

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
 Data File : VX019149.D
 Acq On : 27 Oct 2020 20:10
 Operator : JC/MD
 Sample : L4504-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Oct 28 02:30:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	320778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	556487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	533011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	269734	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	209571	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	5.46	113	170142	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.70	98	687991	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.12	95	267187	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	

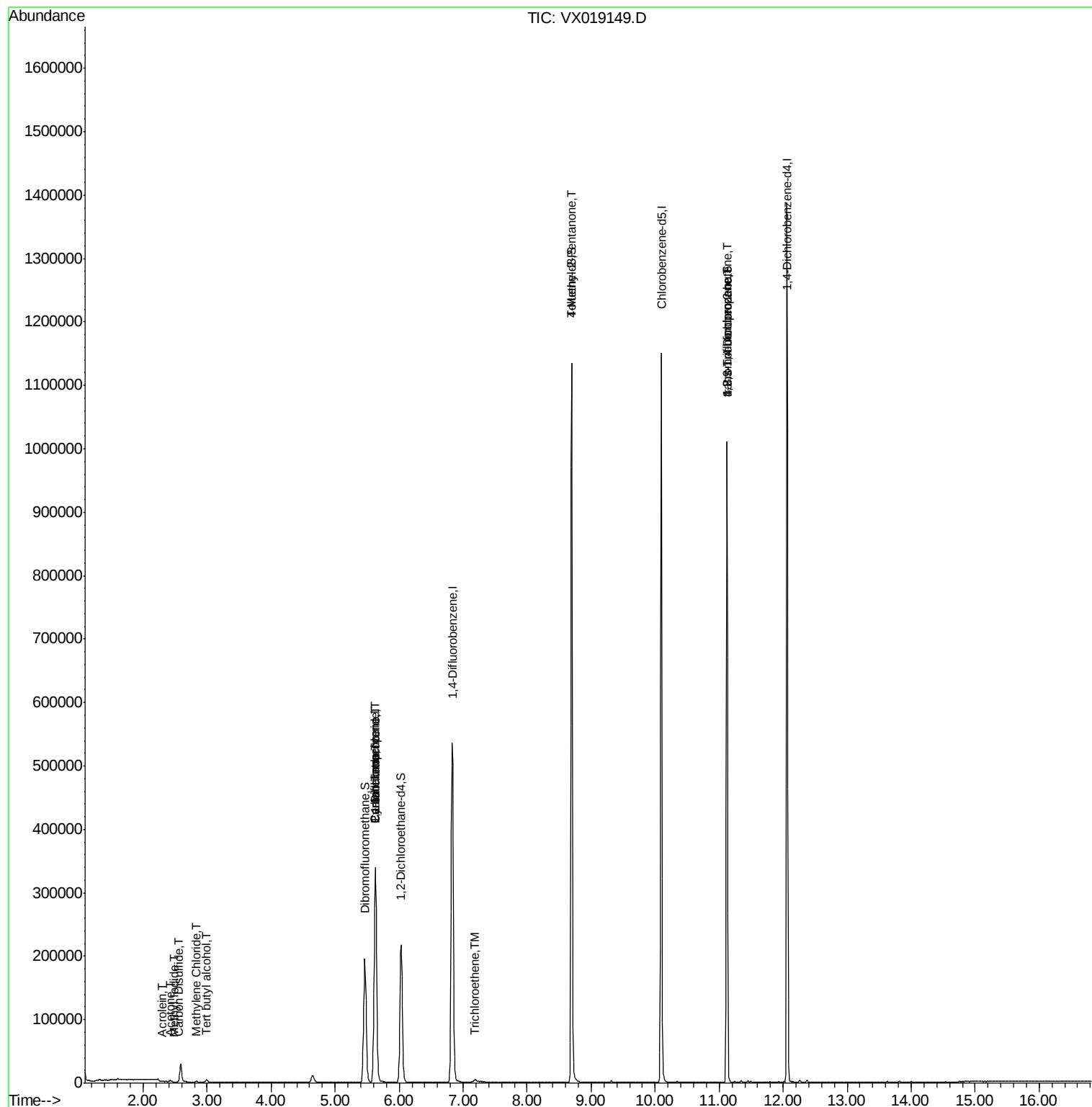
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.48	142	43	6.389	ug/l #	39
11) Tert butyl alcohol	2.99	59	2310	2.827	ug/l #	72
13) Acrolein	2.29	56	98	5.910	ug/l #	16
16) Acetone	2.42	43	2154	1.509	ug/l	100
17) Carbon Disulfide	2.55	76	1075	0.879	ug/l	97
20) Methylene Chloride	2.83	84	786	0.219	ug/l #	94
31) Cyclohexane	5.63	56	6688	1.279	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24903	4.846	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32533	6.211	ug/l #	16
44) Trichloroethene	7.18	130	1117	0.268	ug/l	90
51) 4-Methyl-2-Pentanone	8.70	43	3121	0.680	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	136146	24.445	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	136146	64.364	ug/l #	12

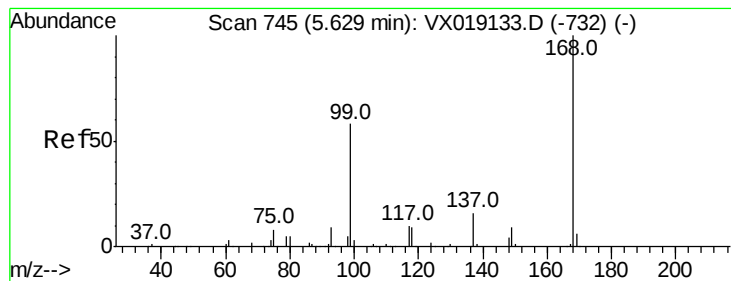
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102720\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

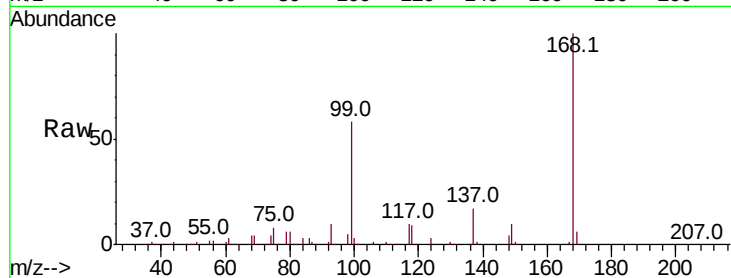
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 320778

Ion Ratio Lower Upper

168 100

99 58.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

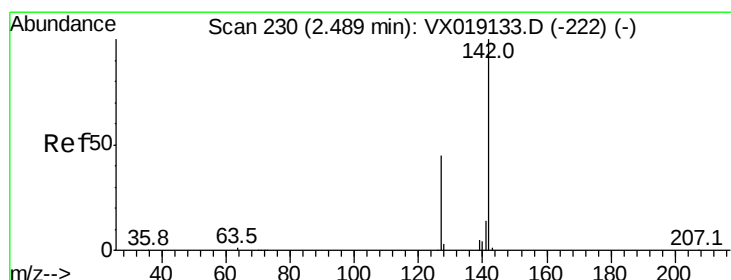
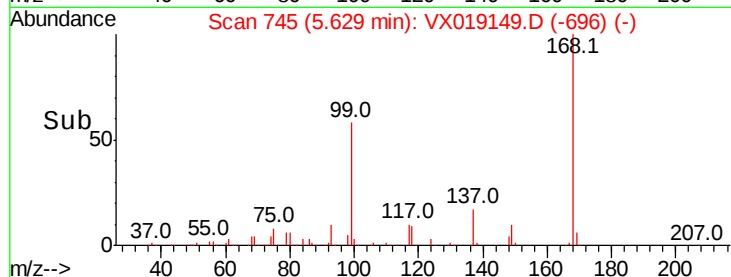
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.389 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

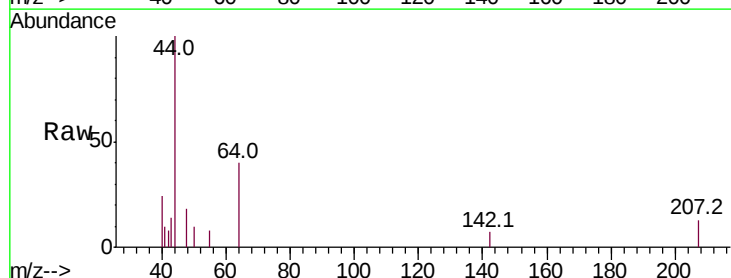
Tgt Ion:142 Resp: 43

Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#



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

80

60

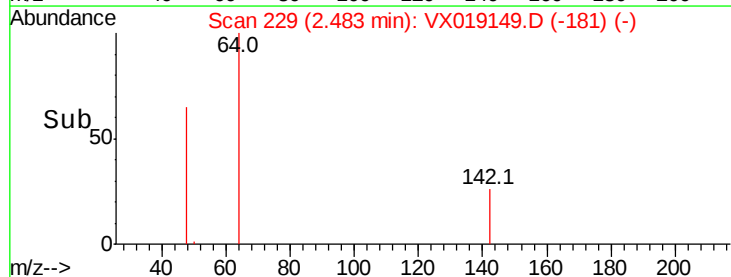
40

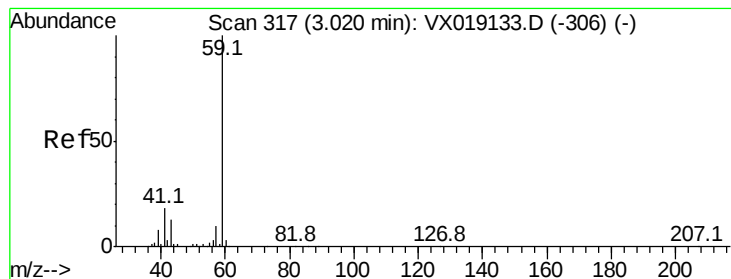
20

0

Time-->

2.46 2.48 2.50



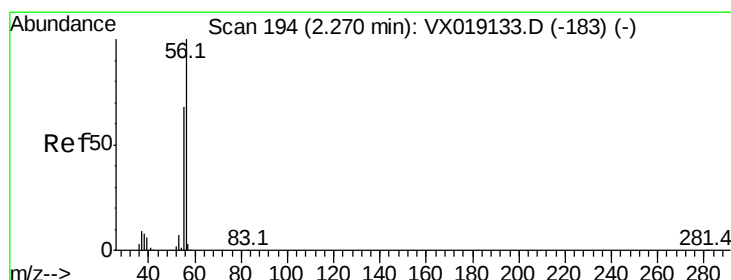
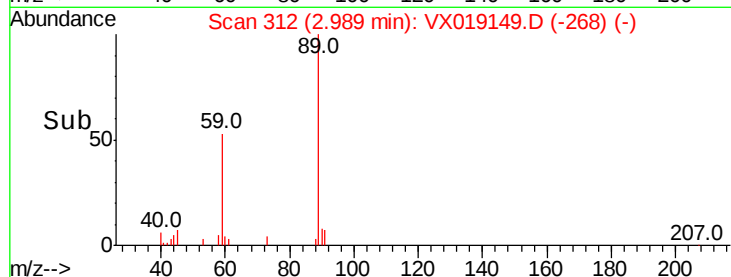
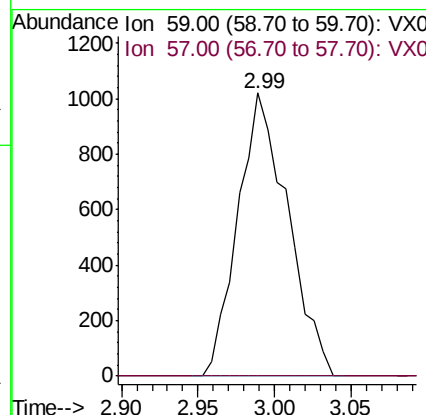
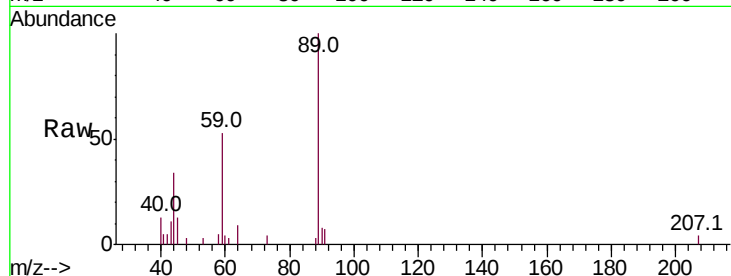


#11

Tert butyl alcohol
 Concen: 2.827 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.03 min
 Lab File: VX019149.D
 Acq: 27 Oct 2020 20:10

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

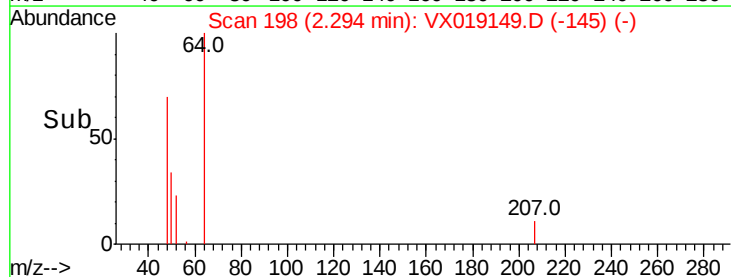
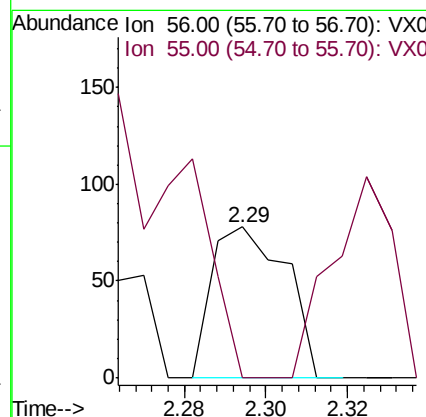
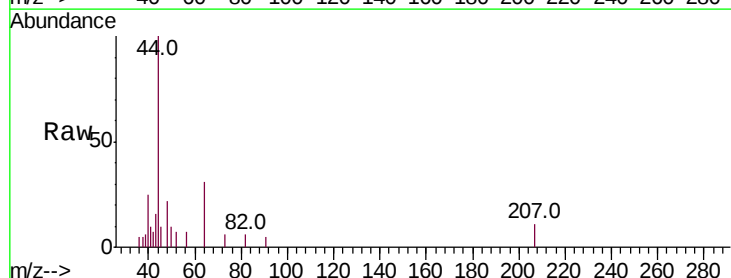
Tot Ion: 59 Resp: 2310
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

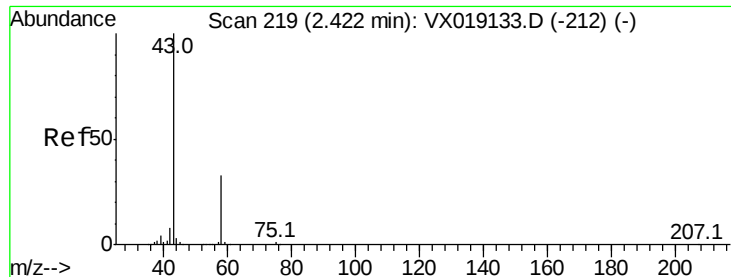


#13

Acrolein
 Concen: 5.910 ug/l
 RT: 2.29 min Scan# 198
 Delta R.T. 0.03 min
 Lab File: VX019149.D
 Acq: 27 Oct 2020 20:10

Tgt Ion: 56 Resp: 98
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#16

Acetone

Concen: 1.509 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

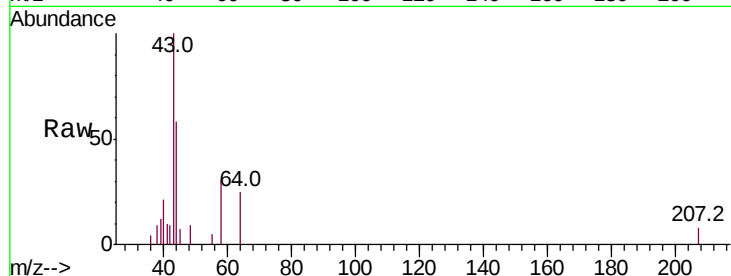
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 2154

Ion Ratio Lower Upper

43 100

58 32.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

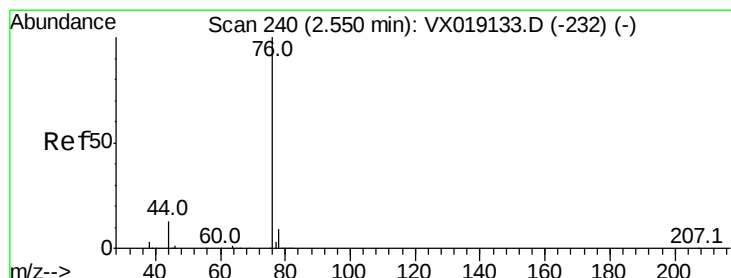
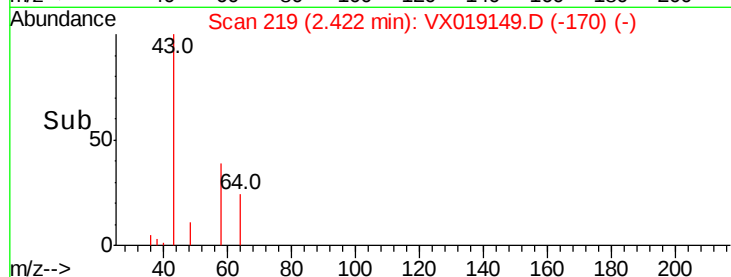
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.879 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019149.D

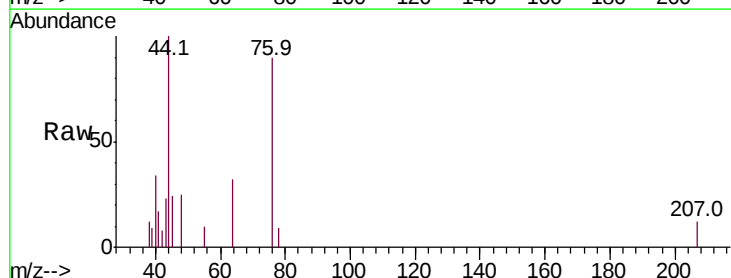
Acq: 27 Oct 2020 20:10

Tgt Ion: 76 Resp: 1075

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

800

600

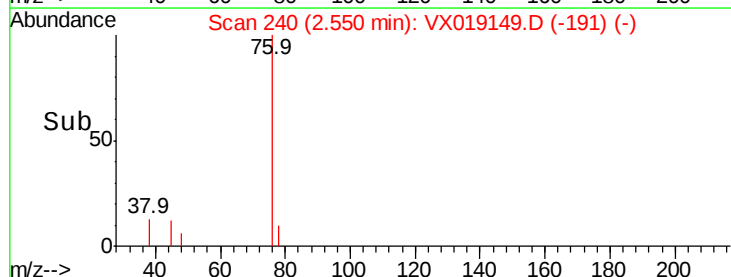
400

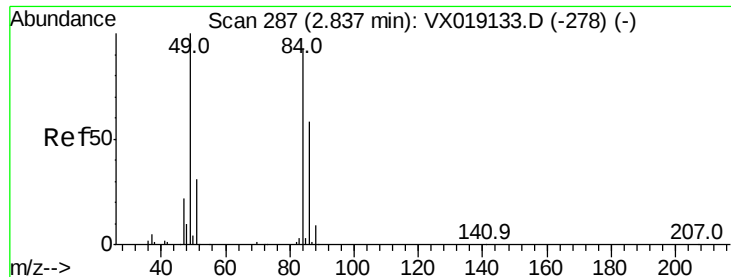
200

0

Time-->

2.50 2.55 2.60

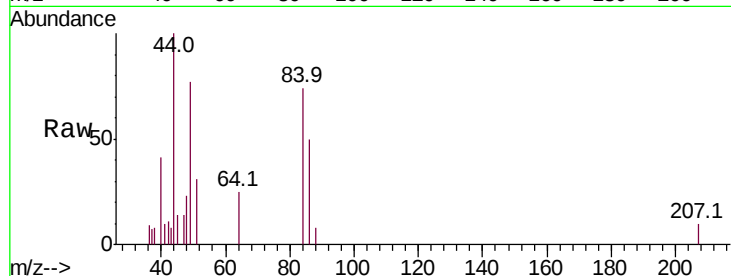




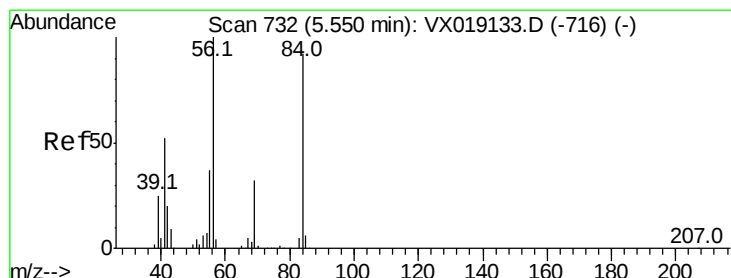
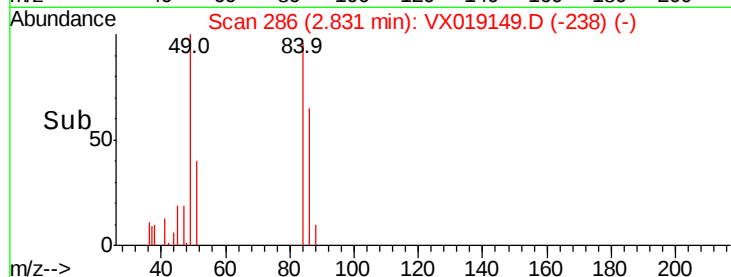
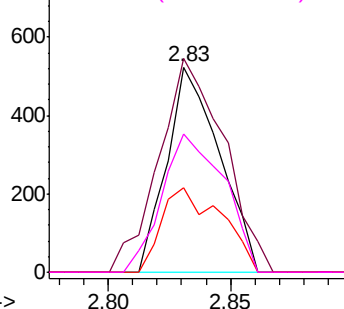
#20
Methvlene Chloride
Concen: 0.219 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019149.D
Acq: 27 Oct 2020 20:10

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

Tot Ion: 84 Resp: 786
Ion Ratio Lower Upper
84 100
49 104.0 86.8 130.2
51 41.4 27.3 40.9#
86 67.4 50.6 76.0

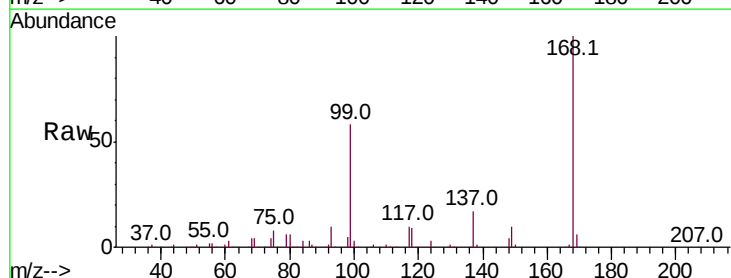


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

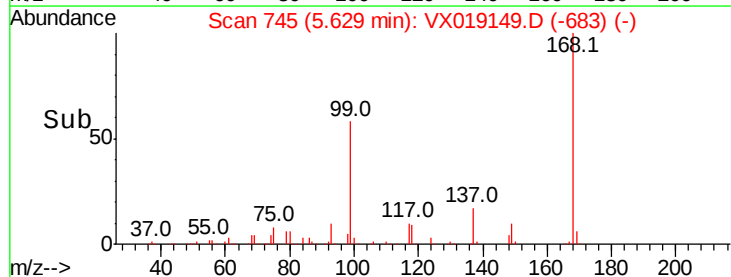
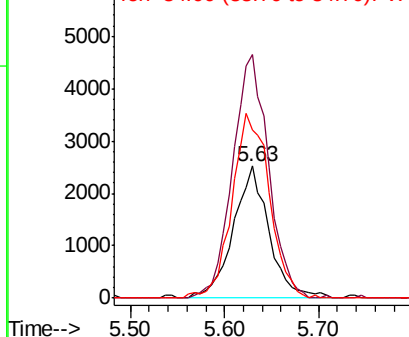


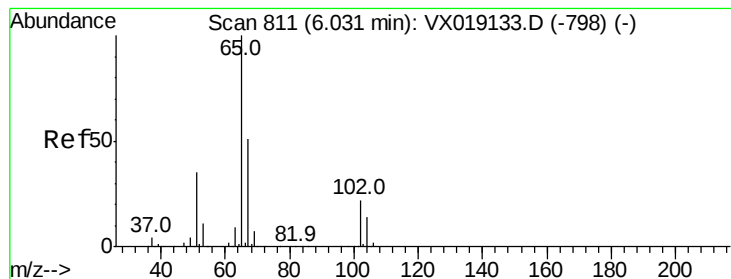
#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019149.D
Acq: 27 Oct 2020 20:10

Tgt Ion: 56 Resp: 6688
Ion Ratio Lower Upper
56 100
69 184.9 25.9 38.9#
84 128.0 73.4 110.2#



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: 50.660 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

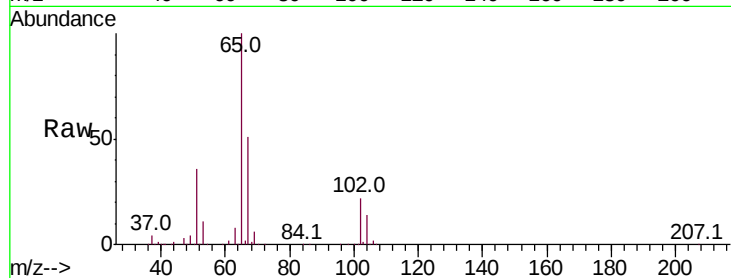
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 209571

Ion Ratio Lower Upper

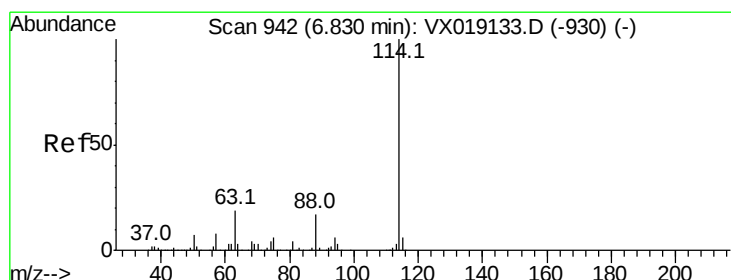
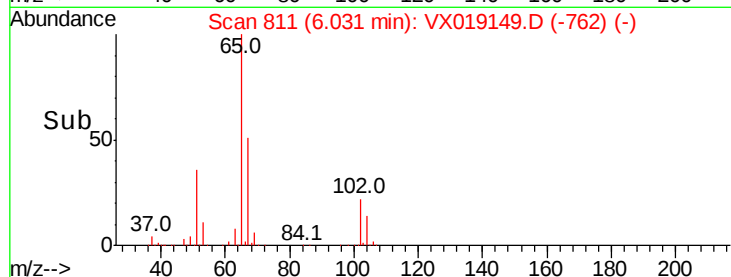
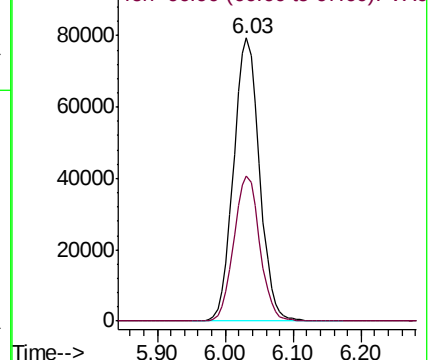
65 100

67 51.5 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

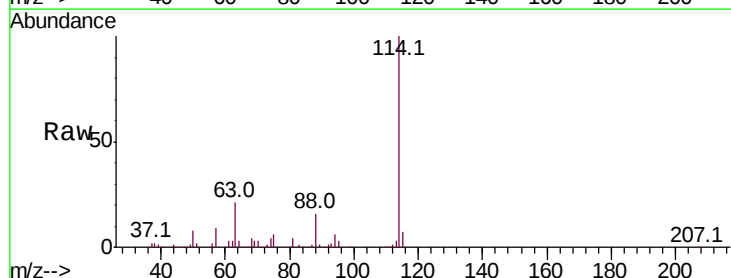
Tgt Ion:114 Resp: 556487

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

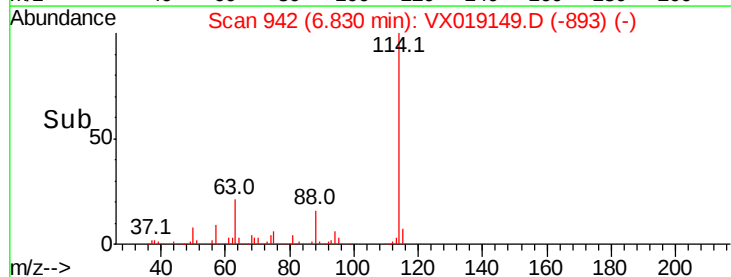
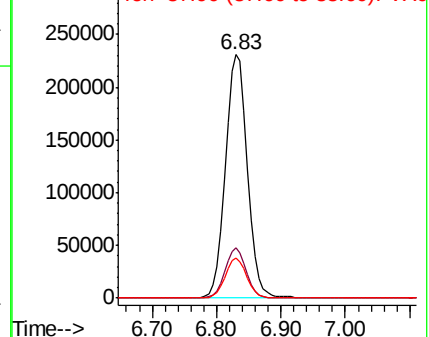
88 16.3 0.0 34.2

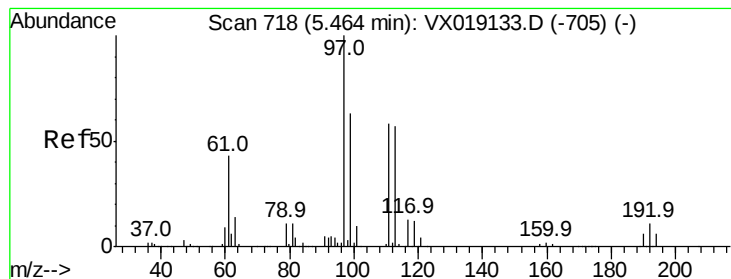


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.675 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

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ClientSampleId :

STORAGE-BLANK-WATER-REF-4

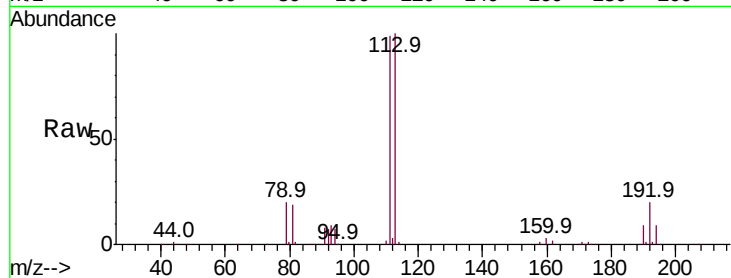
Tot Ion:113 Resp: 170142

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

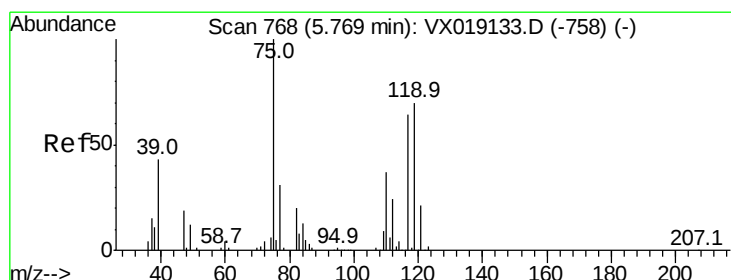
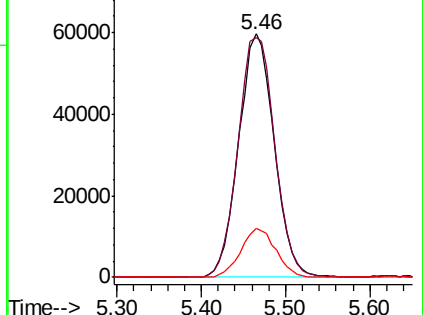
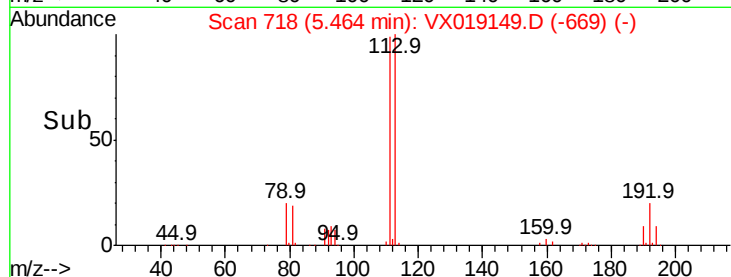
192 19.7 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.846 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

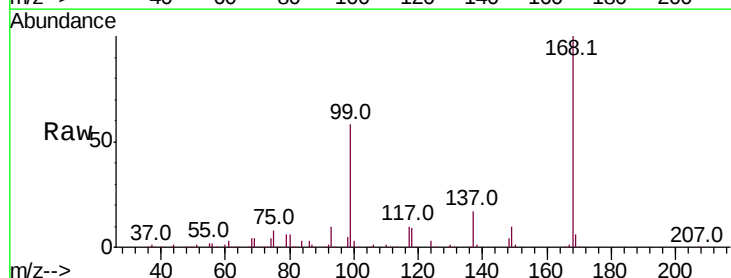
Tgt Ion: 75 Resp: 24903

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.9#

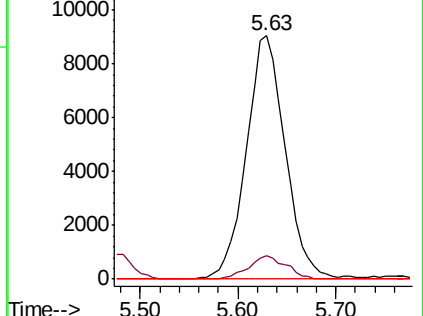
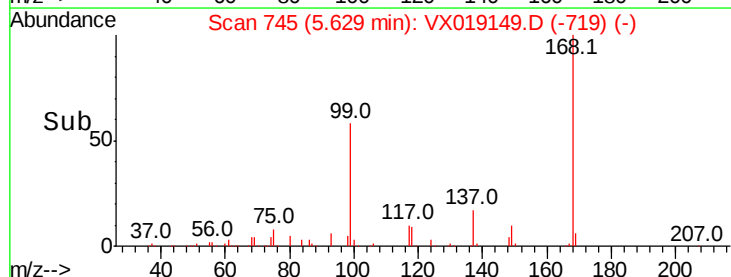
77 0.0 24.9 37.3#

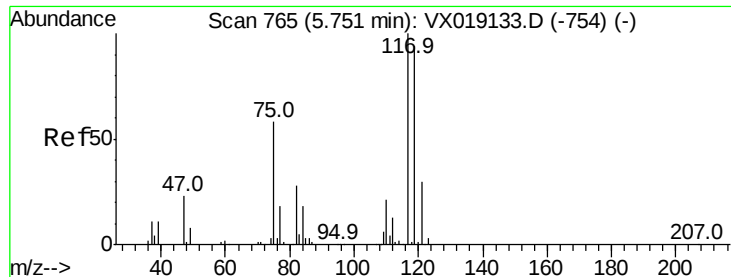


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.211 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

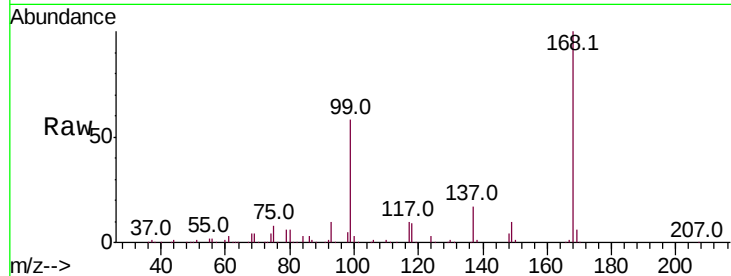
Tot Ion:117 Resp: 32533

Ion Ratio Lower Upper

117 100

119 3.6 75.0 112.6#

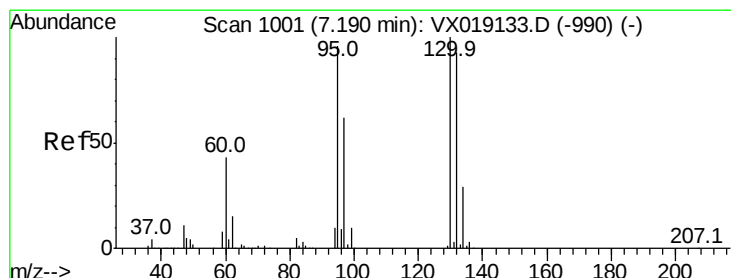
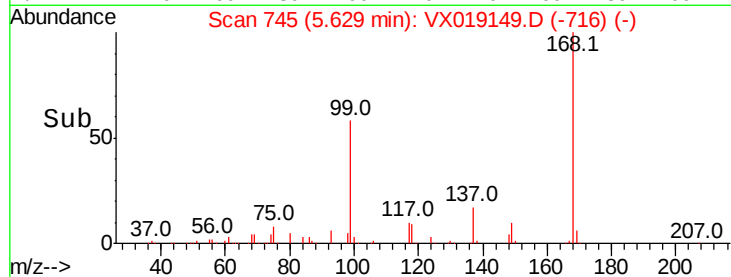
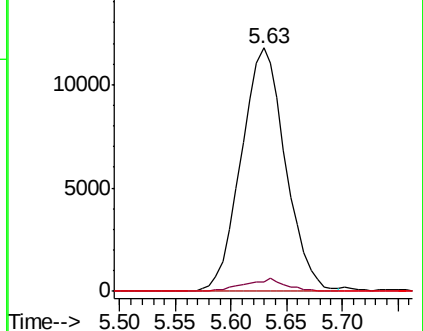
121 0.0 23.9 35.9#



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: 0.268 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX019149.D

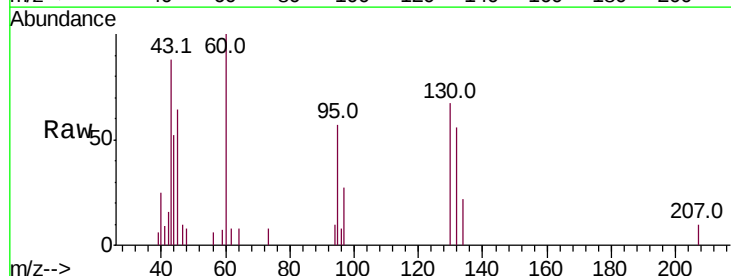
Acq: 27 Oct 2020 20:10

Tgt Ion:130 Resp: 1117

Ion Ratio Lower Upper

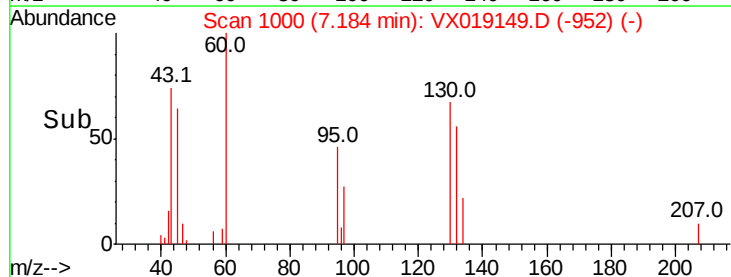
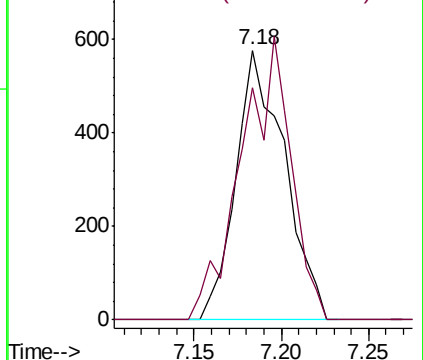
130 100

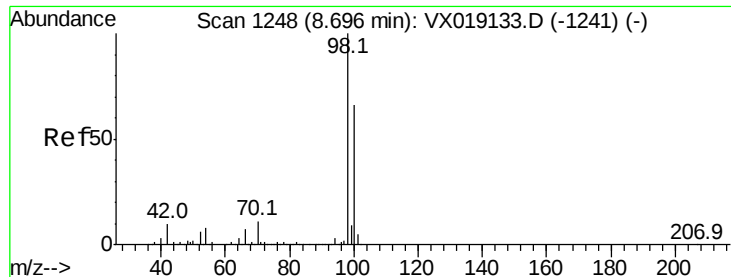
95 86.0 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 52.212 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

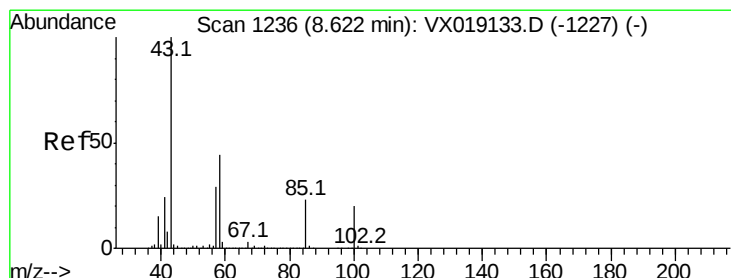
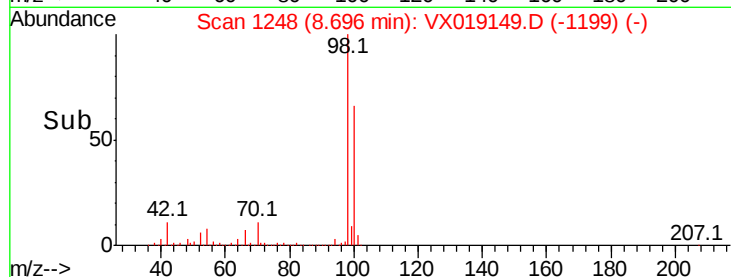
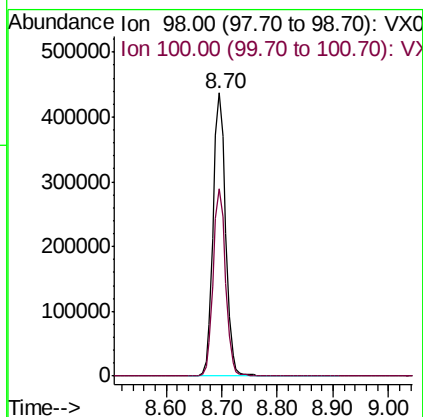
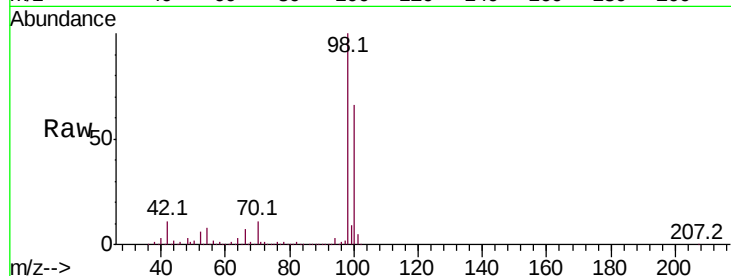
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 687991

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 0.680 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX019149.D

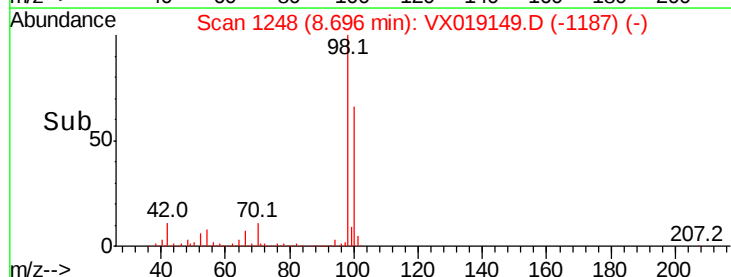
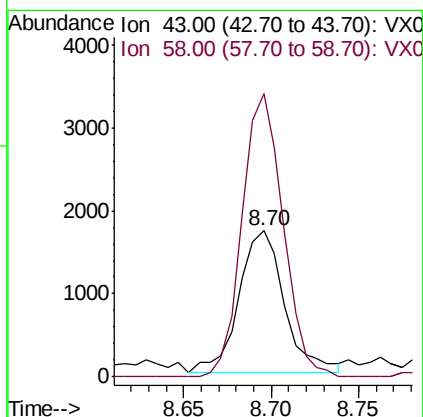
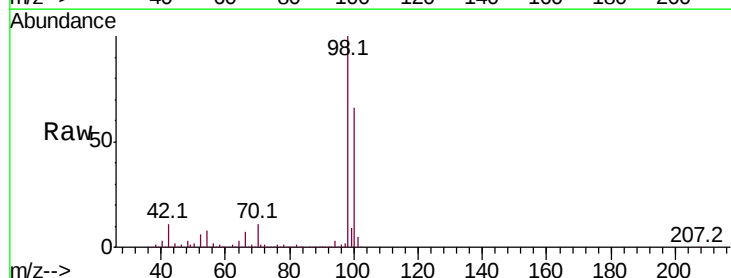
Acq: 27 Oct 2020 20:10

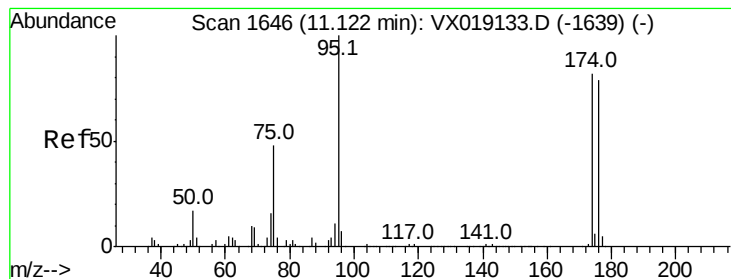
Tgt Ion: 43 Resp: 3121

Ion Ratio Lower Upper

43 100

58 177.6 35.0 52.4#





#62

4-Bromofluorobenzene

Concen: 53.543 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

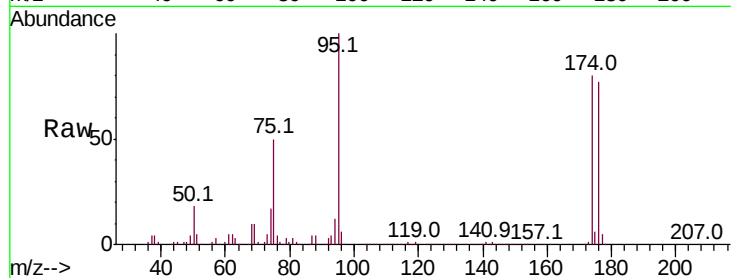
Tot Ion: 95 Resp: 267187

Ion Ratio Lower Upper

95 100

174 77.2 0.0 156.0

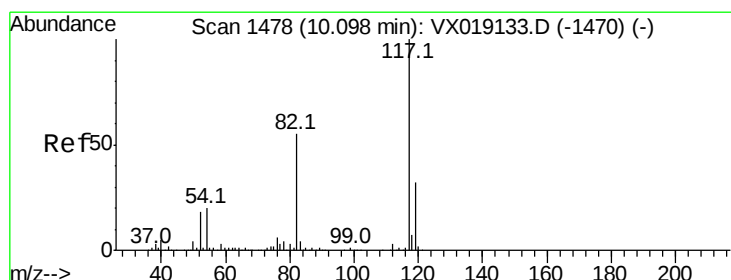
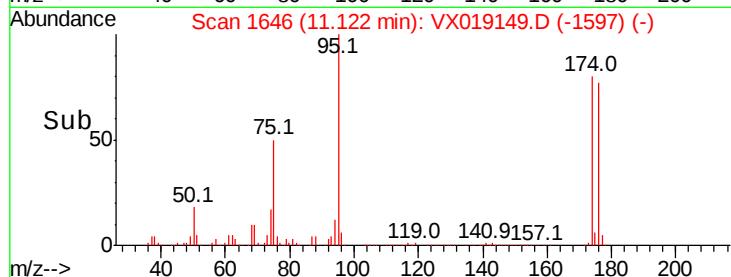
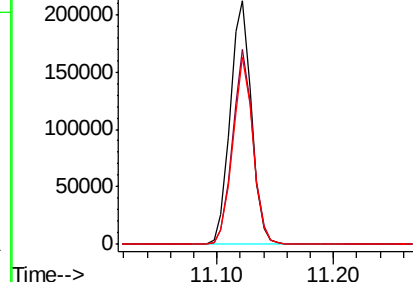
176 74.0 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX019133.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019133.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019133.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

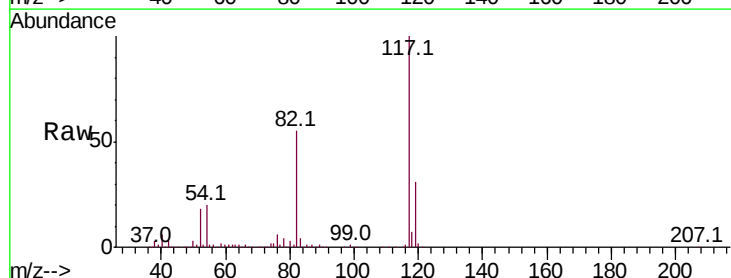
Tgt Ion: 117 Resp: 533011

Ion Ratio Lower Upper

117 100

82 54.8 43.6 65.4

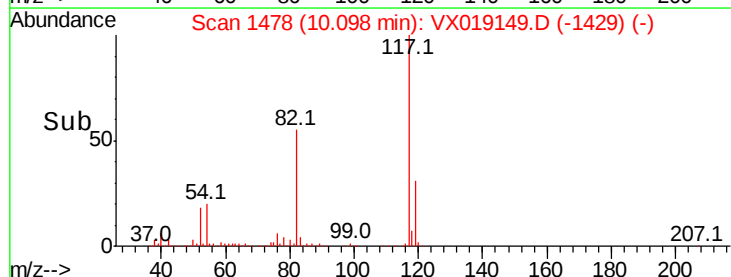
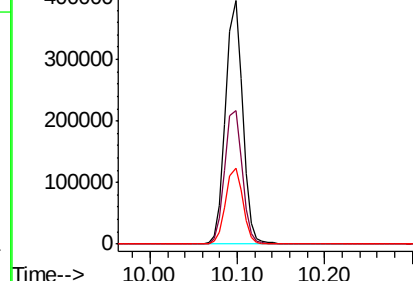
119 31.3 25.5 38.3

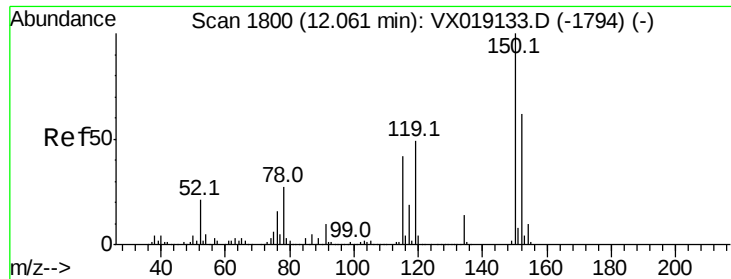


Abundance Ion 116.90 (116.60 to 117.60): VX019133.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019133.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019133.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

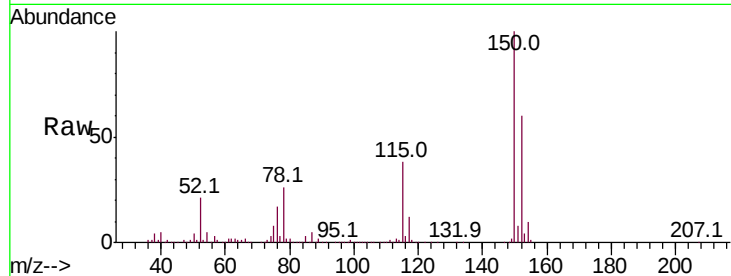
Tot Ion:152 Resp: 269734

Ion Ratio Lower Upper

152 100

115 60.6 41.9 125.7

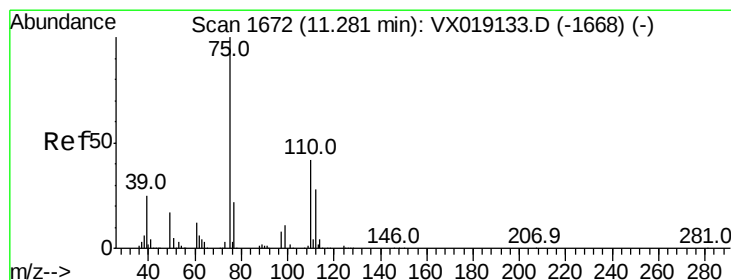
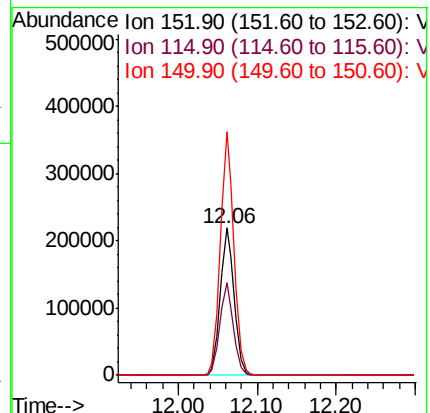
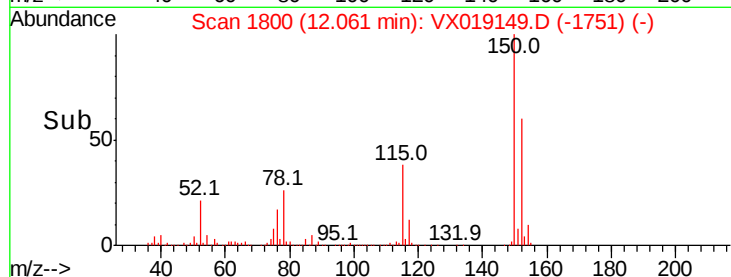
150 160.4 0.0 347.8



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: 24.445 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019149.D

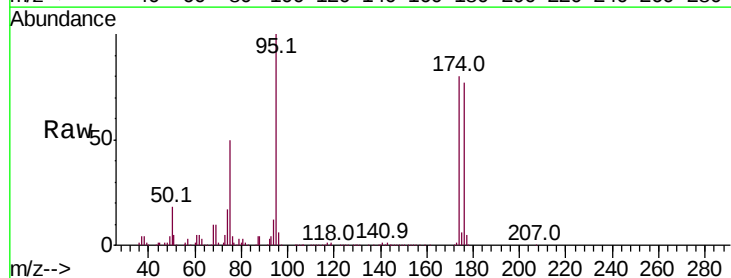
Acq: 27 Oct 2020 20:10

Tgt Ion: 75 Resp: 136146

Ion Ratio Lower Upper

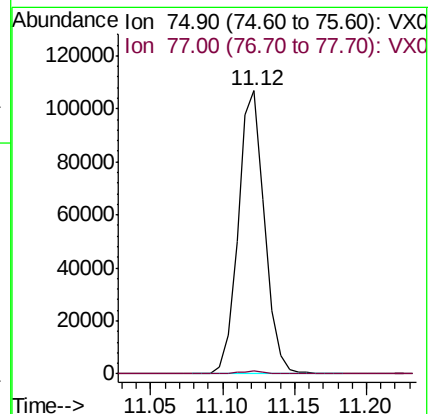
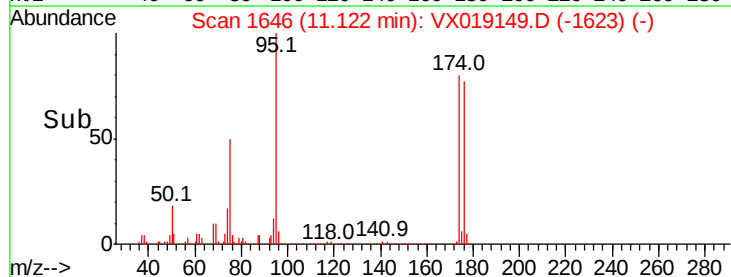
75 100

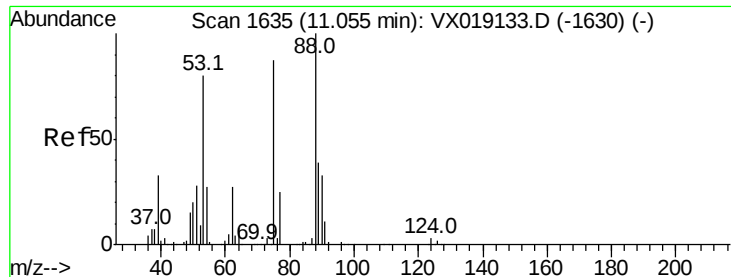
77 1.2 20.3 60.9#



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: 64.364 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019149.D

Acq: 27 Oct 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 136146

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

