

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018496.D
 Acq On : 18 Sep 2020 16:40
 Operator : JC/SP
 Sample : L4087-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Sep 19 01:57:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	574768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	923077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	868664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	436798	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	382571	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	5.47	113	305384	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.70	98	1116003	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.12	95	431114	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

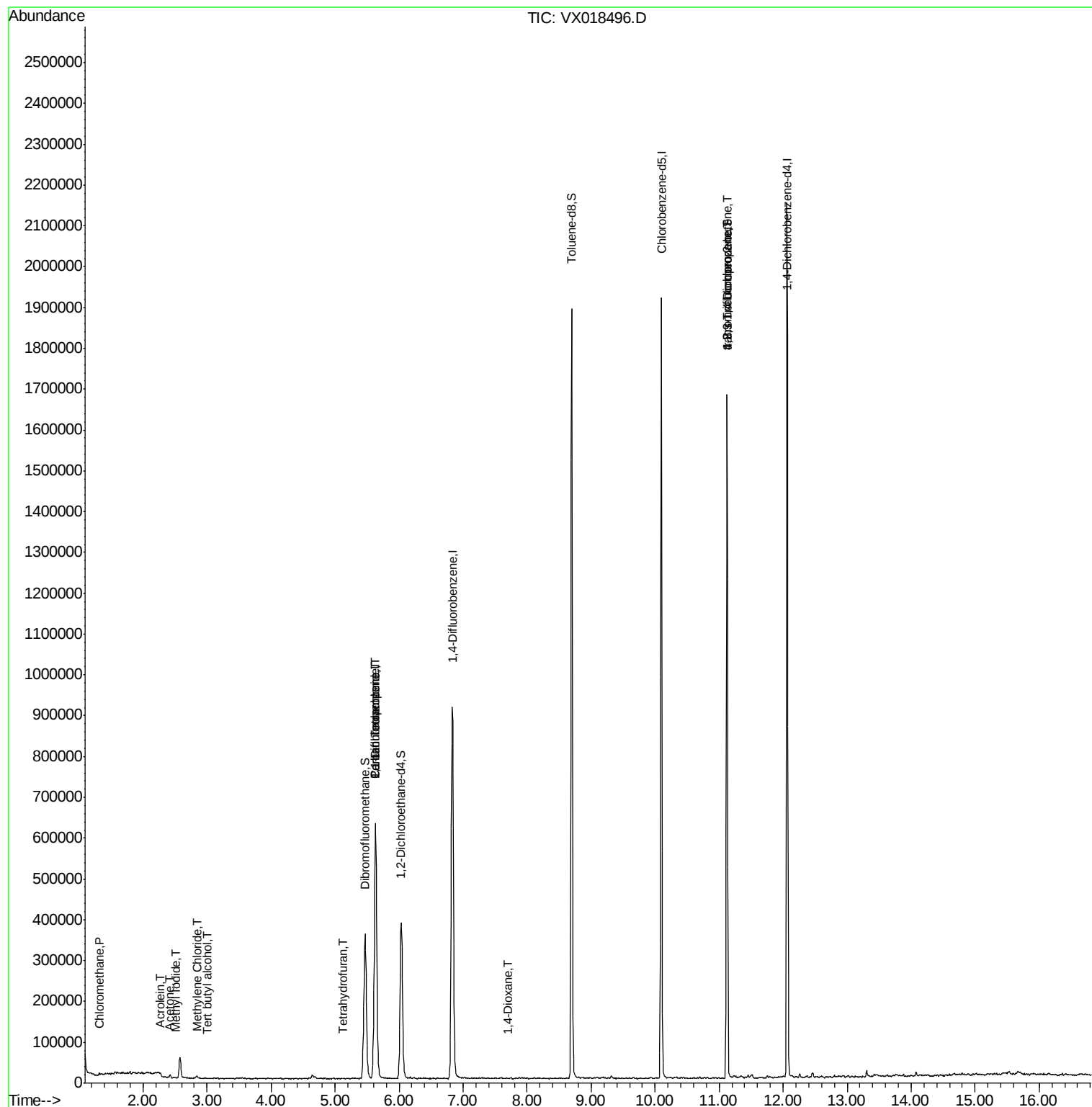
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3003	0.471	ug/l #	79
10) Methyl Iodide	2.51	142	801	5.020	ug/l	99
11) Tert butyl alcohol	3.01	59	676	0.478	ug/l #	51
13) Acrolein	2.26	56	1569	1.751	ug/l #	53
16) Acetone	2.42	43	6078	1.955	ug/l #	78
20) Methylene Chloride	2.84	84	2524	0.368	ug/l	89
29) Tetrahydrofuran	5.13	42	813	0.266	ug/l	95
36) 1,1-Dichloropropene	5.64	75	44399	4.956	ug/l #	51
38) Carbon Tetrachloride	5.64	117	57415	5.786	ug/l #	19
49) 1,4-Dioxane	7.70	88	322	2.522	ug/l #	21
76) 1,2,3-Trichloropropane	11.12	75	220164	23.986	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	220164	61.463	ug/l #	12

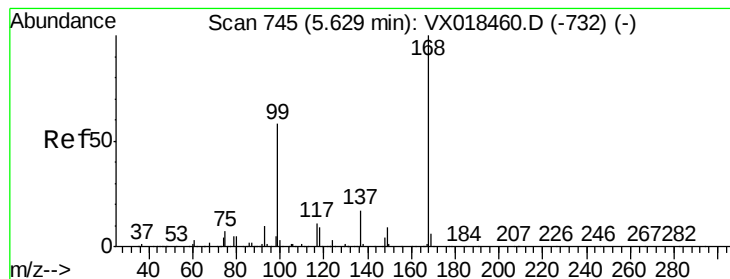
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

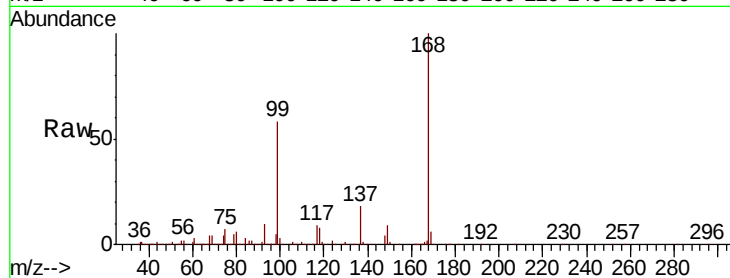
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 574768

Ion Ratio Lower Upper

168 100

99 58.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

100000

50000

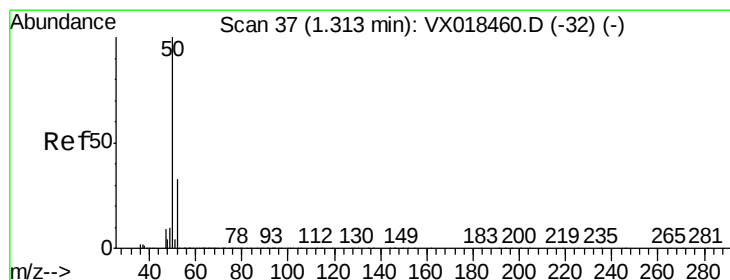
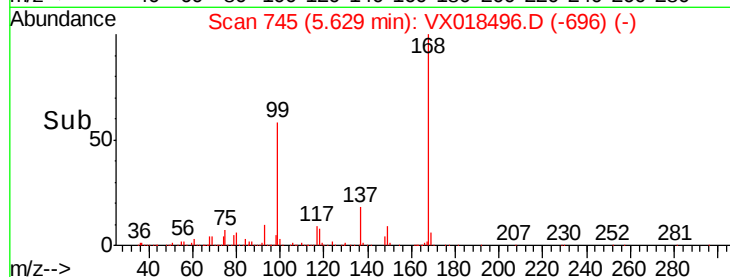
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Time-->

5.50

5.60

5.70



#3

Chloromethane

Concen: 0.471 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018496.D

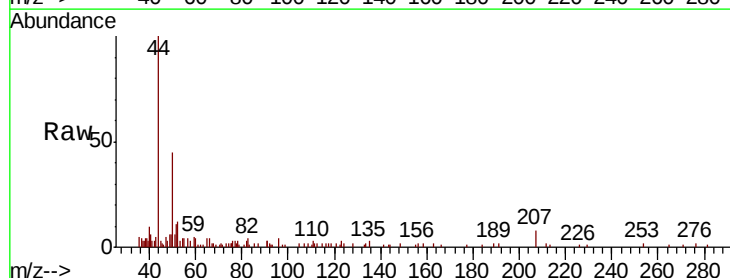
Acq: 18 Sep 2020 16:40

Tgt Ion: 50 Resp: 3003

Ion Ratio Lower Upper

50 100

52 45.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2500

2000

1500

1000

500

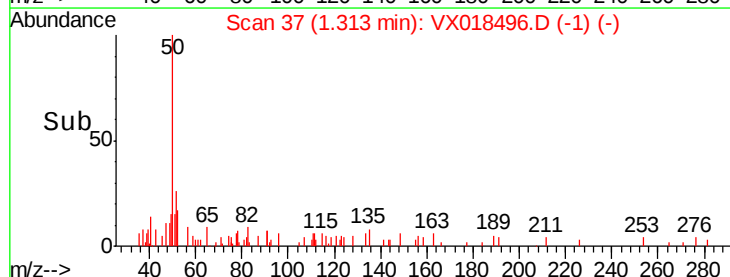
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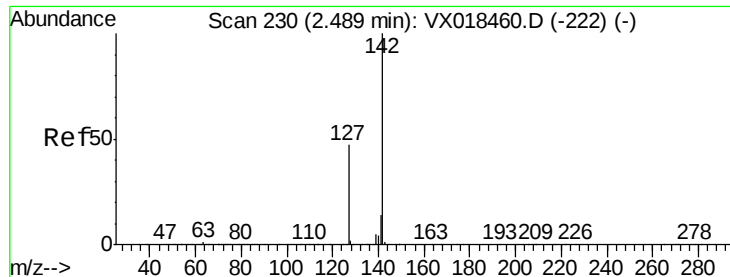
Time-->

1.25

1.30

1.35

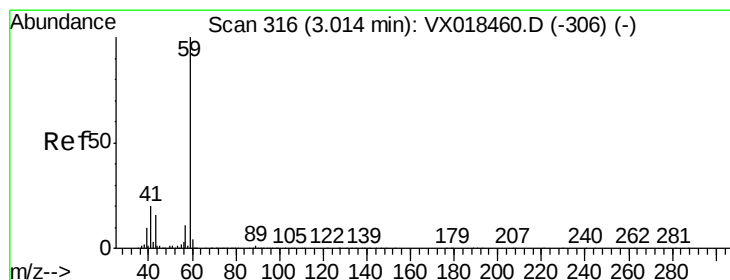
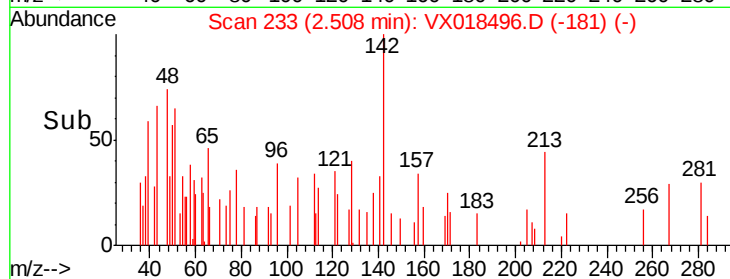
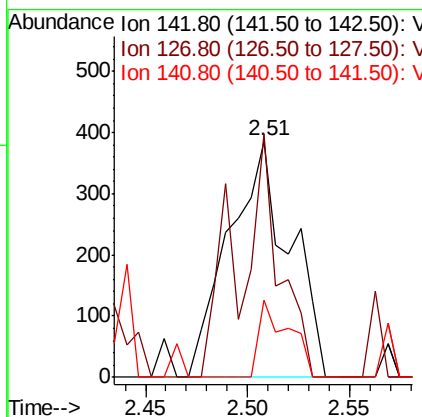
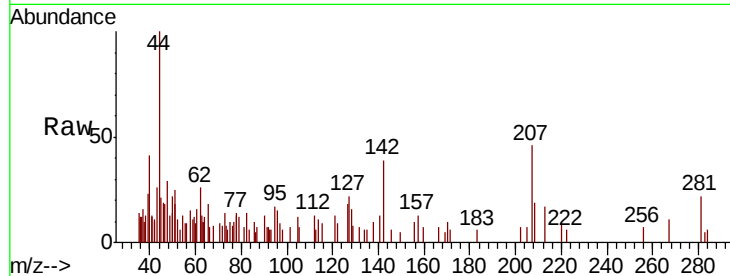




#10
Methyl Iodide
Concen: 5.020 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

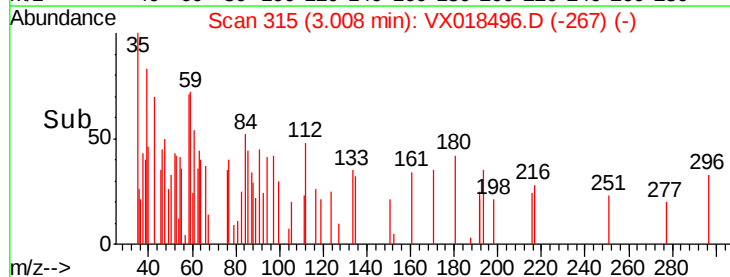
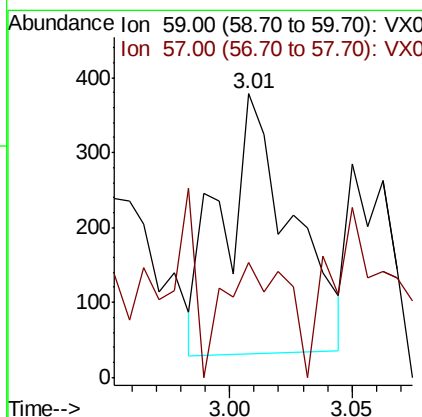
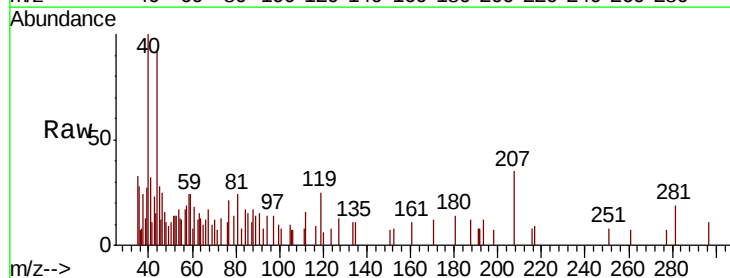
Instrument :
MSVOA_X
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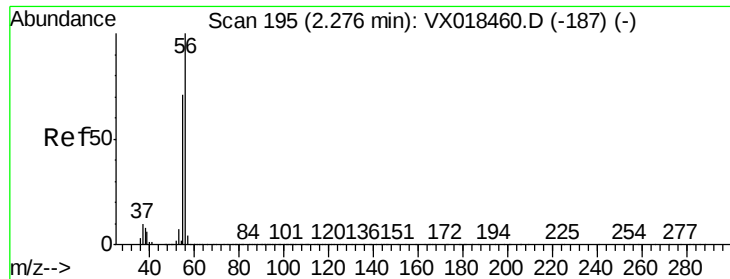
Tot Ion:142 Resp: 801
Ion Ratio Lower Upper
142 100
127 45.2 36.0 54.0
141 16.1 11.9 17.9



#11
Tert butyl alcohol
Concen: 0.478 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

Tgt Ion: 59 Resp: 676
Ion Ratio Lower Upper
59 100
57 28.6 8.2 12.4#

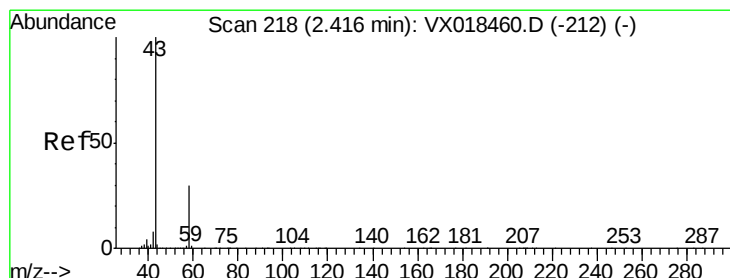
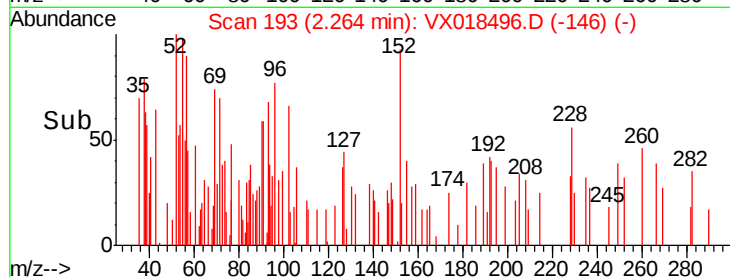
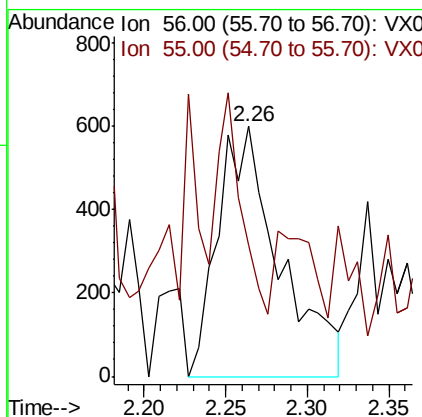
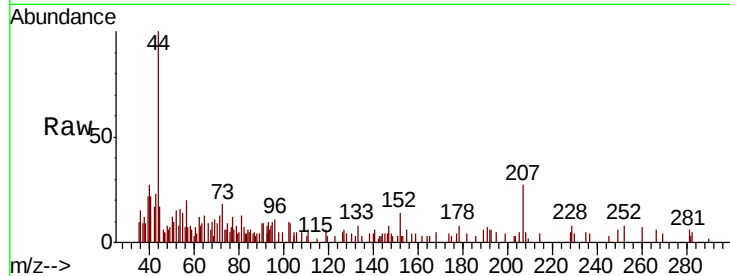




#13
Acrolein
Concen: 1.751 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

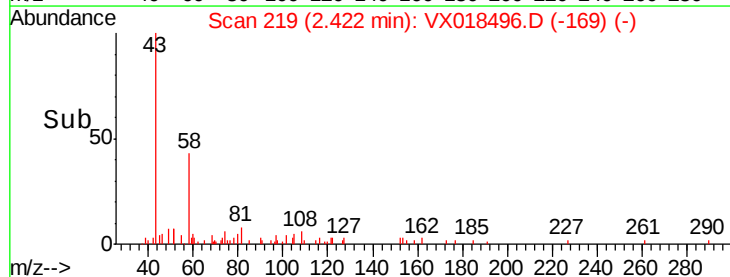
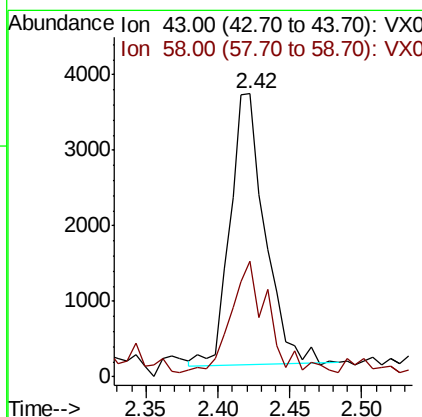
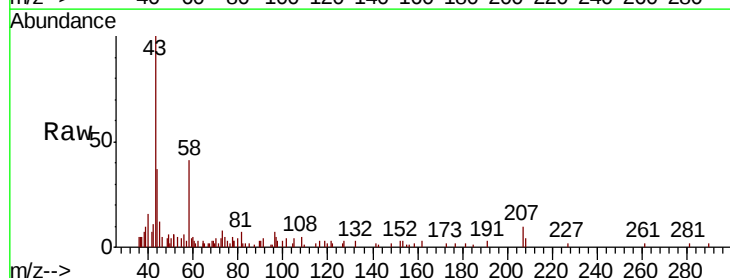
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

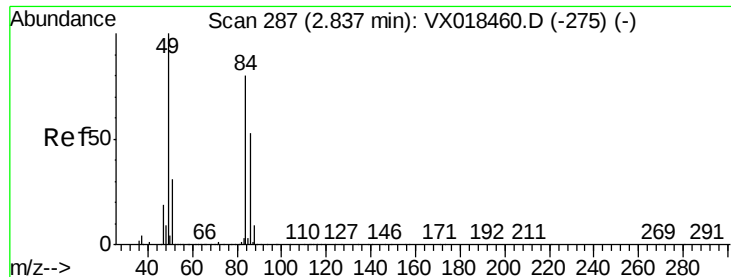
Tot Ion: 56 Resp: 1569
Ion Ratio Lower Upper
56 100
55 33.0 58.2 87.4#



#16
Acetone
Concen: 1.955 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

Tgt Ion: 43 Resp: 6078
Ion Ratio Lower Upper
43 100
58 41.7 24.0 36.0#

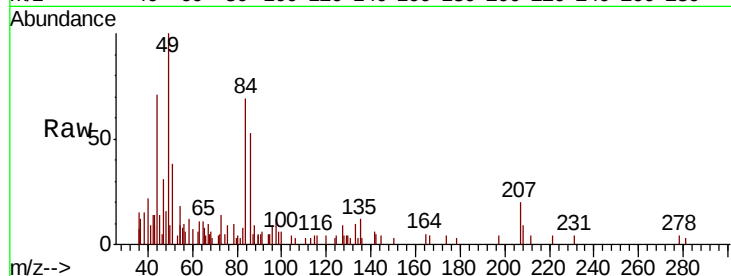




#20
Methvlene Chloride
Concen: 0.368 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:	84	Resp:	2524
Ion	Ratio	Lower	Upper
84	100		
49	145.7	100.6	151.0
51	41.0	30.9	46.3
86	63.4	53.5	80.3



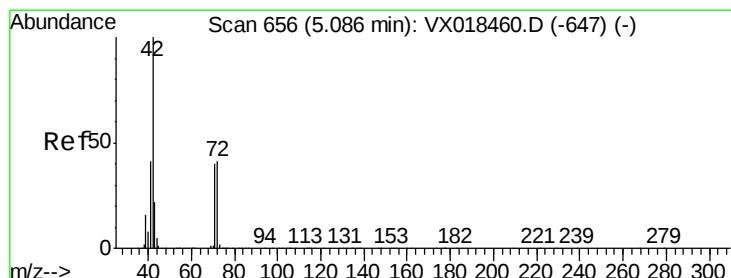
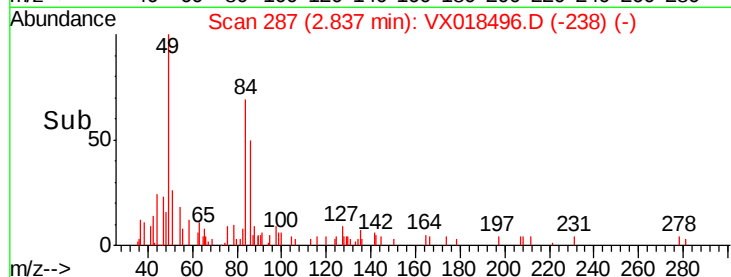
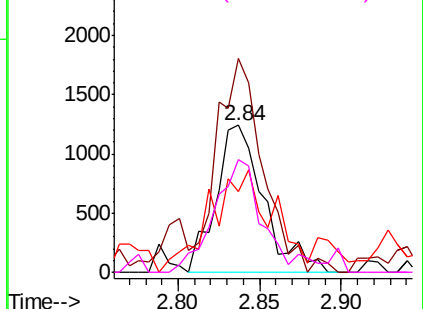
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

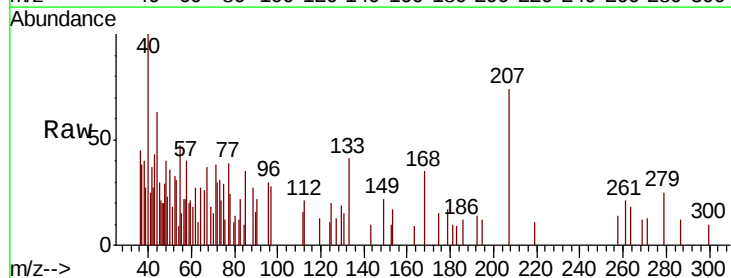
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29
Tetrahydrofuran
Concen: 0.266 ug/l
RT: 5.13 min Scan# 663
Delta R.T. 0.04 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

Tgt Ion:	42	Resp:	813
Ion	Ratio	Lower	Upper
42	100		
72	47.4	34.3	51.5
71	41.7	32.1	48.1

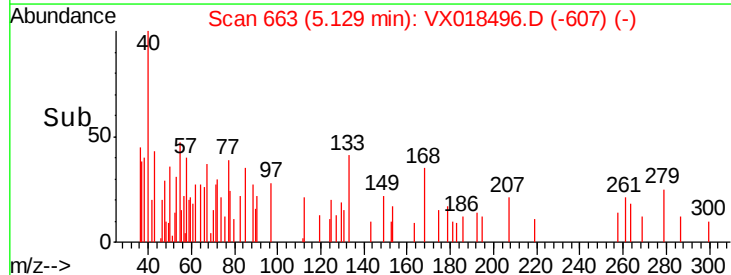
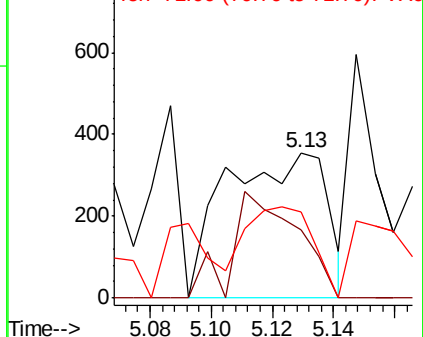


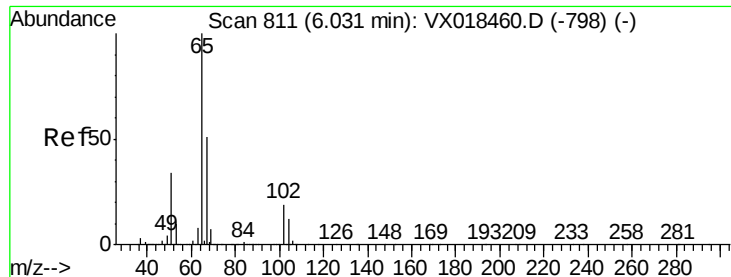
Abundance

Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

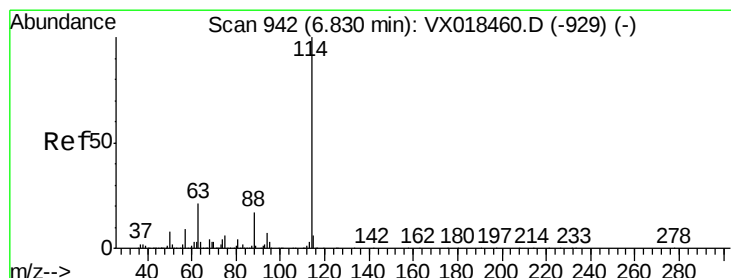
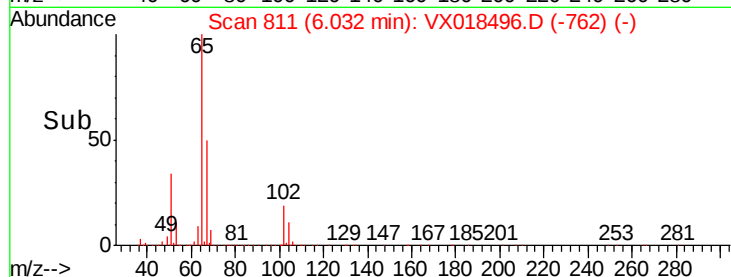
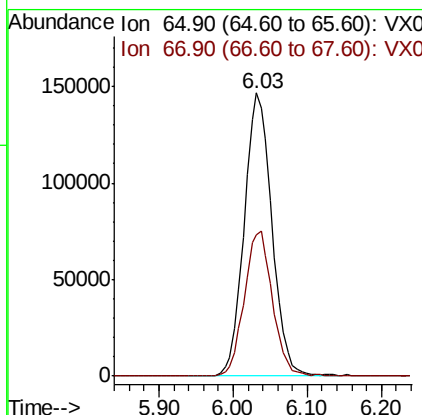
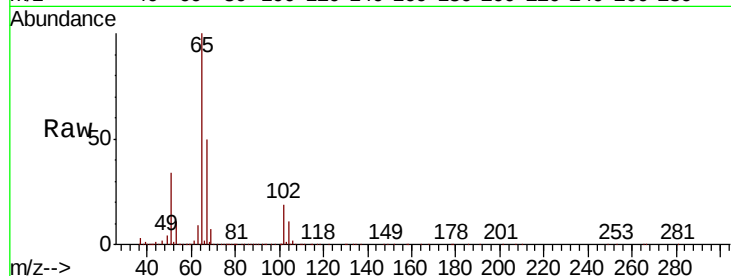




#33
 1,2-Dichloroethane-d4
 Concen: 47.051 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018496.D
 Acq: 18 Sep 2020 16:40

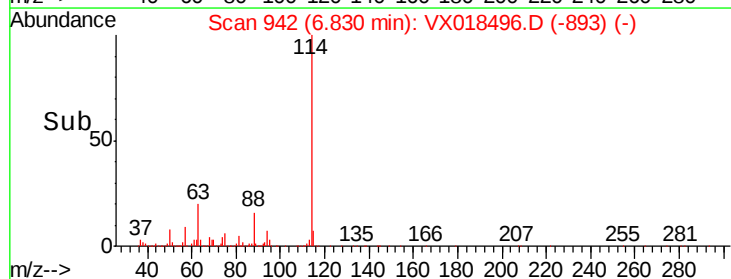
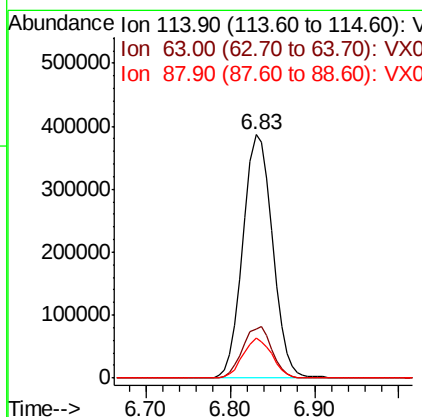
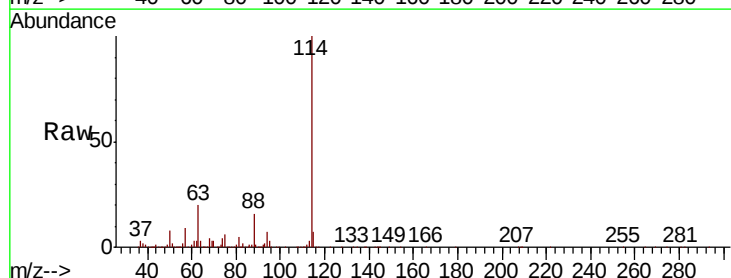
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

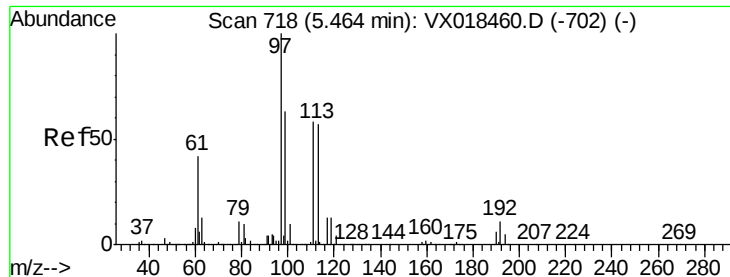
Tot Ion: 65 Resp: 382571
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018496.D
 Acq: 18 Sep 2020 16:40

Tgt Ion: 114 Resp: 923077
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.8
 88 16.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 47.856 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

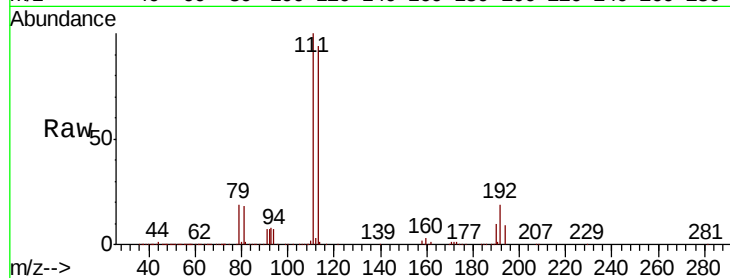
Tot Ion:113 Resp: 305384

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

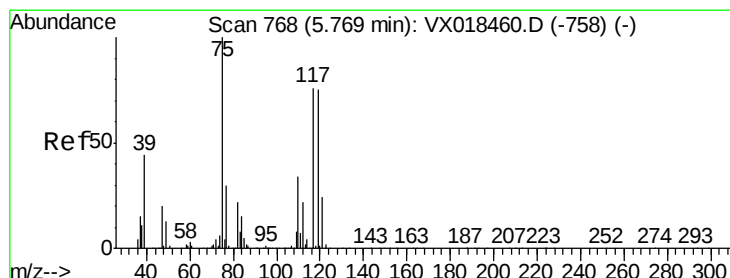
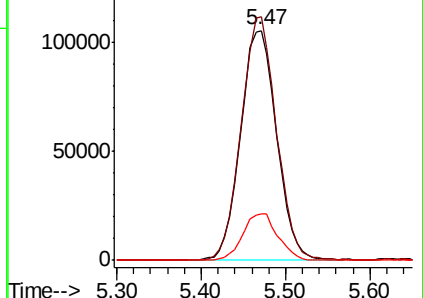
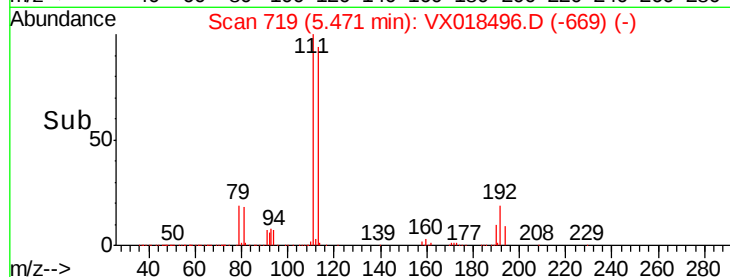
192 20.2 16.6 24.8



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: 4.956 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

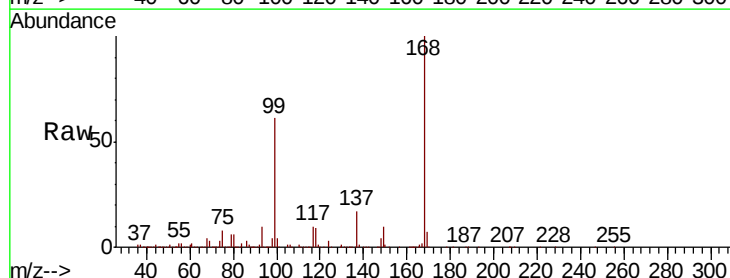
Tgt Ion: 75 Resp: 44399

Ion Ratio Lower Upper

75 100

110 10.0 17.6 52.8#

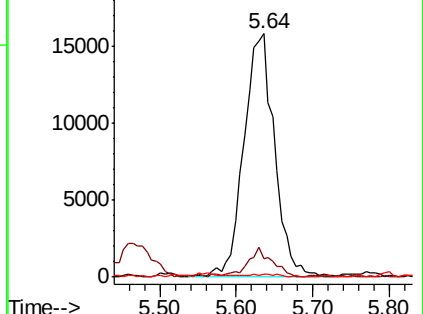
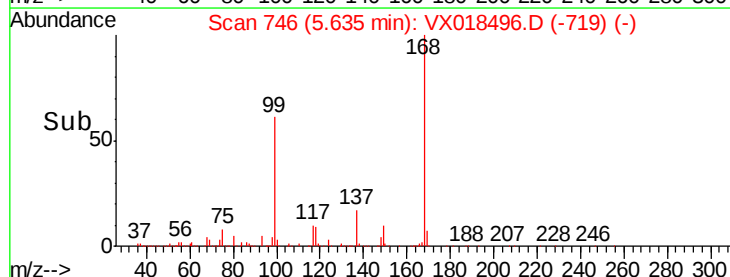
77 0.6 25.0 37.6#

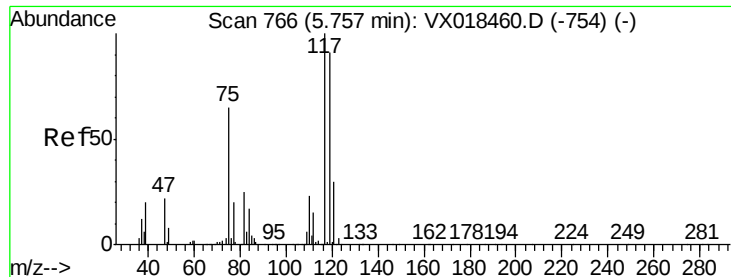


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.786 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

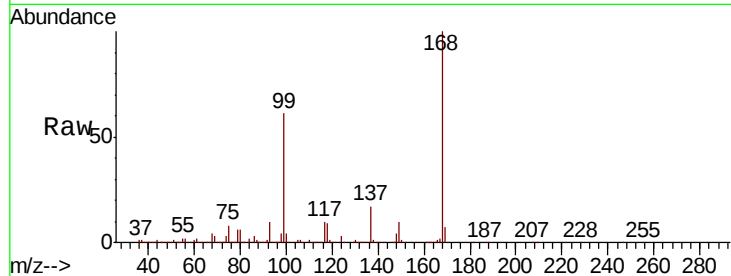
Tot Ion:117 Resp: 57415

Ion Ratio Lower Upper

117 100

119 5.8 72.3 108.5#

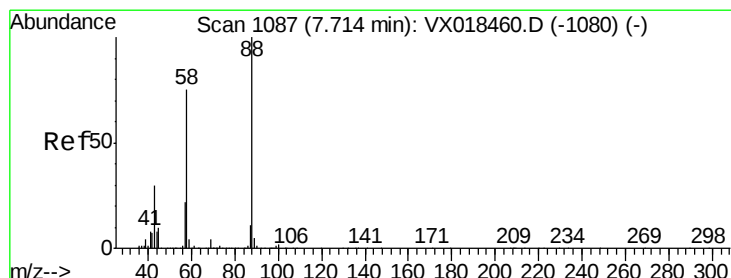
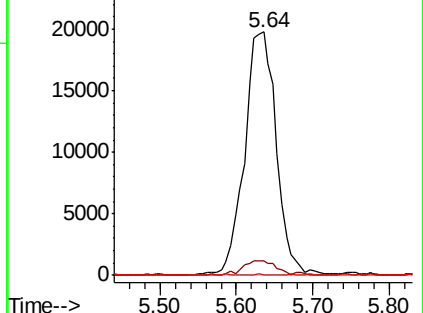
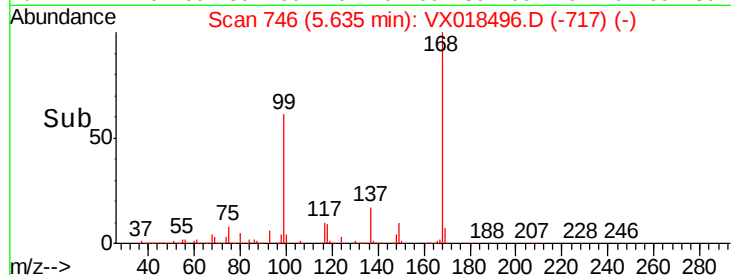
121 0.4 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 2.522 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

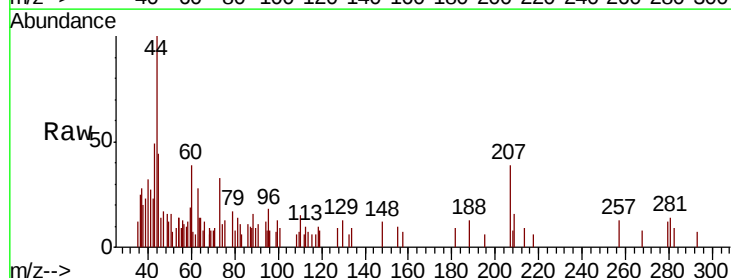
Tgt Ion: 88 Resp: 322

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

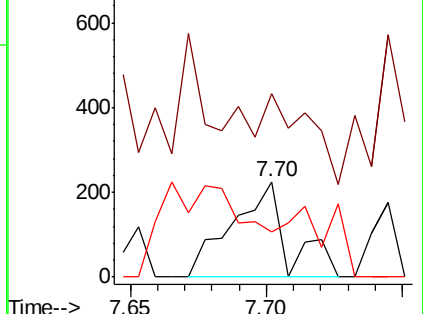
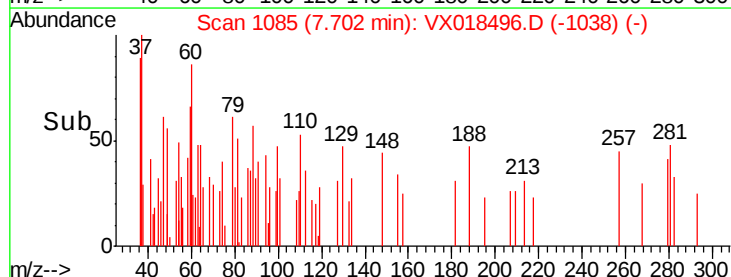
58 0.0 59.0 88.6#

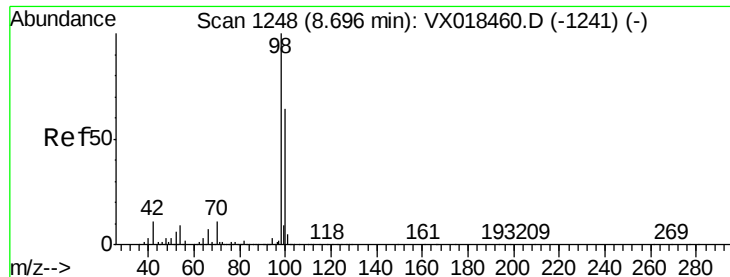


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.133 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

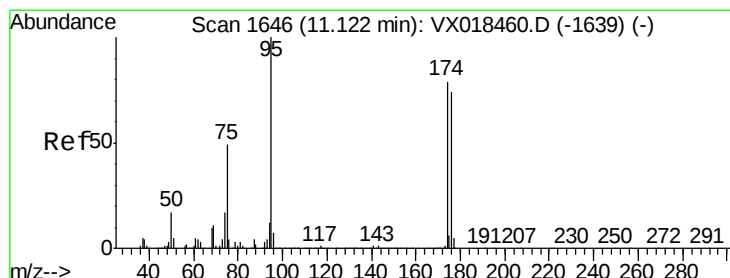
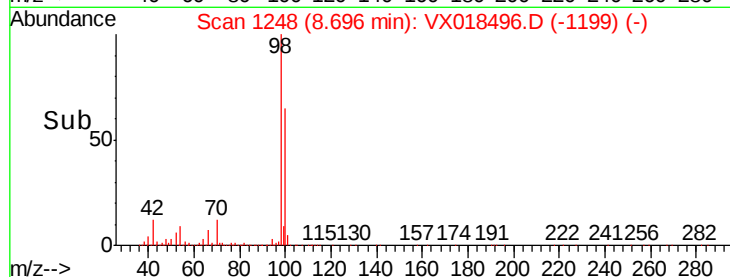
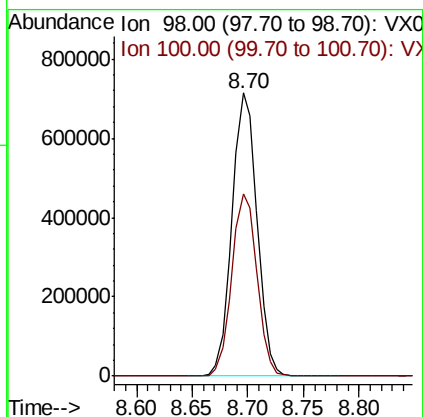
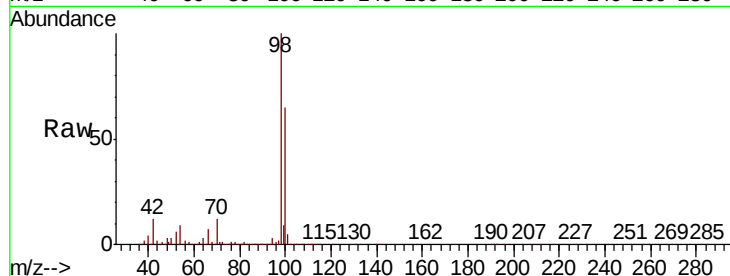
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 1116003

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.745 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

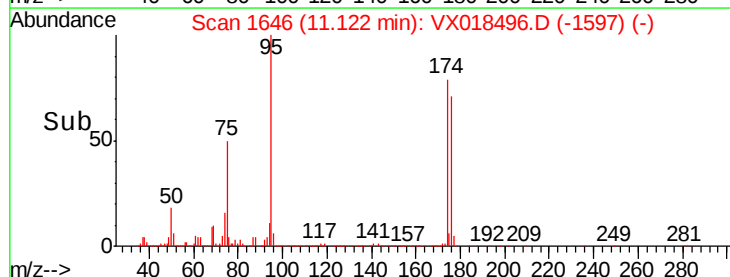
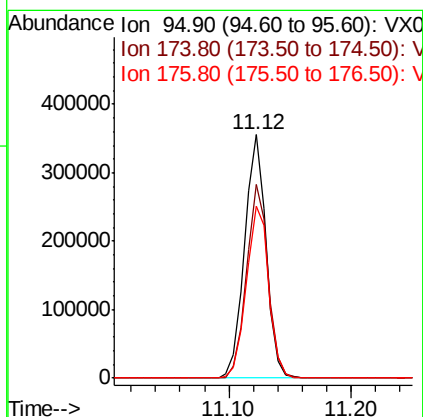
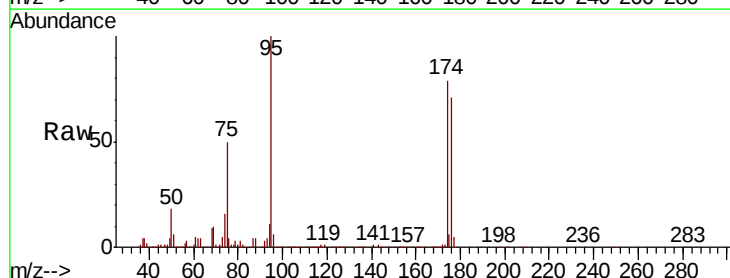
Tgt Ion: 95 Resp: 431114

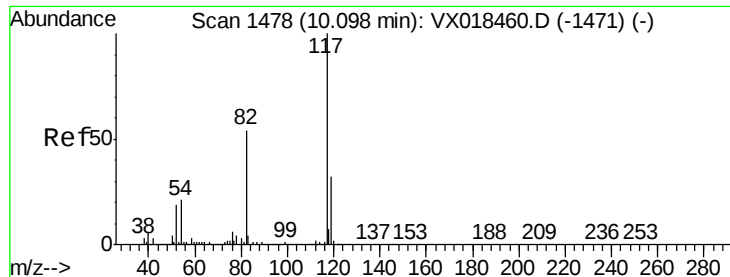
Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.4

176 74.2 0.0 151.4

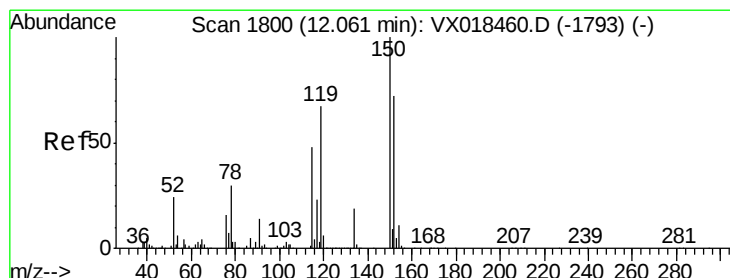
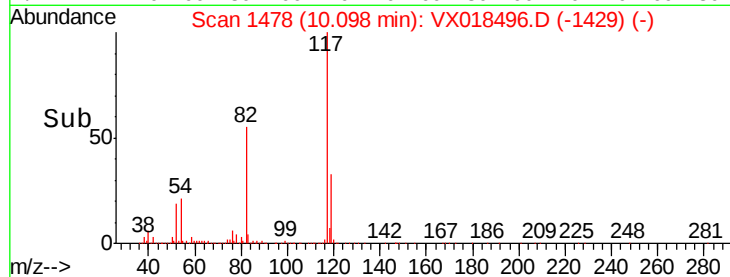
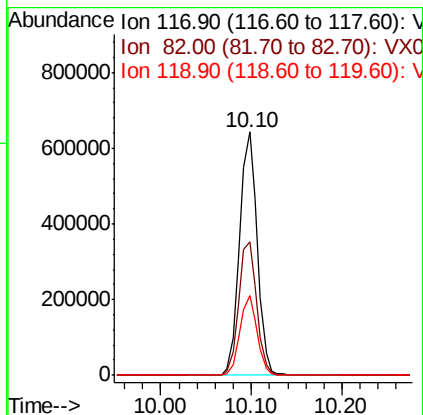
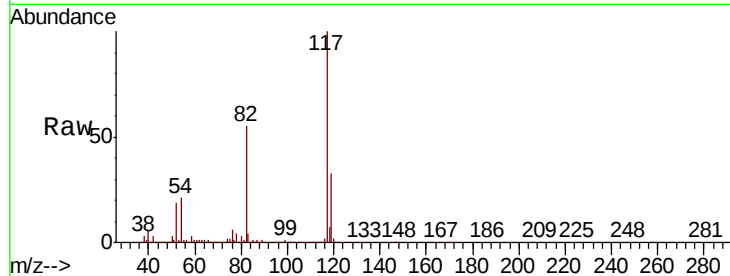




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

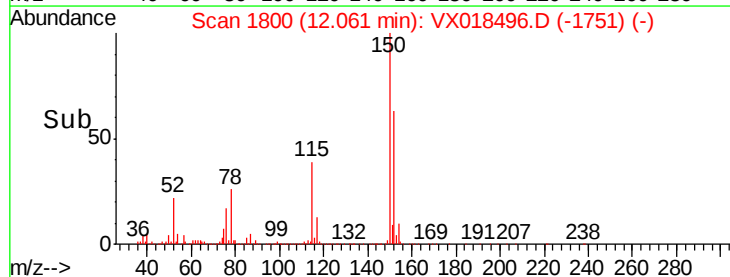
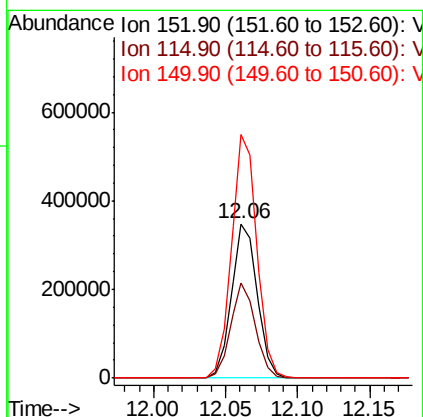
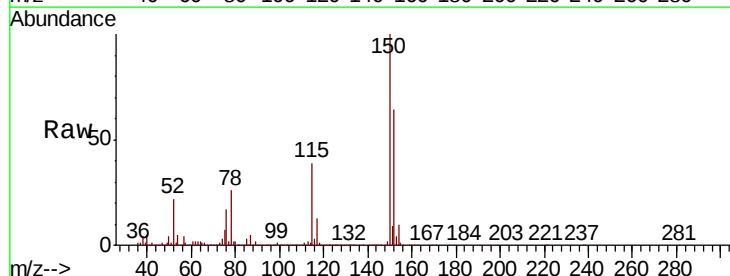
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

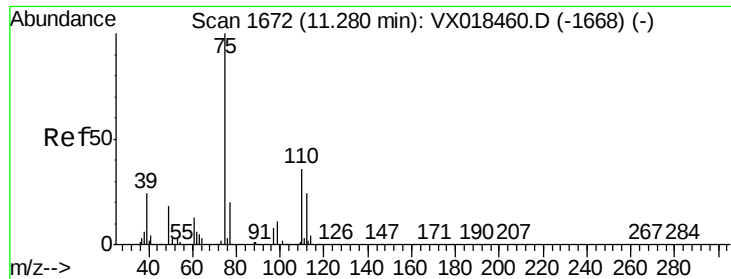
Tot Ion:117 Resp: 868664
Ion Ratio Lower Upper
117 100
82 54.9 43.3 64.9
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018496.D
Acq: 18 Sep 2020 16:40

Tgt Ion:152 Resp: 436798
Ion Ratio Lower Upper
152 100
115 59.1 41.8 125.4
150 155.2 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 23.986 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

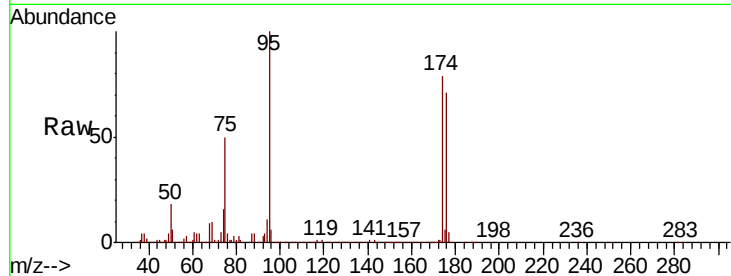
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 220164

Ion Ratio Lower Upper

75 100

77 1.4 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

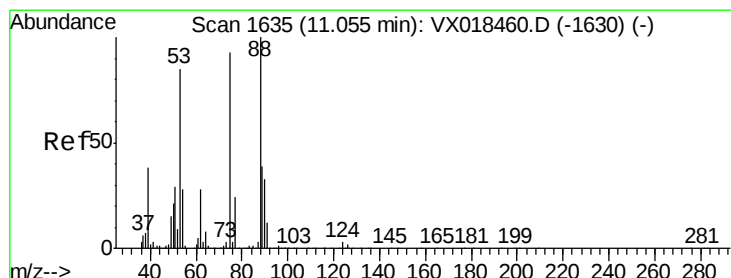
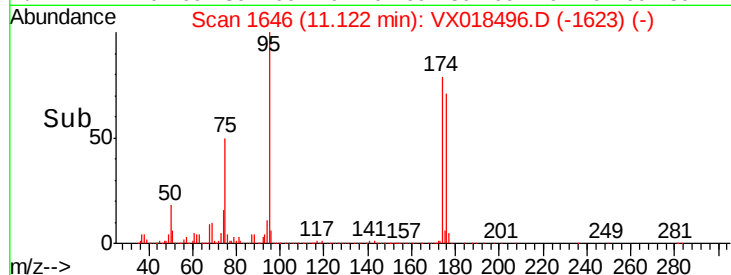
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.463 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018496.D

Acq: 18 Sep 2020 16:40

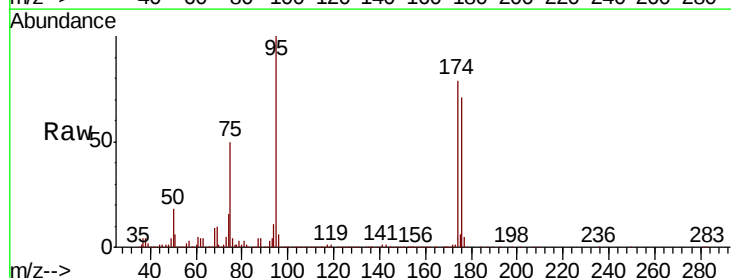
Tgt Ion: 75 Resp: 220164

Ion Ratio Lower Upper

75 100

53 0.3 74.6 111.8#

89 0.0 36.2 54.4#



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

200000

150000

100000

50000

0

Time-->

