

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019725.D
 Acq On : 04 Dec 2020 18:31
 Operator : JC/MD
 Sample : L4959-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Dec 05 03:49:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	336602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	548958	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	501462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221025	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	209424	47.34	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.68%	
35) Dibromofluoromethane		5.46	113	168112	47.38	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.76%	
50) Toluene-d8		8.70	98	662313	48.90	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.80%	
62) 4-Bromofluorobenzene		11.12	95	232360	45.07	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.14%	

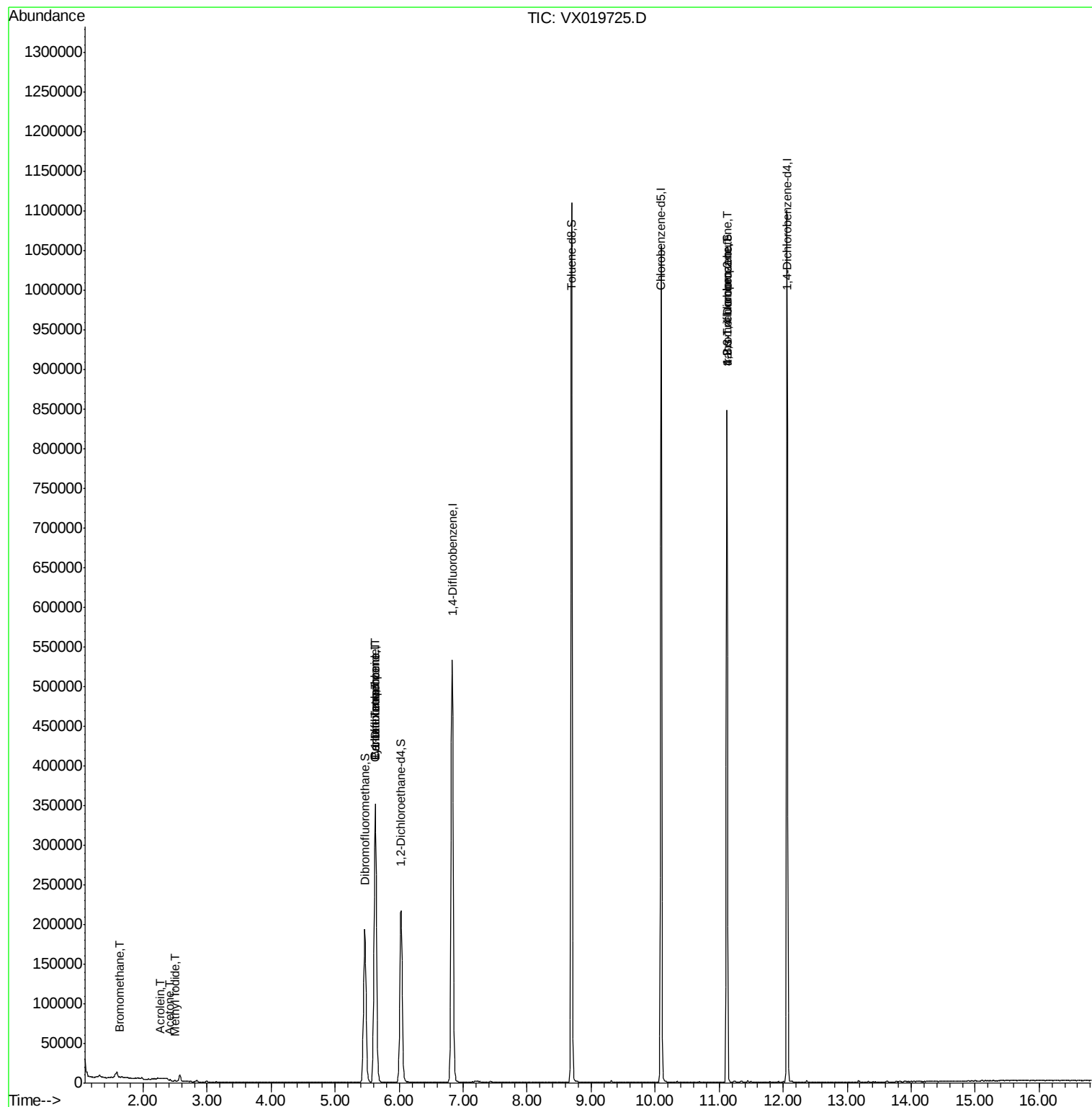
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	298	0.235	ug/l #	78
10) Methyl Iodide	2.50	142	1161	0.258	ug/l	99
11) Tert butyl alcohol	3.00	59	642	Below Cal	#	73
13) Acrolein	2.27	56	277	0.567	ug/l #	1
16) Acetone	2.42	43	1489	0.895	ug/l #	84
20) Methylene Chloride	2.83	84	770	Below Cal	#	88
31) Cyclohexane	5.62	56	6618	1.203	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25087	5.057	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32713	6.734	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	114473	23.092	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	114473	66.755	ug/l #	12

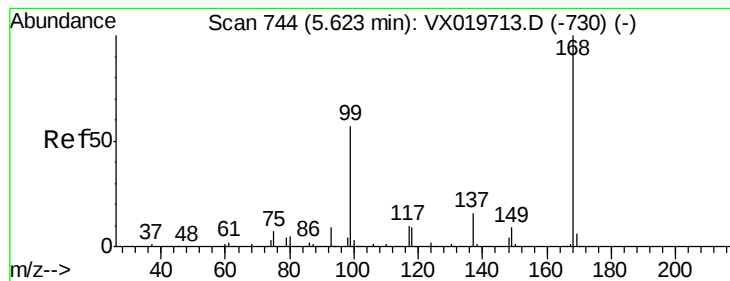
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120420\
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ClientSampleId :
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Quant Time: Dec 05 03:49:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

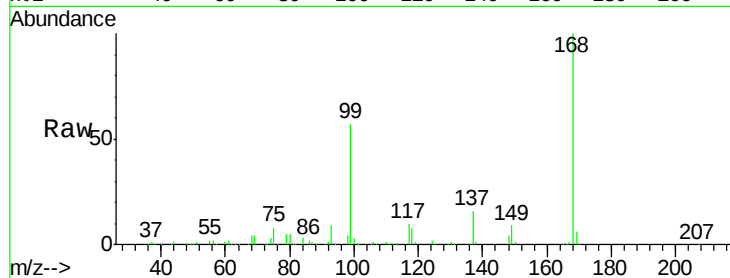
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 336602

Ion Ratio Lower Upper

168 100

99 56.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

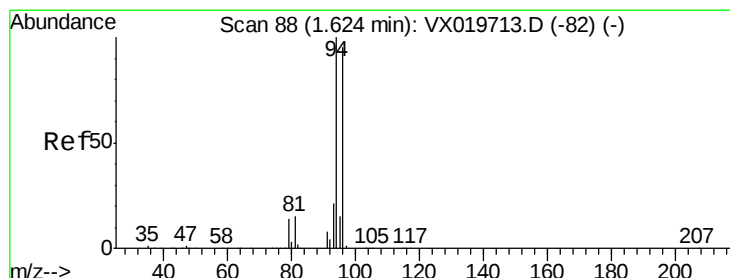
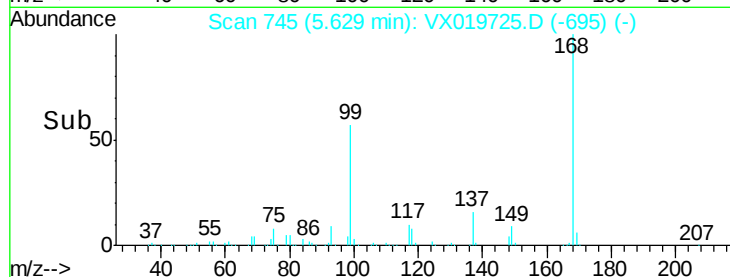
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019725.D

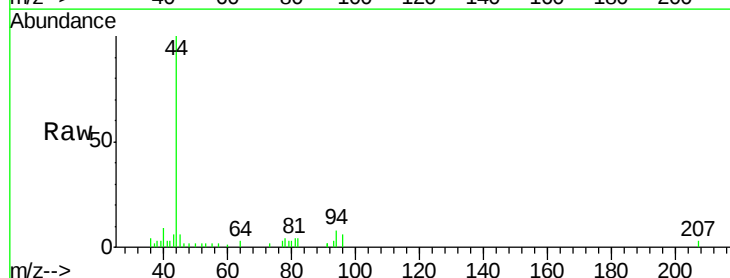
Acq: 04 Dec 2020 18:31

Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 73.7 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

300

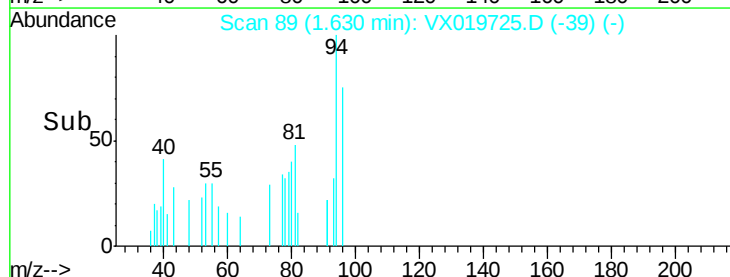
200

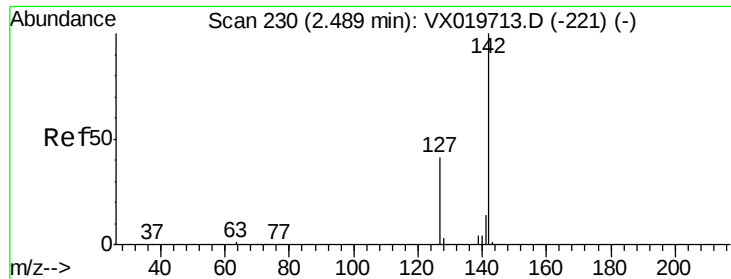
100

0

Time-->

1.60 1.62 1.64 1.66

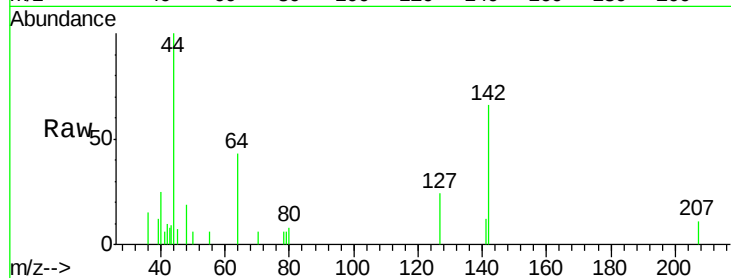




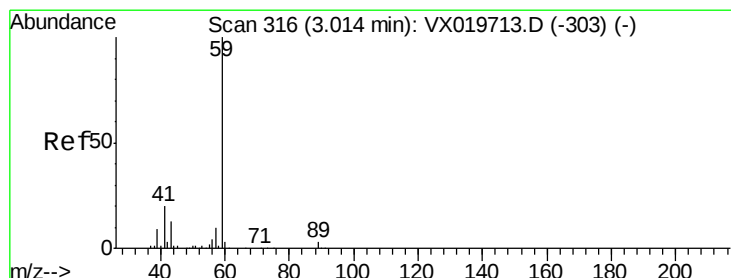
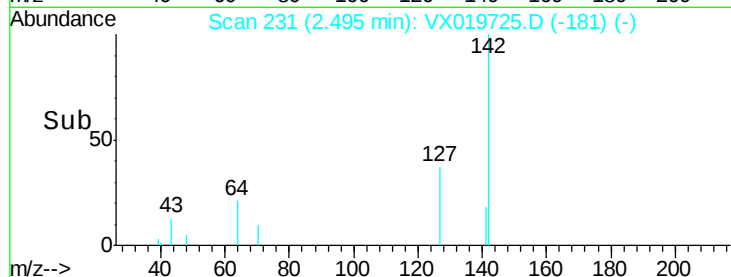
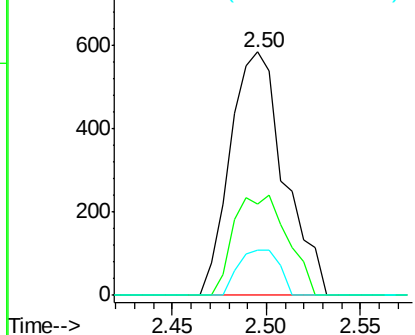
#10
Methvl Iodide
Concen: 0.258 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019725.D
Acq: 04 Dec 2020 18:31

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

Tot Ion:142 Resp: 1161
Ion Ratio Lower Upper
142 100
127 40.7 33.3 49.9
141 14.0 11.4 17.0

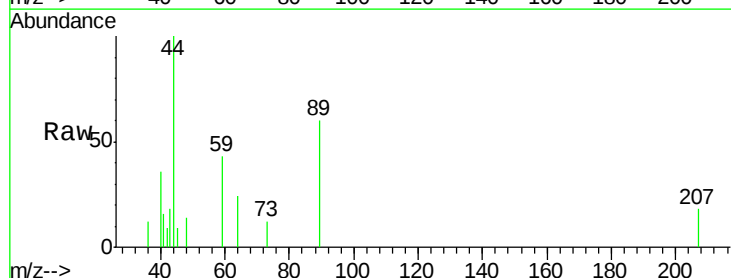


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

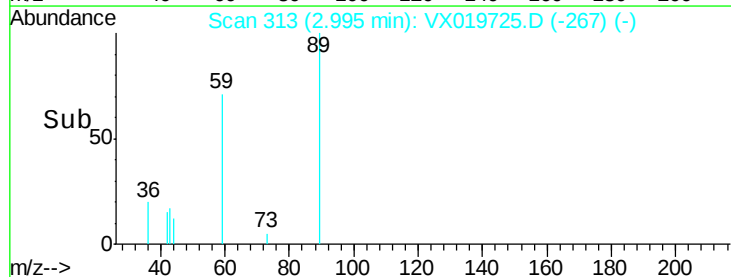
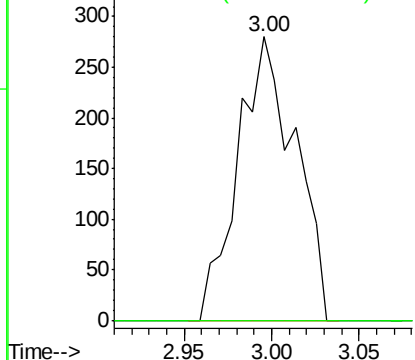


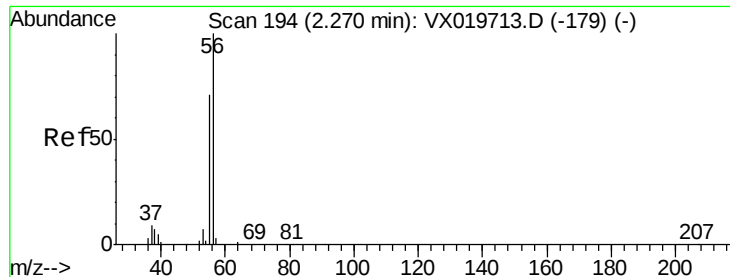
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019725.D
Acq: 04 Dec 2020 18:31

Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.567 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

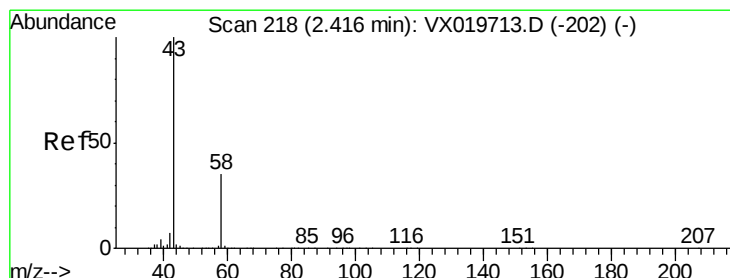
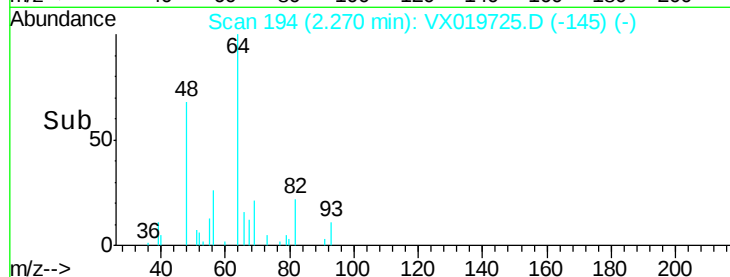
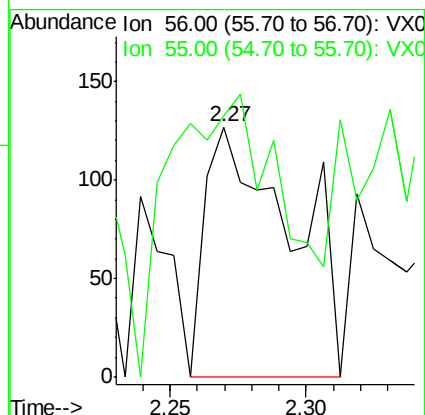
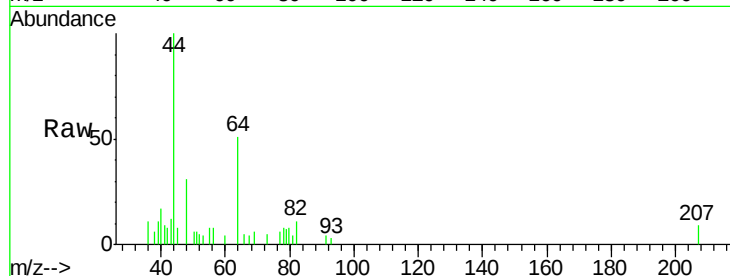
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 277

Ion Ratio Lower Upper

56 100

55 152.0 56.4 84.6#



#16

Acetone

Concen: 0.895 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019725.D

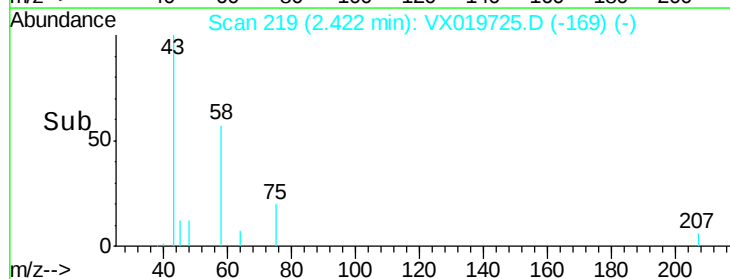
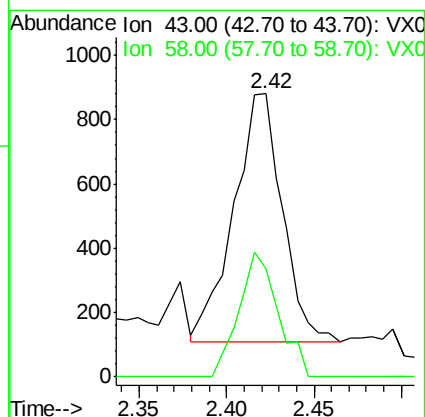
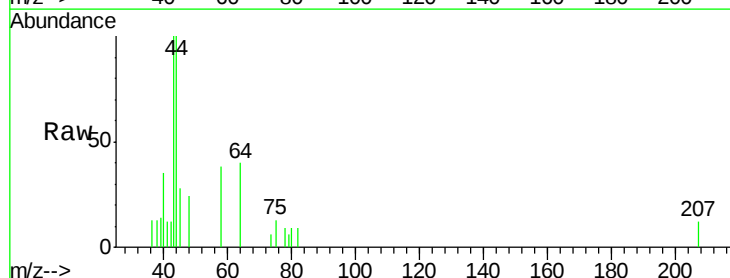
Acq: 04 Dec 2020 18:31

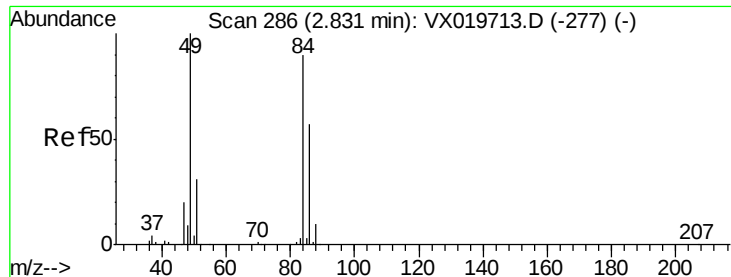
Tgt Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

58 43.8 27.8 41.8#

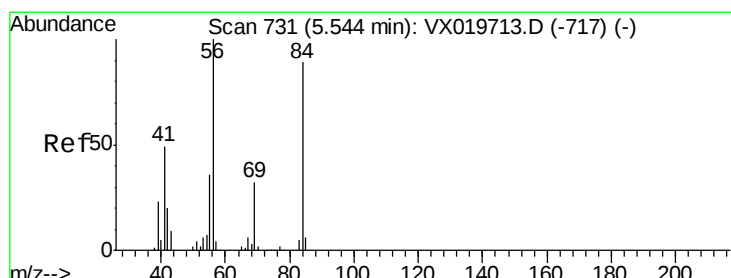
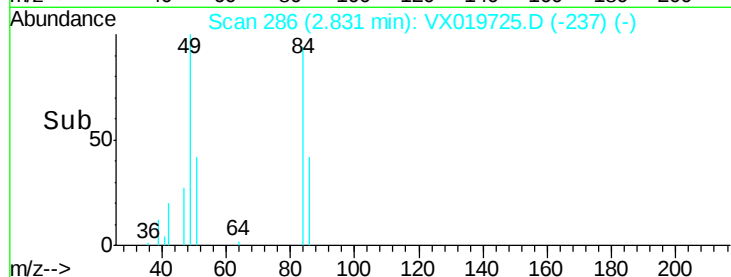
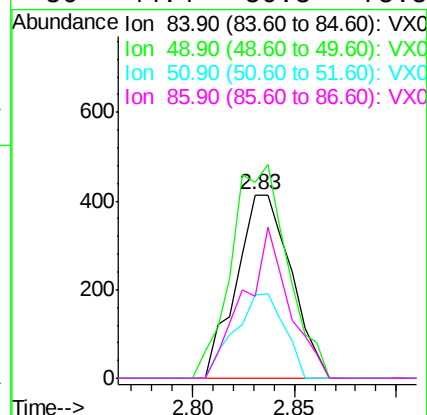
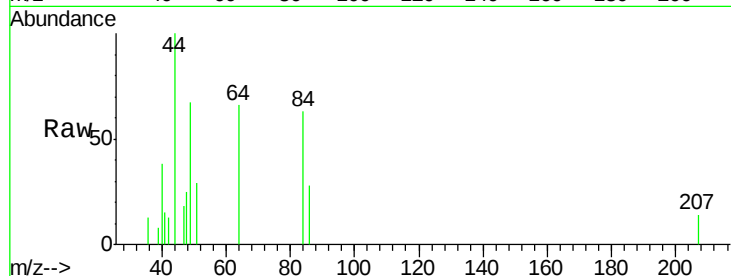




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019725.D
Acq: 04 Dec 2020 18:31

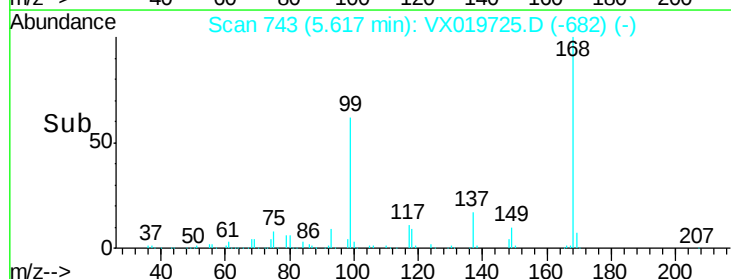
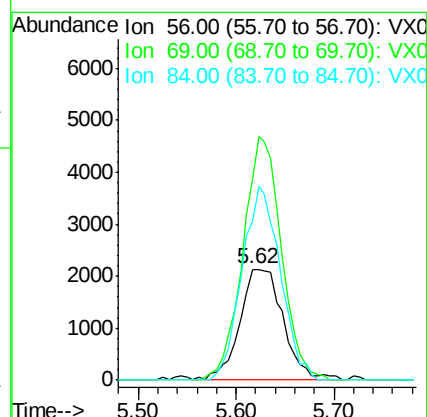
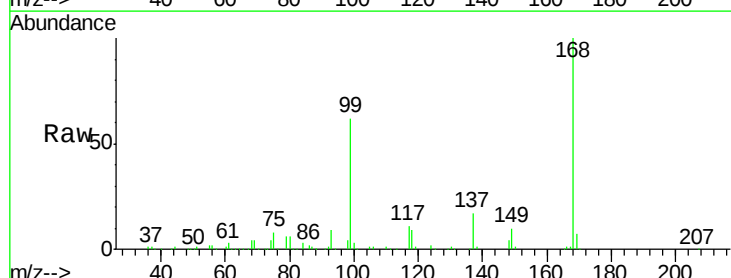
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

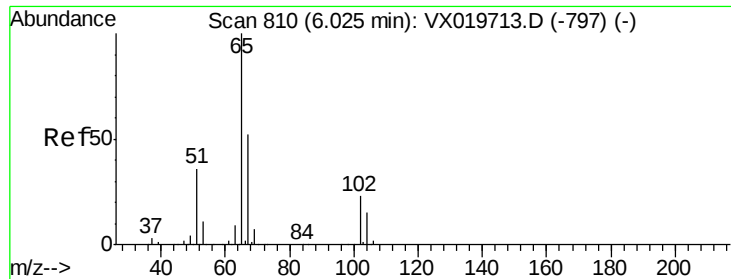
Tot Ion: 84 Resp: 770
Ion Ratio Lower Upper
84 100
49 106.8 88.6 132.8
51 45.2 27.0 40.6#
86 44.4 50.3 75.5#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX019725.D
Acq: 04 Dec 2020 18:31

Tgt Ion: 56 Resp: 6618
Ion Ratio Lower Upper
56 100
69 180.8 25.3 37.9#
84 142.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.339 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

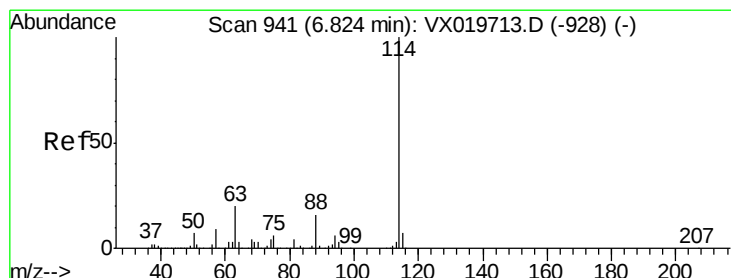
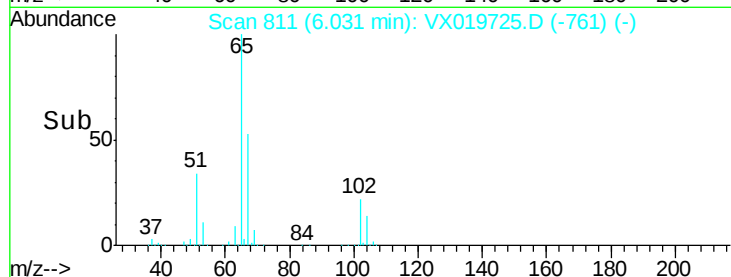
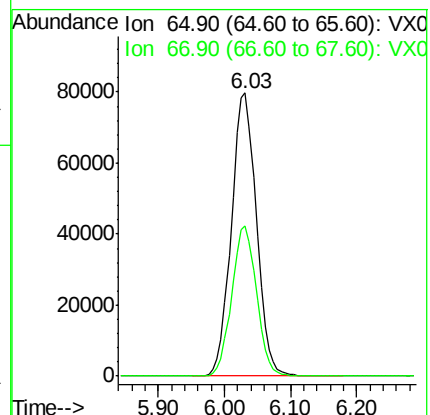
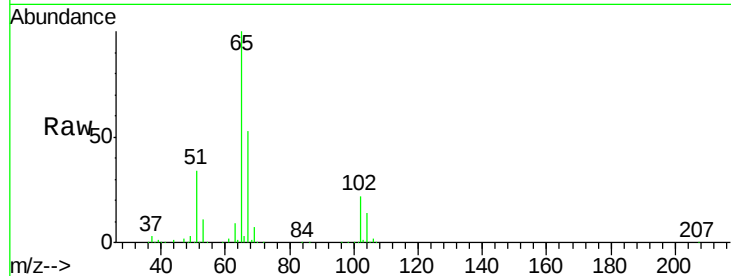
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 209424

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

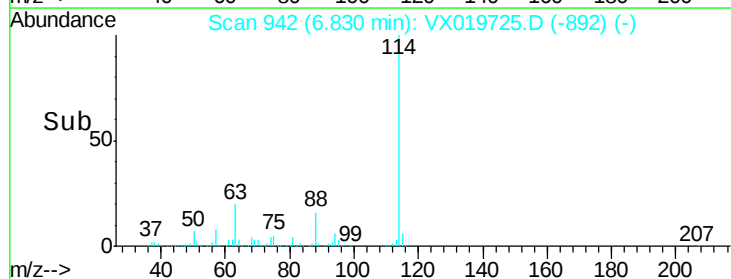
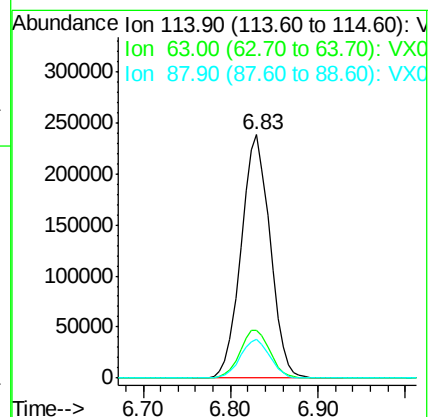
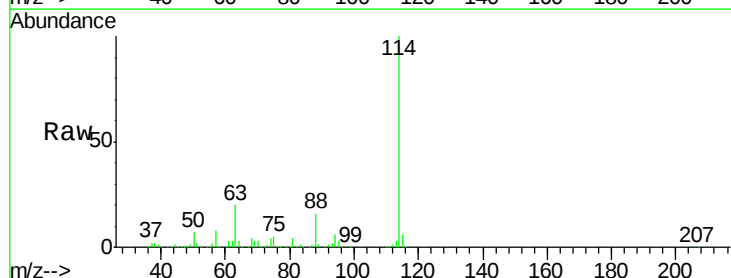
Tgt Ion: 114 Resp: 548958

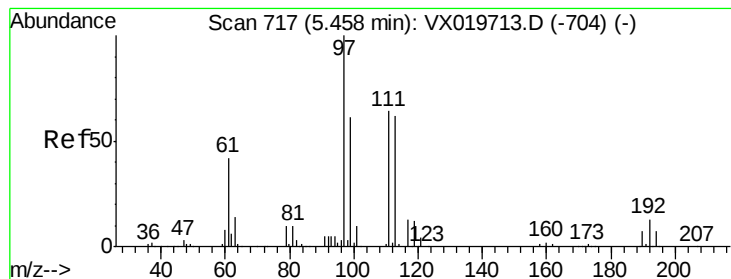
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.384 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

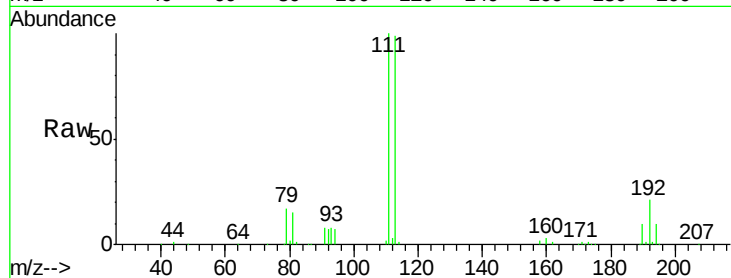
Tot Ion:113 Resp: 168112

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

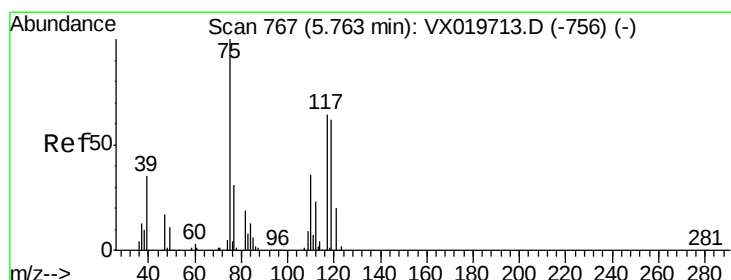
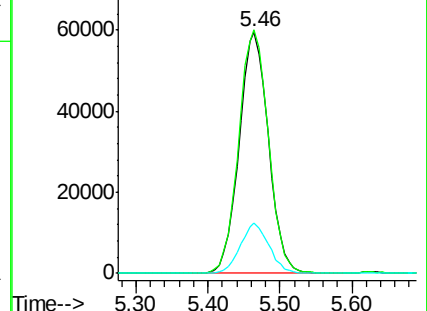
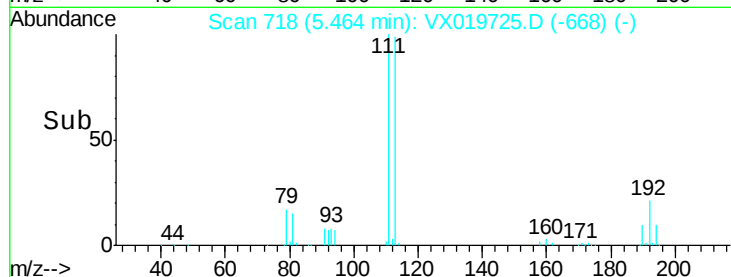
192 20.2 16.7 25.1



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: 5.057 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

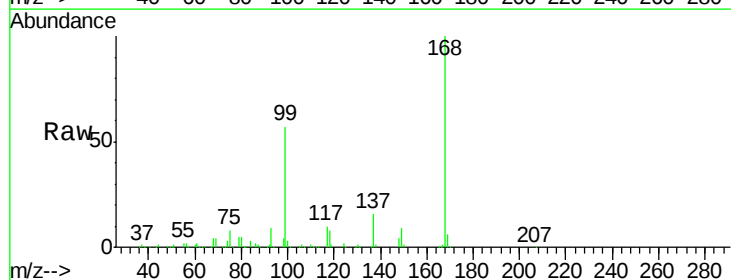
Tgt Ion: 75 Resp: 25087

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

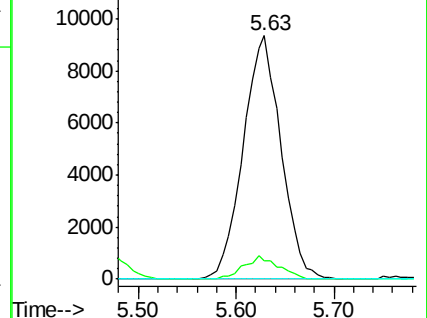
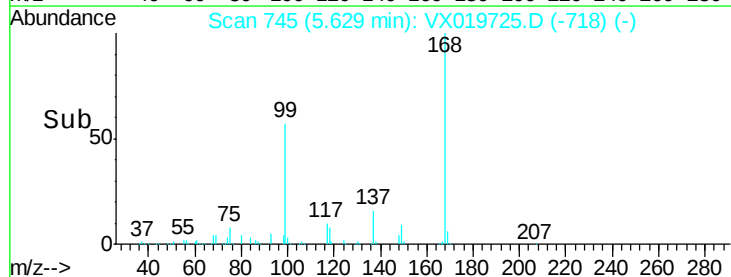
77 0.0 25.3 37.9#

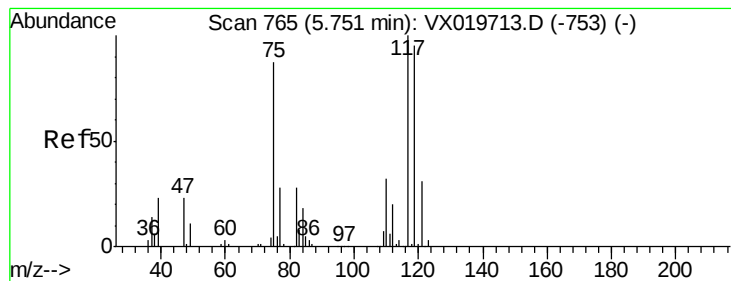


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.734 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

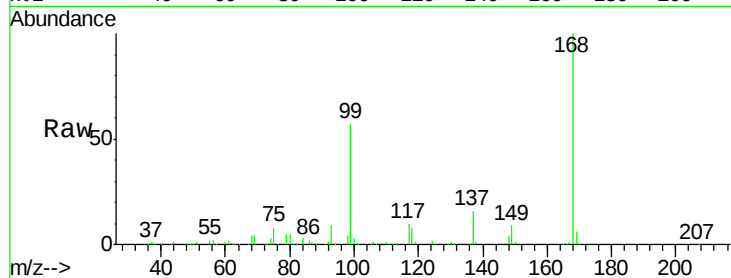
Tot Ion:117 Resp: 32713

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

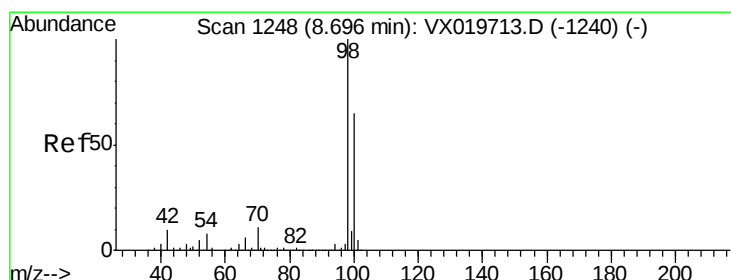
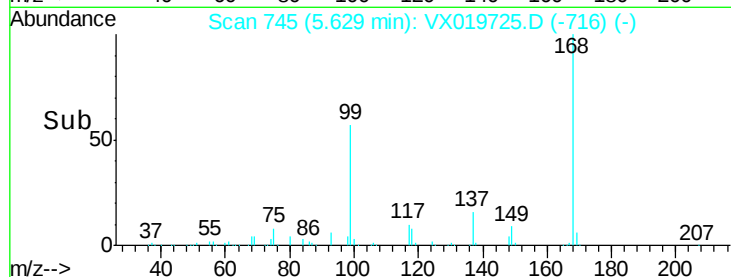
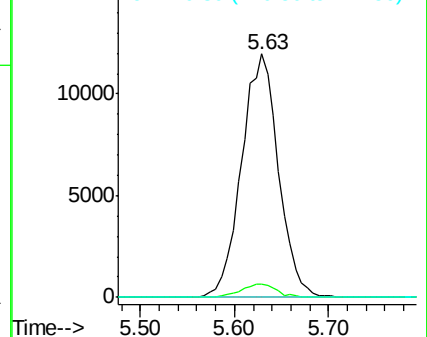
121 0.0 24.8 37.2#



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: 48.898 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019725.D

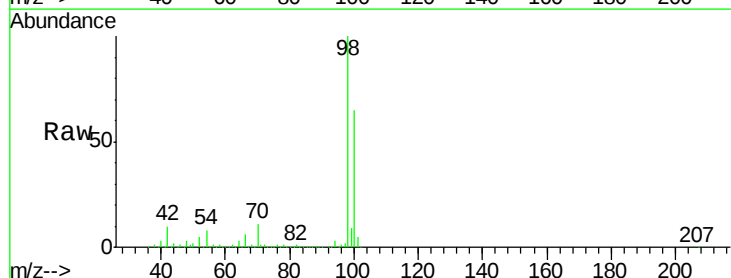
Acq: 04 Dec 2020 18:31

Tgt Ion: 98 Resp: 662313

Ion Ratio Lower Upper

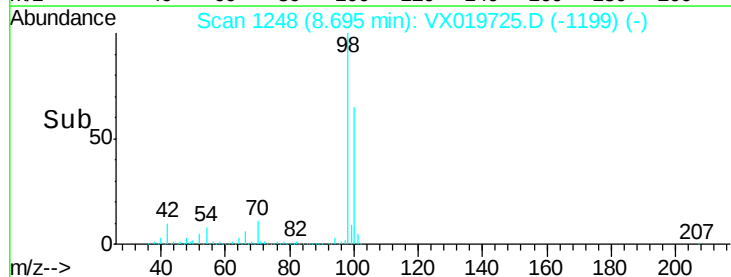
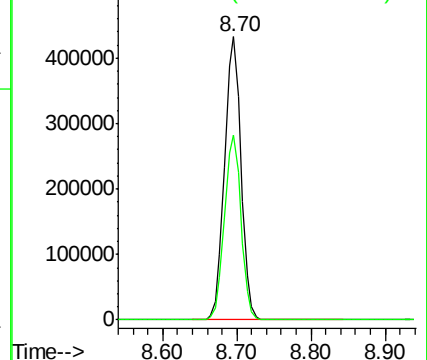
98 100

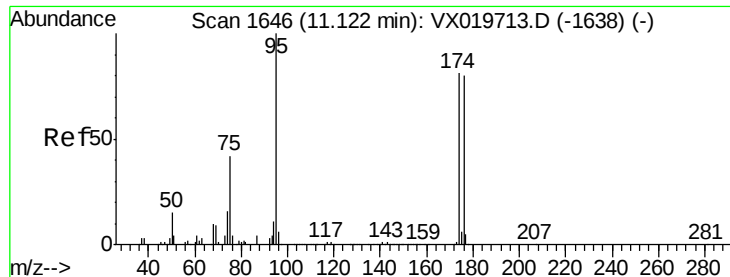
100 65.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.072 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

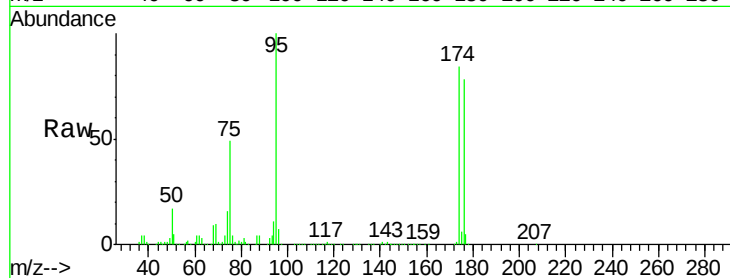
Tot Ion: 95 Resp: 232360

Ion Ratio Lower Upper

95 100

174 80.3 0.0 154.6

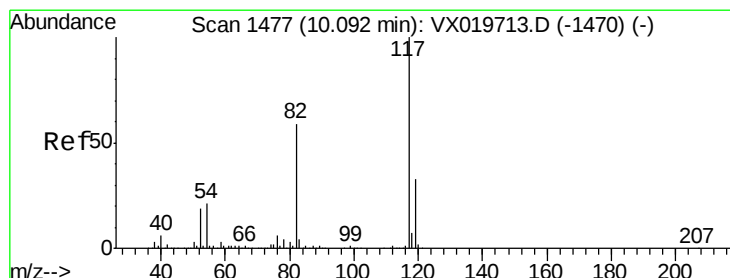
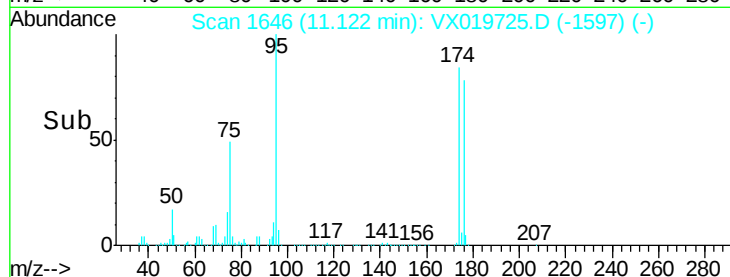
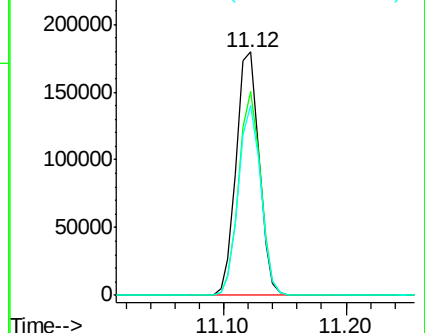
176 76.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019725.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019725.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019725.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

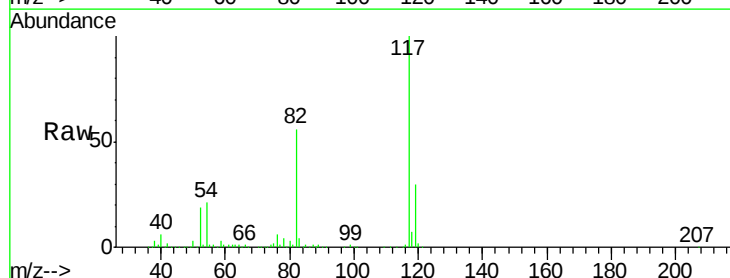
Tgt Ion: 117 Resp: 501462

Ion Ratio Lower Upper

117 100

82 56.5 47.4 71.2

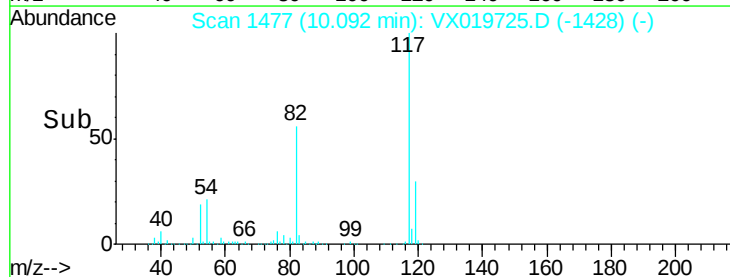
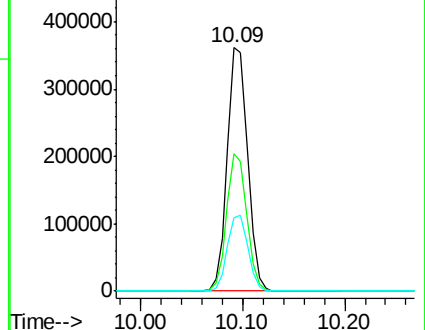
119 30.3 26.6 39.8

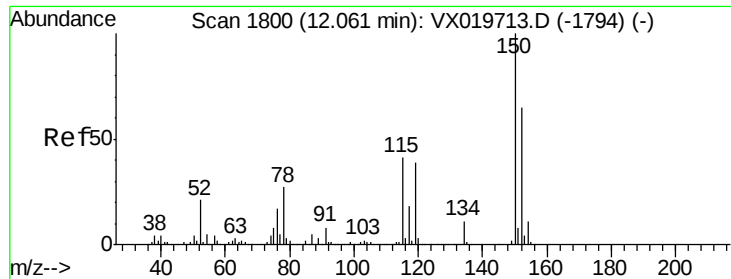


Abundance Ion 116.90 (116.60 to 117.60): VX019725.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019725.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019725.D (-1428) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

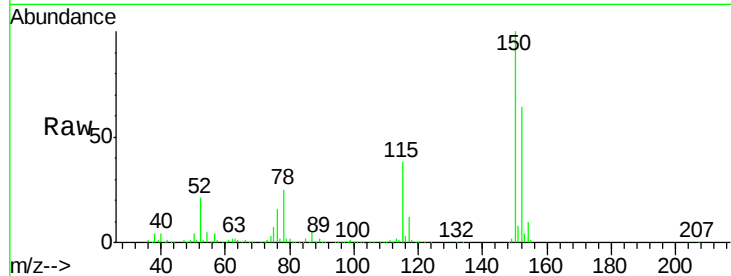
Tot Ion:152 Resp: 221025

Ion Ratio Lower Upper

152 100

115 59.7 41.1 123.3

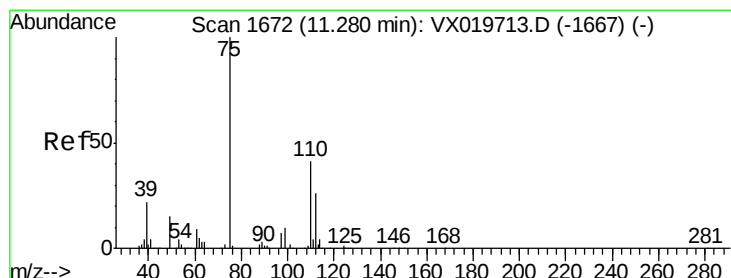
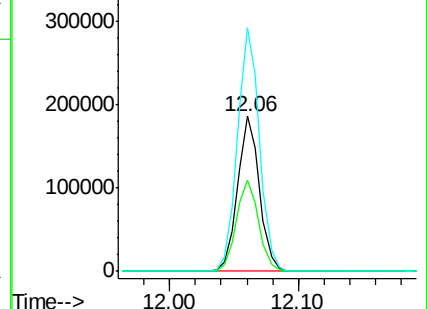
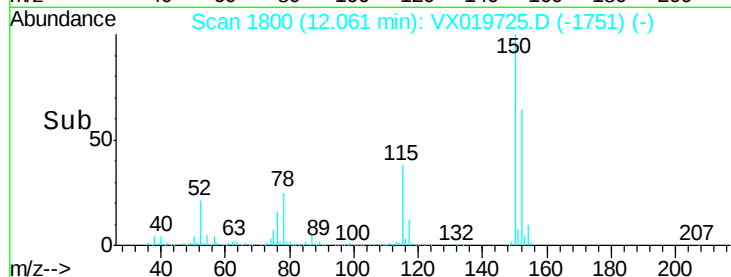
150 158.5 0.0 349.0



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: 23.092 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019725.D

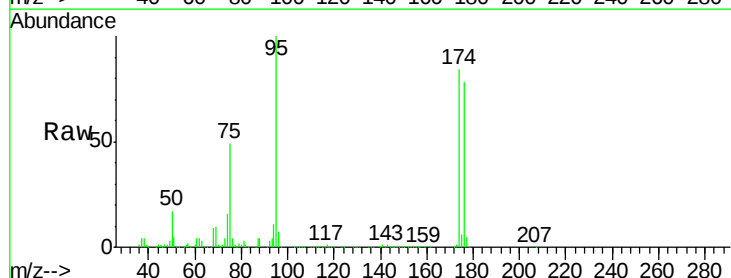
Acq: 04 Dec 2020 18:31

Tgt Ion: 75 Resp: 114473

Ion Ratio Lower Upper

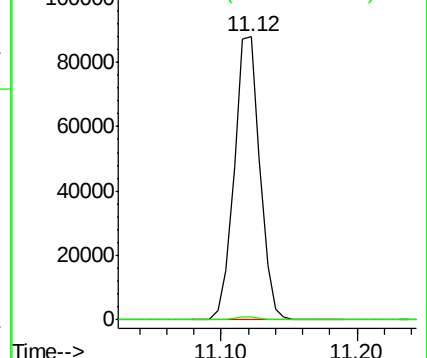
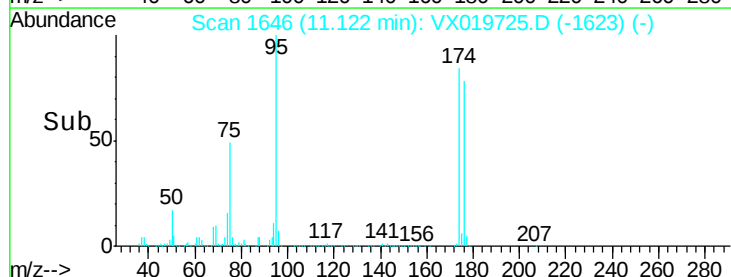
75 100

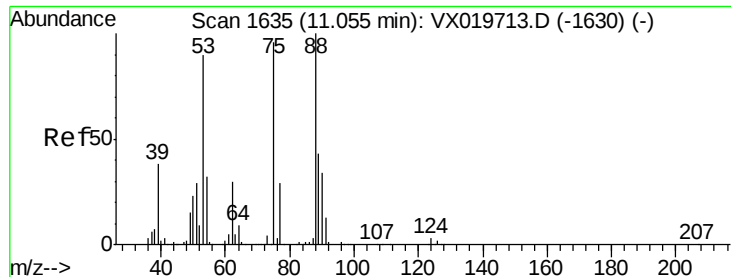
77 1.2 19.1 57.5#



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: 66.755 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019725.D

Acq: 04 Dec 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 114473

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

