

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005340.D
 Acq On : 15 Oct 2018 13:41
 Operator : JC/MD
 Sample : J5472-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Oct 16 03:35:53 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	269118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167227	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	157496	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	5.50	113	125756	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.71	98	457726	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	11.14	95	150041	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	

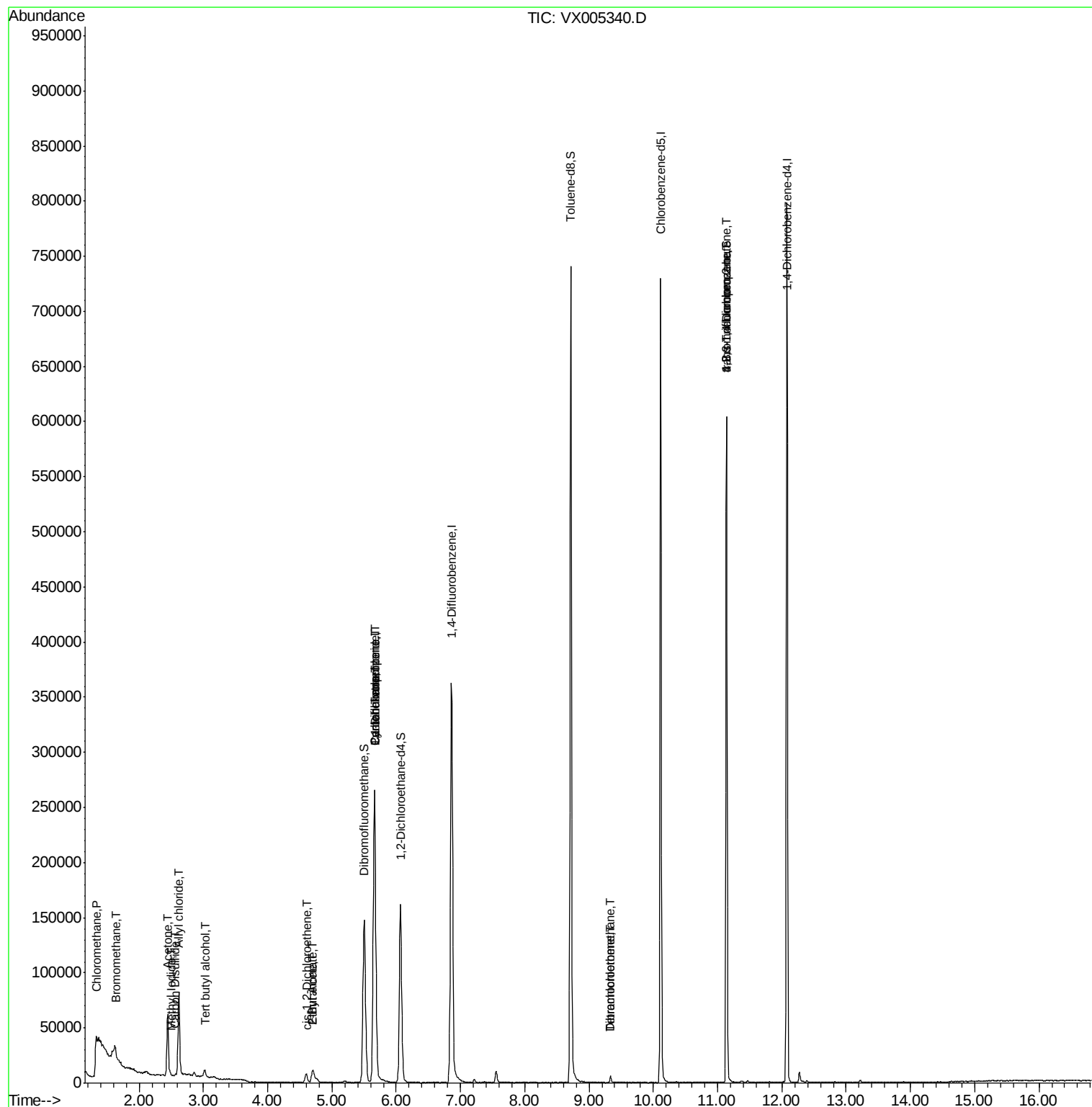
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1318	0.432	ug/l #	76
5) Bromomethane	1.64	94	474	0.853	ug/l #	79
10) Methyl Iodide	2.51	142	386	2.629	ug/l #	92
11) Tert butyl alcohol	3.03	59	4327	5.136	ug/l #	74
13) Acrolein	2.29	56	114	Below Cal		96
14) Allyl chloride	2.62	41	7767	1.501	ug/l #	72
16) Acetone	2.45	43	61109	35.386	ug/l	97
17) Carbon Disulfide	2.57	76	3246	0.455	ug/l #	91
20) Methylene Chloride	2.85	84	1247	Below Cal	#	89
25) 2-Butanone	4.70	43	21372	8.458	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	4443	1.565	ug/l	91
31) Cyclohexane	5.66	56	4639	1.130	ug/l #	9
36) 1,1-Dichloropropene	5.67	75	18215	4.946	ug/l #	51
37) Ethyl Acetate	4.70	43	21372	4.513	ug/l #	68
38) Carbon Tetrachloride	5.67	117	24082	6.508	ug/l #	16
44) Trichloroethene	7.21	130	1089	Below Cal		96
60) Dibromochloromethane	9.34	129	992	0.375	ug/l #	11
64) Tetrachloroethene	9.34	164	1204	0.432	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	73582	22.684	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	73582	68.926	ug/l #	10

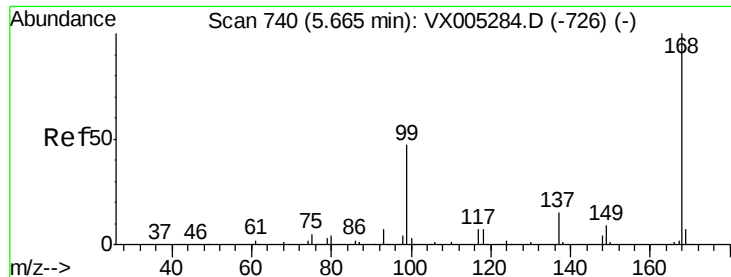
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

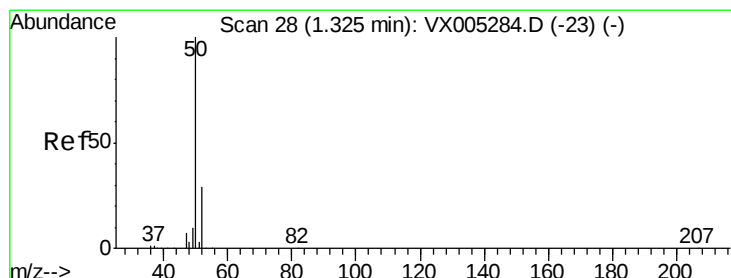
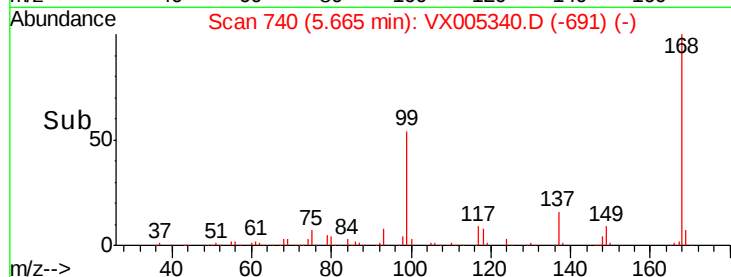
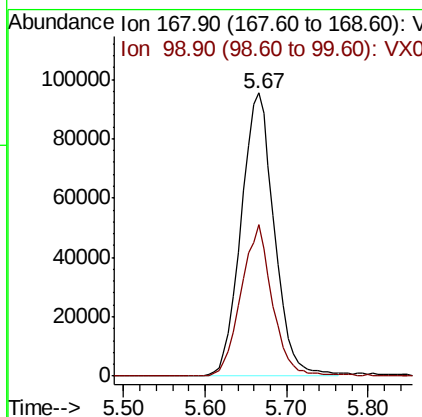
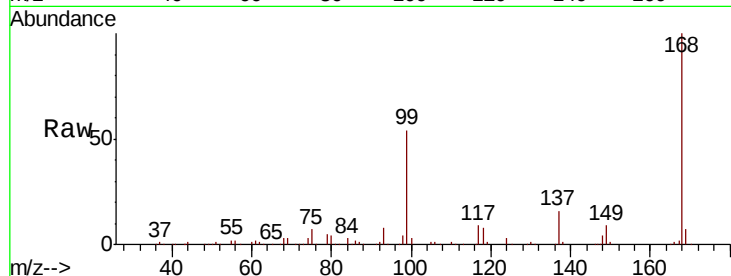




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

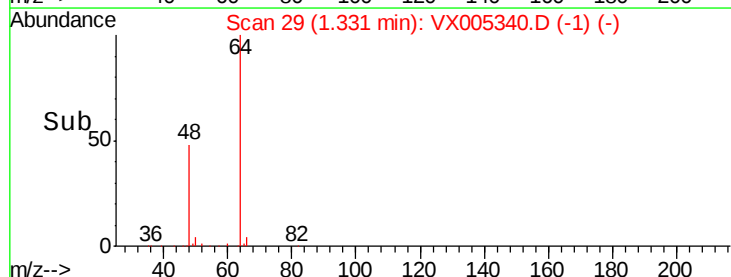
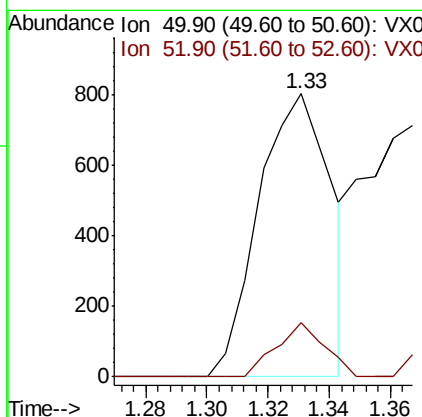
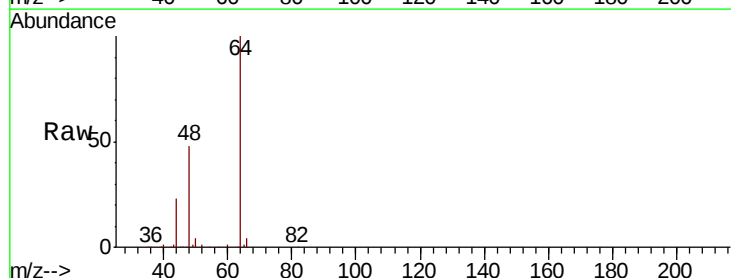
Instrument :
MSVOA_X
ClientSampleId :
MW-1

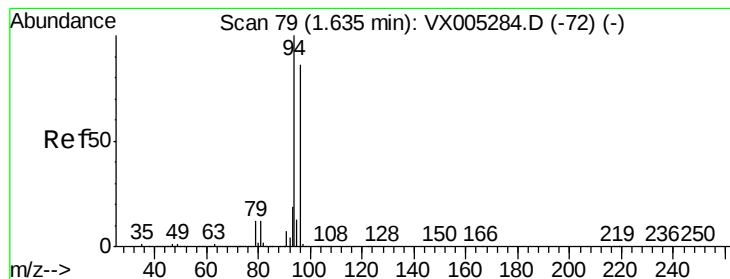
Tot Ion:168 Resp: 269118
Ion Ratio Lower Upper
168 100
99 53.5 39.9 59.9



#3
Chloromethane
Concen: 0.432 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

Tgt Ion: 50 Resp: 1318
Ion Ratio Lower Upper
50 100
52 19.3 26.2 39.2#





#5

Bromomethane

Concen: 0.853 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampled :

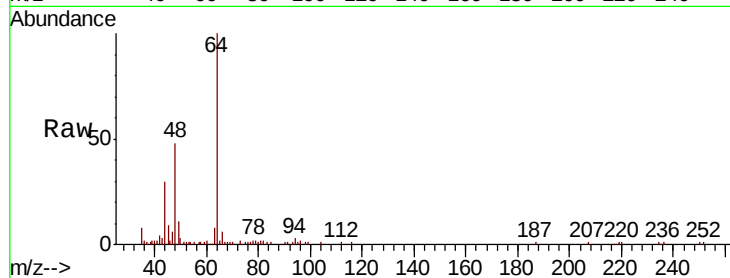
MW-1

Tot Ion: 94 Resp: 474

Ion Ratio Lower Upper

94 100

96 113.6 74.5 111.7#

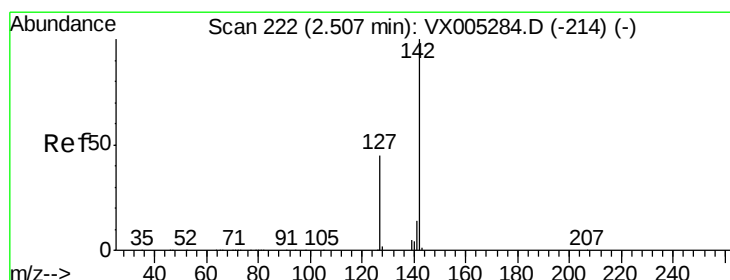
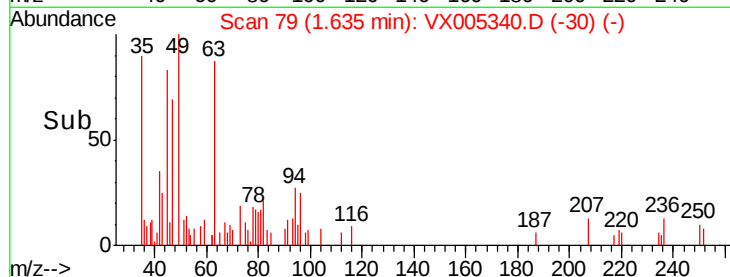


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

Time-->



#10

Methyl Iodide

Concen: 2.629 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

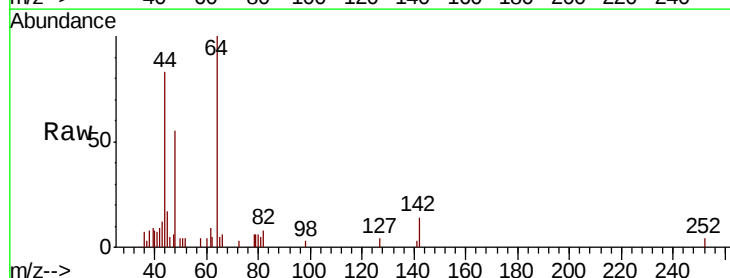
Tgt Ion: 142 Resp: 386

Ion Ratio Lower Upper

142 100

127 39.9 33.8 50.6

141 5.4 11.4 17.0#



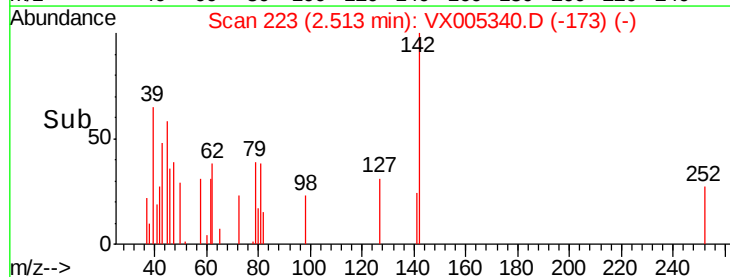
Abundance Ion 141.80 (141.50 to 142.50): V

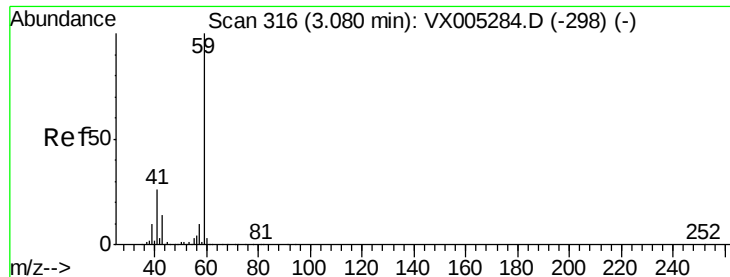
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

Time-->



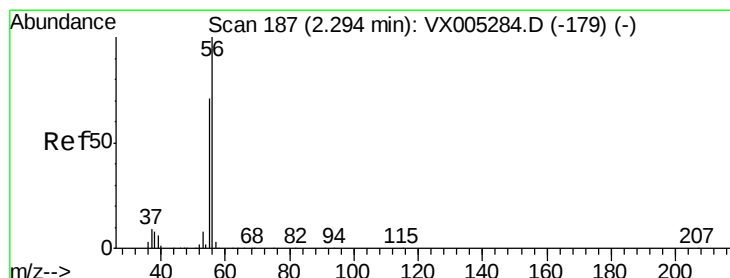
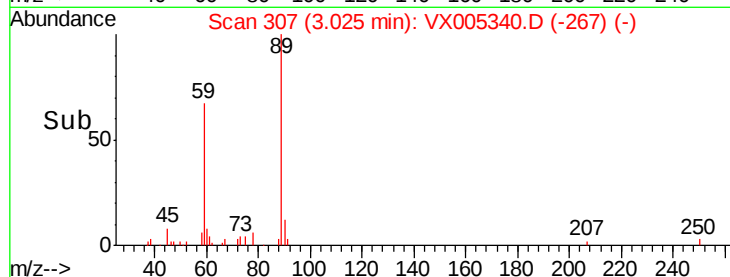
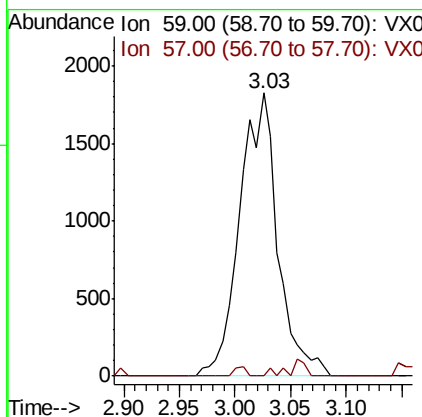
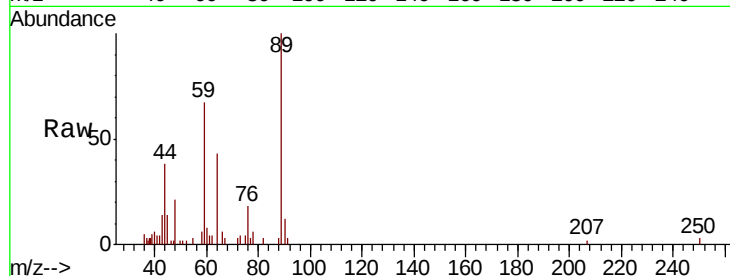


#11

Tert butyl alcohol
 Concen: 5.136 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005340.D
 Acq: 15 Oct 2018 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

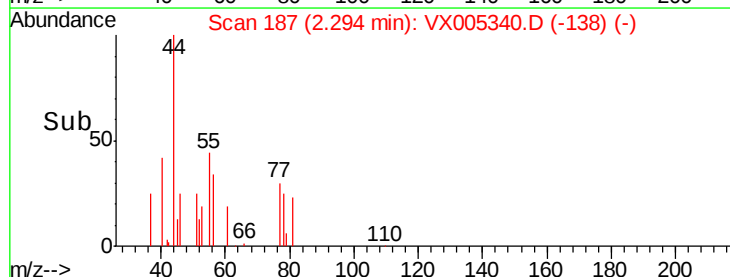
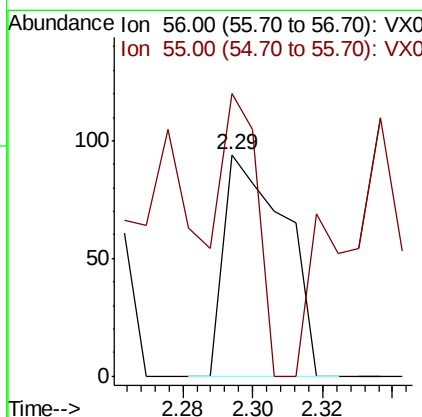
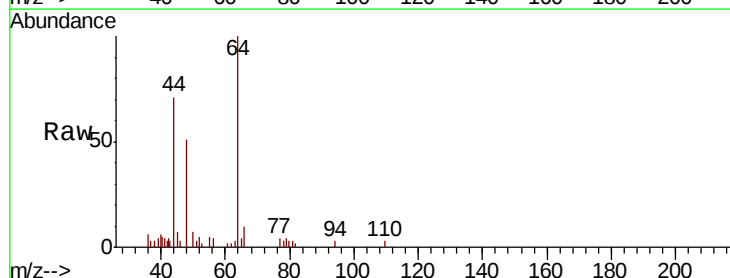
Tot Ion: 59 Resp: 4327
 Ion Ratio Lower Upper
 59 100
 57 0.5 8.2 12.4#

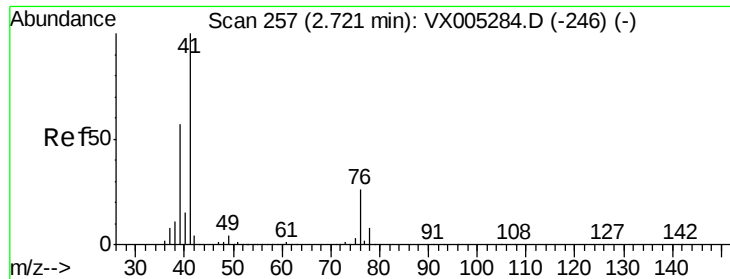


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005340.D
 Acq: 15 Oct 2018 13:41

Tgt Ion: 56 Resp: 114
 Ion Ratio Lower Upper
 56 100
 55 71.9 54.7 82.1

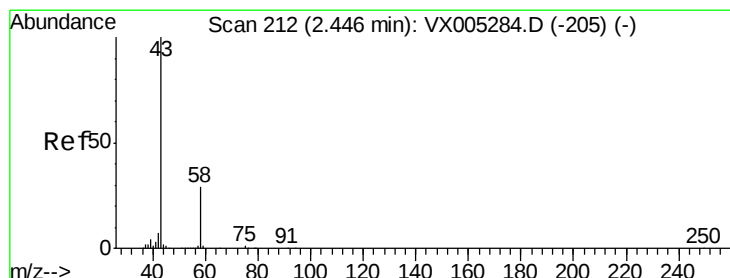
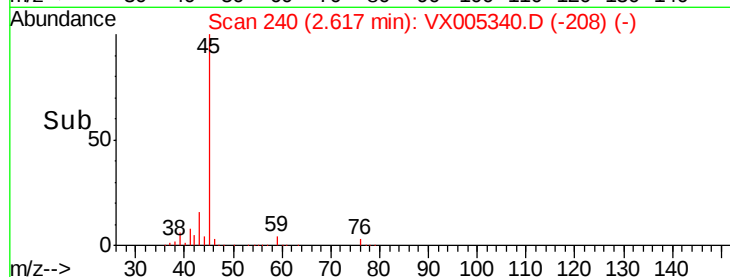
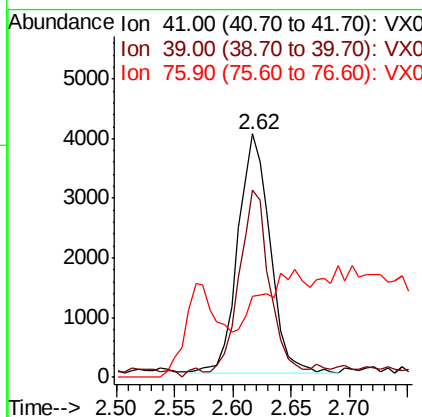
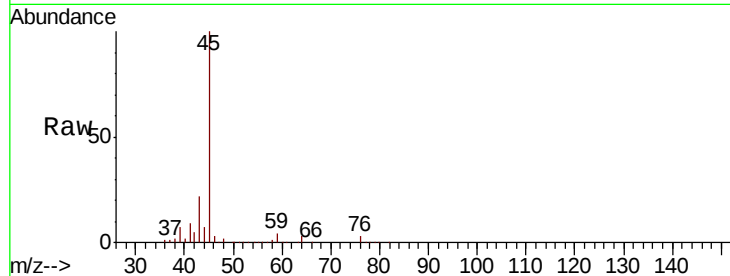




#14
 Allvl chloride
 Concen: 1.501 ug/l
 RT: 2.62 min Scan# 240
 Delta R.T. -0.10 min
 Lab File: VX005340.D
 Acq: 15 Oct 2018 13:41

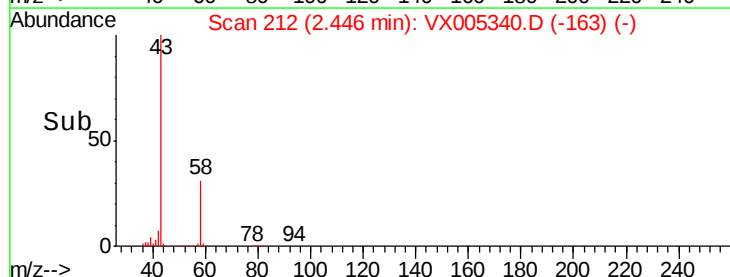
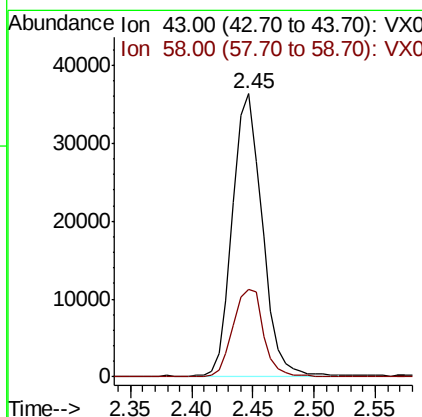
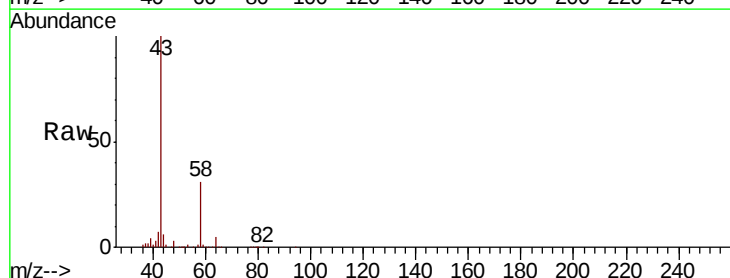
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

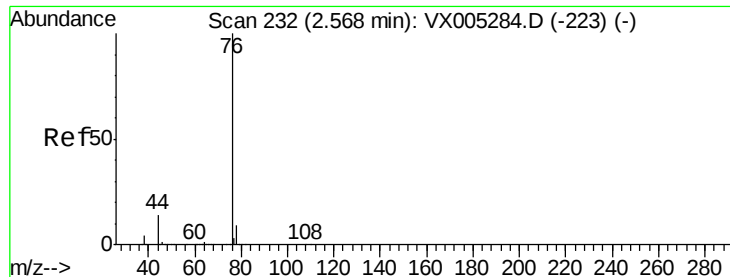
Tot Ion: 41 Resp: 7767
 Ion Ratio Lower Upper
 41 100
 39 69.5 48.9 73.3
 76 0.0 26.7 40.1#



#16
 Acetone
 Concen: 35.386 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX005340.D
 Acq: 15 Oct 2018 13:41

Tgt Ion: 43 Resp: 61109
 Ion Ratio Lower Upper
 43 100
 58 31.2 26.2 39.4

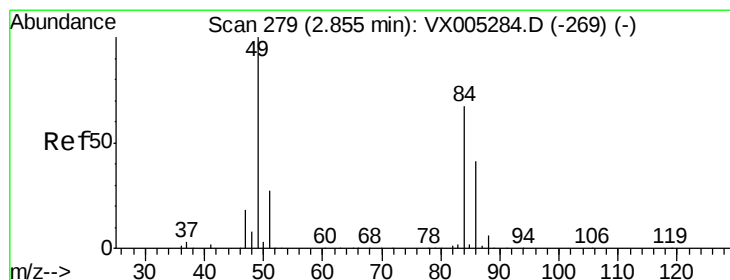
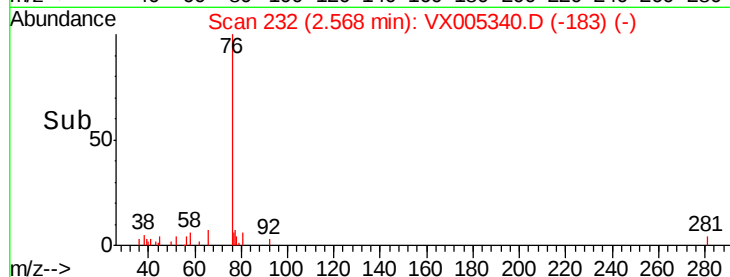
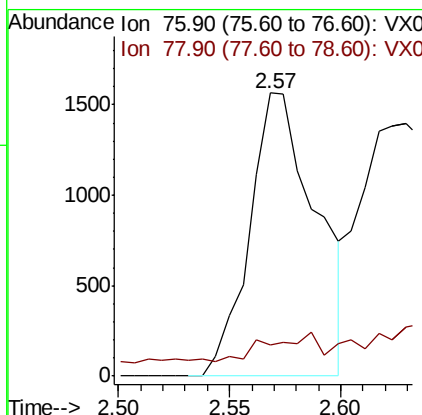
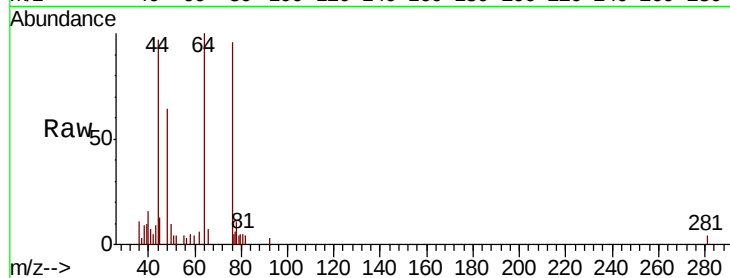




#17
Carbon Disulfide
Concen: 0.455 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

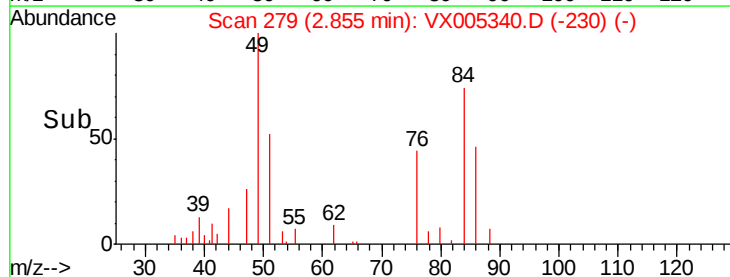
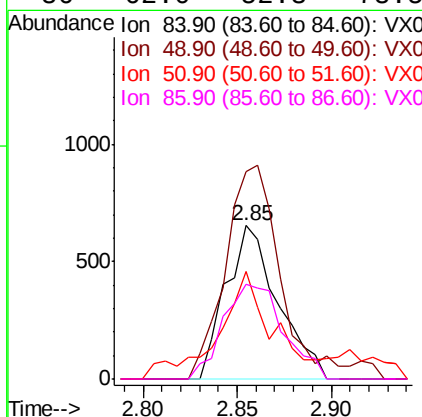
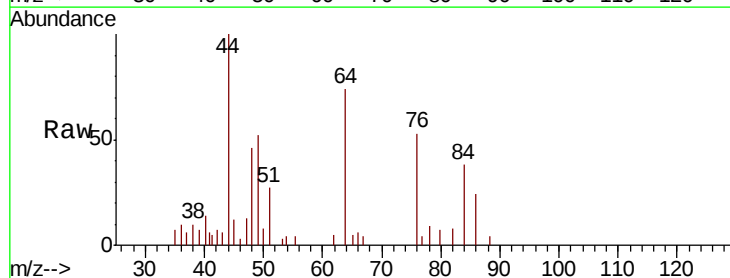
Instrument :
MSVOA_X
ClientSampleId :
MW-1

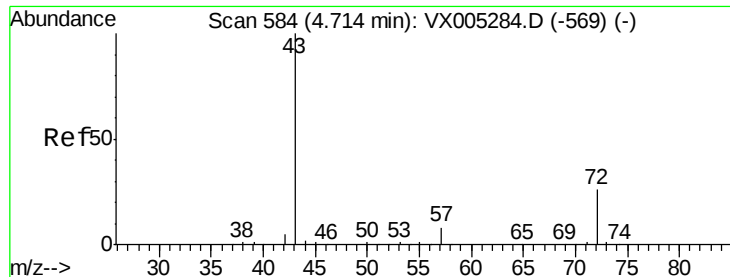
Tot Ion: 76 Resp: 3246
Ion Ratio Lower Upper
76 100
78 5.5 7.0 10.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

Tgt Ion: 84 Resp: 1247
Ion Ratio Lower Upper
84 100
49 135.1 101.2 151.8
51 55.8 29.5 44.3#
86 62.0 52.3 78.5





#25

2-Butanone

Concen: 8.458 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

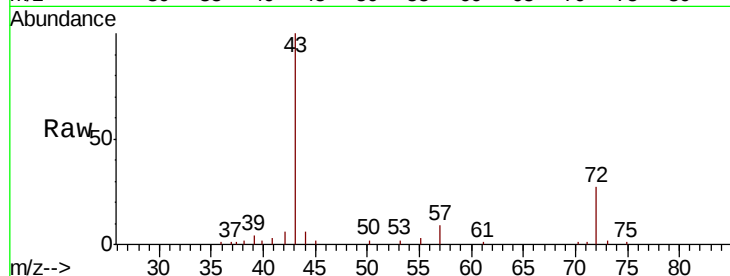
MW-1

Tot Ion: 43 Resp: 21372

Ion Ratio Lower Upper

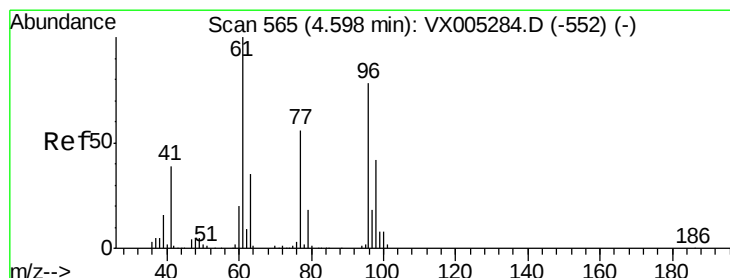
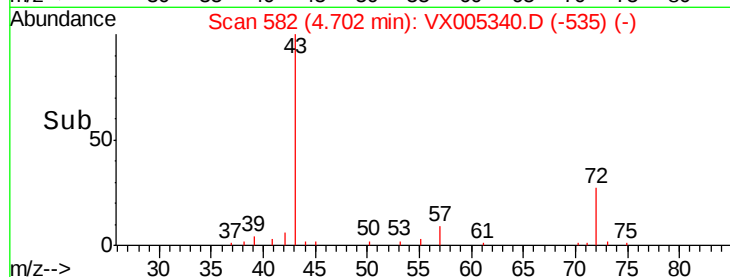
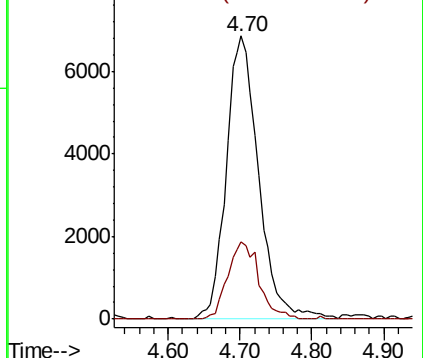
43 100

72 27.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.565 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

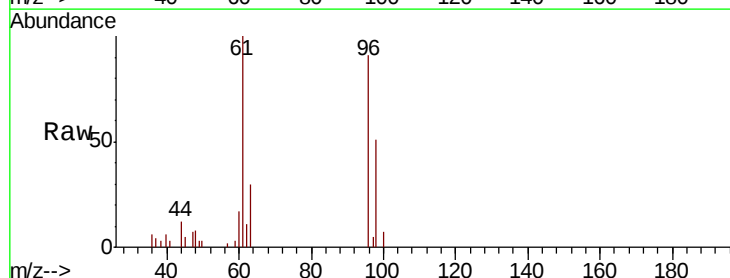
Tgt Ion: 96 Resp: 4443

Ion Ratio Lower Upper

96 100

61 157.1 0.0 282.6

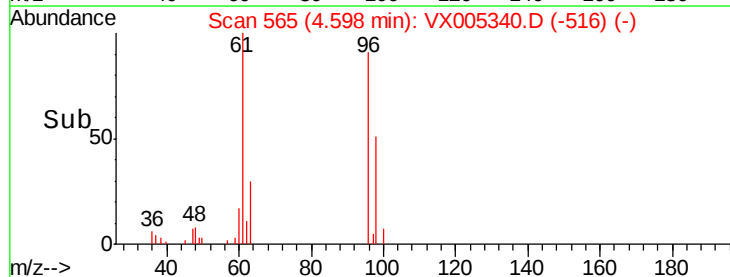
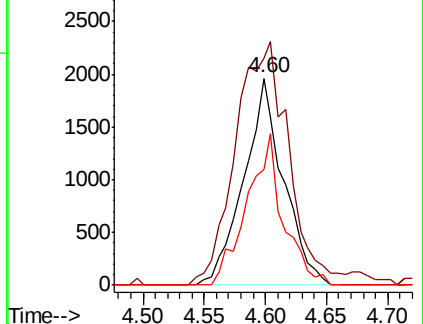
98 66.8 0.0 130.2

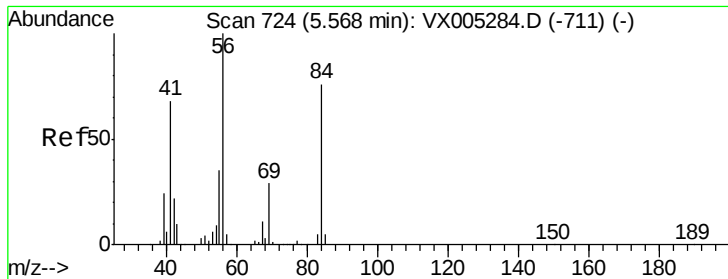


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampled :

MW-1

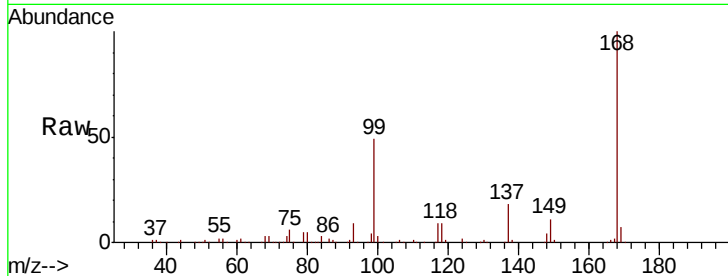
Tot Ion: 56 Resp: 4639

Ion Ratio Lower Upper

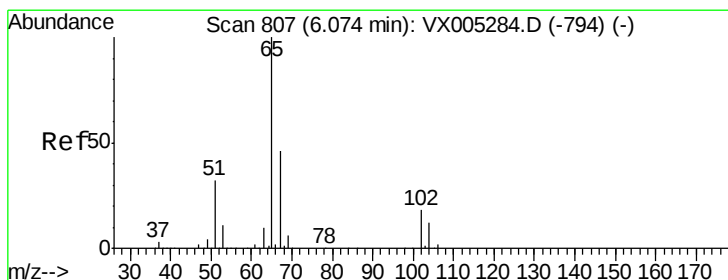
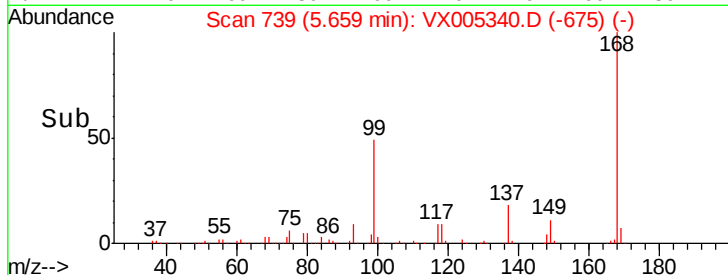
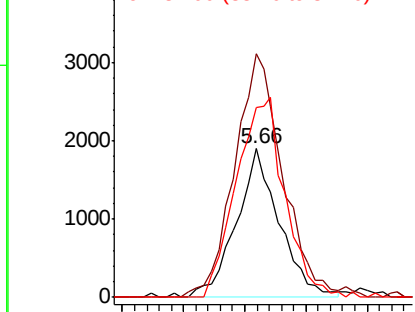
56 100

69 160.2 25.4 38.2#

84 127.7 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: 52.731 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005340.D

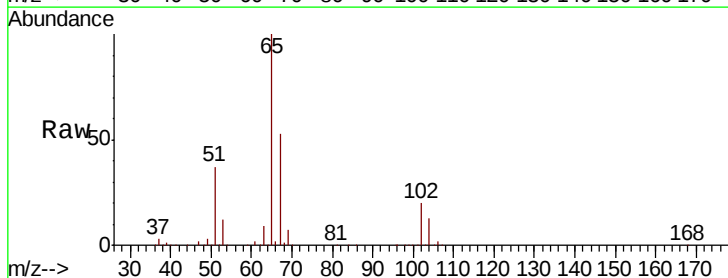
Acq: 15 Oct 2018 13:41

Tgt Ion: 65 Resp: 157496

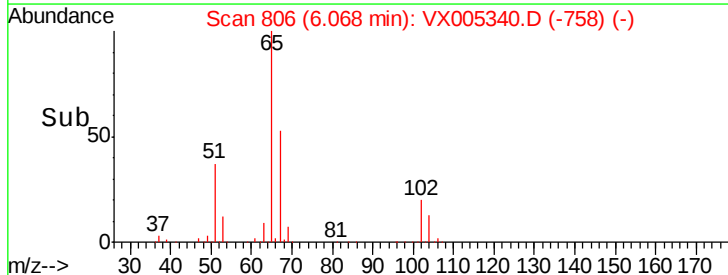
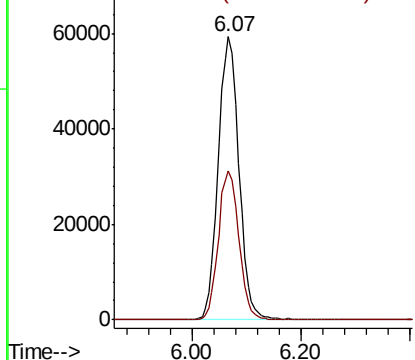
Ion Ratio Lower Upper

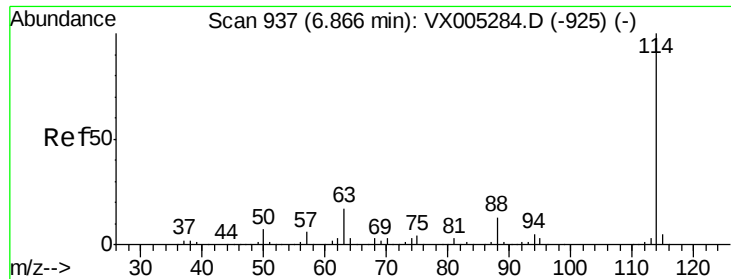
65 100

67 52.2 0.0 106.8



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

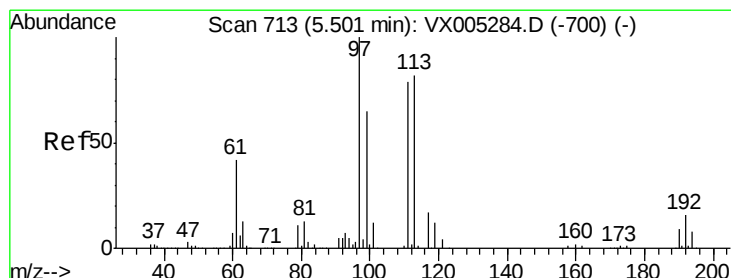
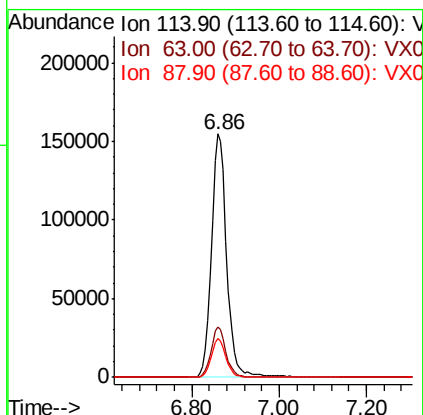
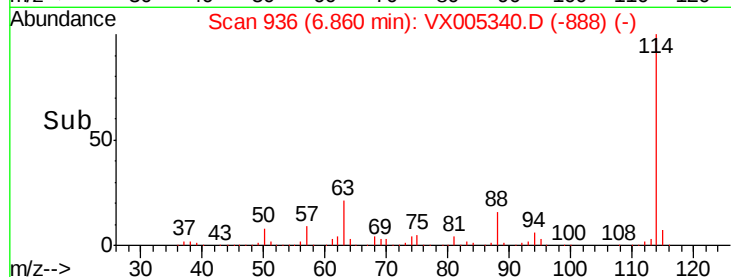
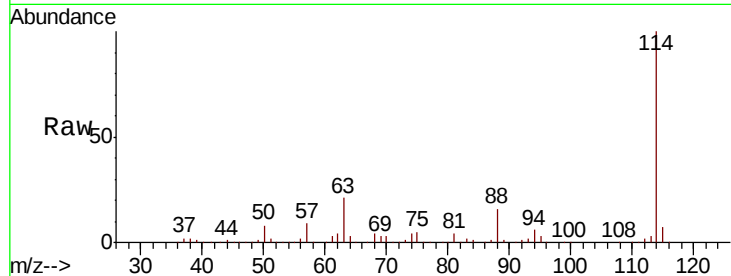




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

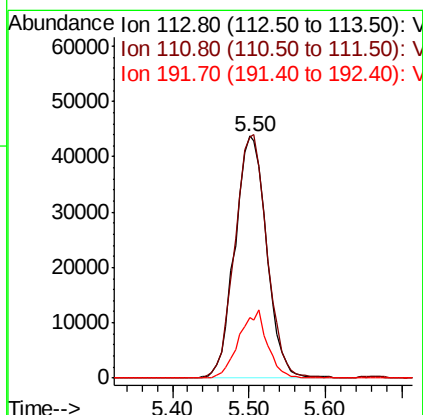
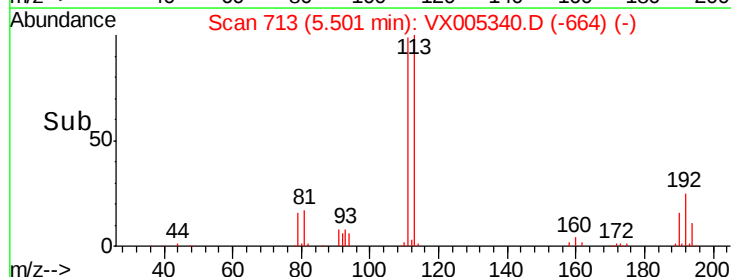
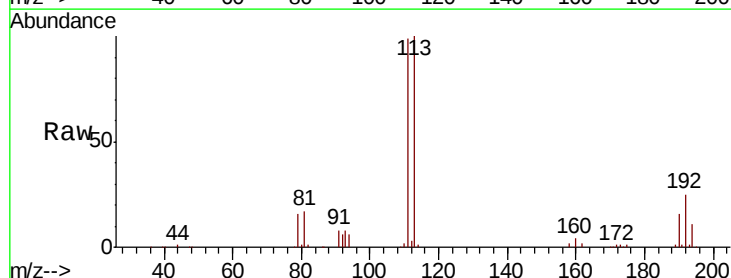
Instrument :
MSVOA_X
ClientSampleId :
MW-1

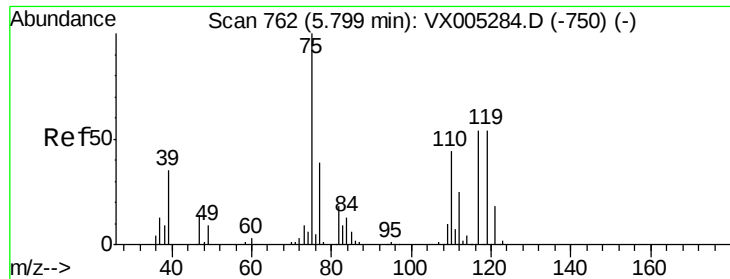
Tot Ion:114 Resp: 380254
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.0
88 16.0 0.0 30.4



#35
Dibromofluoromethane
Concen: 49.933 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

Tgt Ion:113 Resp: 125756
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 25.1 19.4 29.2





#36

1,1-Dichloropropene

Concen: 4.946 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

MW-1

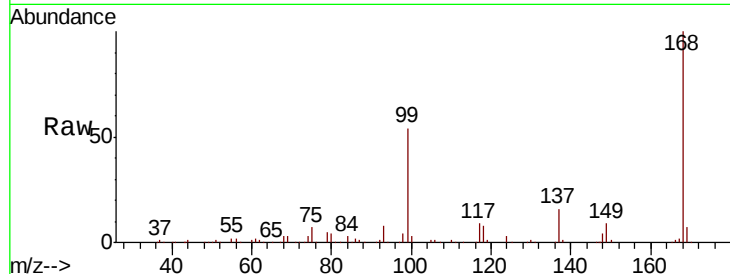
Tot Ion: 75 Resp: 18215

Ion Ratio Lower Upper

75 100

110 10.2 18.0 54.0#

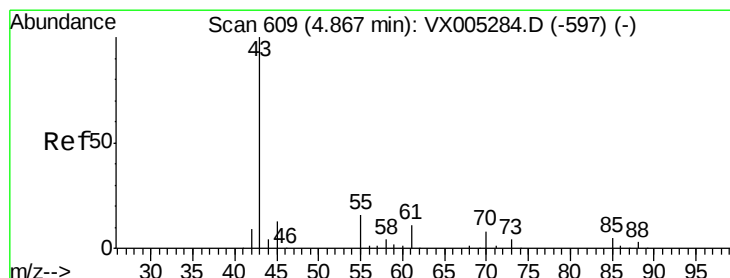
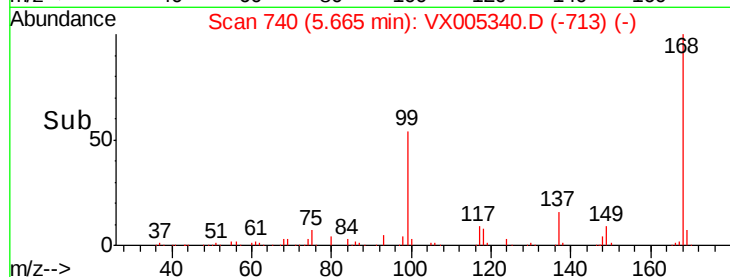
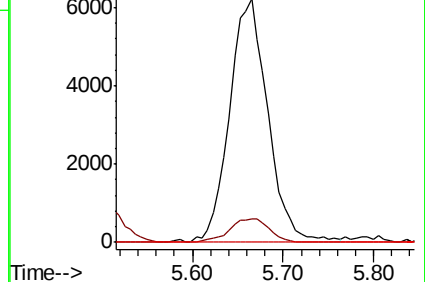
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 4.513 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.16 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

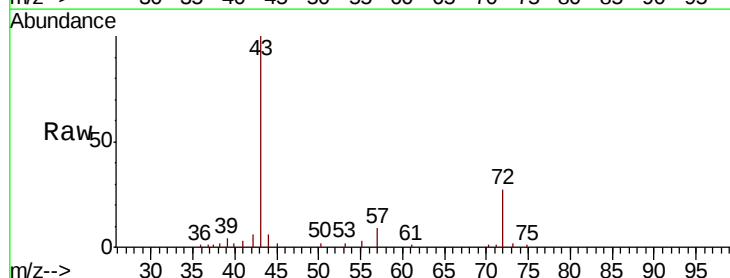
Tgt Ion: 43 Resp: 21372

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

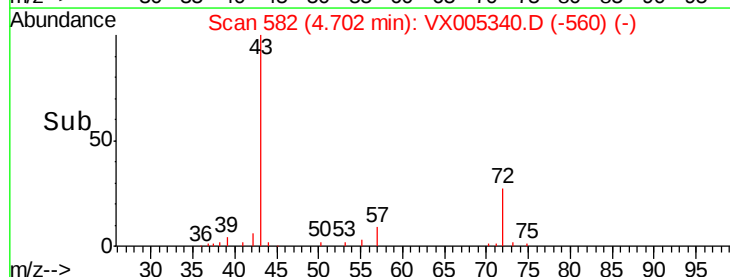
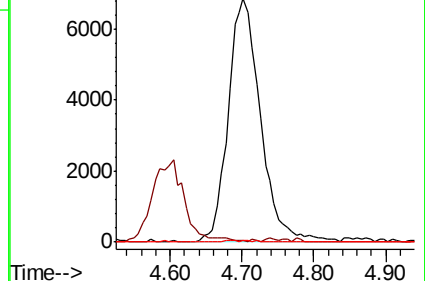
70 0.3 9.0 13.6#

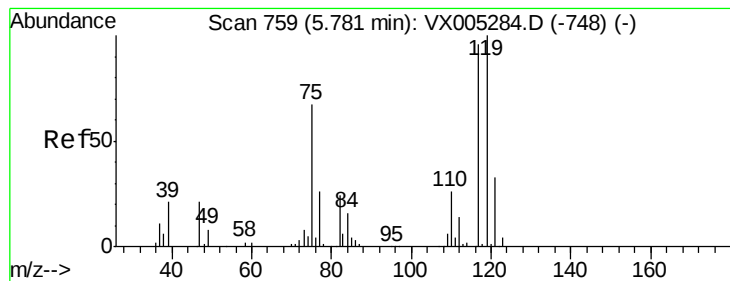


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.508 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

MW-1

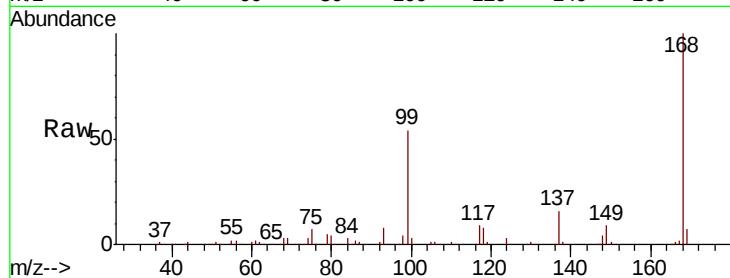
Tot Ion:117 Resp: 24082

Ion Ratio Lower Upper

117 100

119 6.3 78.8 118.2#

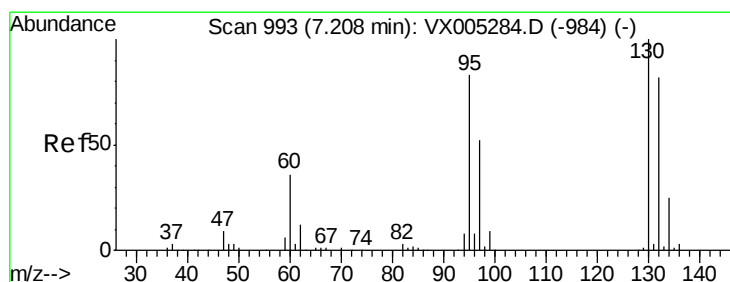
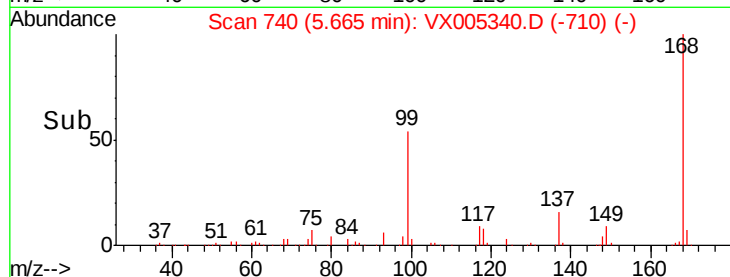
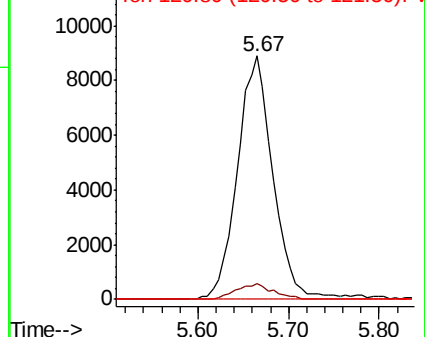
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005340.D

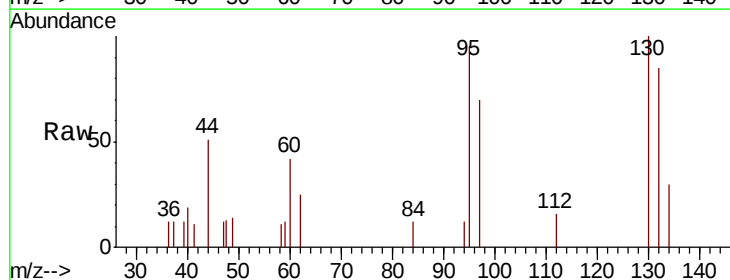
Acq: 15 Oct 2018 13:41

Tgt Ion:130 Resp: 1089

Ion Ratio Lower Upper

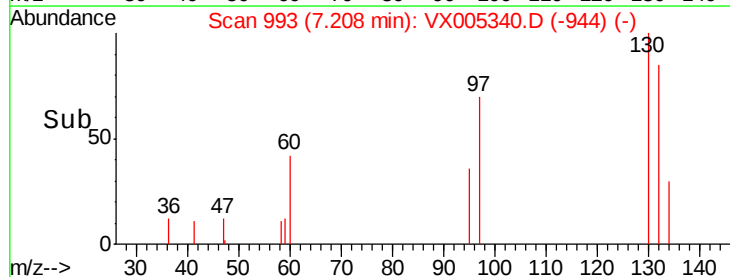
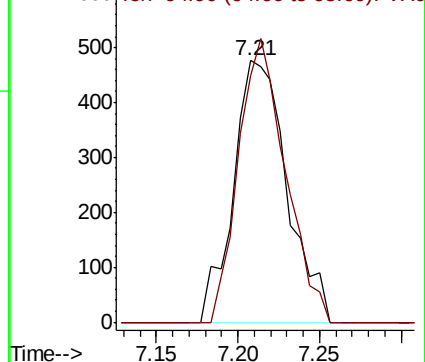
130 100

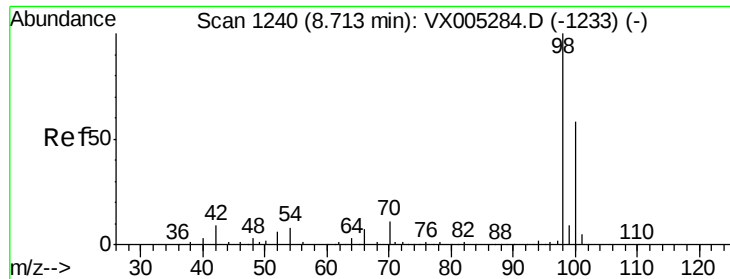
95 94.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

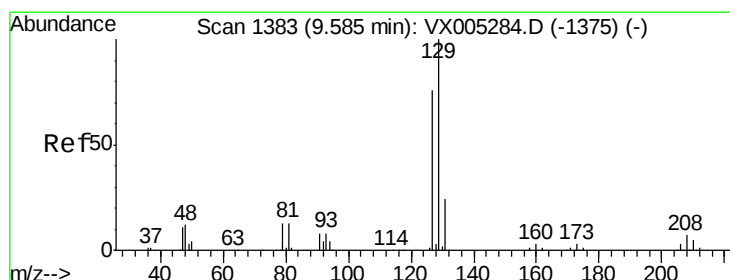
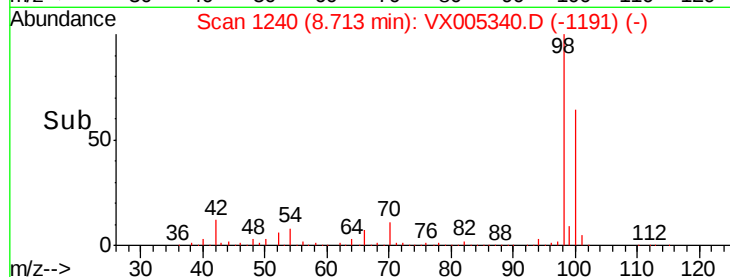
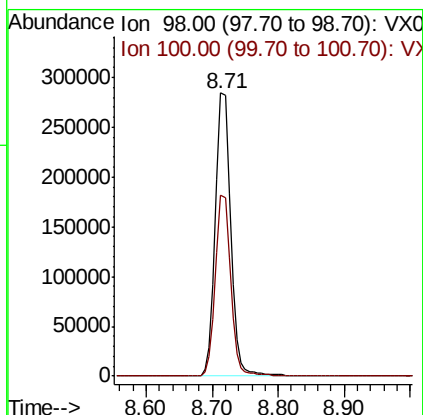
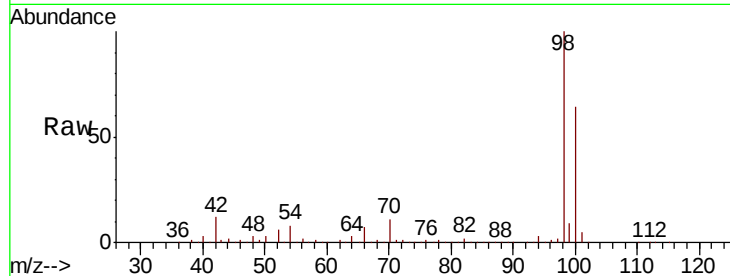




#50
Toluene-d8
Concen: 52.939 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

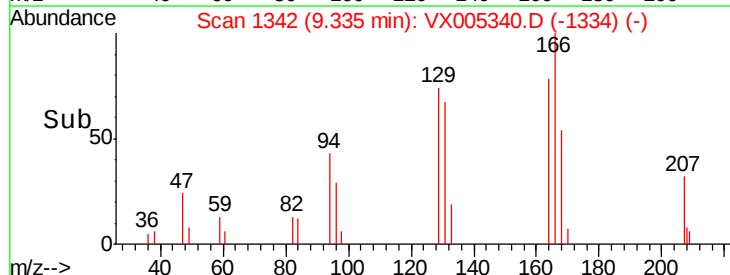
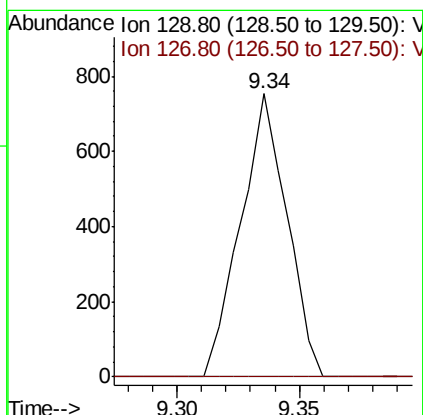
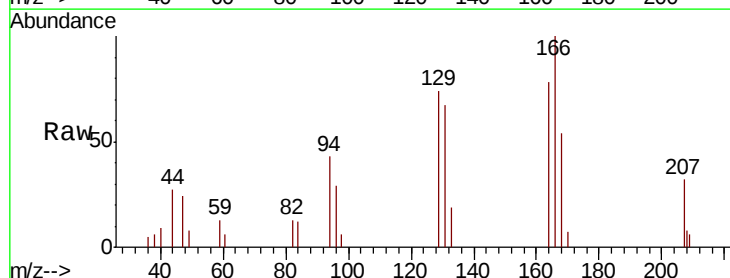
Instrument :
MSVOA_X
ClientSampleId :
MW-1

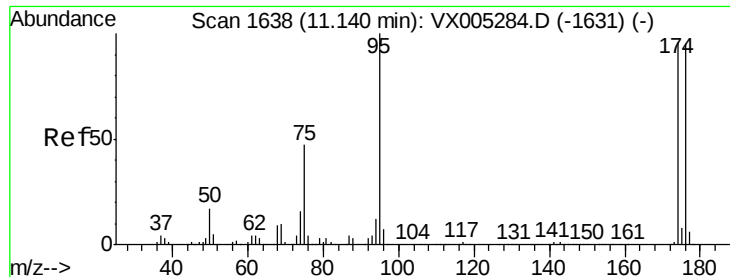
Tot Ion: 98 Resp: 457726
Ion Ratio Lower Upper
98 100
100 63.6 52.9 79.3



#60
Dibromochloromethane
Concen: 0.375 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

Tgt Ion: 129 Resp: 992
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 46.194 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

MW-1

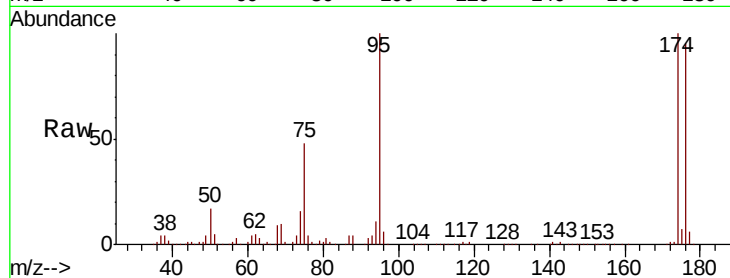
Tot Ion: 95 Resp: 150041

Ion Ratio Lower Upper

95 100

174 97.8 0.0 185.2

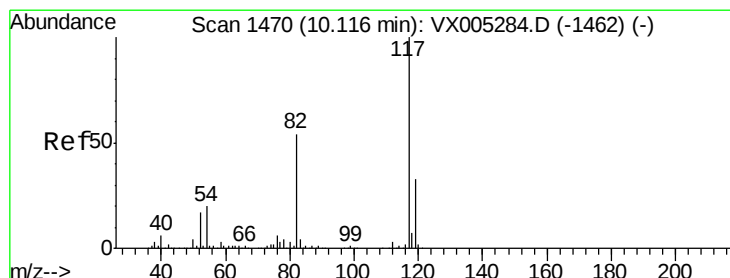
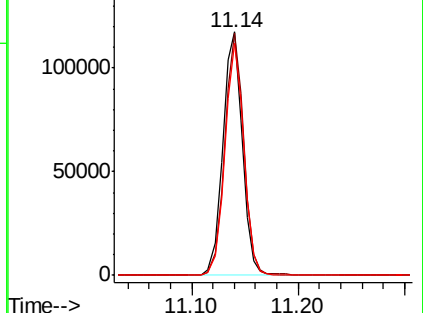
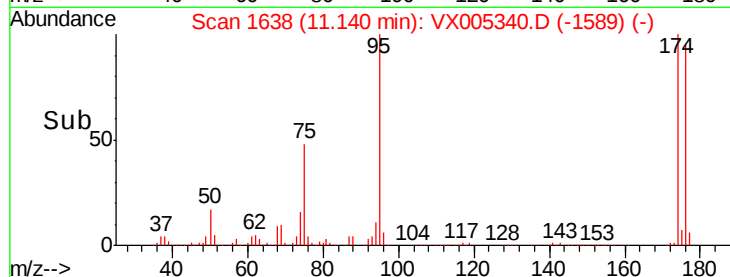
176 93.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005340.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005340.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005340.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

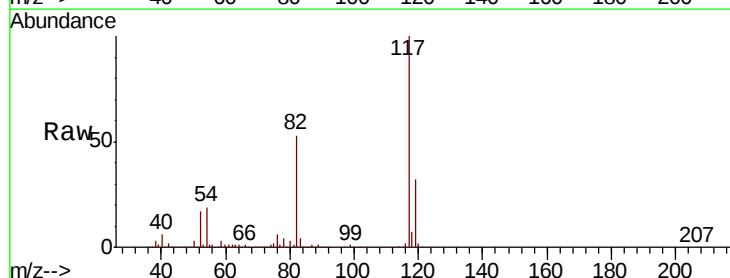
Tgt Ion: 117 Resp: 346258

Ion Ratio Lower Upper

117 100

82 52.7 47.8 71.6

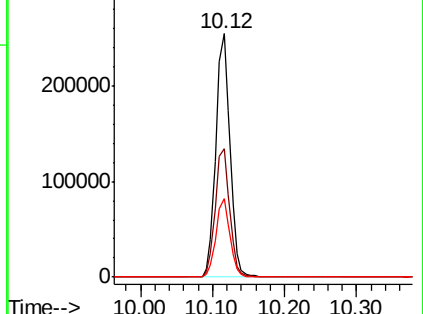
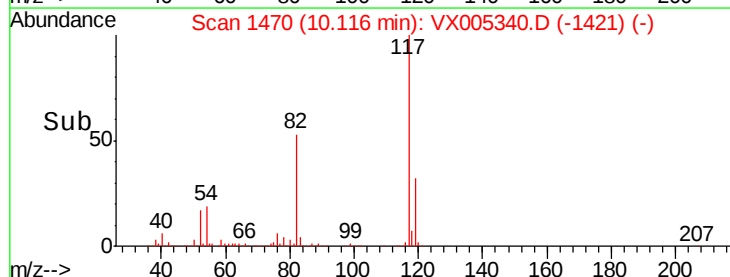
119 32.2 29.3 43.9

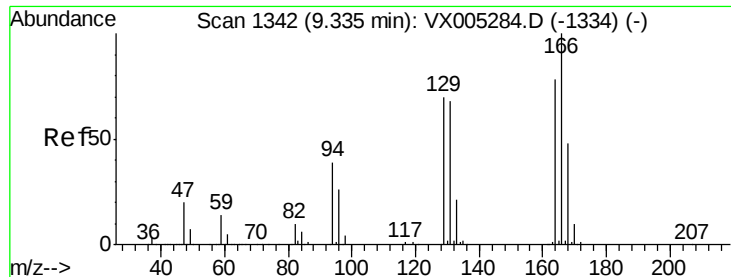


Abundance Ion 116.90 (116.60 to 117.60): VX005340.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005340.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005340.D (-1421) (-)

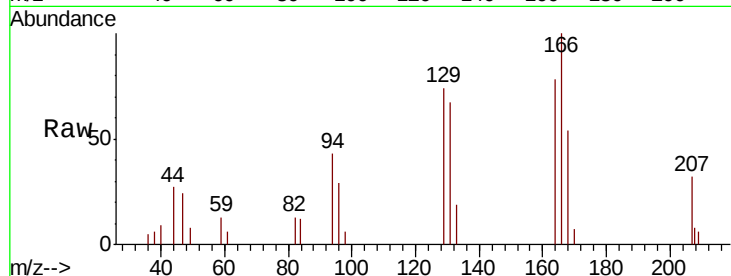




#64
Tetrachloroethene
Concen: 0.432 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005340.D
Acq: 15 Oct 2018 13:41

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.8	154.2
129	93.8	69.4	104.0
131	85.8	67.9	101.9



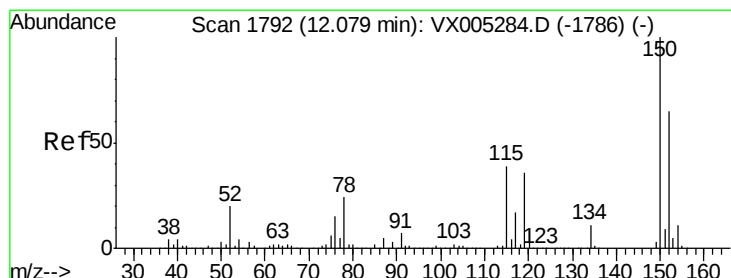
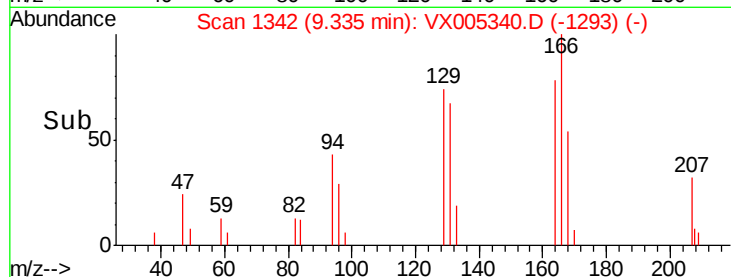
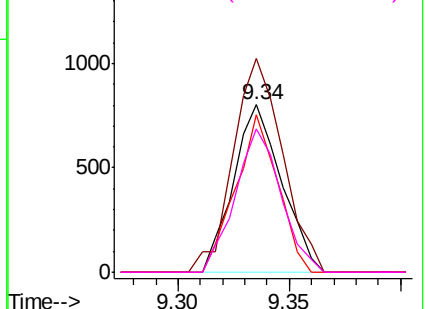
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

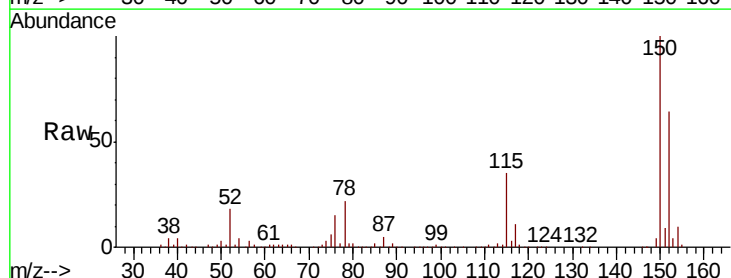
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX005340.D
Acq: 15 Oct 2018 13:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	39.0	117.0
150	157.1	0.0	351.0

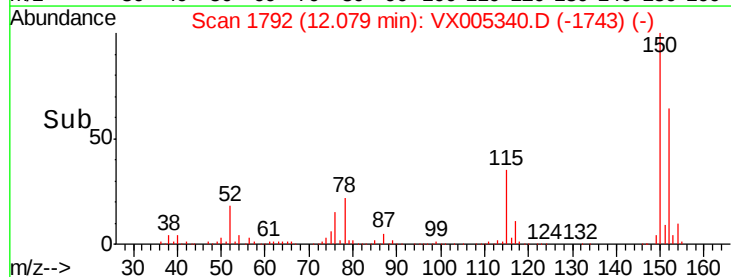
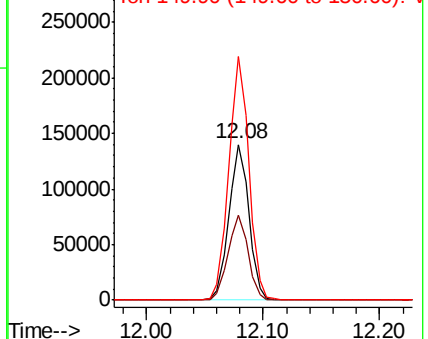


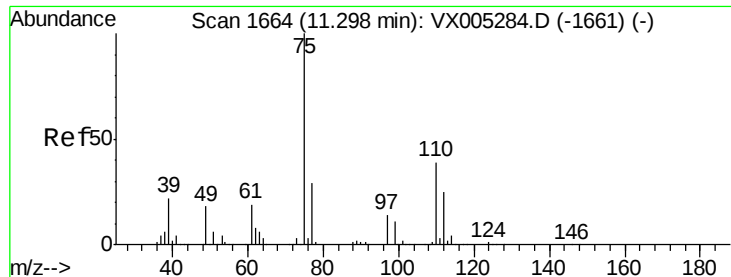
Abundance

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: 22.684 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

Instrument :

MSVOA_X

ClientSampleId :

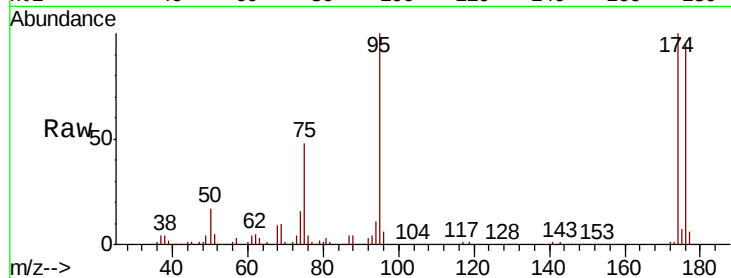
MW-1

Tot Ion: 75 Resp: 73582

Ion Ratio Lower Upper

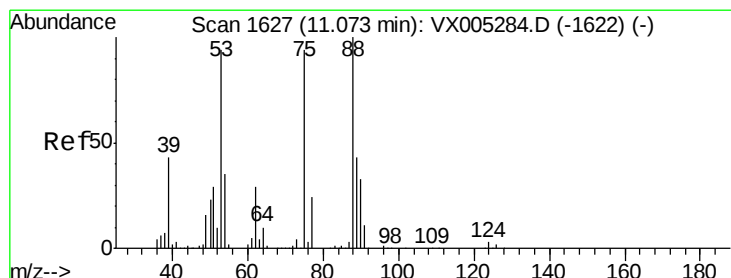
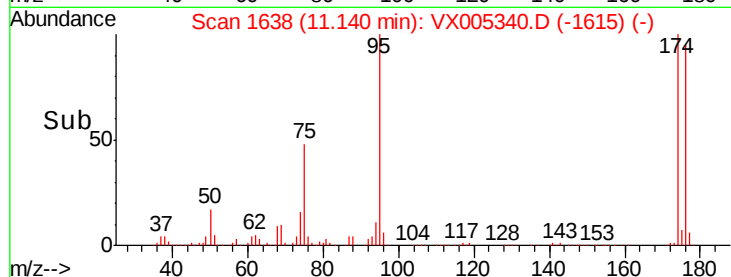
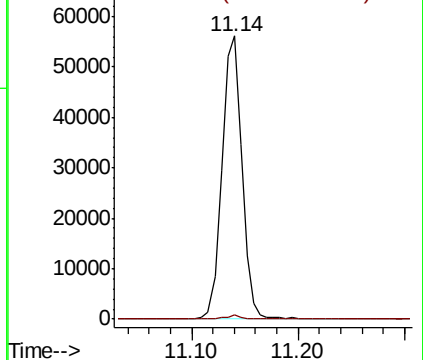
75 100

77 1.1 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: 68.926 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005340.D

Acq: 15 Oct 2018 13:41

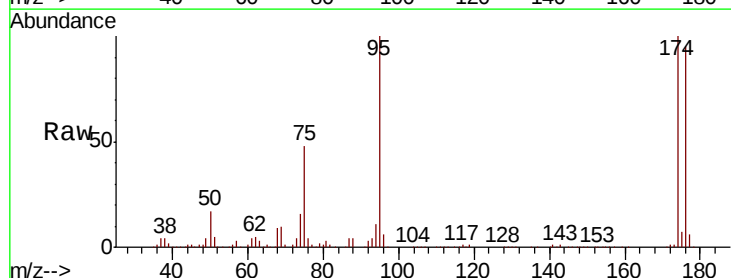
Tgt Ion: 75 Resp: 73582

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

