

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005501.D
 Acq On : 23 Oct 2018 05:53
 Operator : JC/MD
 Sample : J5624-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PA-SW-02

Quant Time: Oct 23 07:39:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	325455	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	280555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134303	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	140945	55.70	ug/l	-0.01
Spiked Amount			Recovery	=	111.40%	
35) Dibromofluoromethane	5.50	113	114255	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
50) Toluene-d8	8.71	98	373967	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.14	95	122877	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	

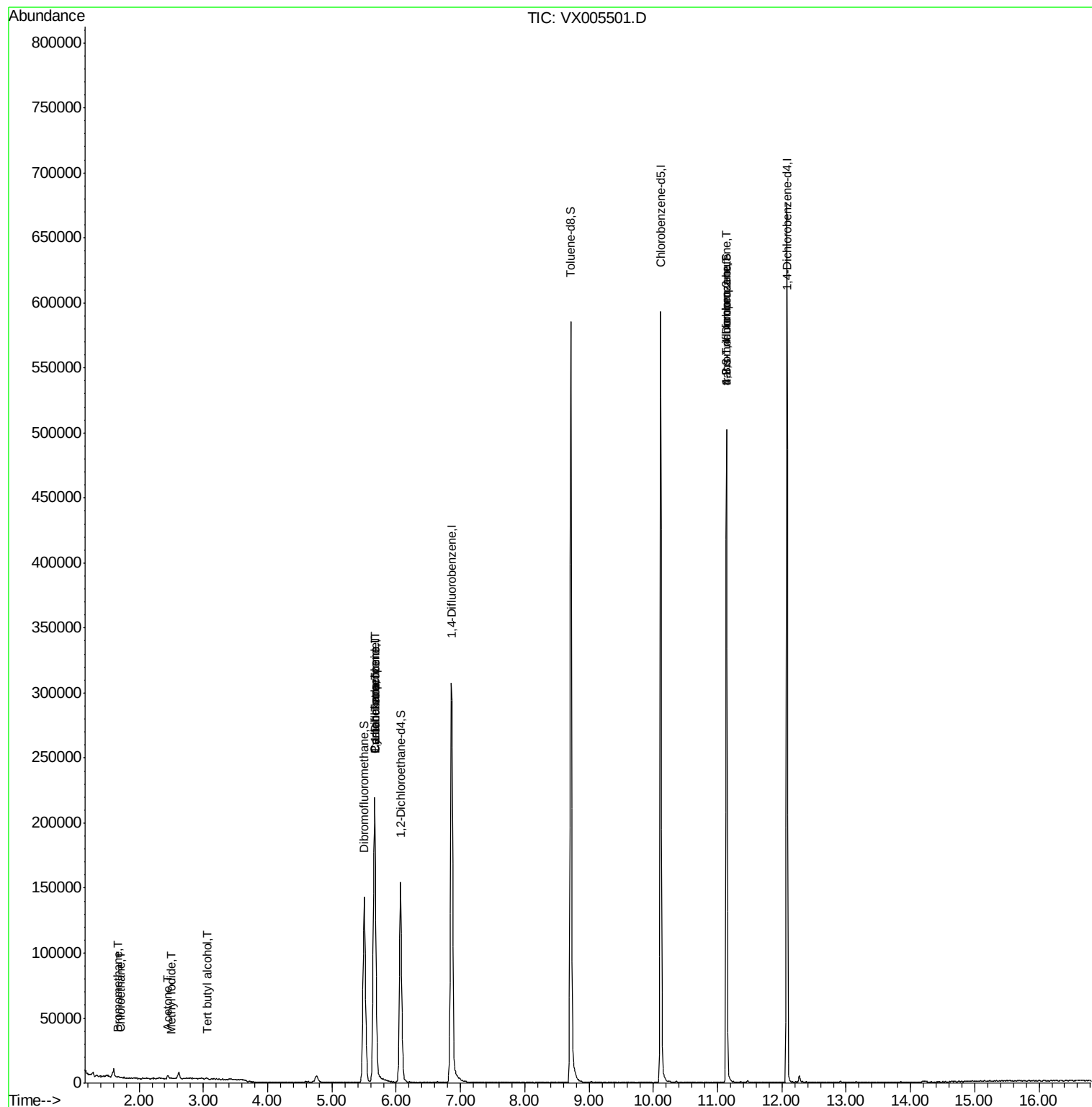
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	350	0.818	ug/l #	47
6) Chloroethane	1.72	64	135	0.414	ug/l #	44
10) Methyl Iodide	2.51	142	73	2.520	ug/l #	72
11) Tert butyl alcohol	3.07	59	567	0.794	ug/l #	61
13) Acrolein	2.29	56	440	Below Cal	#	37
16) Acetone	2.44	43	2750	1.880	ug/l	90
20) Methylene Chloride	2.86	84	179	Below Cal	#	80
31) Cyclohexane	5.67	56	4240	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15038	4.771	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20546	6.487	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	61552	23.628	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	61552	71.792	ug/l #	10

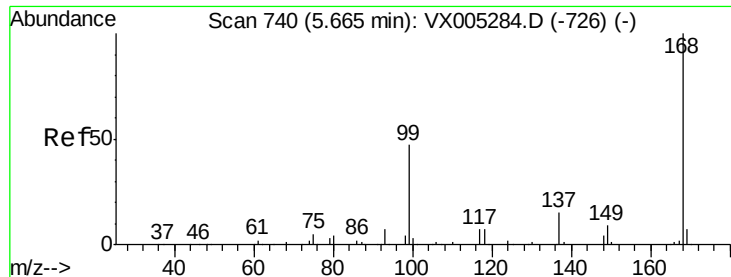
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

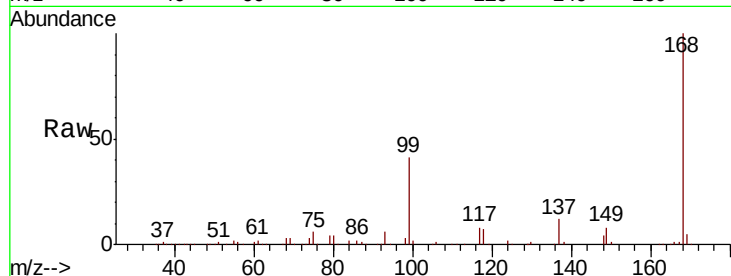
PA-SW-02

Tot Ion:168 Resp: 227989

Ion Ratio Lower Upper

168 100

99 40.8 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

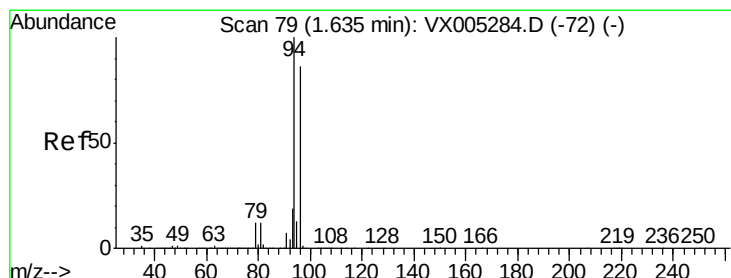
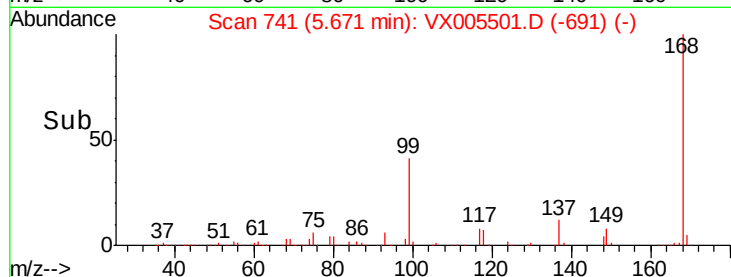
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.818 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX005501.D

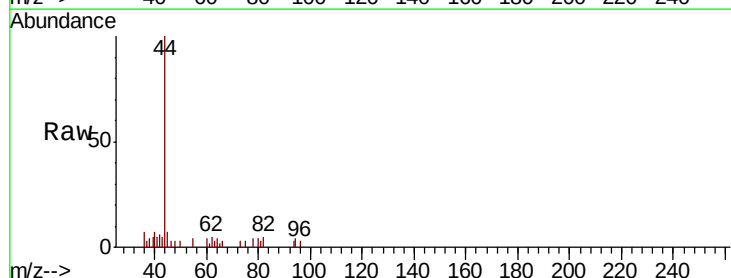
Acq: 23 Oct 2018 05:53

Tgt Ion: 94 Resp: 350

Ion Ratio Lower Upper

94 100

96 41.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

150

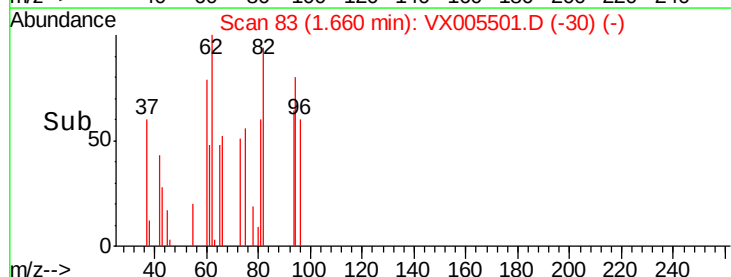
100

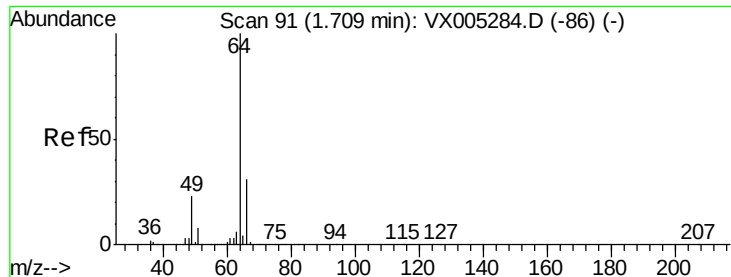
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.414 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

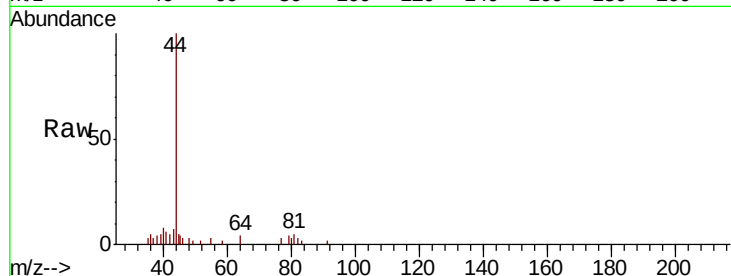
PA-SW-02

Tot Ion: 64 Resp: 135

Ion Ratio Lower Upper

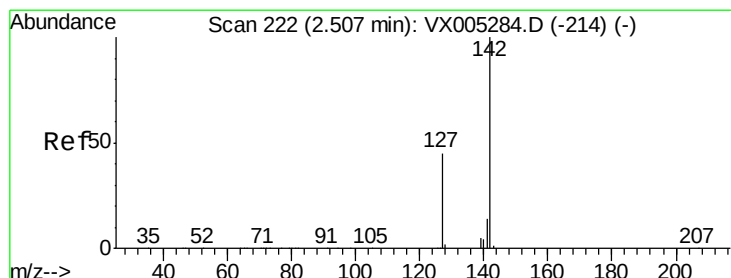
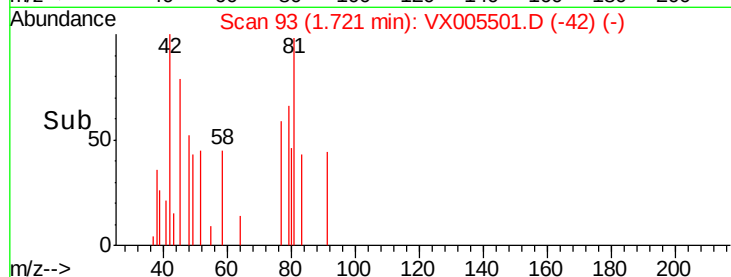
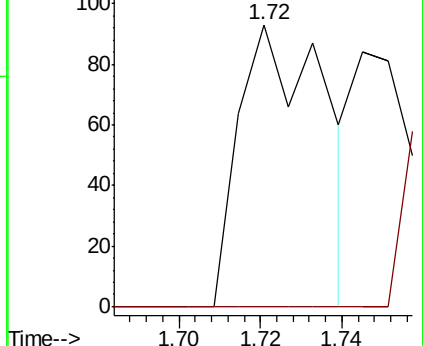
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.520 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

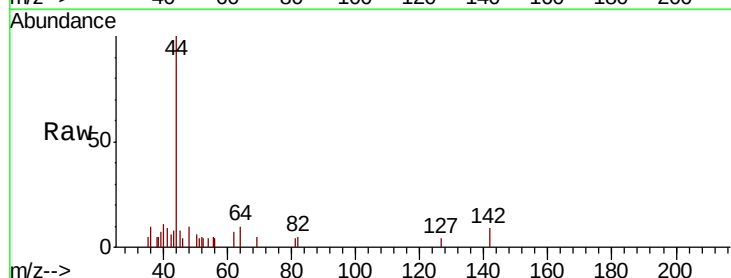
Tgt Ion: 142 Resp: 73

Ion Ratio Lower Upper

142 100

127 26.0 33.8 50.6#

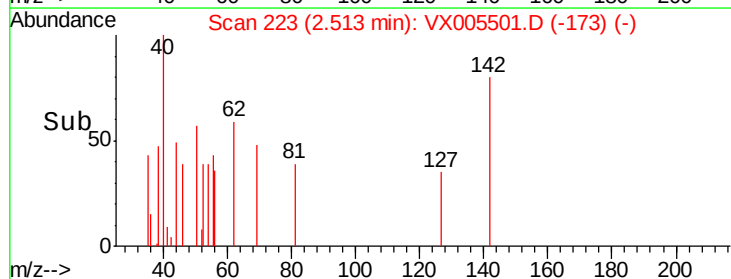
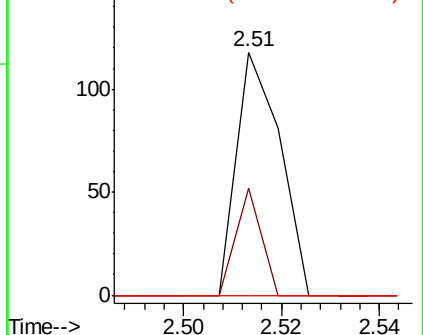
141 0.0 11.4 17.0#

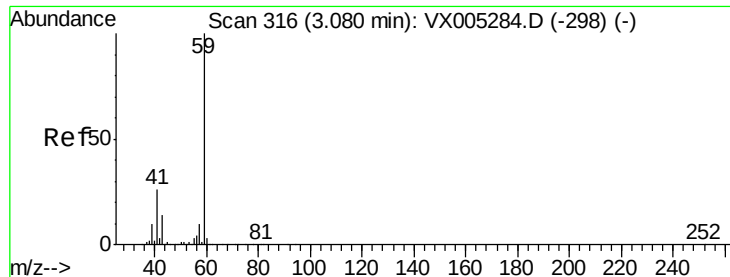


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



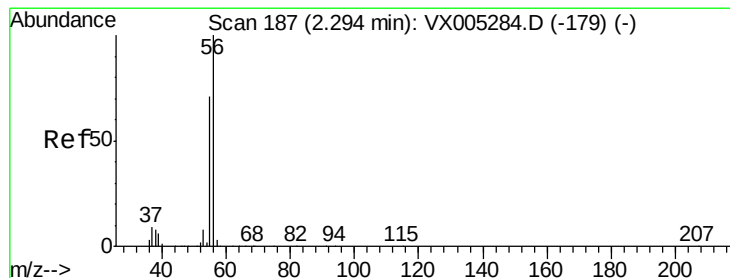
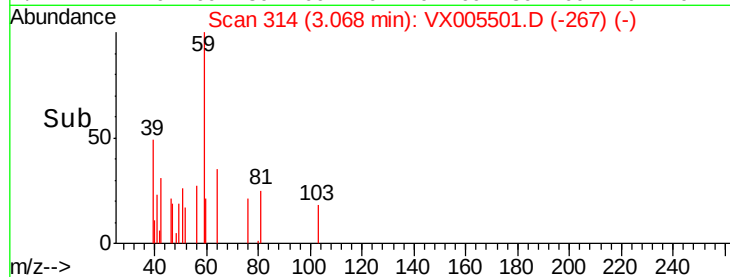
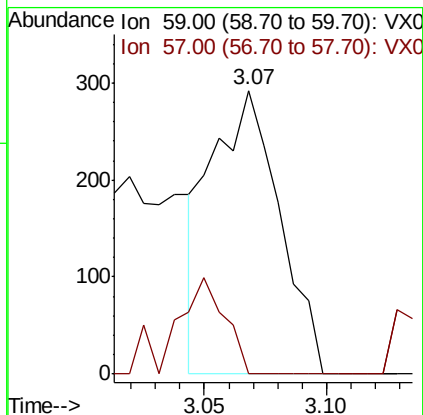
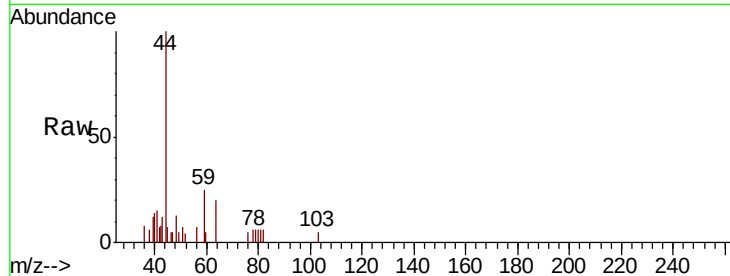


#11

Tert butyl alcohol
 Concen: 0.794 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005501.D
 Acq: 23 Oct 2018 05:53

Instrument :
 MSVOA_X
 ClientSampled :
 PA-SW-02

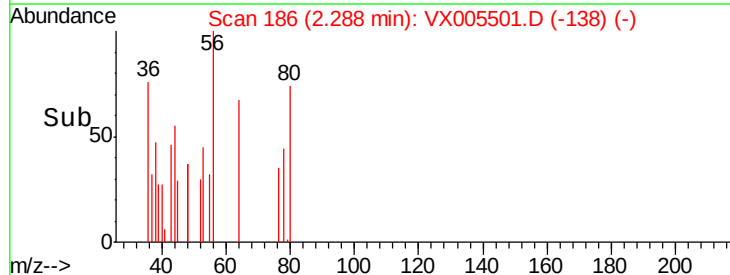
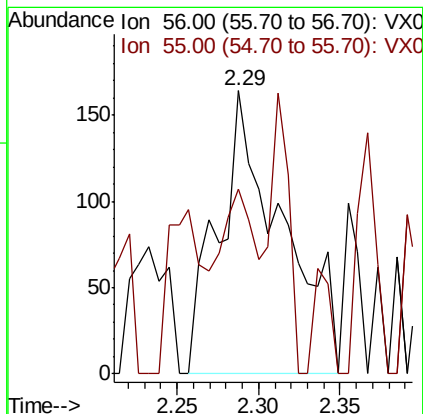
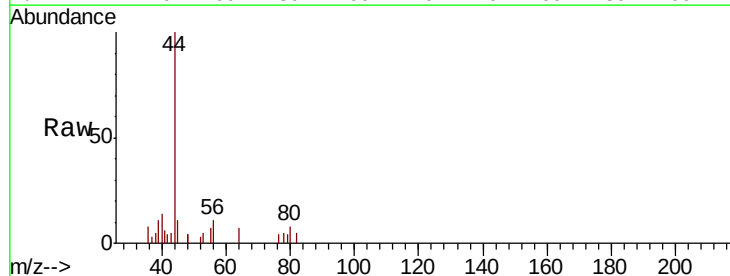
Tot Ion: 59 Resp: 567
 Ion Ratio Lower Upper
 59 100
 57 24.7 8.2 12.4#

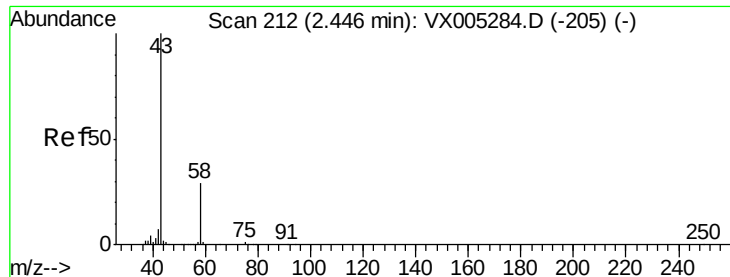


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX005501.D
 Acq: 23 Oct 2018 05:53

Tgt Ion: 56 Resp: 440
 Ion Ratio Lower Upper
 56 100
 55 17.5 54.7 82.1#





#16

Acetone

Concen: 1.880 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

Instrument :

MSVOA_X

ClientSampleId :

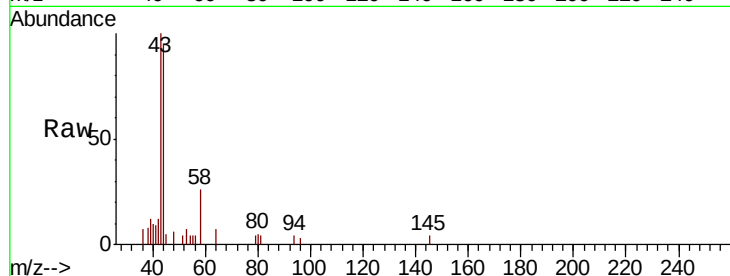
PA-SW-02

Tot Ion: 43 Resp: 2750

Ion Ratio Lower Upper

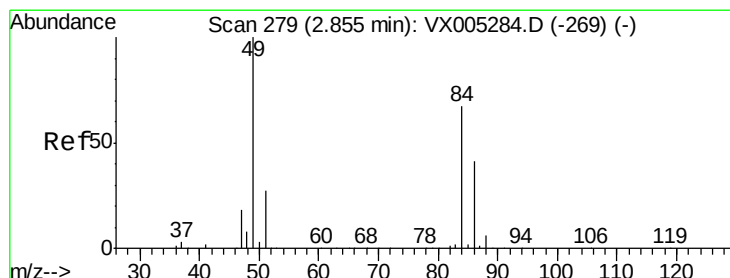
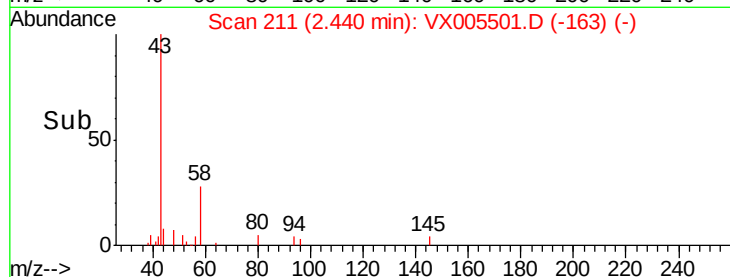
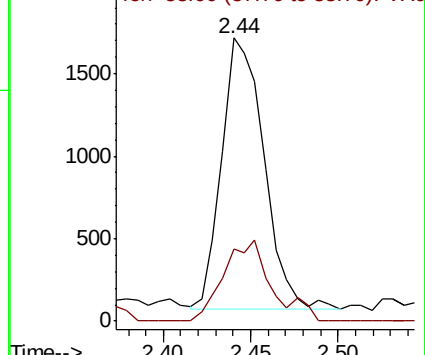
43 100

58 26.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

Tgt Ion: 84 Resp: 179

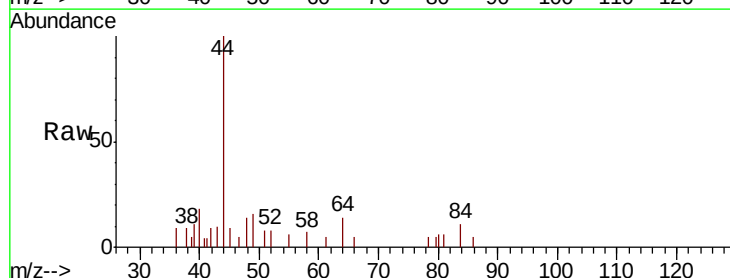
Ion Ratio Lower Upper

84 100

49 143.5 101.2 151.8

51 24.4 29.5 44.3#

86 42.0 52.3 78.5#

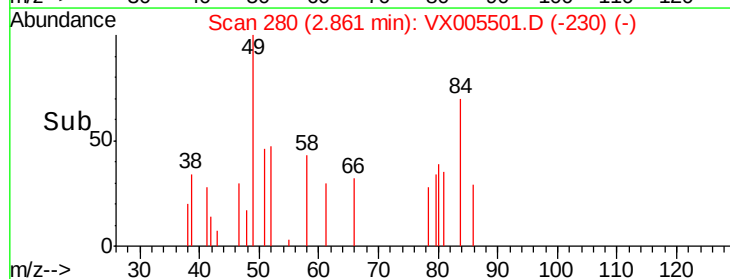
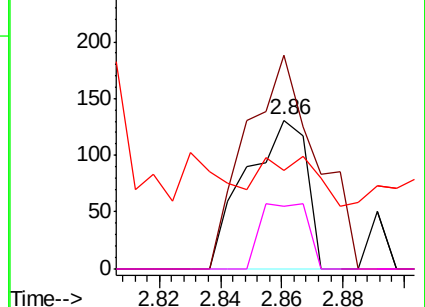


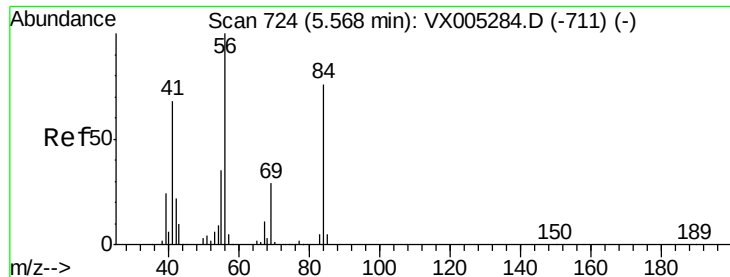
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

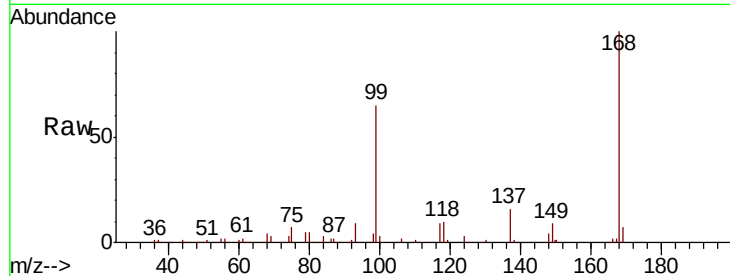




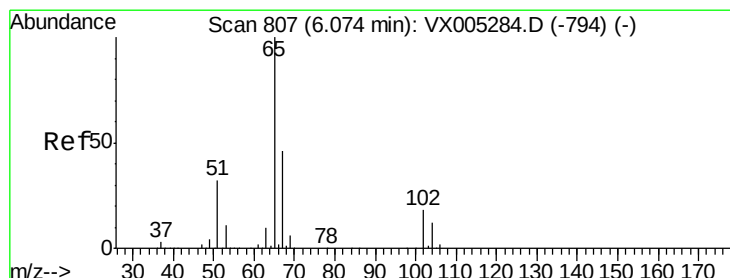
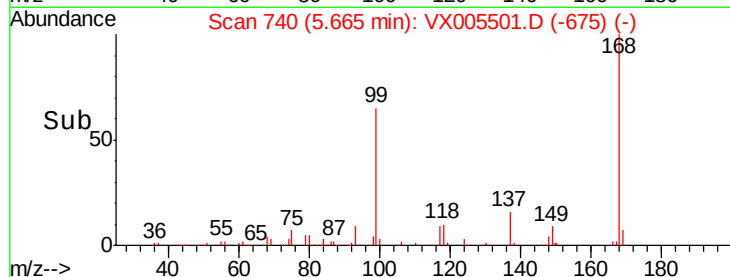
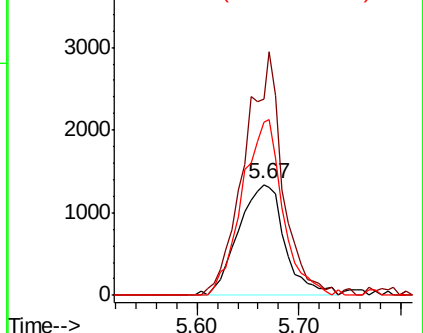
#31
Cyclohexane
Concen: 1.219 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005501.D
Acq: 23 Oct 2018 05:53

Instrument :
MSVOA_X
ClientSampleId :
PA-SW-02

Tot Ion: 56 Resp: 4240
Ion Ratio Lower Upper
56 100
69 176.5 25.4 38.2#
84 156.5 71.4 107.2#

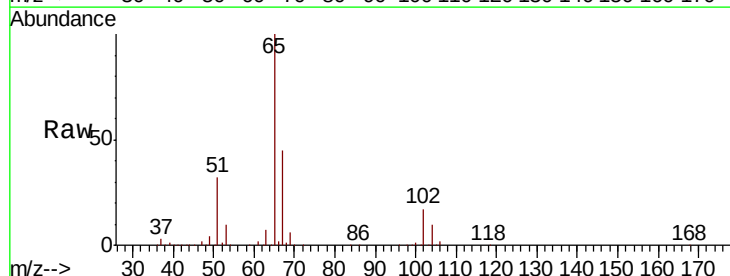


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

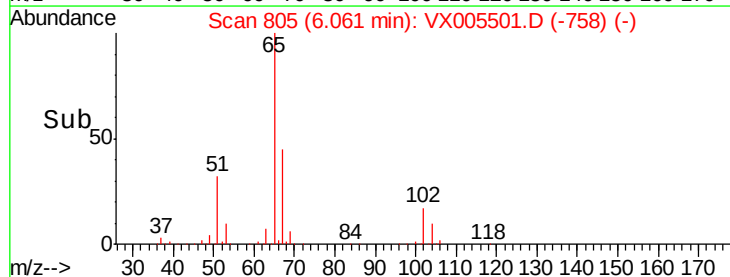
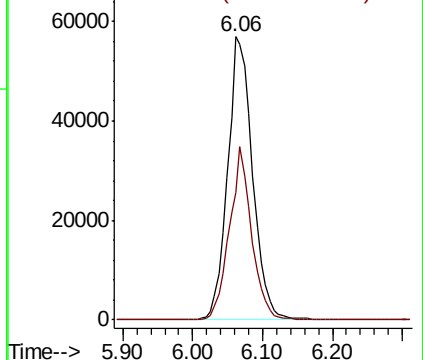


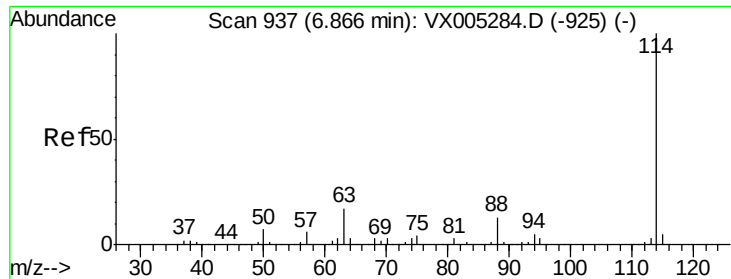
#33
1,2-Dichloroethane-d4
Concen: 55.702 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005501.D
Acq: 23 Oct 2018 05:53

Tgt Ion: 65 Resp: 140945
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.8



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

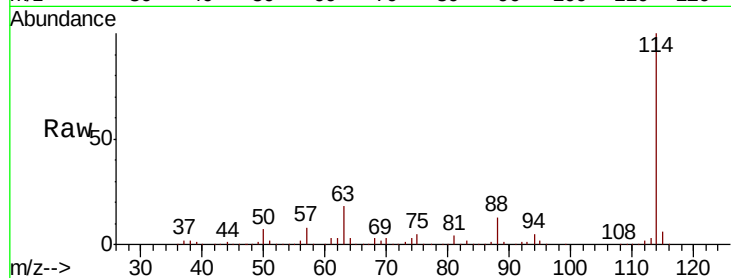




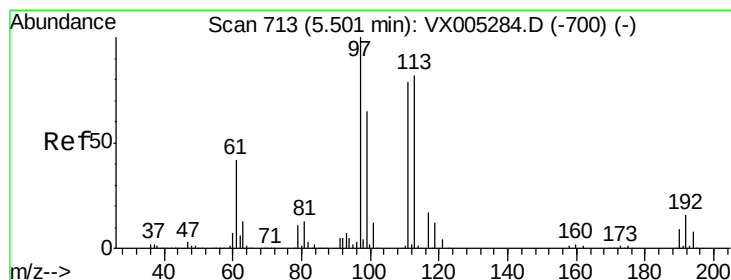
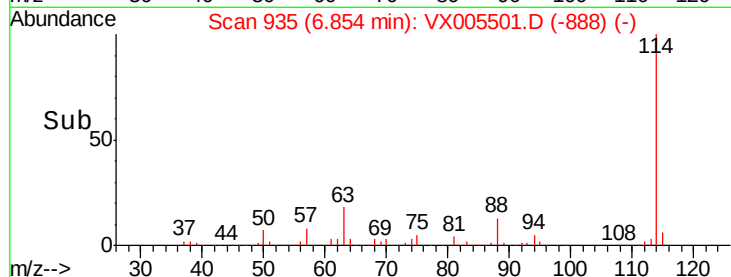
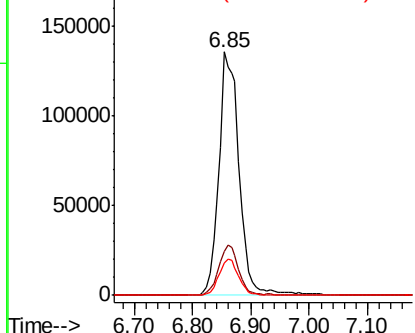
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005501.D
 Acq: 23 Oct 2018 05:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PA-SW-02

Tot Ion:114 Resp: 325455
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.0
 88 13.1 0.0 30.4

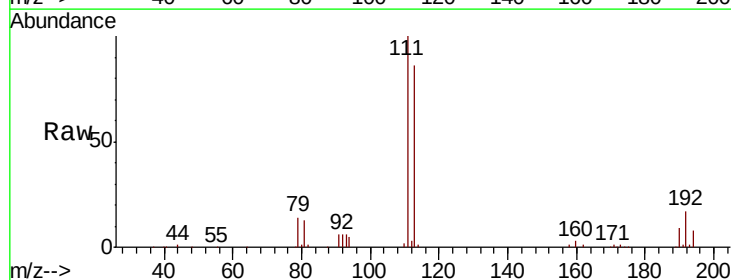


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

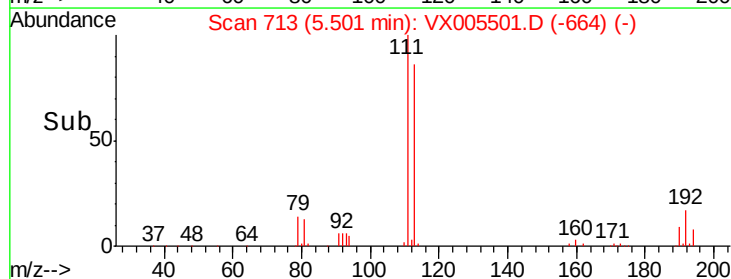
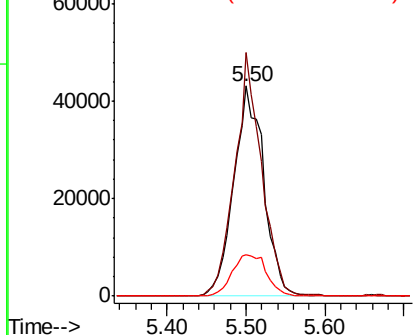


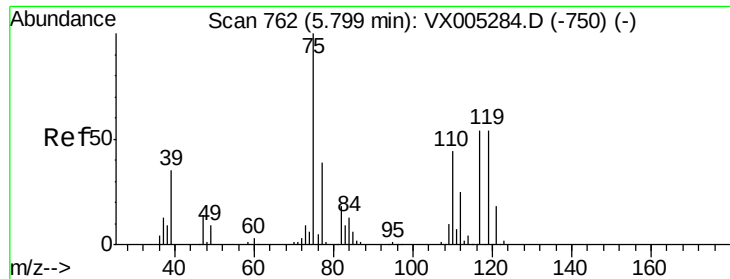
#35
 Dibromofluoromethane
 Concen: 53.005 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005501.D
 Acq: 23 Oct 2018 05:53

Tgt Ion:113 Resp: 114255
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.4 123.6
 192 22.7 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

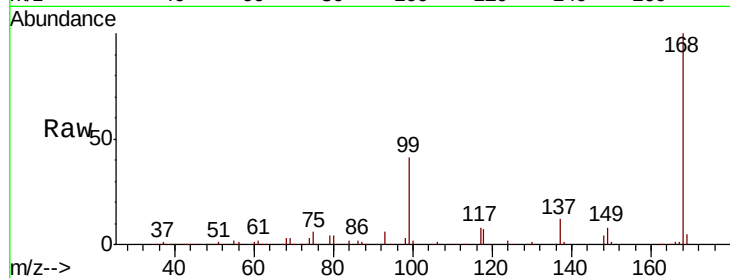




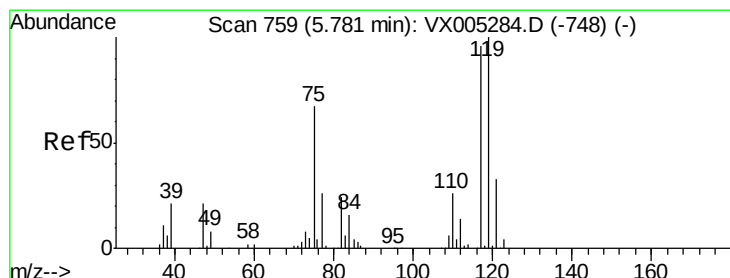
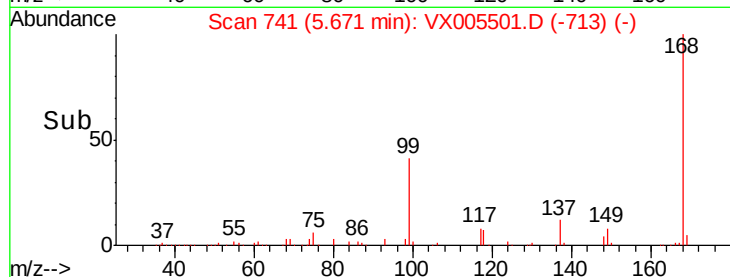
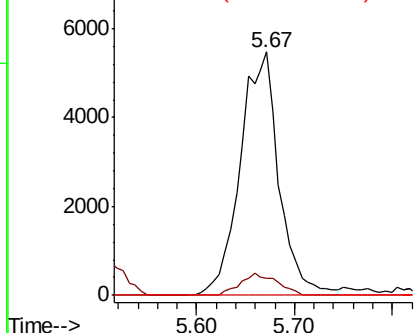
#36
 1,1-Dichloropropene
 Concen: 4.771 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005501.D
 Acq: 23 Oct 2018 05:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PA-SW-02

Tot Ion	75	Resp	15038
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	18.0	54.0#
77	0.0	24.6	36.8#

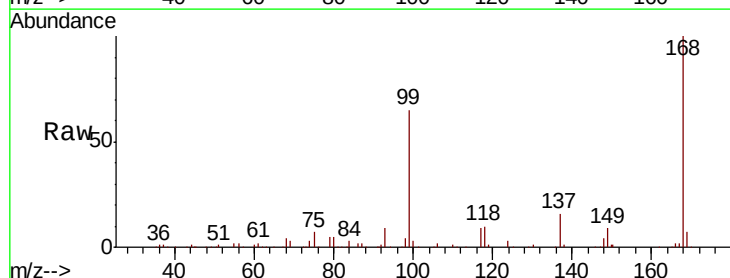


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

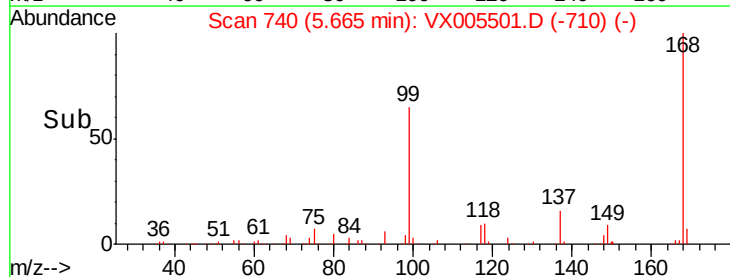
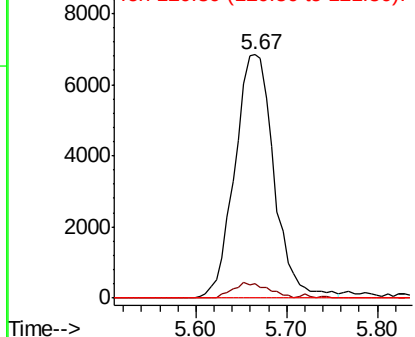


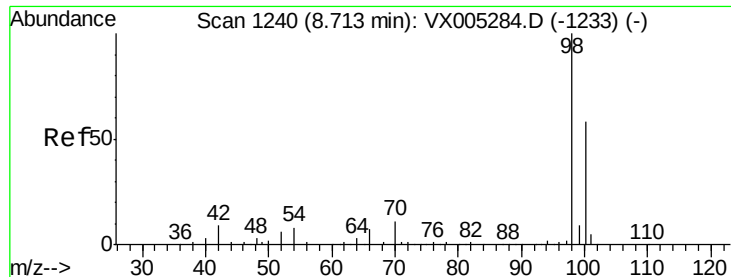
#38
 Carbon Tetrachloride
 Concen: 6.487 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005501.D
 Acq: 23 Oct 2018 05:53

Tgt Ion	117	Resp	20546
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.0	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

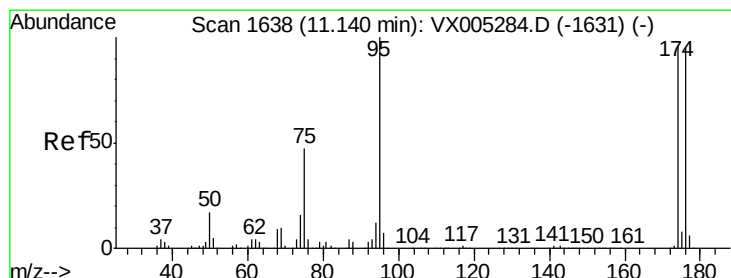
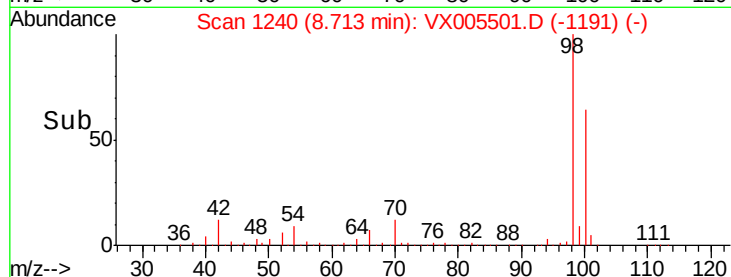
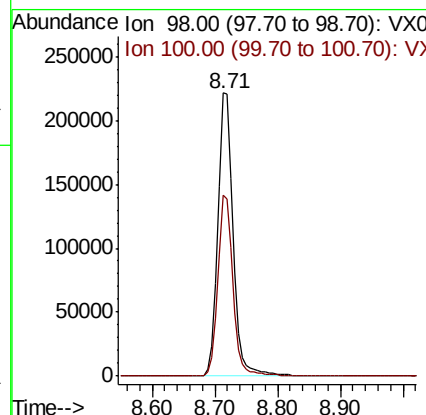
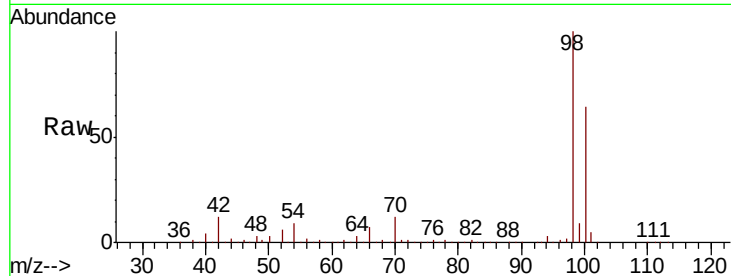




#50
Toluene-d8
Concen: 50.535 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005501.D
Acq: 23 Oct 2018 05:53

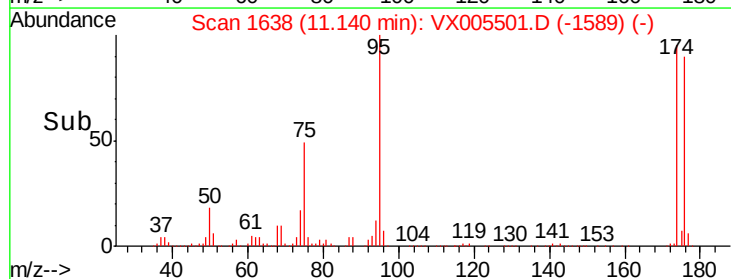
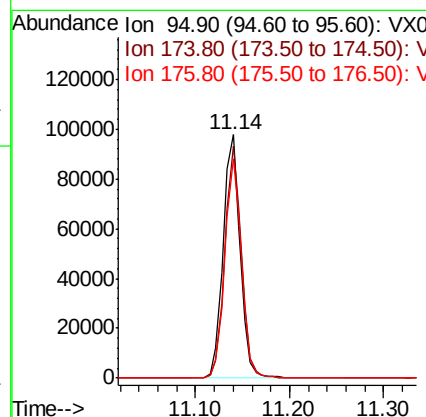
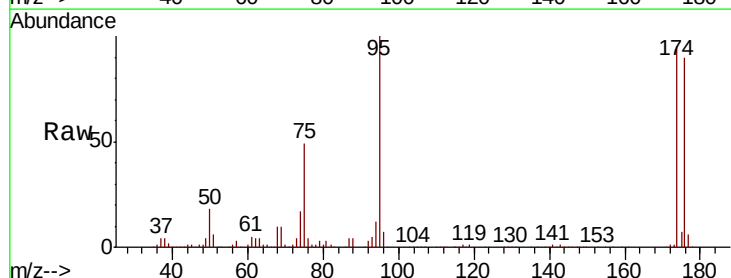
Instrument :
MSVOA_X
ClientSampleId :
PA-SW-02

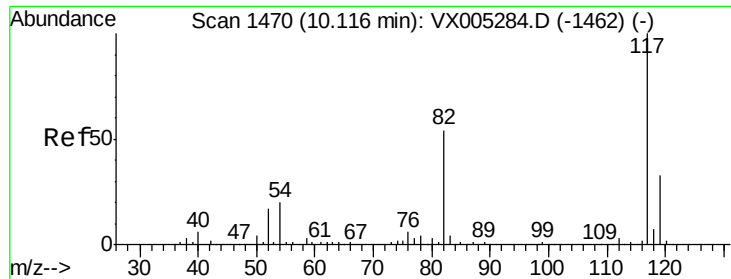
Tot Ion: 98 Resp: 373967
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.200 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005501.D
Acq: 23 Oct 2018 05:53

Tgt Ion: 95 Resp: 122877
Ion Ratio Lower Upper
95 100
174 93.1 0.0 185.2
176 88.6 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

Instrument :

MSVOA_X

ClientSampled :

PA-SW-02

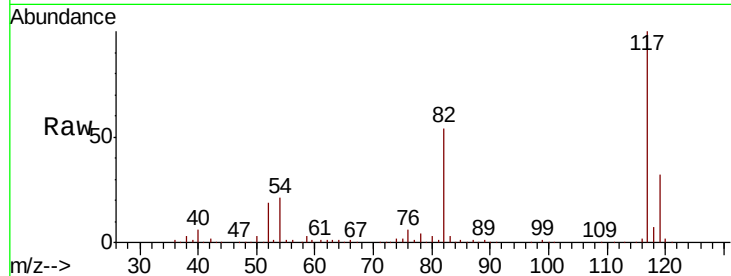
Tot Ion:117 Resp: 280555

Ion Ratio Lower Upper

117 100

82 54.4 47.8 71.6

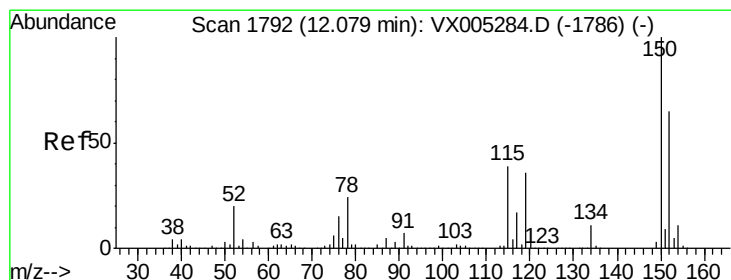
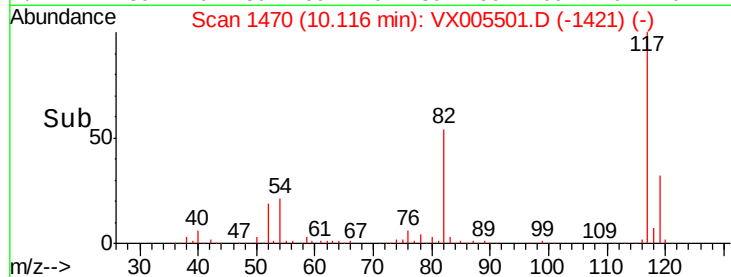
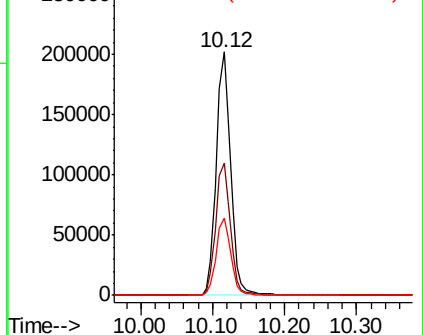
119 31.5 29.3 43.9



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

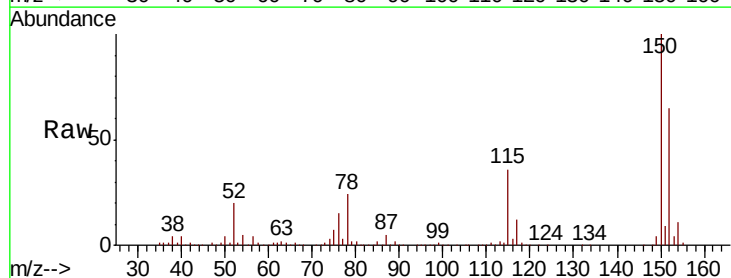
Tgt Ion:152 Resp: 134303

Ion Ratio Lower Upper

152 100

115 56.2 39.0 117.0

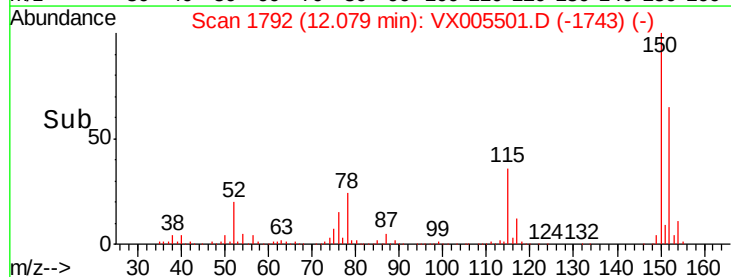
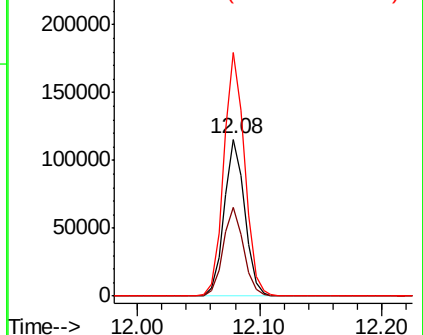
150 157.0 0.0 351.0

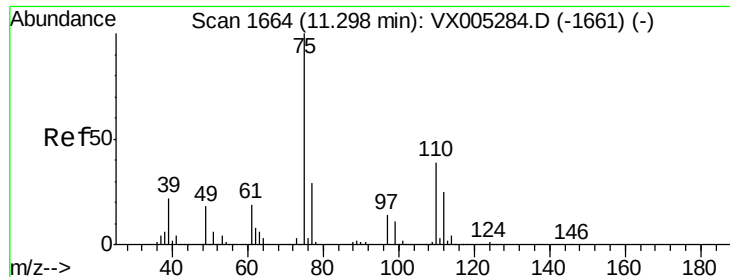


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.628 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

Instrument :

MSVOA_X

ClientSampled :

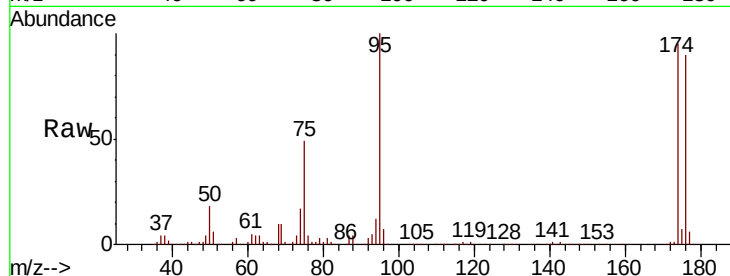
PA-SW-02

Tot Ion: 75 Resp: 61552

Ion Ratio Lower Upper

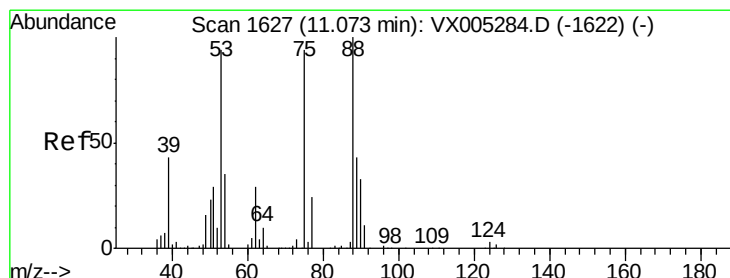
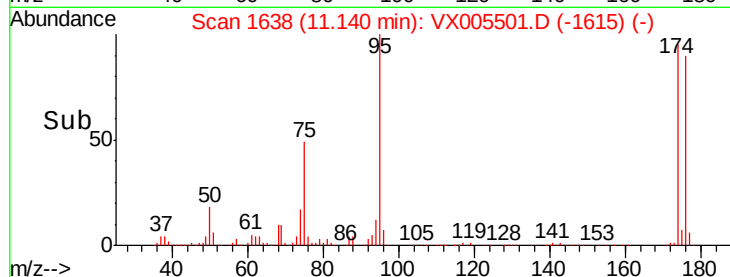
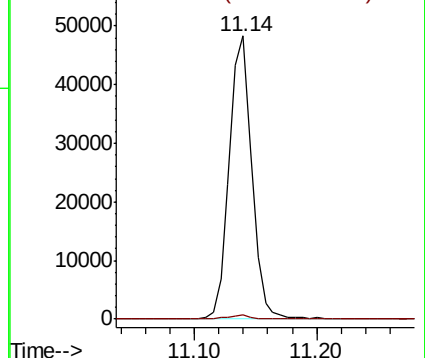
75 100

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: 71.792 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005501.D

Acq: 23 Oct 2018 05:53

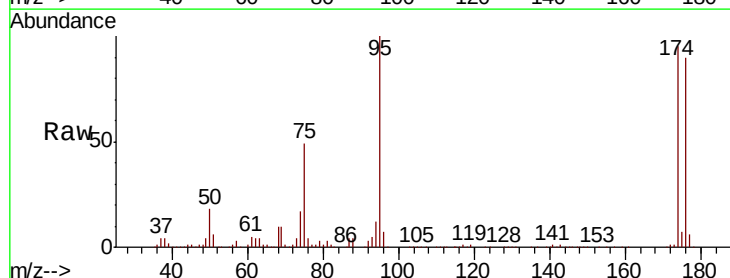
Tgt Ion: 75 Resp: 61552

Ion Ratio Lower Upper

75 100

53 0.3 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

