

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019724.D
 Acq On : 04 Dec 2020 18:07
 Operator : JC/MD
 Sample : L4959-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 05 03:49:00 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	333025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	548006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	484036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207599	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	204400	46.70	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.40%	
35) Dibromofluoromethane		5.46	113	166019	46.88	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.76%	
50) Toluene-d8		8.70	98	648721	47.98	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.96%	
62) 4-Bromofluorobenzene		11.12	95	226383	43.99	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.98%	

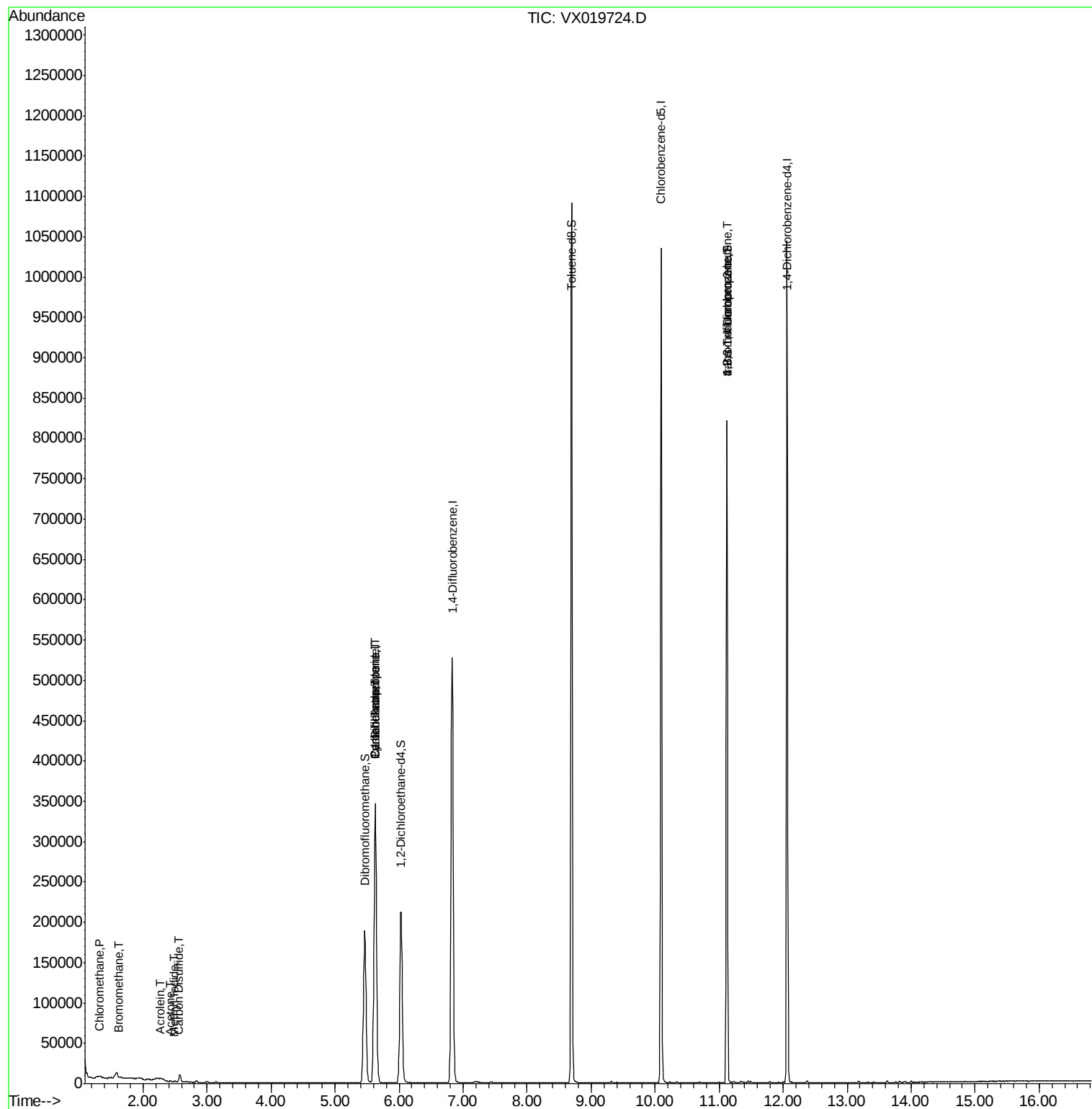
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	774	0.216	ug/l	98
5) Bromomethane	1.63	94	837	0.667	ug/l	97
10) Methyl Iodide	2.50	142	1573	0.354	ug/l	94
11) Tert butyl alcohol	3.00	59	623	Below Cal	#	73
13) Acrolein	2.27	56	285	0.590	ug/l #	62
16) Acetone	2.42	43	1644	0.999	ug/l	97
17) Carbon Disulfide	2.55	76	1872	0.214	ug/l	99
20) Methylene Chloride	2.84	84	798	Below Cal		90
31) Cyclohexane	5.63	56	6644	1.220	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	25154	5.080	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31981	6.595	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	110233	23.675	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	110233	68.440	ug/l #	12

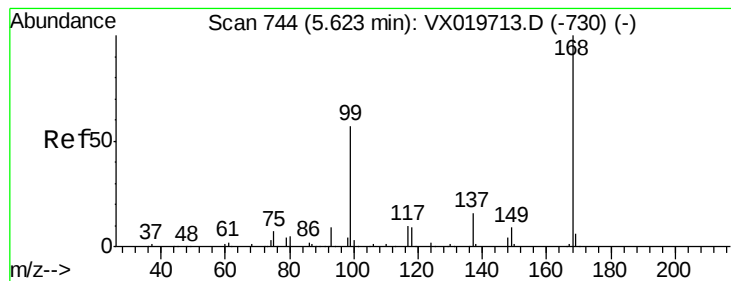
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019724.D

Acq: 04 Dec 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

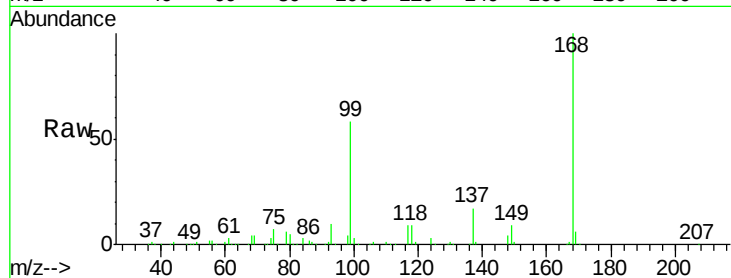
STORAGE-BLANK-WATER-REF

Tot Ion:168 Resp: 333025

Ion Ratio Lower Upper

168 100

99 57.5 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

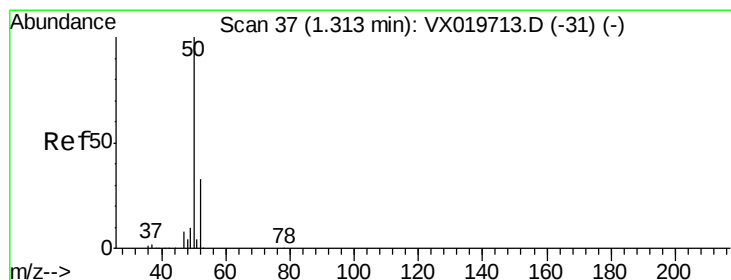
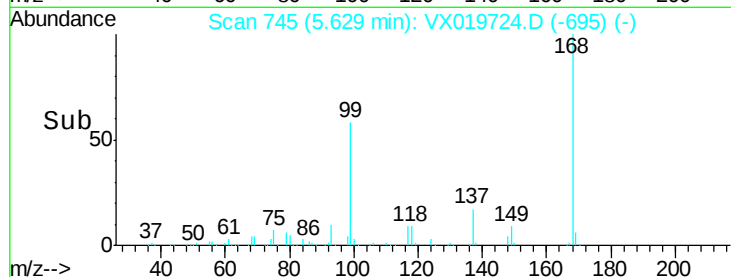
100000

50000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.216 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019724.D

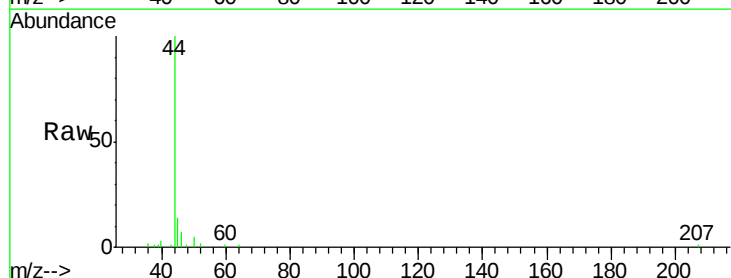
Acq: 04 Dec 2020 18:07

Tgt Ion: 50 Resp: 774

Ion Ratio Lower Upper

50 100

52 34.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

400

300

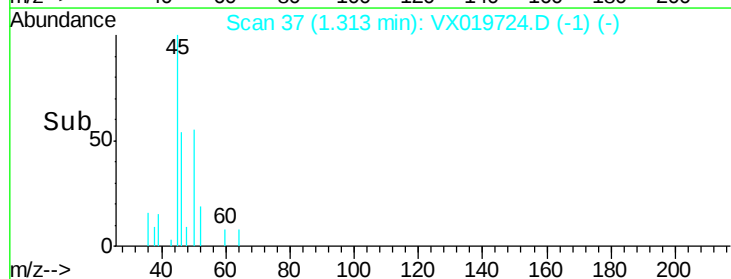
200

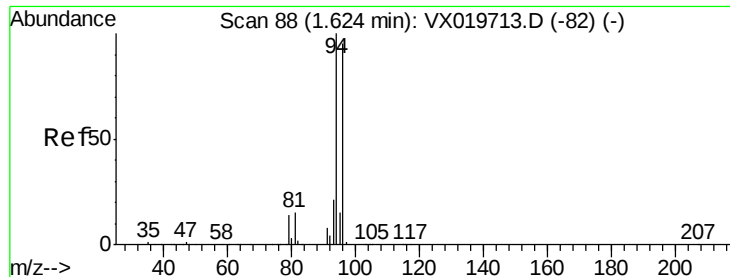
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.667 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019724.D

Acq: 04 Dec 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

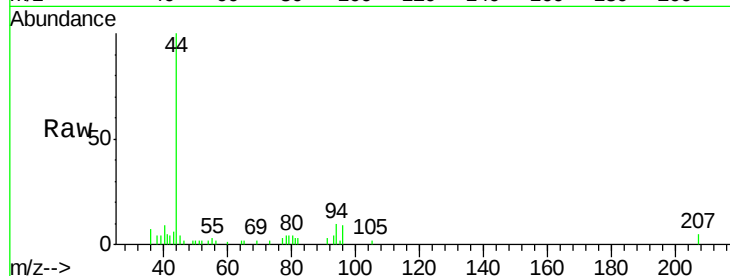
STORAGE-BLANK-WATER-REF

Tot Ion: 94 Resp: 837

Ion Ratio Lower Upper

94 100

96 92.8 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

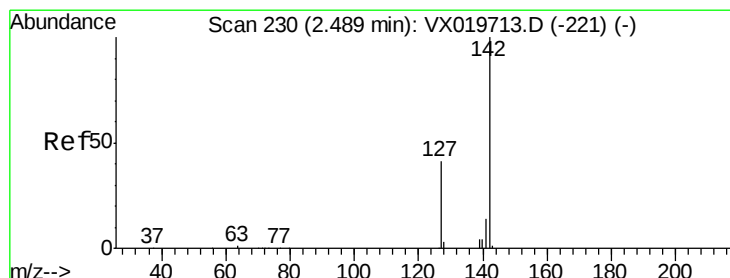
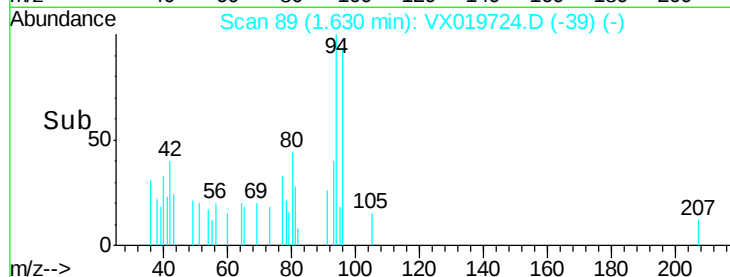
200

100

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 0.354 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019724.D

Acq: 04 Dec 2020 18:07

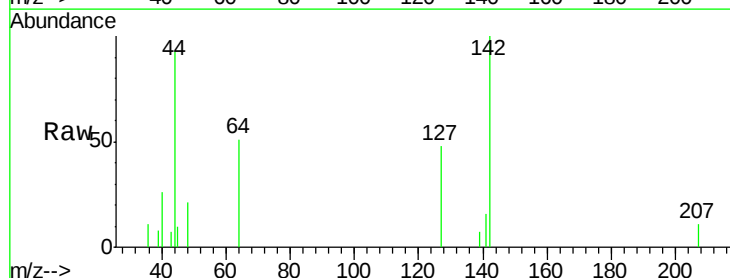
Tgt Ion: 142 Resp: 1573

Ion Ratio Lower Upper

142 100

127 45.9 33.3 49.9

141 13.0 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

1000

800

600

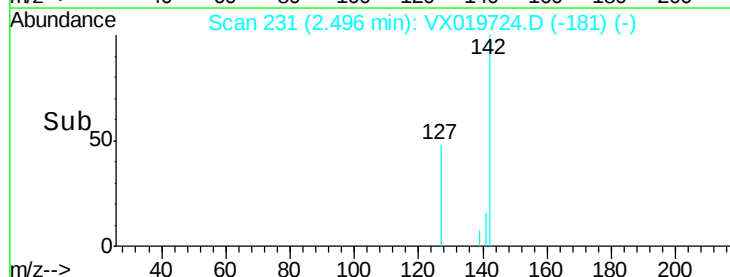
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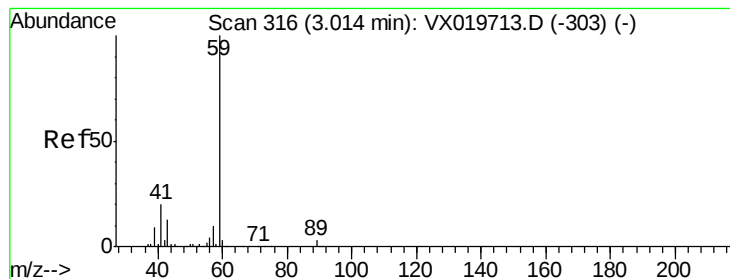
200

0

2.45 2.50 2.55

Time-->



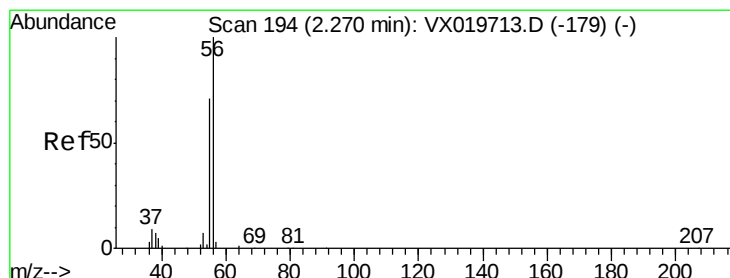
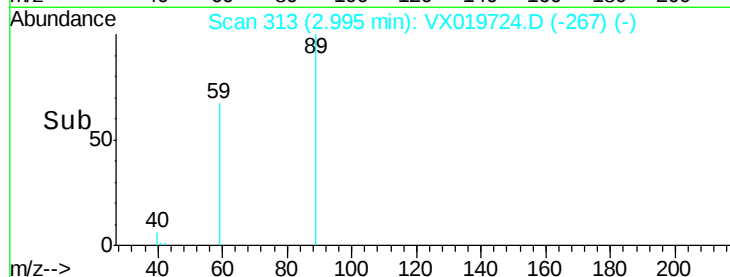
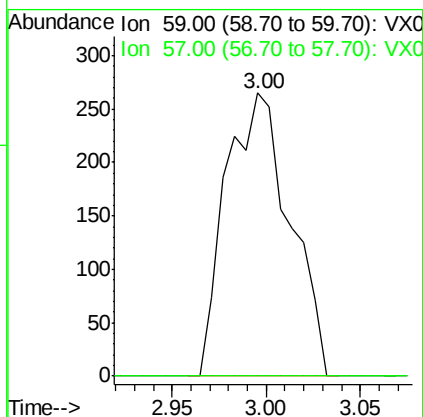
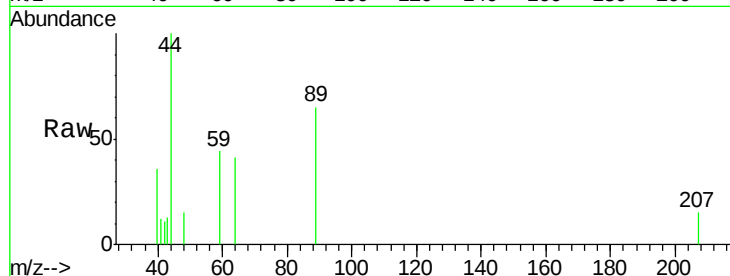


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019724.D
 Acq: 04 Dec 2020 18:07

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

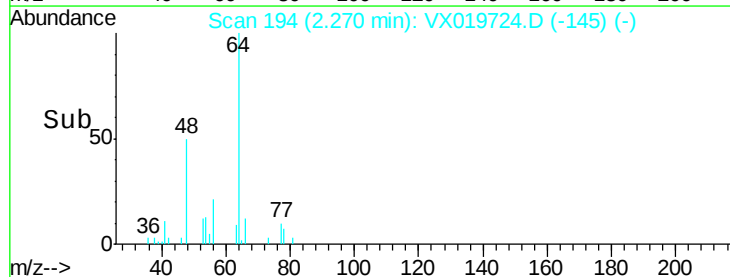
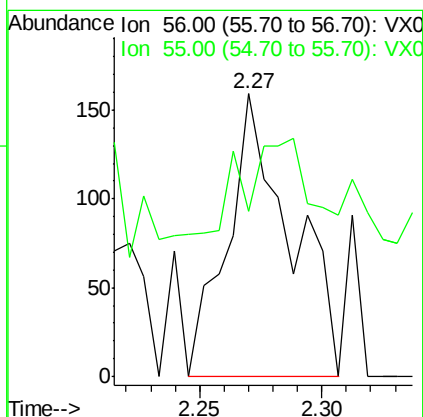
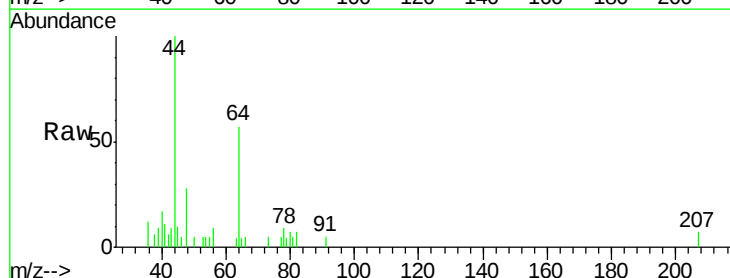
Tot Ion: 59 Resp: 623
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

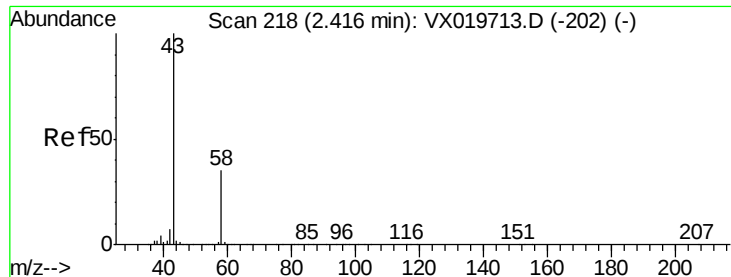


#13

Acrolein
 Concen: 0.590 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VX019724.D
 Acq: 04 Dec 2020 18:07

Tgt Ion: 56 Resp: 285
 Ion Ratio Lower Upper
 56 100
 55 38.9 56.4 84.6#





#16

Acetone

Concen: 0.999 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019724.D

Acq: 04 Dec 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

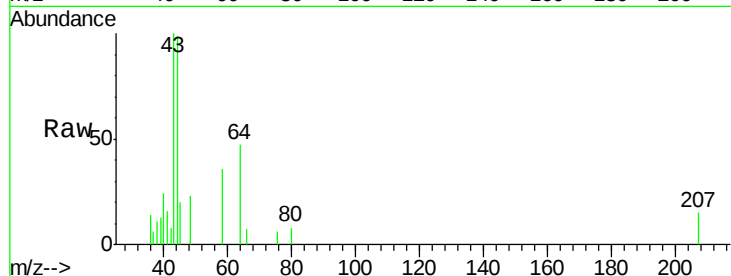
STORAGE-BLANK-WATER-REF

Tot Ion: 43 Resp: 1644

Ion Ratio Lower Upper

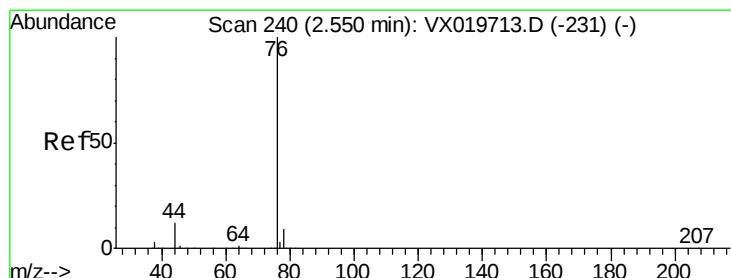
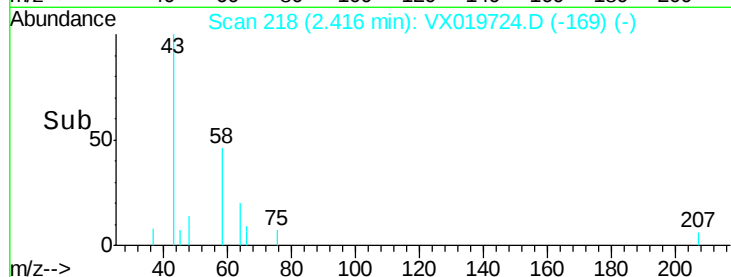
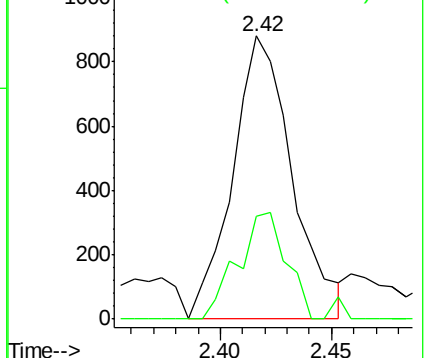
43 100

58 36.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019724.D

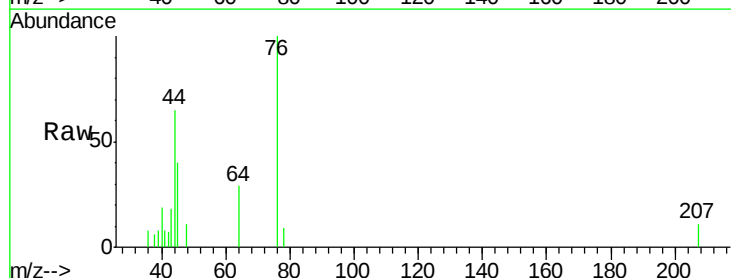
Acq: 04 Dec 2020 18:07

Tgt Ion: 76 Resp: 1872

Ion Ratio Lower Upper

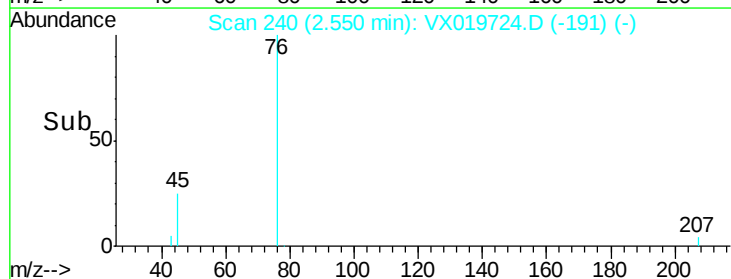
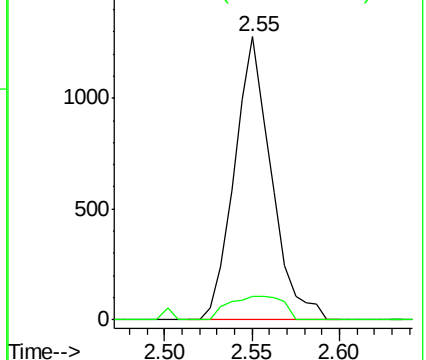
76 100

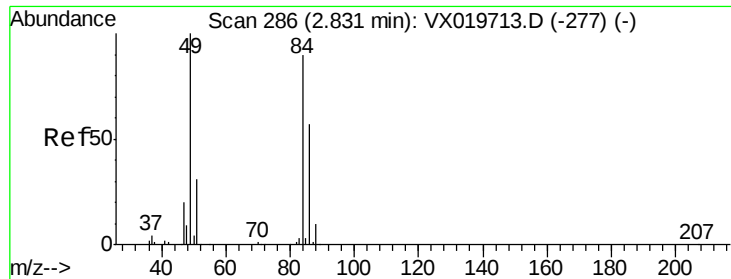
78 8.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

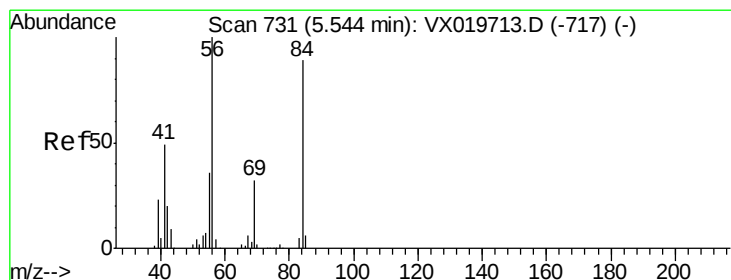
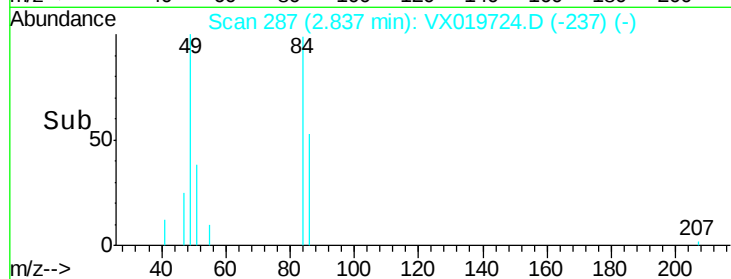
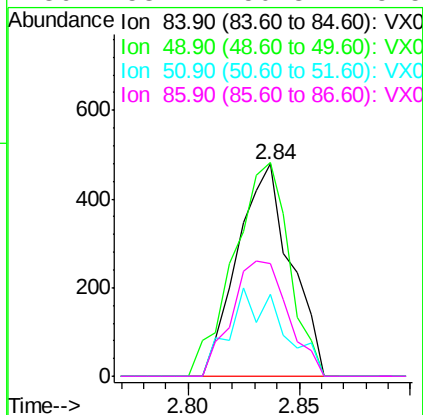
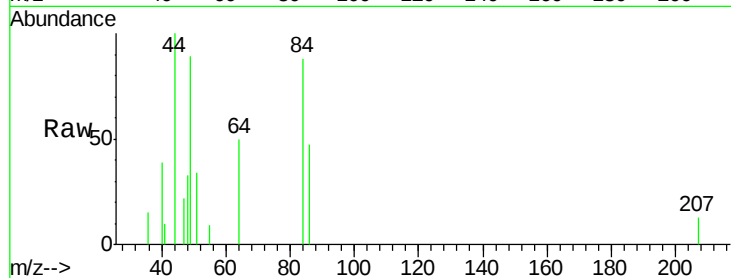




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019724.D
Acq: 04 Dec 2020 18:07

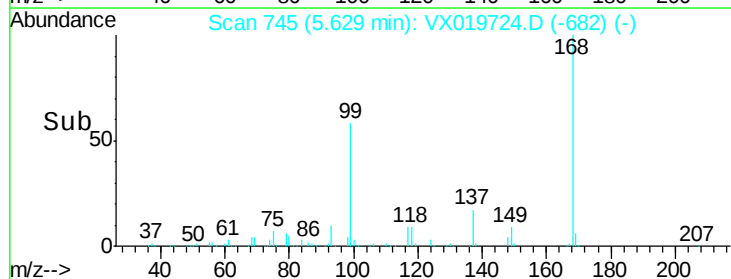
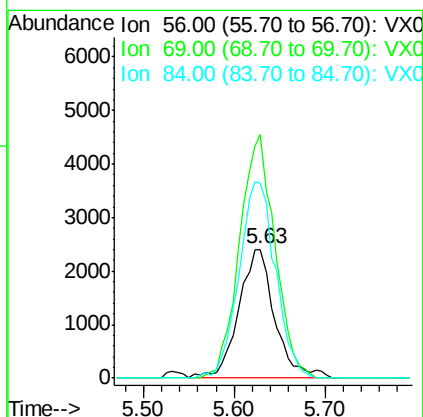
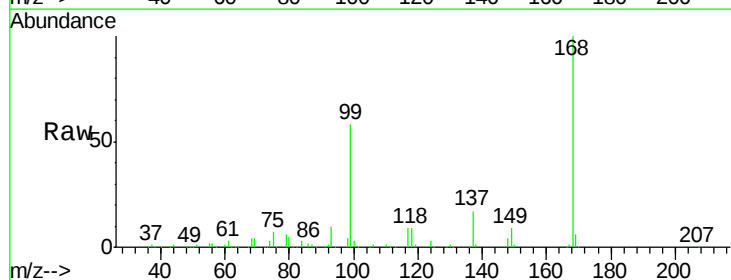
Instrument :
MSVOA_X
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STORAGE-BLANK-WATER-REF

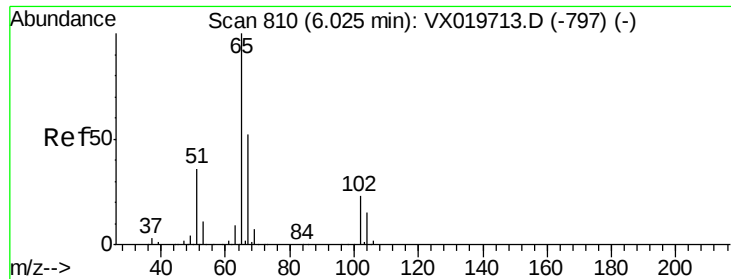
Tot Ion:	84	Resp:	798
Ion	Ratio	Lower	Upper
84	100		
49	100.6	88.6	132.8
51	38.4	27.0	40.6
86	53.2	50.3	75.5



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019724.D
Acq: 04 Dec 2020 18:07

Tgt Ion:	56	Resp:	6644
Ion	Ratio	Lower	Upper
56	100		
69	188.8	25.3	37.9#
84	151.0	71.4	107.0#

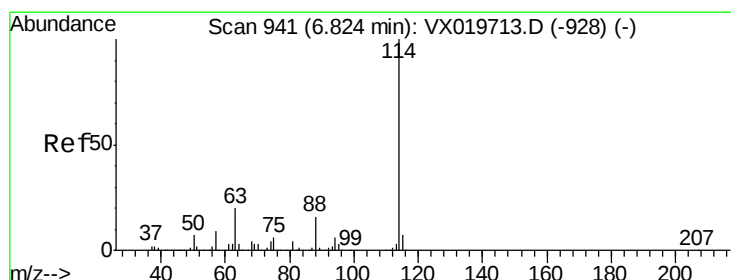
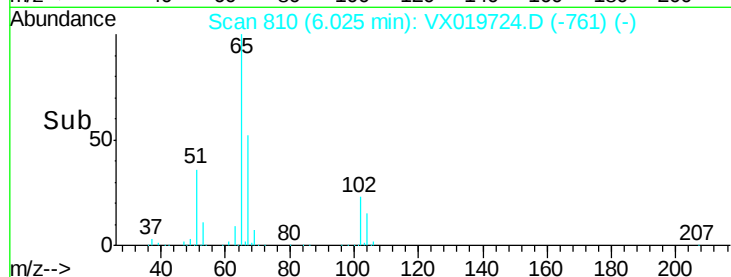
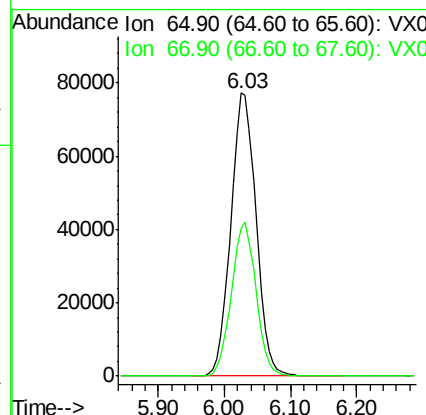
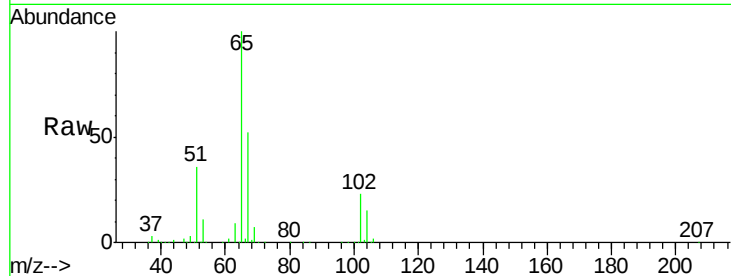




#33
 1,2-Dichloroethane-d4
 Concen: 46.699 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019724.D
 Acq: 04 Dec 2020 18:07

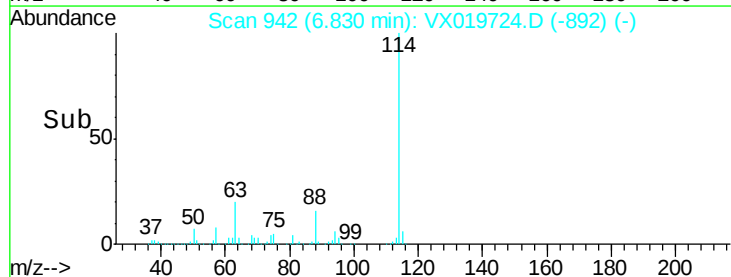
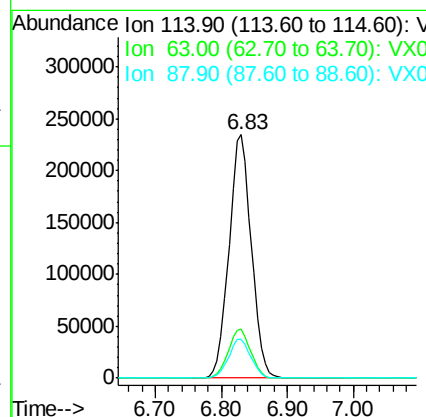
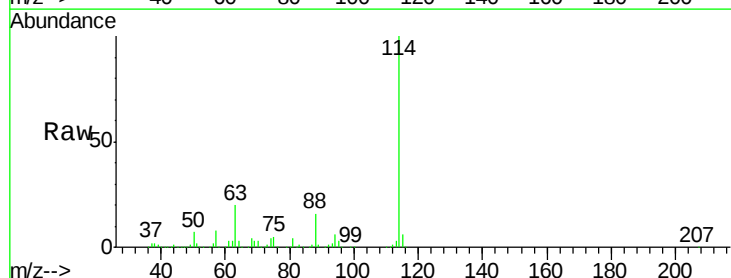
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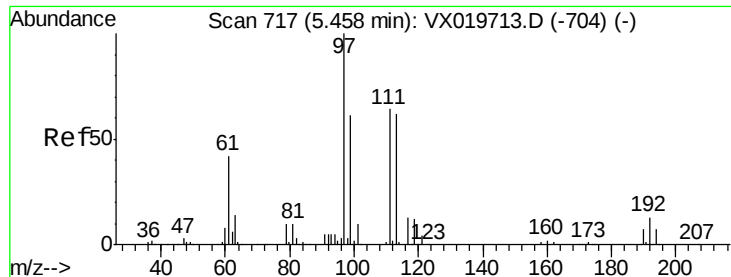
Tot Ion: 65 Resp: 204400
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019724.D
 Acq: 04 Dec 2020 18:07

Tgt Ion: 114 Resp: 548006
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.2 0.0 32.8

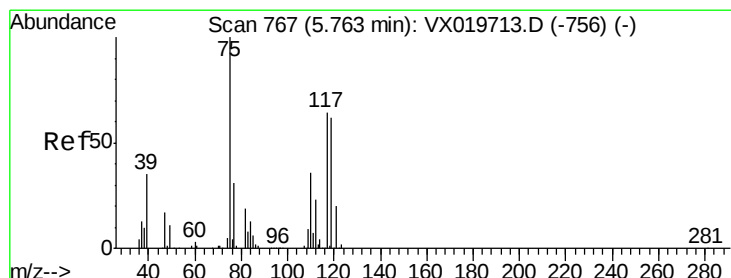
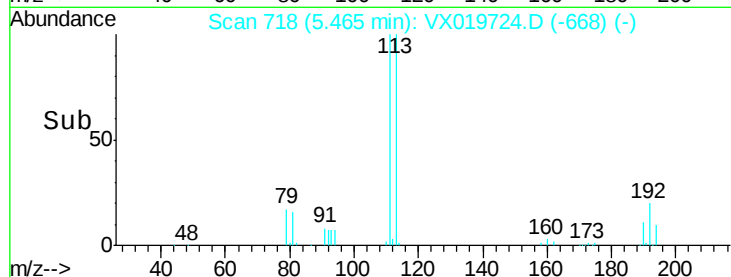
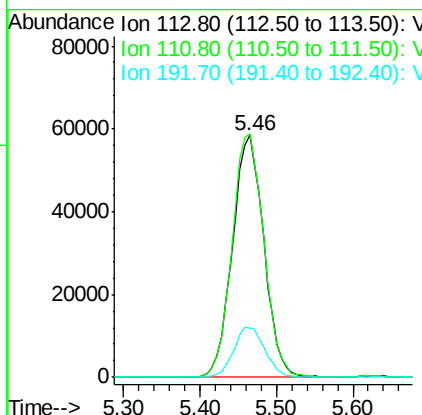
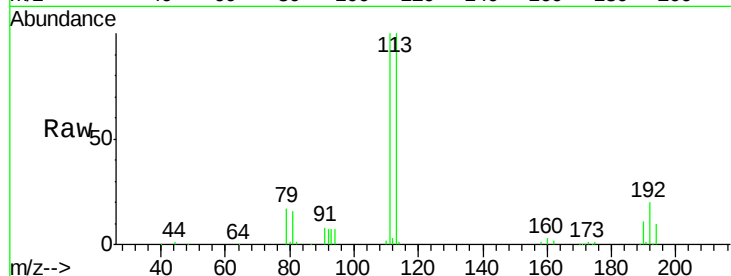




#35
 Dibromofluoromethane
 Concen: 46.876 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019724.D
 Acq: 04 Dec 2020 18:07

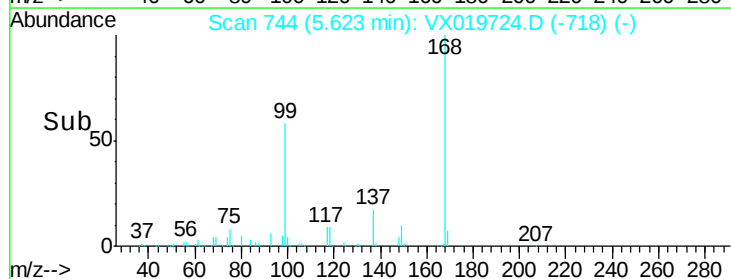
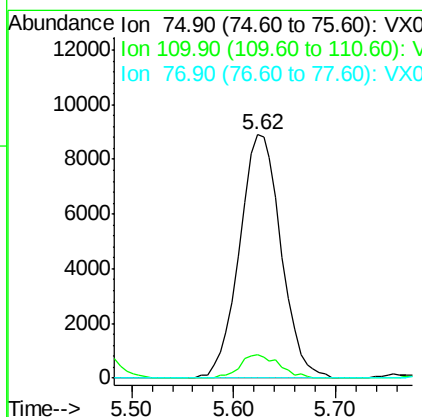
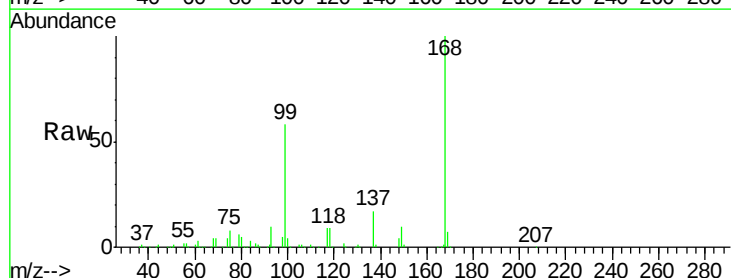
Instrument :
 MSVOA_X
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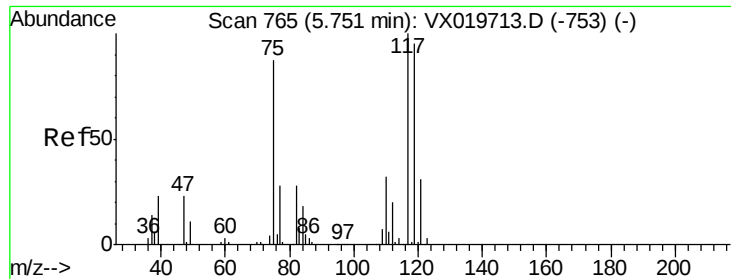
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	20.7	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019724.D
 Acq: 04 Dec 2020 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#

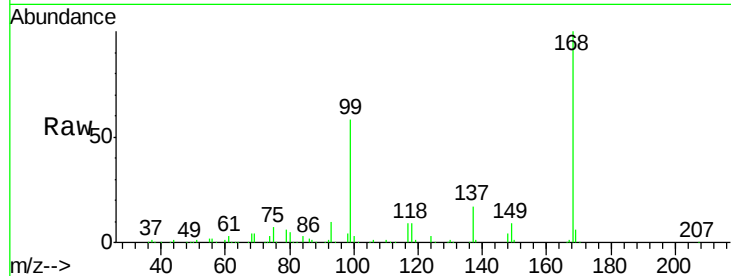




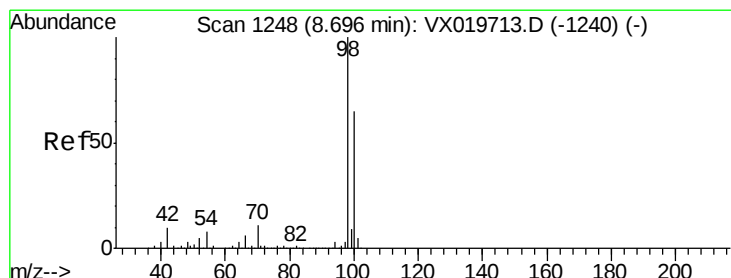
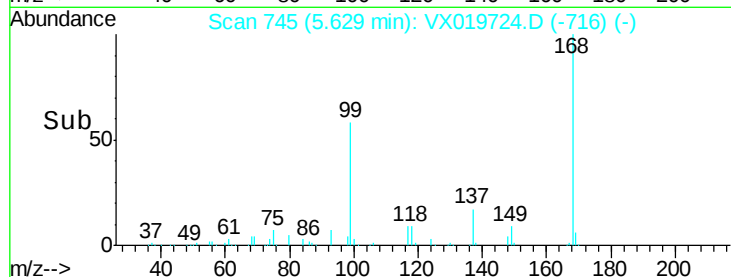
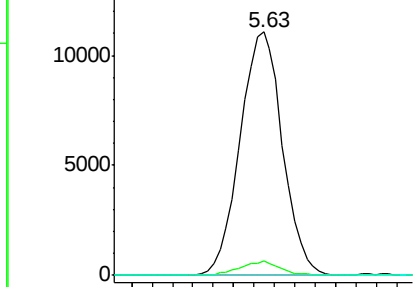
#38
Carbon Tetrachloride
Concen: 6.595 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019724.D
Acq: 04 Dec 2020 18:07

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

Tot Ion:117 Resp: 31981
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#

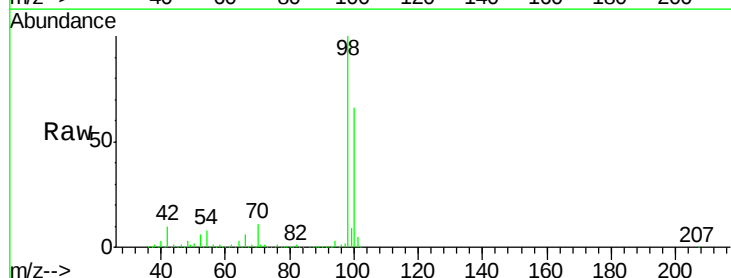


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

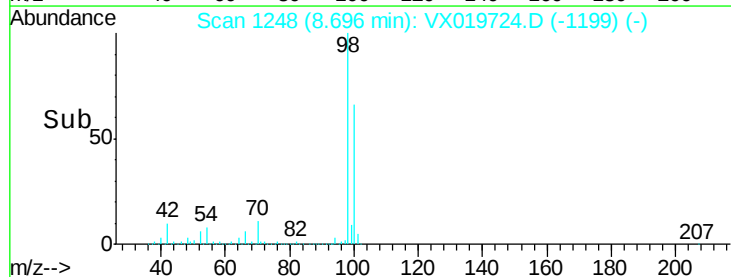
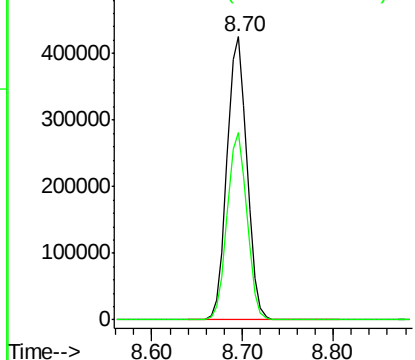


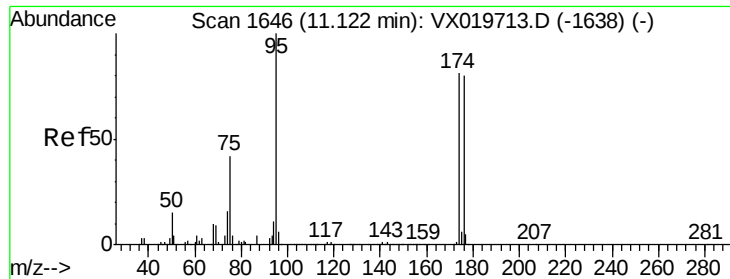
#50
Toluene-d8
Concen: 47.978 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019724.D
Acq: 04 Dec 2020 18:07

Tgt Ion: 98 Resp: 648721
Ion Ratio Lower Upper
98 100
100 65.8 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: 43.989 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019724.D

Acq: 04 Dec 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF

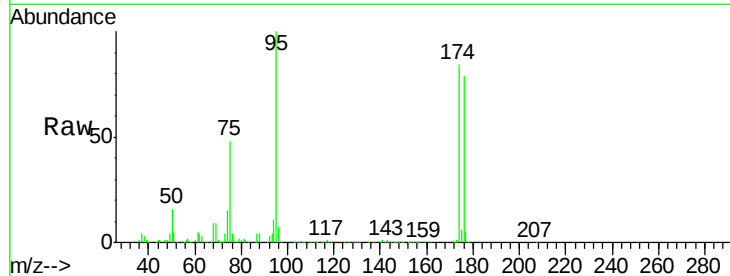
Tot Ion: 95 Resp: 226383

Ion Ratio Lower Upper

95 100

174 79.4 0.0 154.6

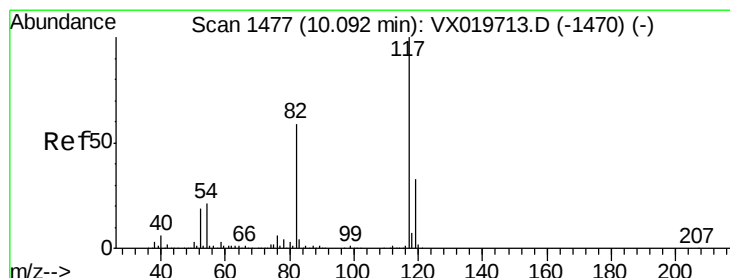
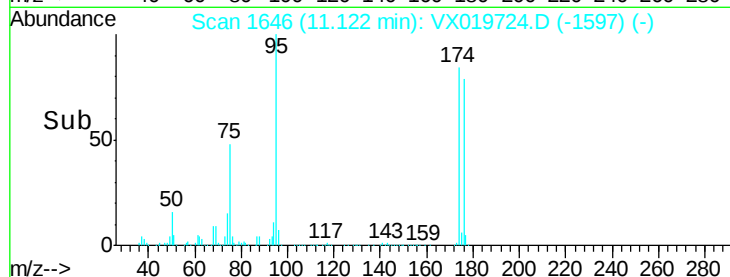
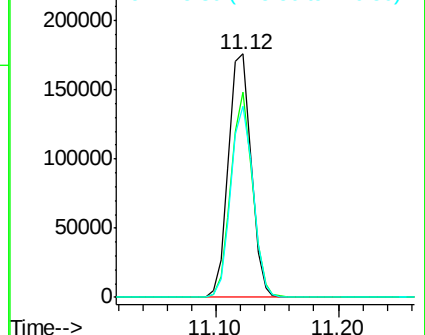
176 76.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019724.D

Acq: 04 Dec 2020 18:07

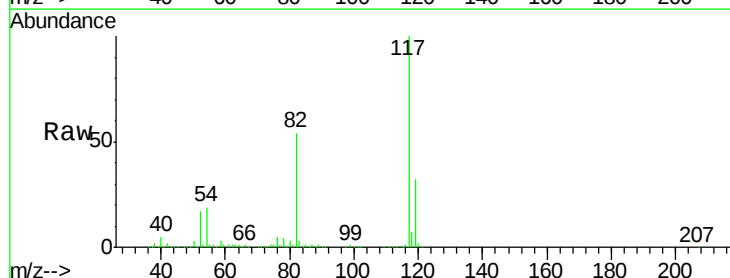
Tgt Ion: 117 Resp: 484036

Ion Ratio Lower Upper

117 100

82 54.3 47.4 71.2

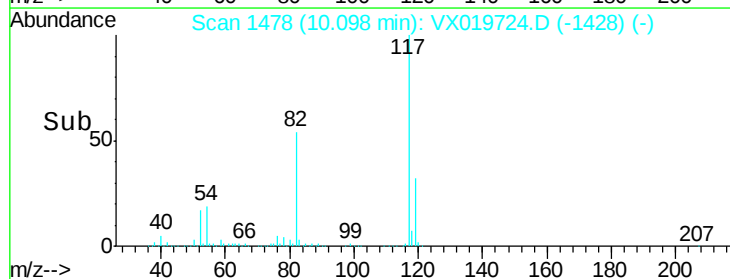
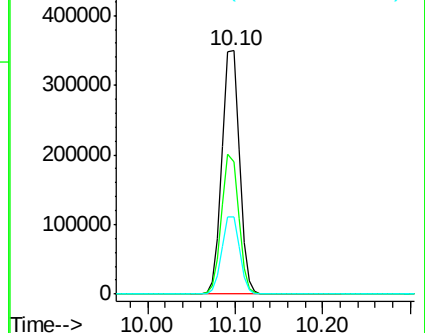
119 31.8 26.6 39.8

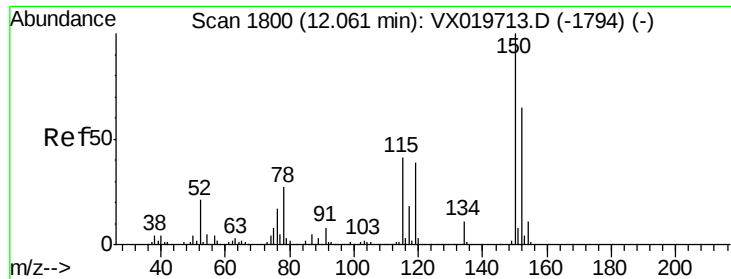


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019724.D

Acq: 04 Dec 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF

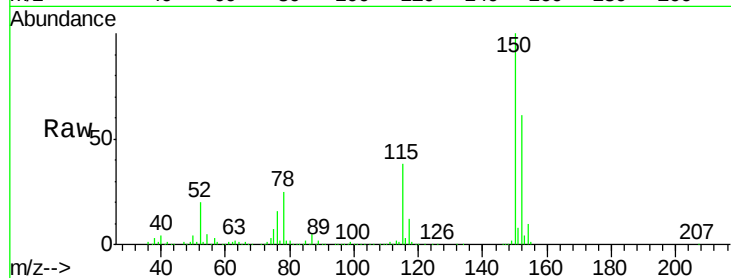
Tot Ion:152 Resp: 207599

Ion Ratio Lower Upper

152 100

115 61.1 41.1 123.3

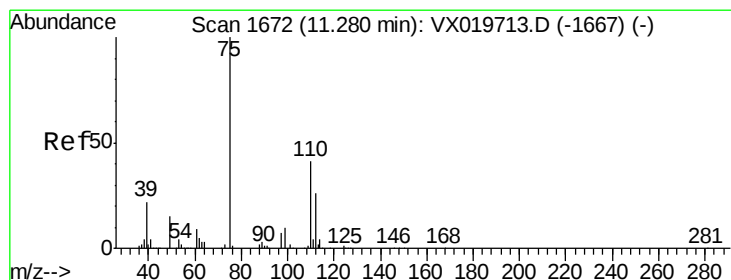
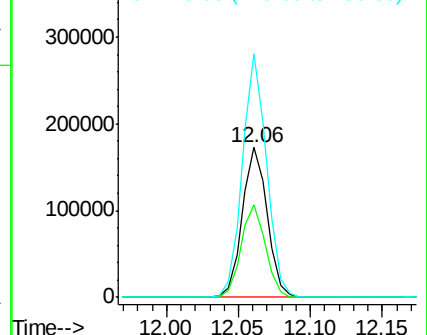
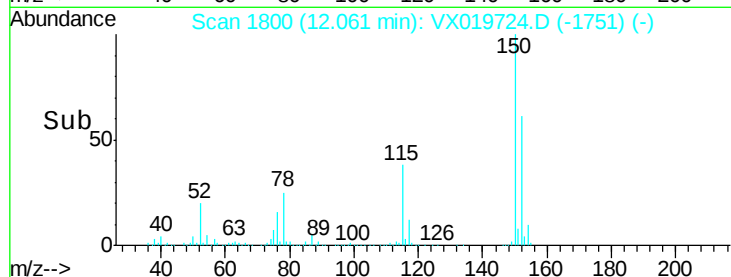
150 158.2 0.0 349.0



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: 23.675 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019724.D

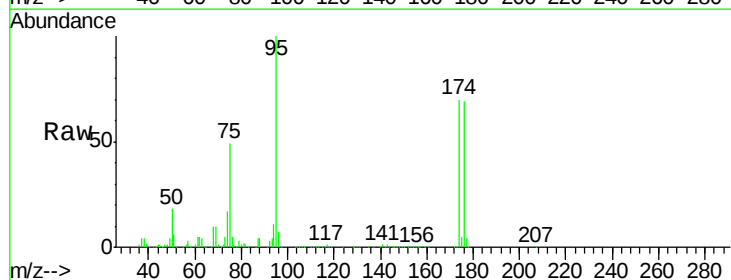
Acq: 04 Dec 2020 18:07

Tgt Ion: 75 Resp: 110233

Ion Ratio Lower Upper

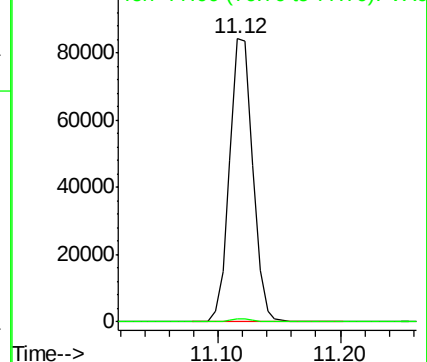
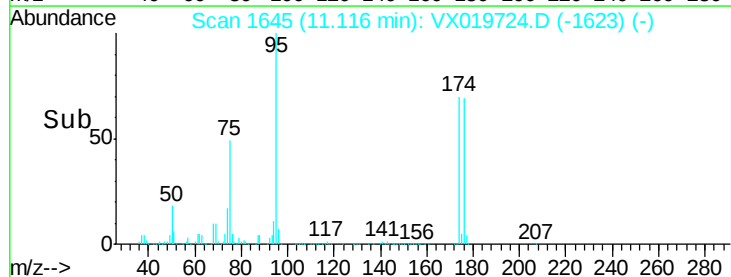
75 100

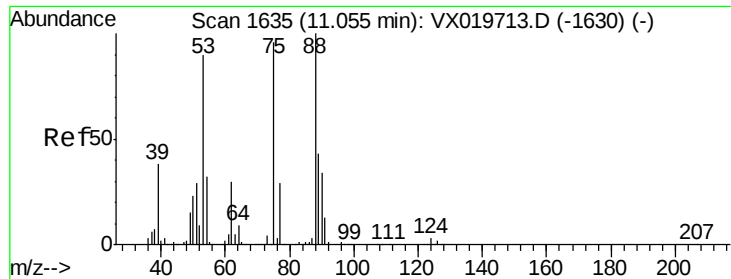
77 1.2 19.1 57.5#



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: 68.440 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019724.D

Acq: 04 Dec 2020 18:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF

Tot Ion: 75 Resp: 110233

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.1 37.9 56.9#

