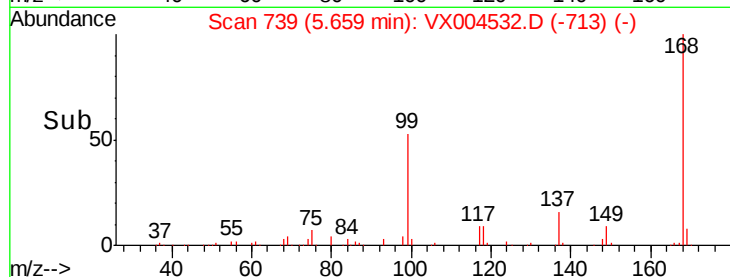
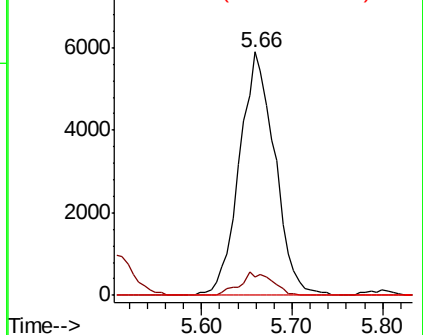
#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004532.D
 Acq: 14 Sep 2018 11:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBL01

Tot Ion	75	Resp	15939
Ion Ratio	100	Lower	Upper
110	8.7	18.0	54.0#
77	0.0	24.6	36.8#

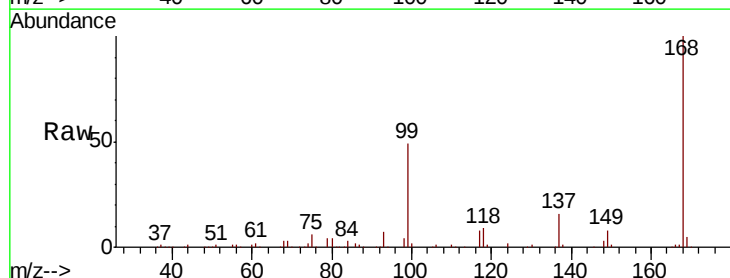


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

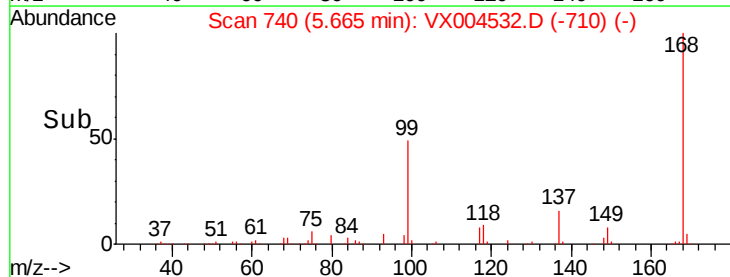
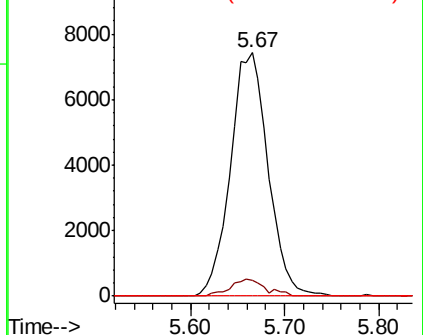


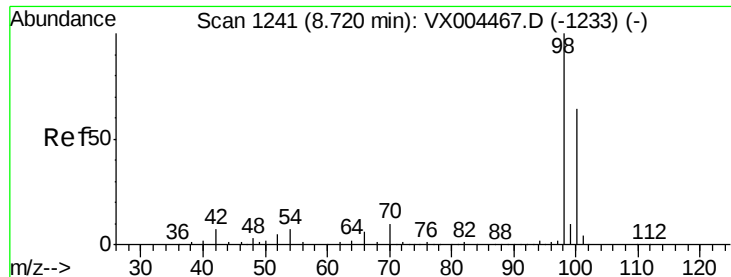
#38
 Carbon Tetrachloride
 Concen: 5.22 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004532.D
 Acq: 14 Sep 2018 11:38

Tgt Ion	117	Resp	20711
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	6.3	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





#50

Toluene-d8

Concen: 46.29 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004532.D

Acq: 14 Sep 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

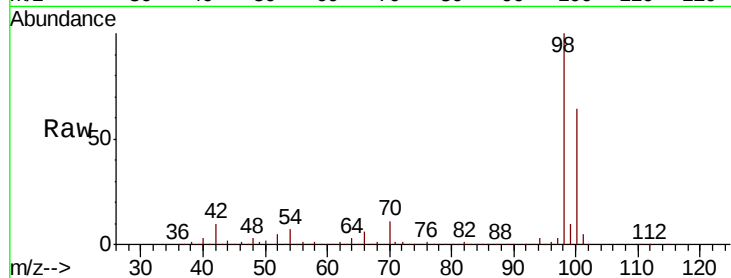
VX0914WBL01

Tot Ion: 98 Resp: 475033

Ion Ratio Lower Upper

98 100

100 64.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

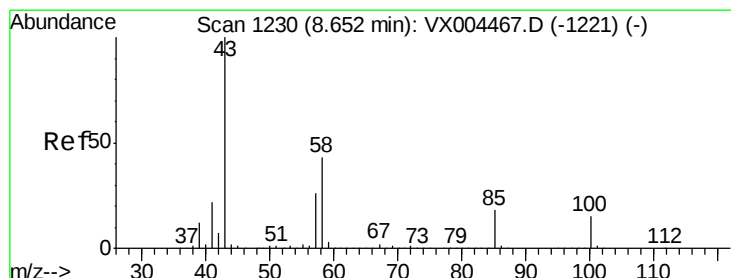
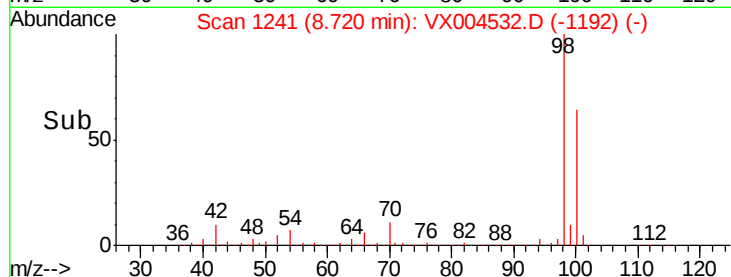
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.47 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX004532.D

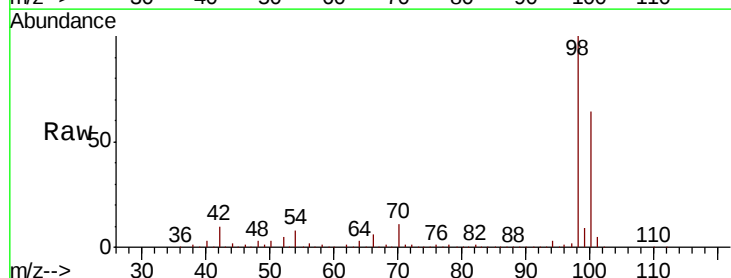
Acq: 14 Sep 2018 11:38

Tgt Ion: 43 Resp: 2024

Ion Ratio Lower Upper

43 100

58 184.5 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

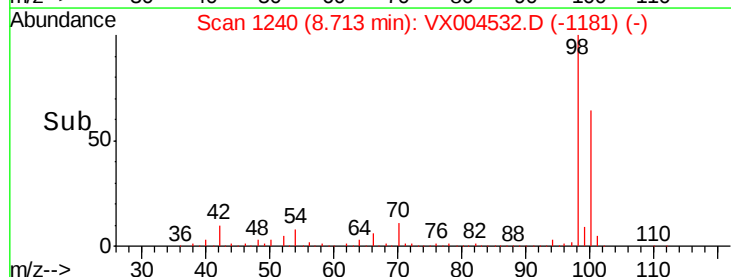
1500

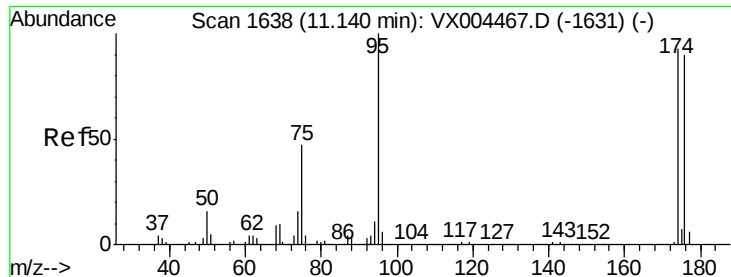
1000

500

0

Time--> 8.65 8.70 8.75 8.80

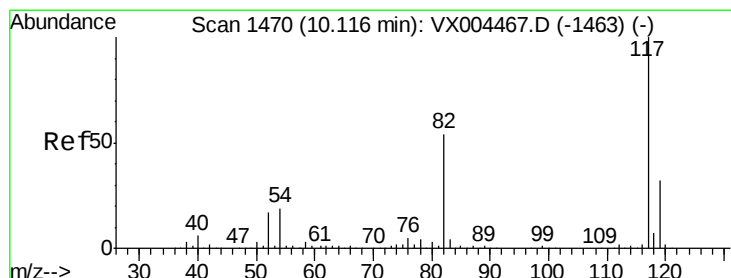
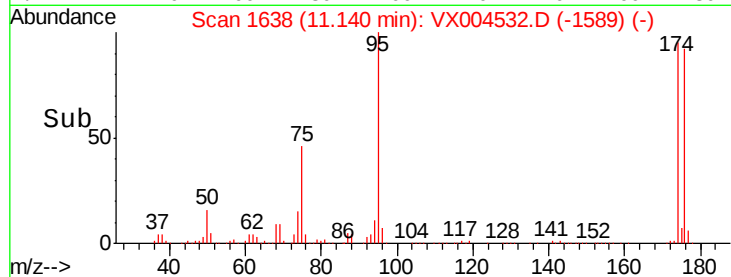
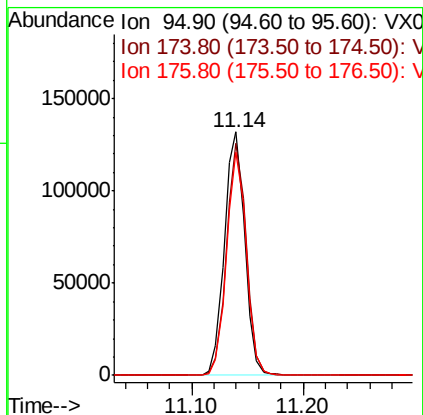
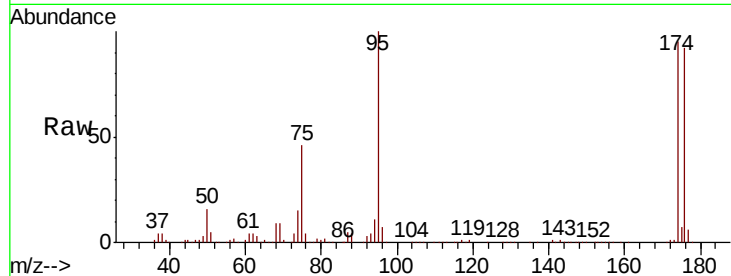




#62
4-Bromofluorobenzene
Concen: 45.57 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

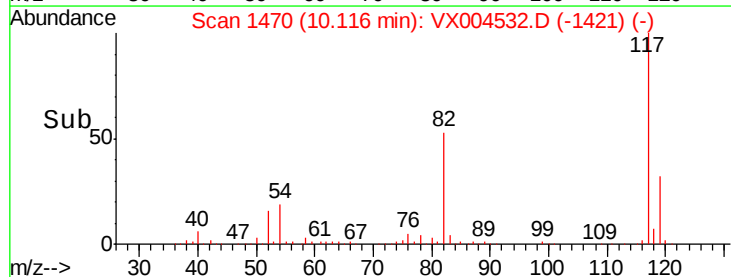
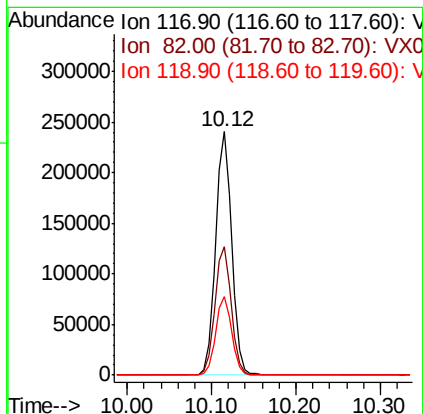
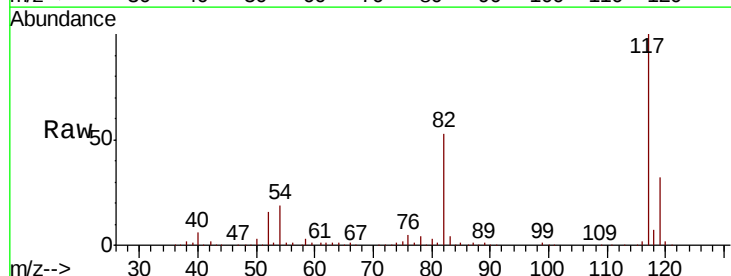
Instrument :
MSVOA_X
ClientSampleId :
VX0914WBL01

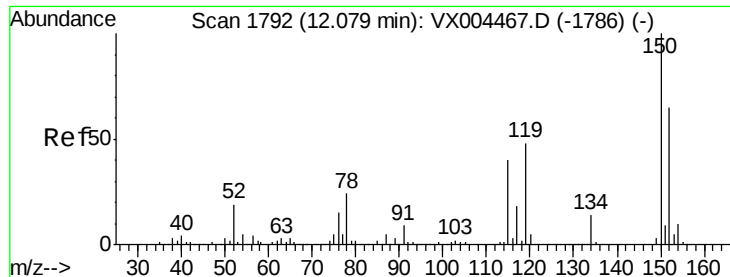
Tot Ion: 95 Resp: 166910
Ion Ratio Lower Upper
95 100
174 93.1 0.0 185.2
176 89.4 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004532.D
Acq: 14 Sep 2018 11:38

Tgt Ion: 117 Resp: 320608
Ion Ratio Lower Upper
117 100
82 52.8 47.8 71.6
119 32.4 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004532.D

Acq: 14 Sep 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBL01

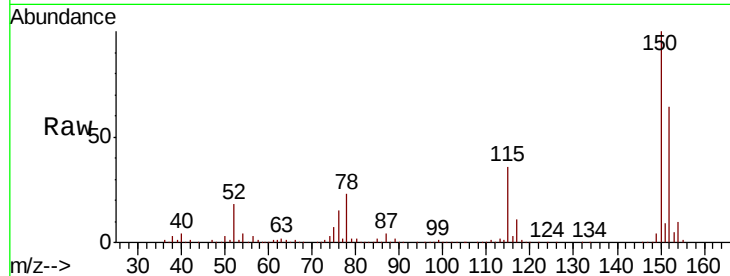
Tot Ion:152 Resp: 176152

Ion Ratio Lower Upper

152 100

115 55.3 39.0 117.0

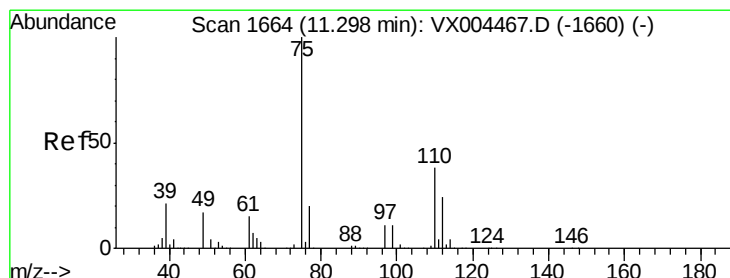
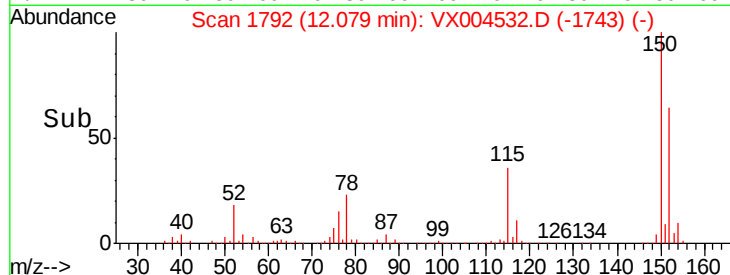
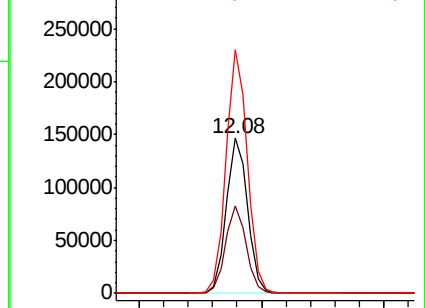
150 156.7 0.0 351.0



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: 21.92 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004532.D

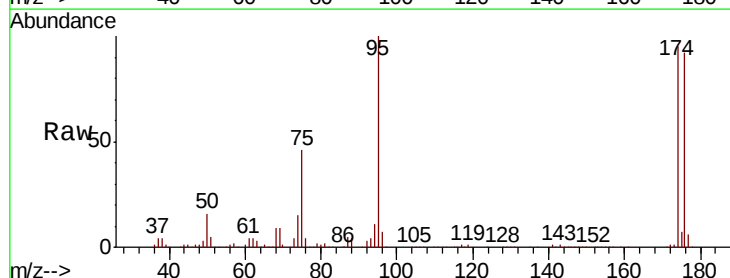
Acq: 14 Sep 2018 11:38

Tgt Ion: 75 Resp: 77677

Ion Ratio Lower Upper

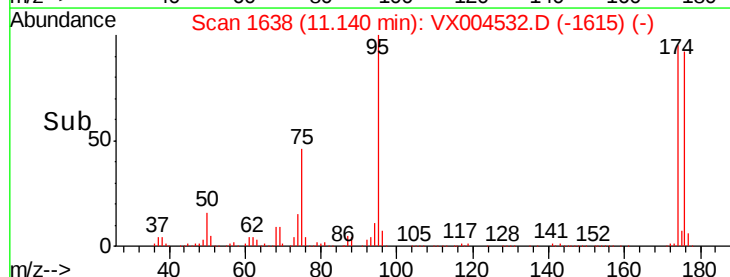
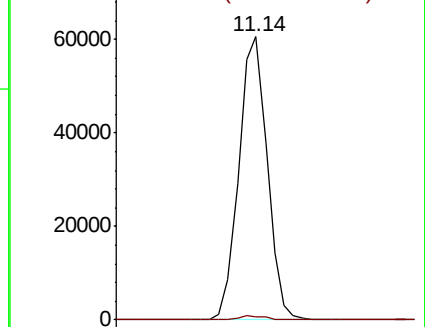
75 100

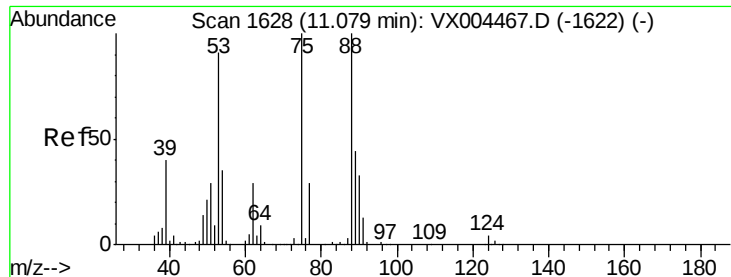
77 1.4 20.2 60.6#



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: 69.86 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004532.D

Acq: 14 Sep 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBL01

Tot Ion: 75 Resp: 77677

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

