

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
 Data File : VX019148.D
 Acq On : 27 Oct 2020 19:48
 Operator : JC/MD
 Sample : L4504-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 28 02:30:25 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	5.64	168	317802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	554026	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	527028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	269873	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	208150	50.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.58%	
35) Dibromofluoromethane	5.46	113	168335	48.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.74%	
50) Toluene-d8	8.70	98	683010	52.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	11.12	95	265775	53.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.00%	

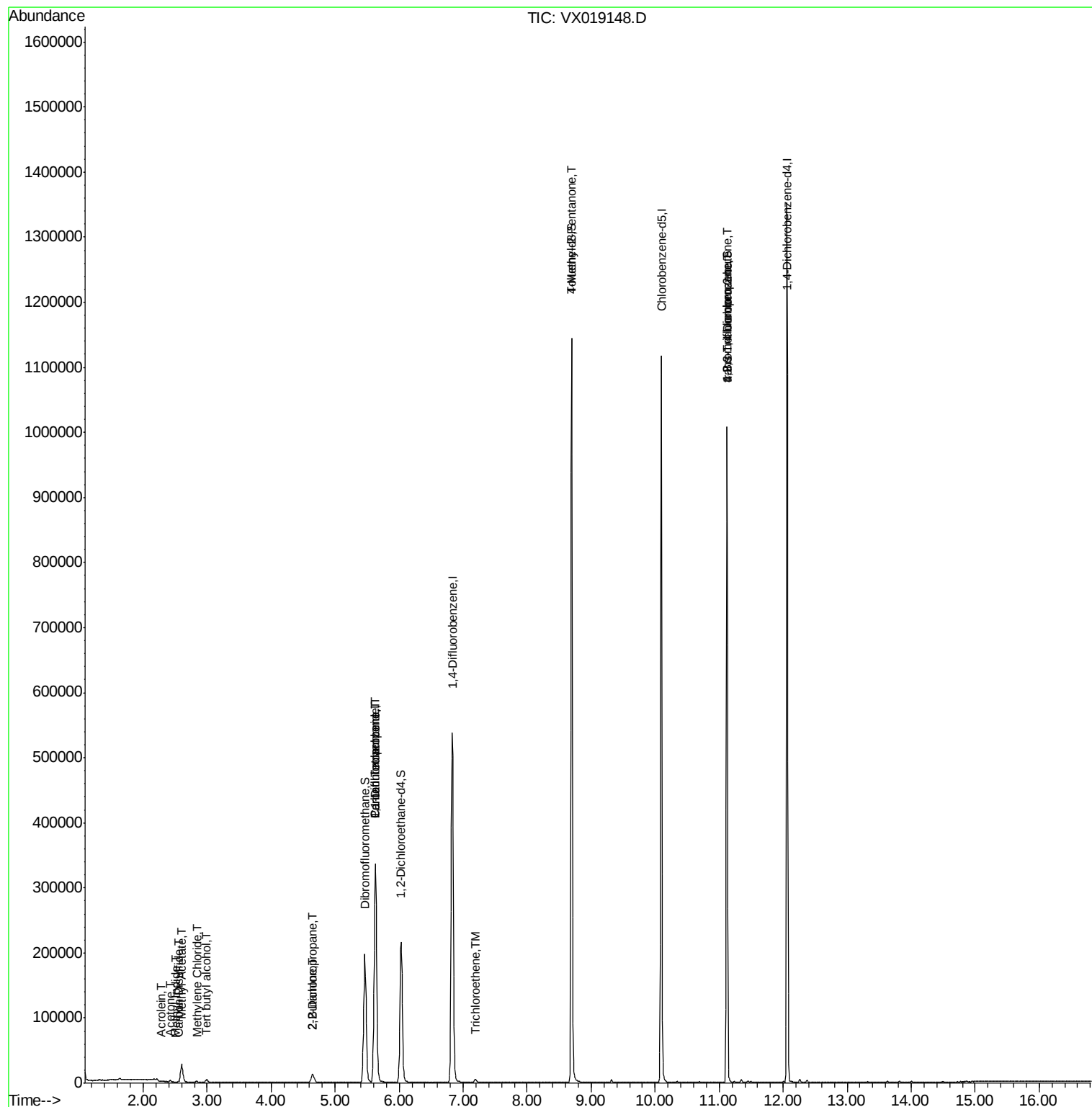
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	66	6.395	ug/l #	39
11) Tert butyl alcohol	2.99	59	2375	2.934	ug/l #	72
13) Acrolein	2.28	56	164	6.091	ug/l #	77
16) Acetone	2.43	43	2122	1.501	ug/l #	80
17) Carbon Disulfide	2.56	76	1120	0.885	ug/l	95
18) Methyl Acetate	2.60	43	10450	3.039	ug/l #	47
20) Methylene Chloride	2.84	84	763	0.215	ug/l #	84
25) 2-Butanone	4.65	43	902	0.405	ug/l #	80
26) 2,2-Dichloropropane	4.65	77	1275	0.234	ug/l #	53
36) 1,1-Dichloropropene	5.63	75	25389	4.963	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32481	6.229	ug/l #	17
44) Trichloroethene	7.19	130	1813	0.436	ug/l	85
51) 4-Methyl-2-Pentanone	8.70	43	2763	0.604	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	135480	24.313	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	135480	64.016	ug/l #	12

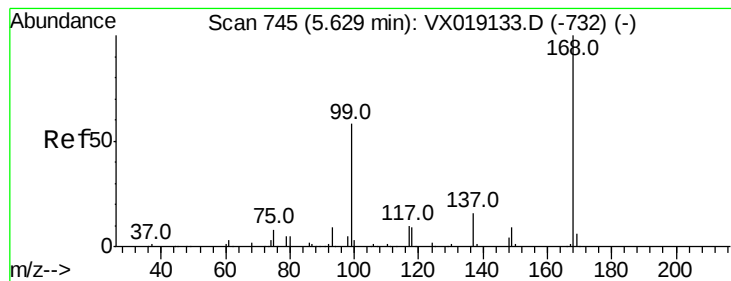
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

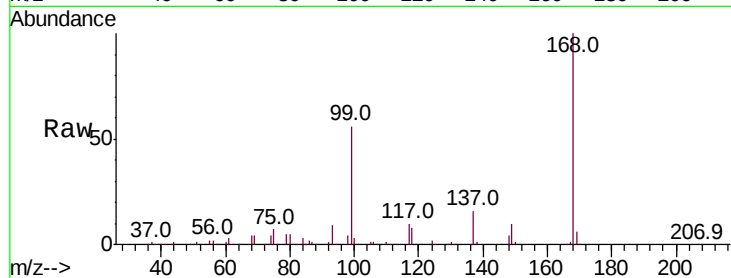
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 317802

Ion Ratio Lower Upper

168 100

99 56.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

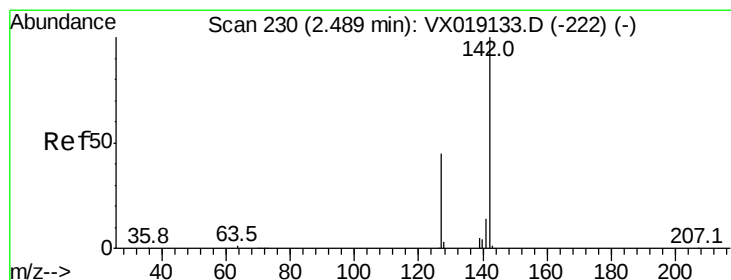
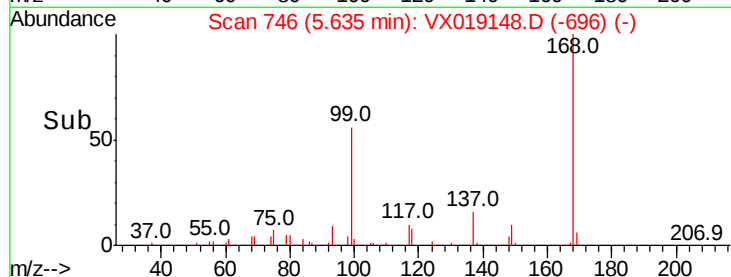
20000

0

5.64

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 6.395 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

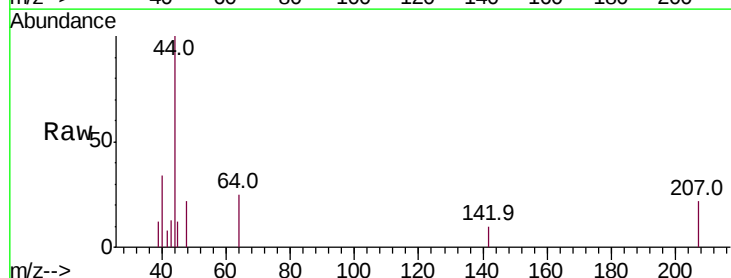
Tgt Ion:142 Resp: 66

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

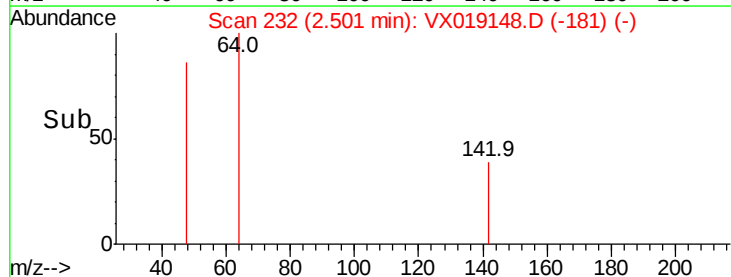
20

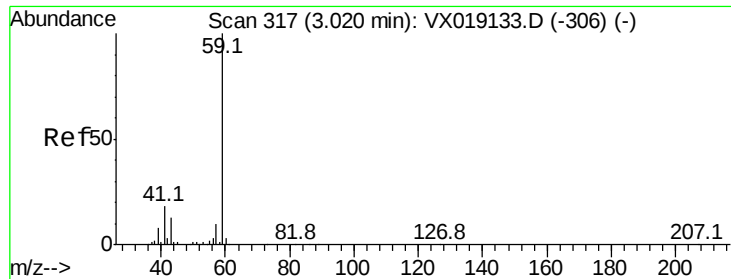
0

2.50

2.46 2.48 2.50 2.52

Time-->

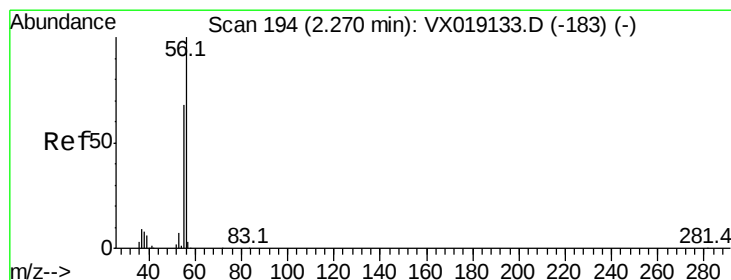
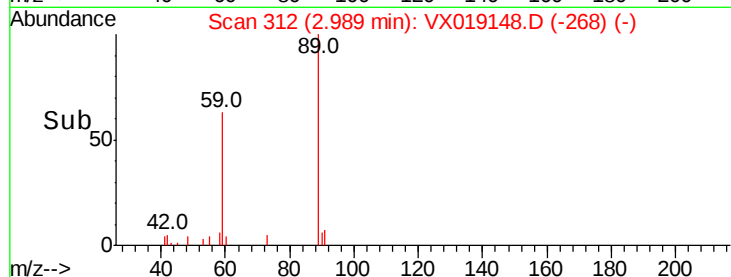
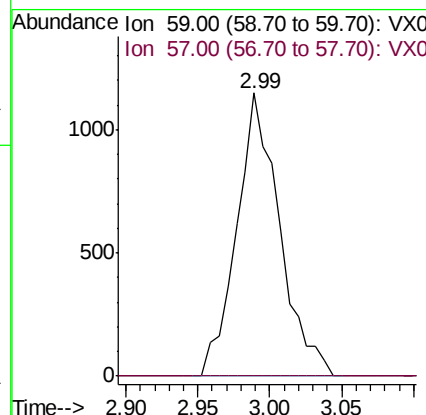
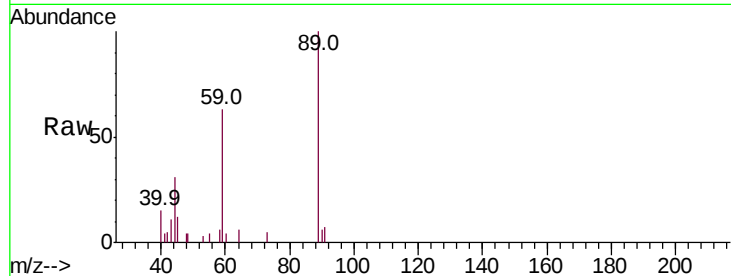




#11
Tert butvl alcohol
Concen: 2.934 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

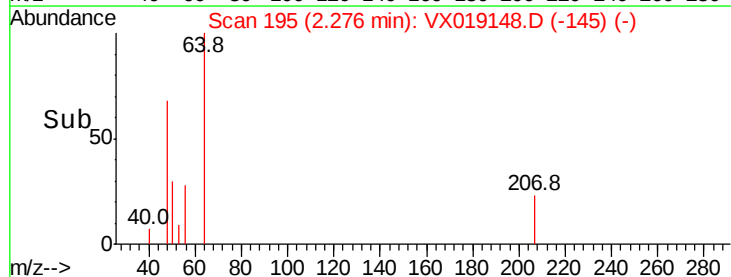
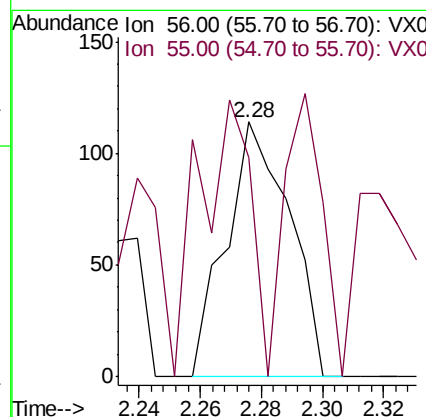
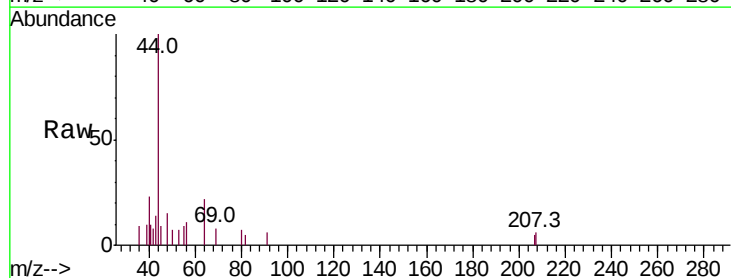
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

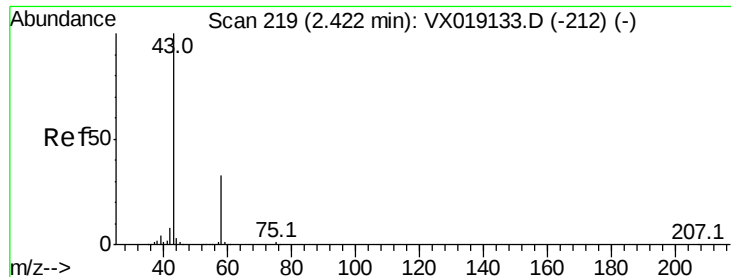
Tot Ion: 59 Resp: 2375
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 6.091 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 87.2 54.7 82.1#





#16

Acetone

Concen: 1.501 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

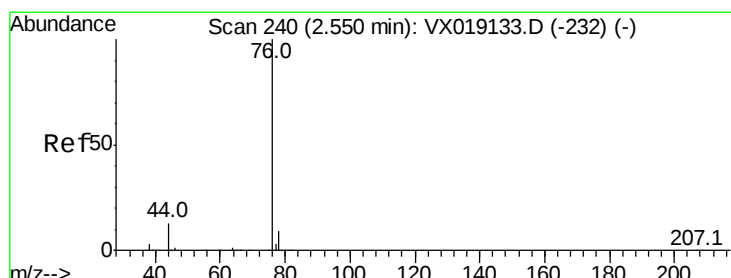
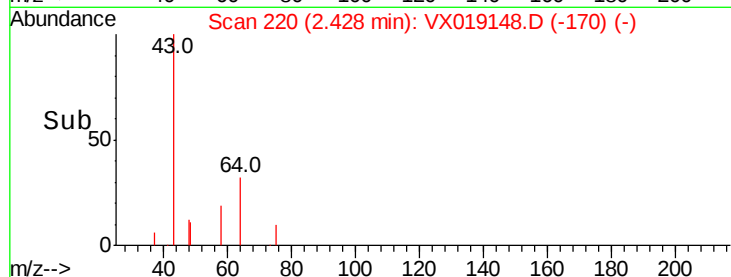
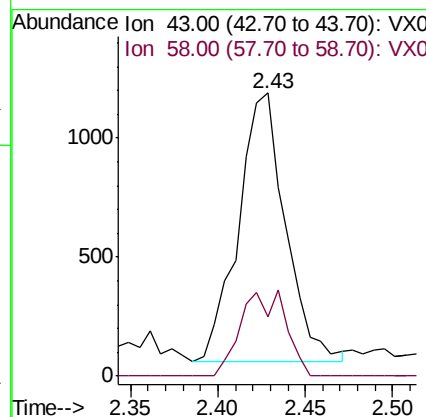
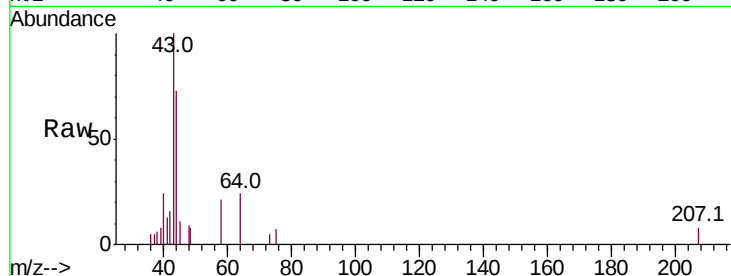
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 2122

Ion Ratio Lower Upper

43 100

58 21.9 26.3 39.5#



#17

Carbon Disulfide

Concen: 0.885 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019148.D

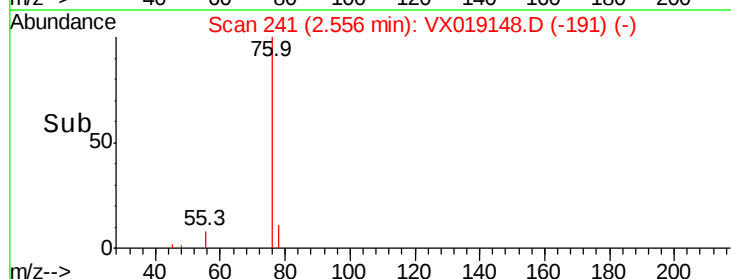
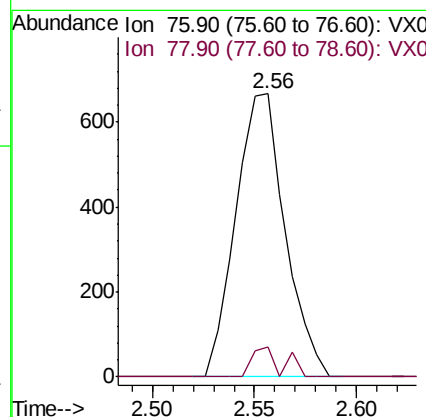
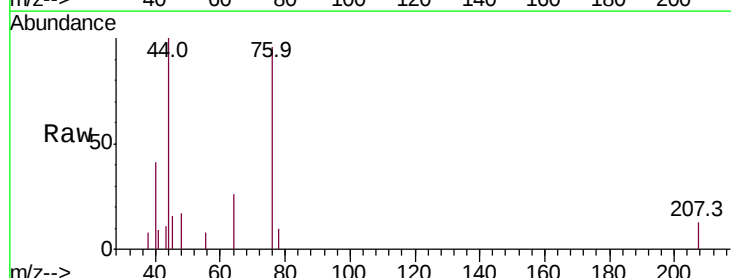
Acq: 27 Oct 2020 19:48

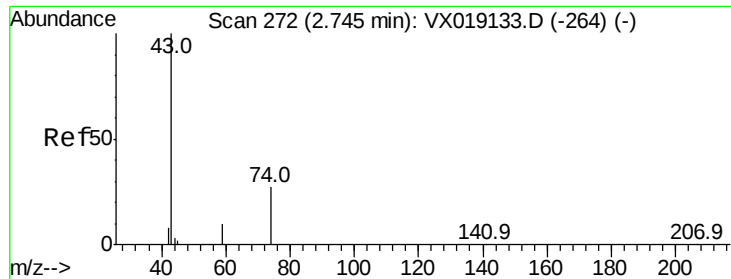
Tgt Ion: 76 Resp: 1120

Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9

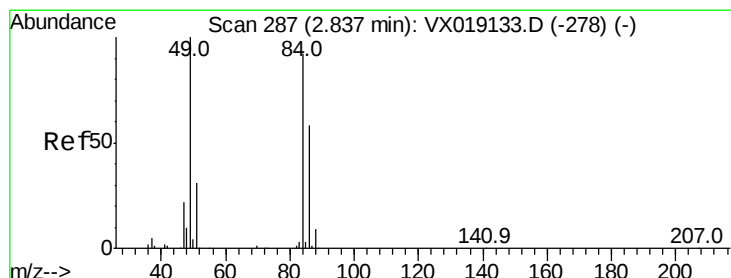
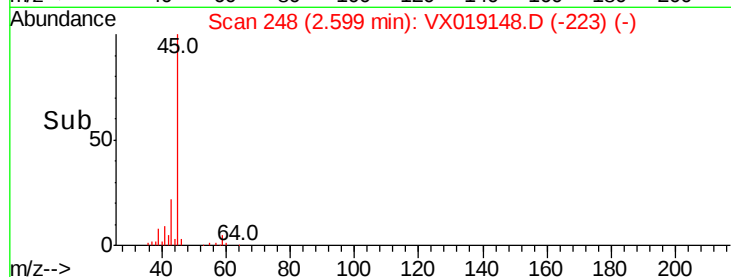
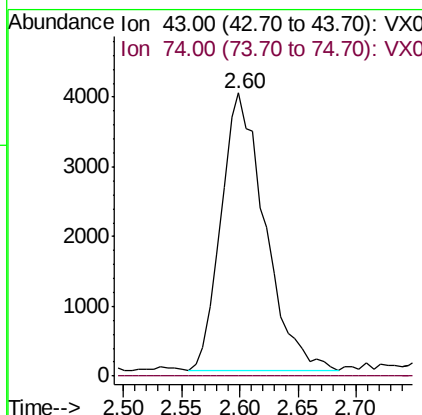
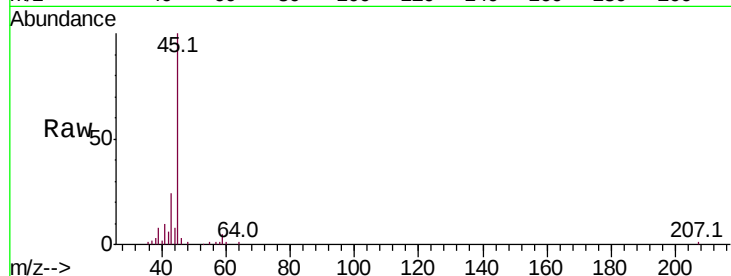




#18
Methyl Acetate
Concen: 3.039 ug/l
RT: 2.60 min Scan# 248
Delta R.T. -0.15 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

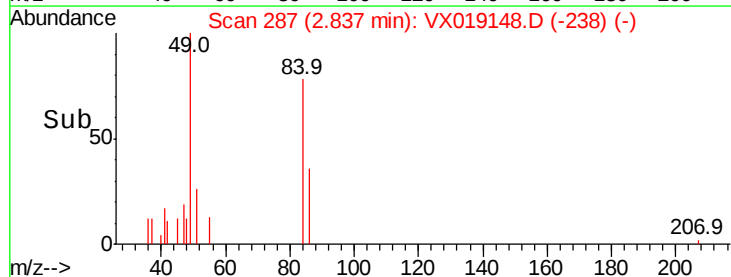
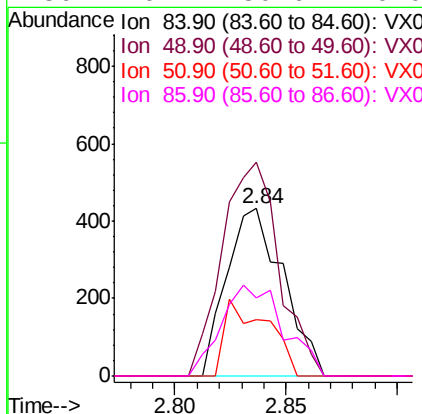
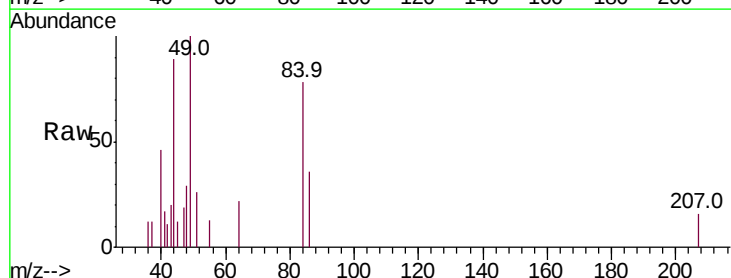
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

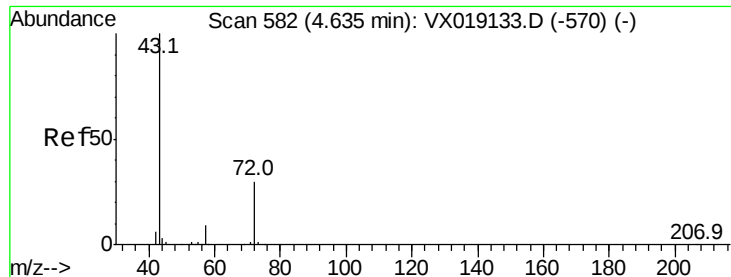
Tot Ion: 43 Resp: 10450
Ion Ratio Lower Upper
43 100
74 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

Tgt Ion: 84 Resp: 763
Ion Ratio Lower Upper
84 100
49 127.5 86.8 130.2
51 33.3 27.3 40.9
86 46.4 50.6 76.0#





#25

2-Butanone

Concen: 0.405 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

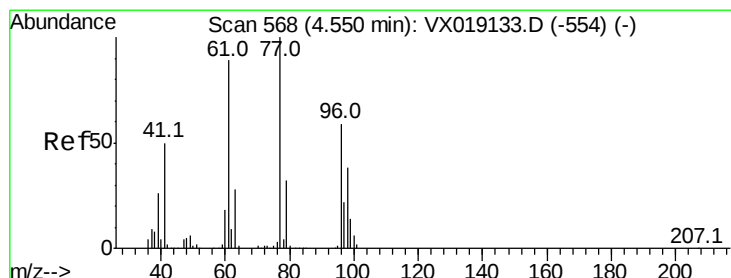
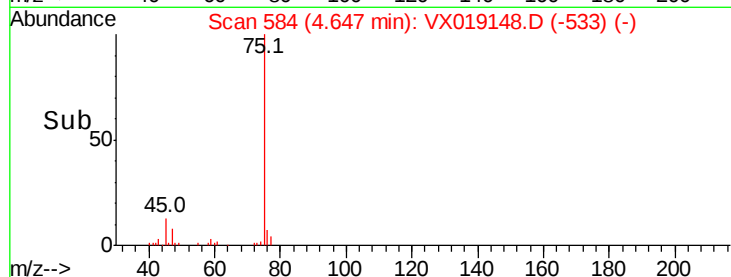
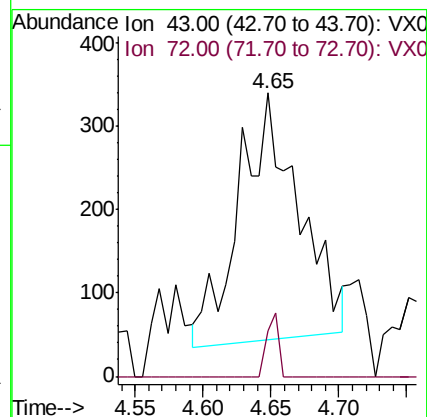
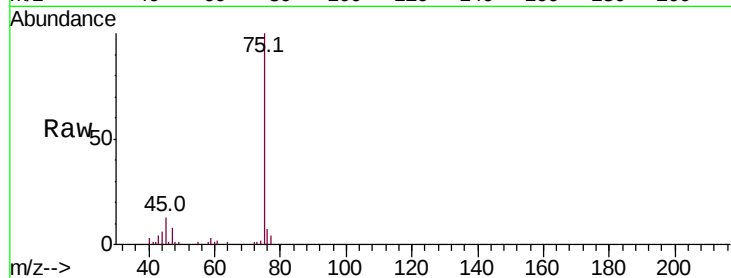
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

72 19.9 24.6 36.8#



#26

2,2-Dichloropropane

Concen: 0.234 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.10 min

Lab File: VX019148.D

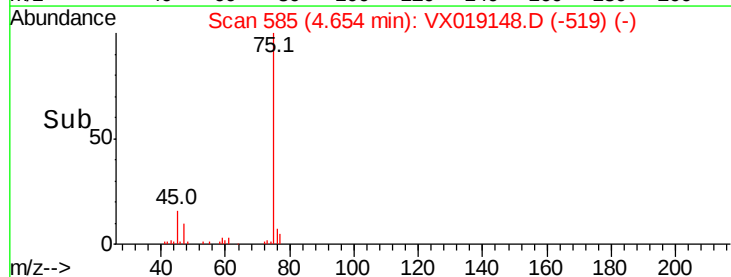
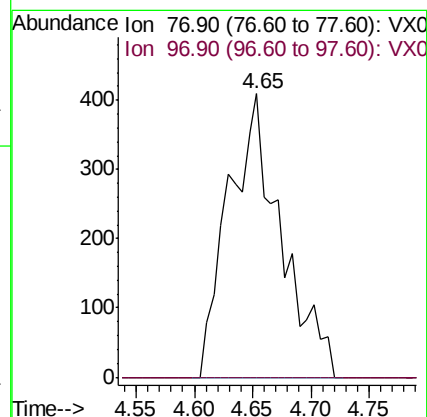
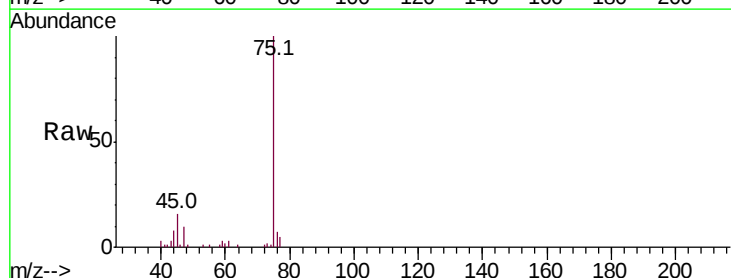
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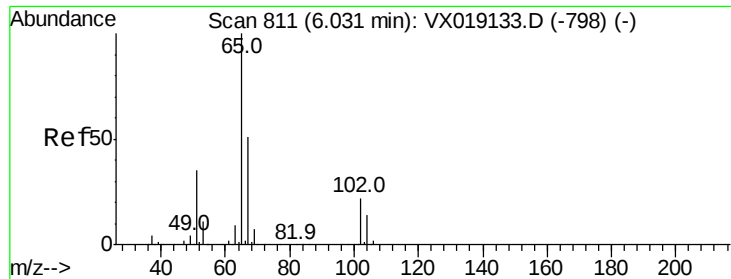
Tgt Ion: 77 Resp: 1275

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#





#33

1,2-Dichloroethane-d4

Concen: 50.788 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

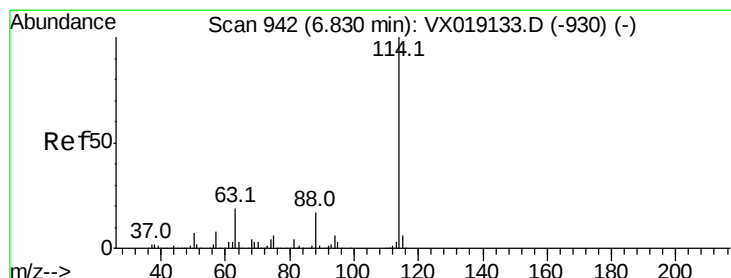
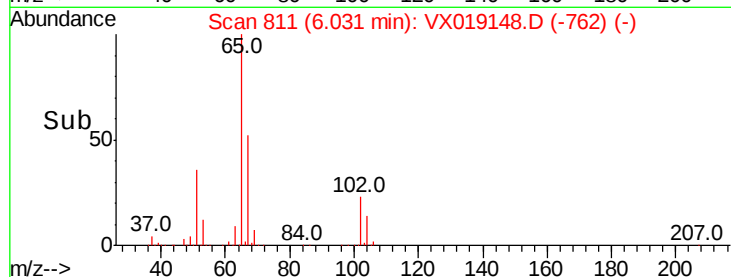
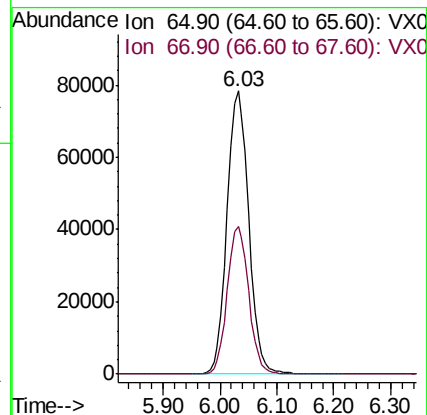
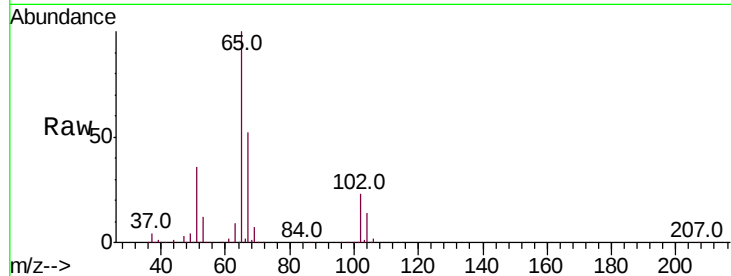
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 208150

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

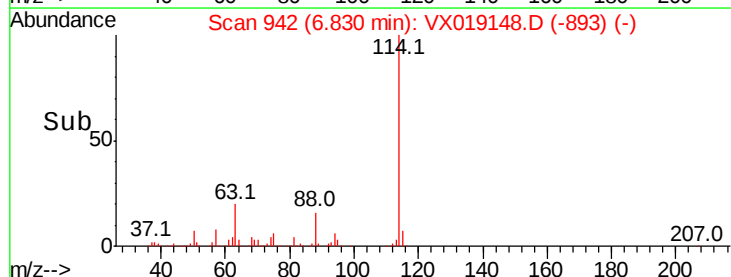
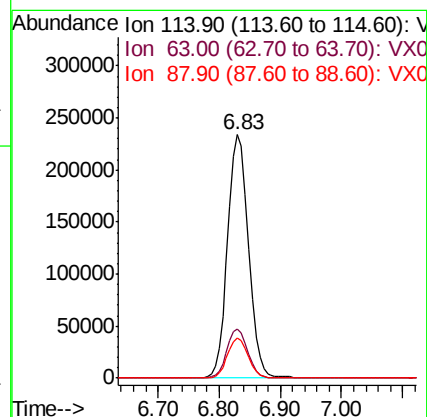
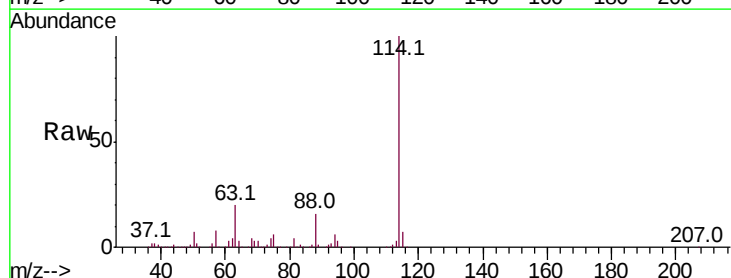
Tgt Ion: 114 Resp: 554026

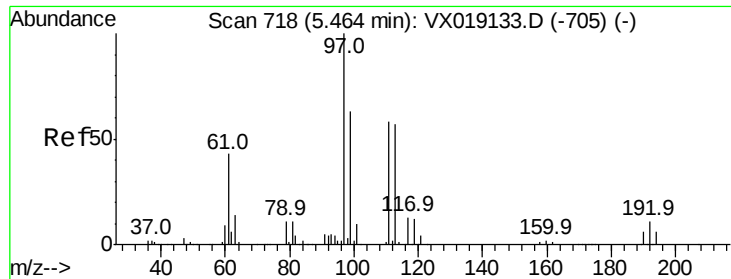
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.372 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

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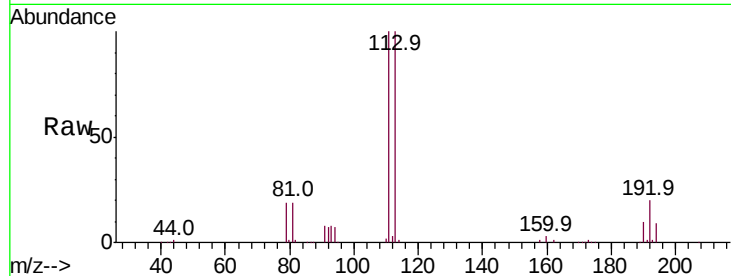
Tot Ion:113 Resp: 168335

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

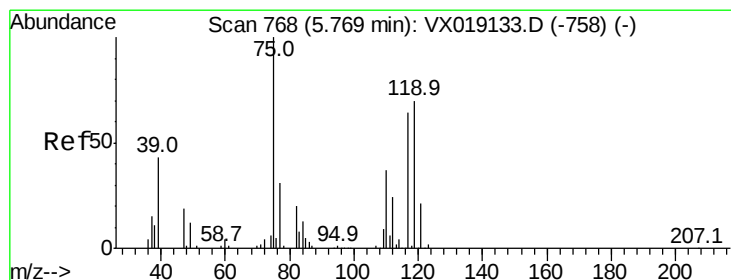
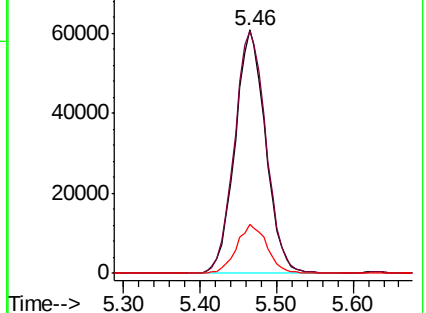
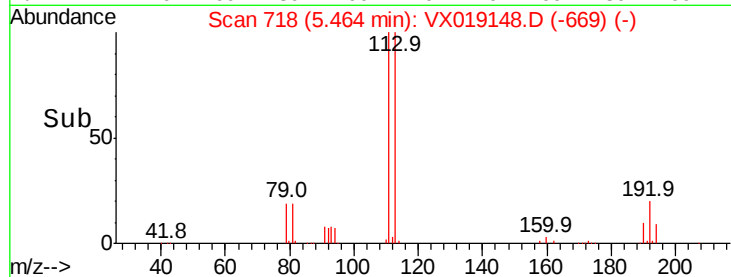
192 20.0 16.2 24.2



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: 4.963 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

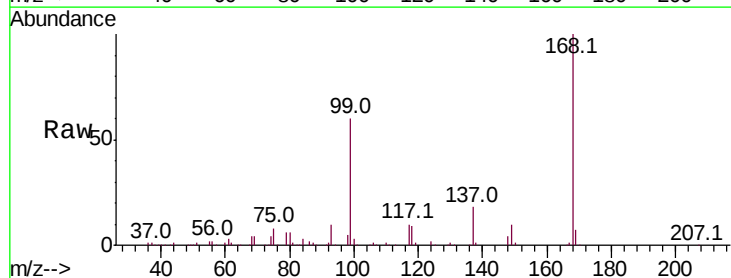
Tgt Ion: 75 Resp: 25389

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.9#

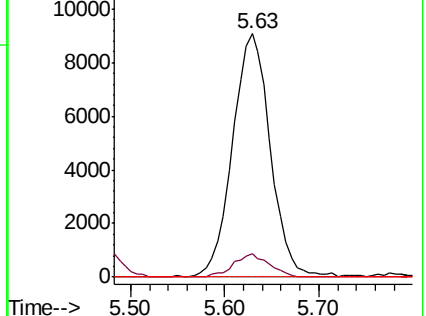
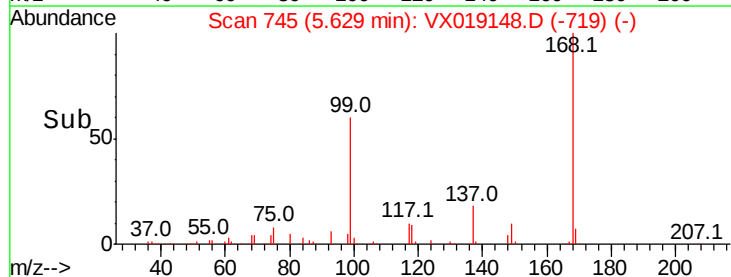
77 0.0 24.9 37.3#

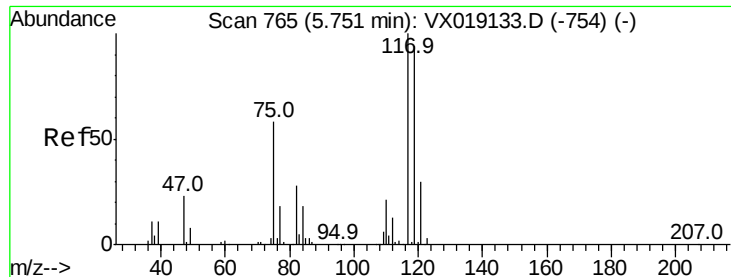


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.229 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

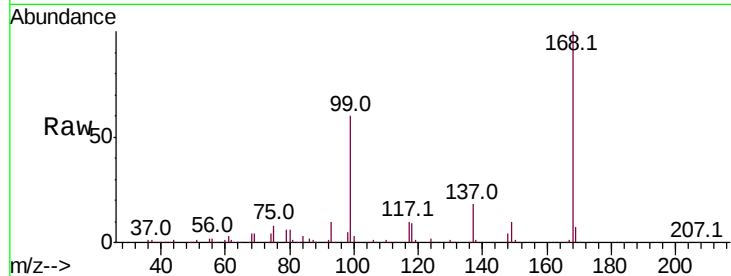
Tot Ion:117 Resp: 32481

Ion Ratio Lower Upper

117 100

119 5.6 75.0 112.6#

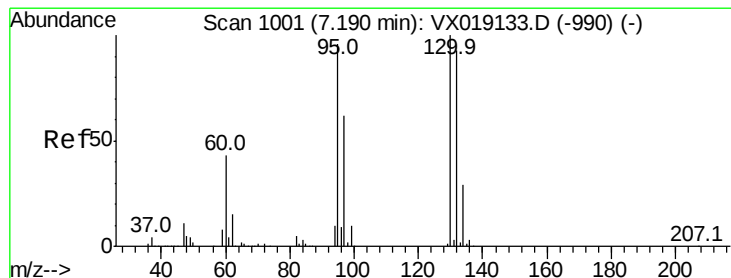
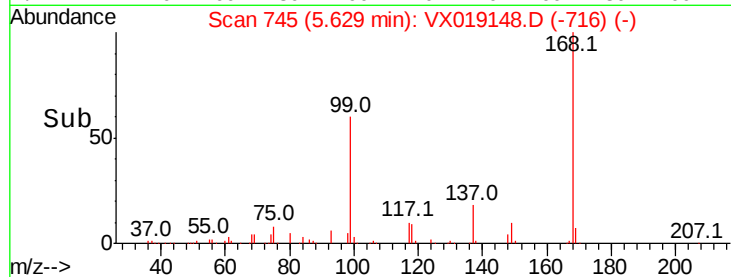
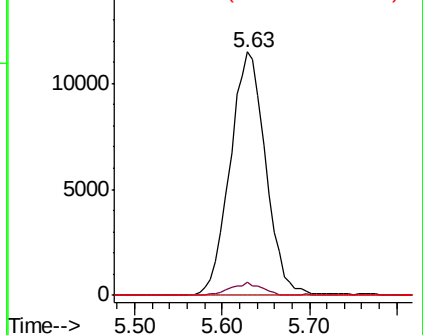
121 0.0 23.9 35.9#



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: 0.436 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019148.D

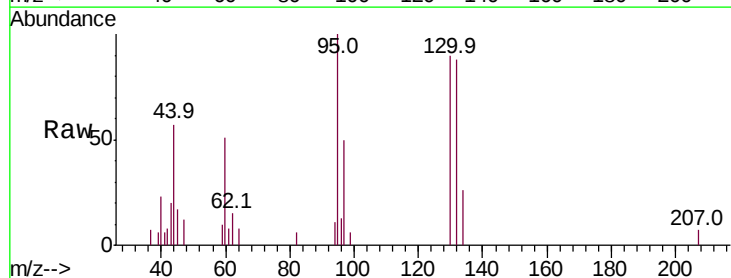
Acq: 27 Oct 2020 19:48

Tgt Ion:130 Resp: 1813

Ion Ratio Lower Upper

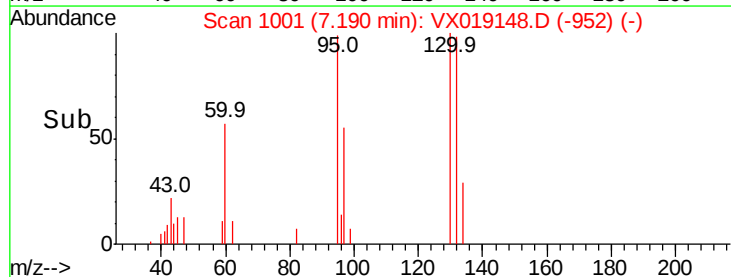
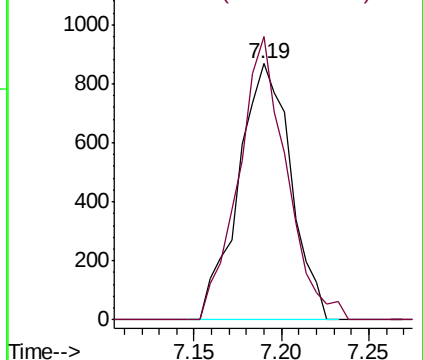
130 100

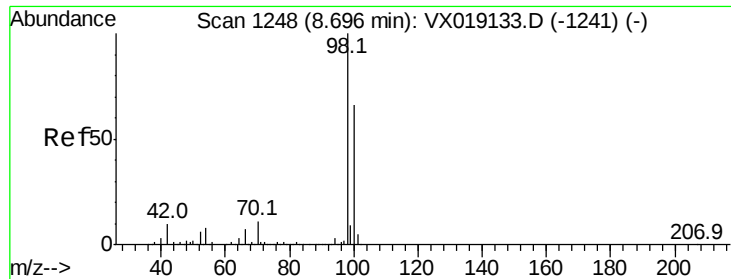
95 110.6 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

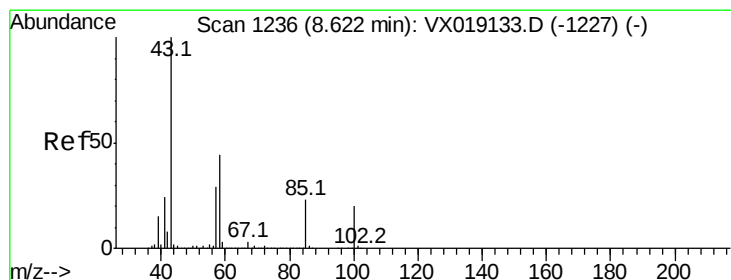
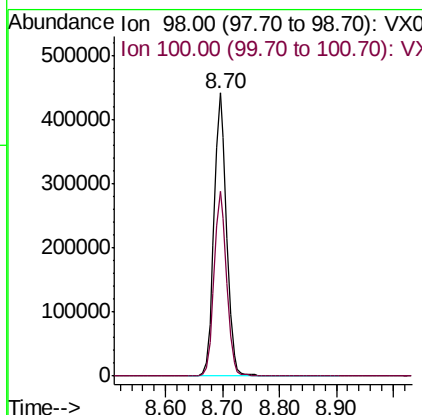
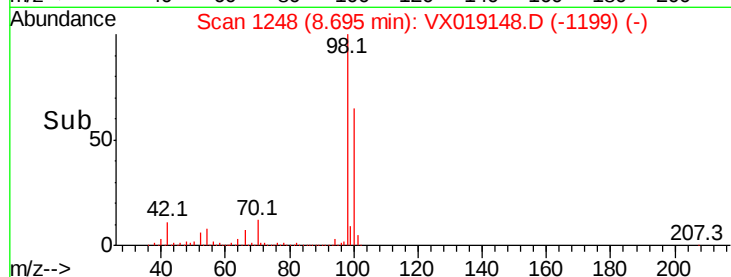
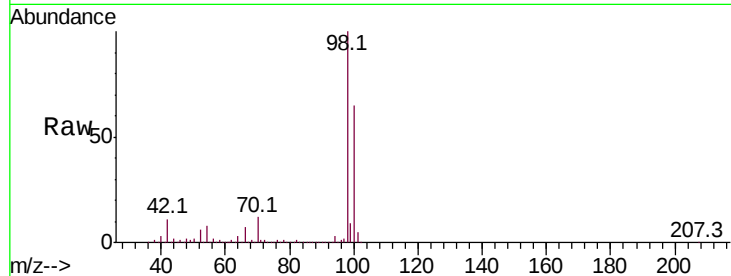




#50
Toluene-d8
Concen: 52.064 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

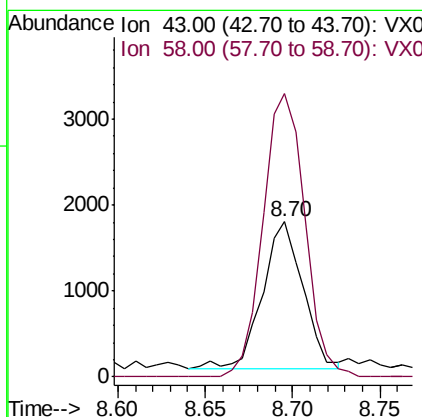
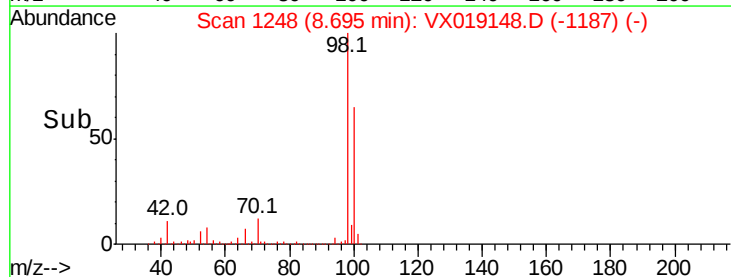
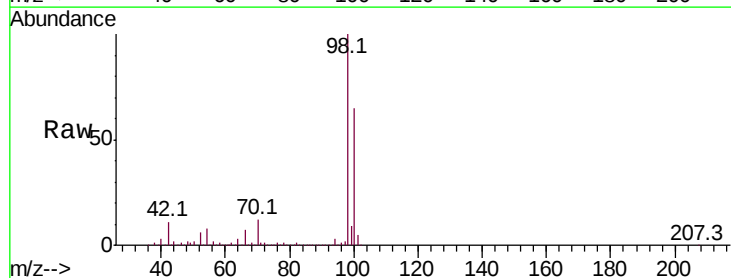
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

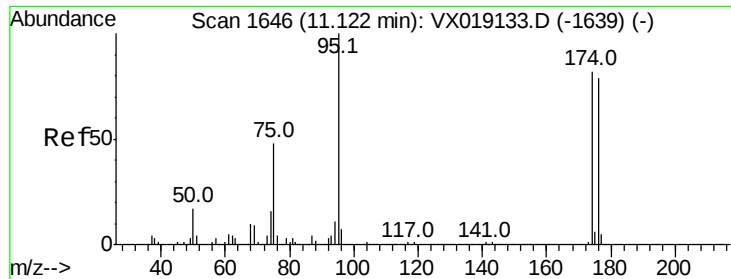
Tot Ion: 98 Resp: 683010
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.07 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

Tgt Ion: 43 Resp: 2763
Ion Ratio Lower Upper
43 100
58 198.7 35.0 52.4#

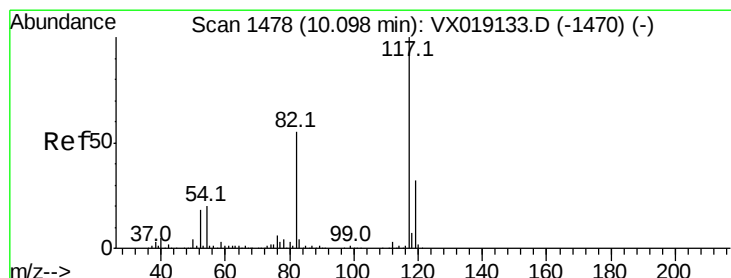
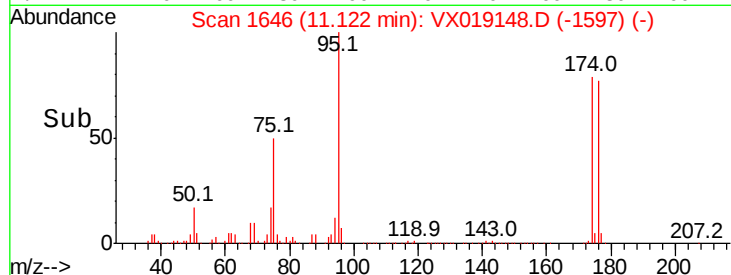
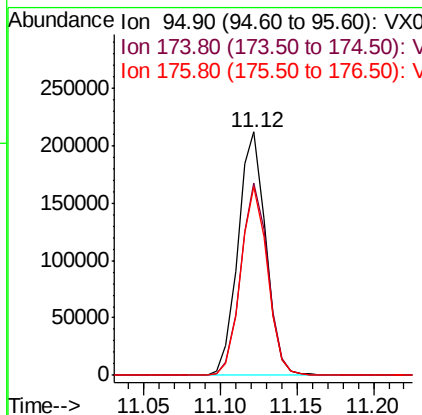
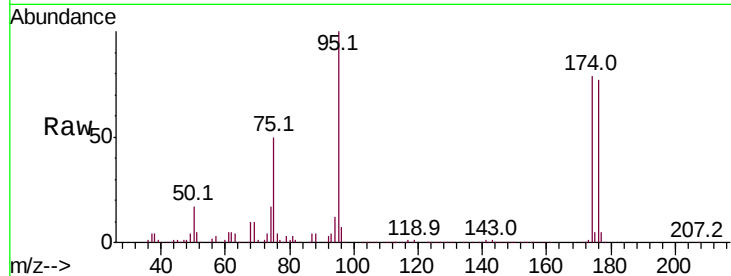




#62
4-Bromofluorobenzene
Concen: 53.497 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

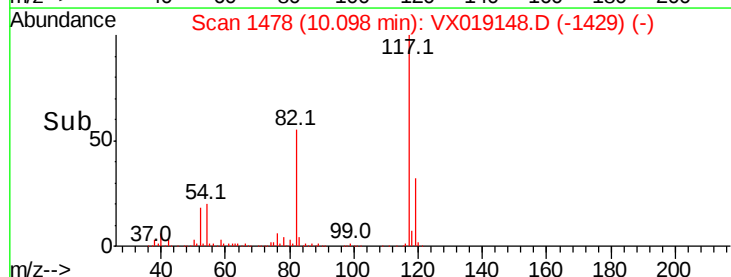
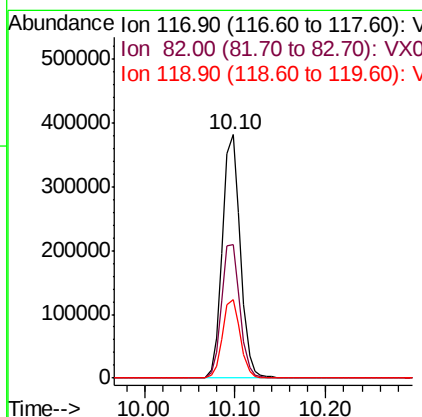
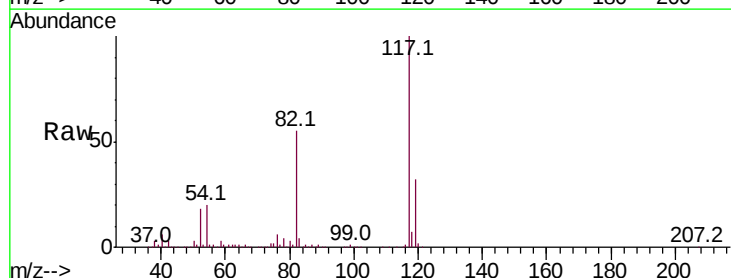
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

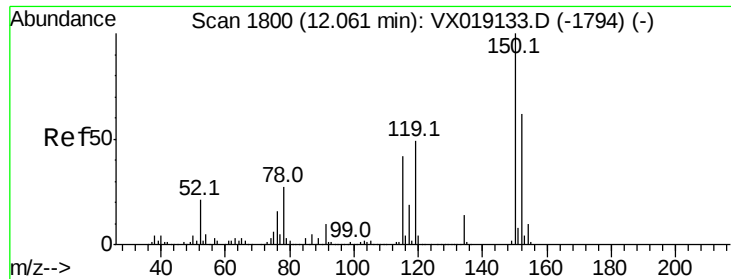
Tot Ion: 95 Resp: 265775
Ion Ratio Lower Upper
95 100
174 77.7 0.0 156.0
176 75.3 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019148.D
Acq: 27 Oct 2020 19:48

Tgt Ion: 117 Resp: 527028
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

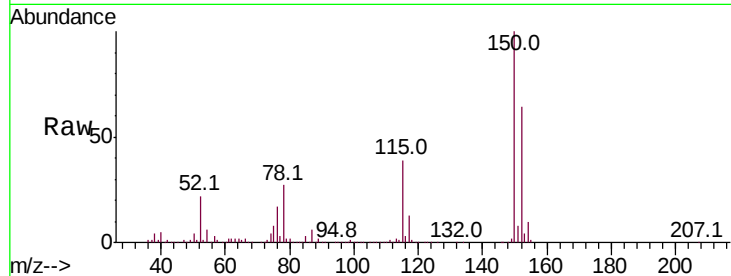
Tot Ion:152 Resp: 269873

Ion Ratio Lower Upper

152 100

115 61.0 41.9 125.7

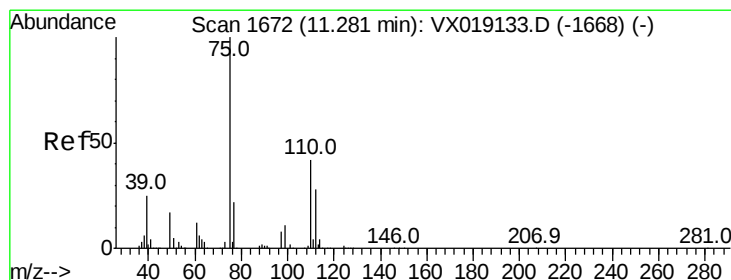
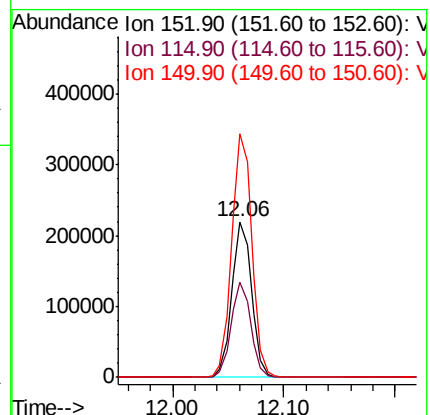
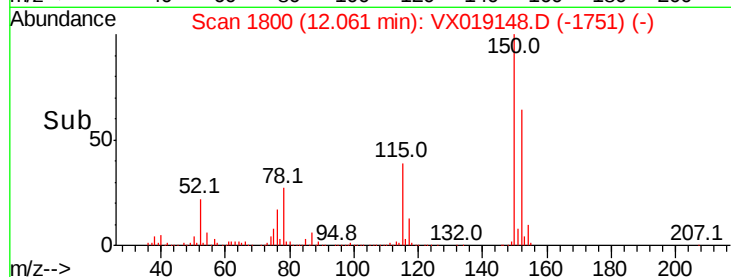
150 159.9 0.0 347.8



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: 24.313 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019148.D

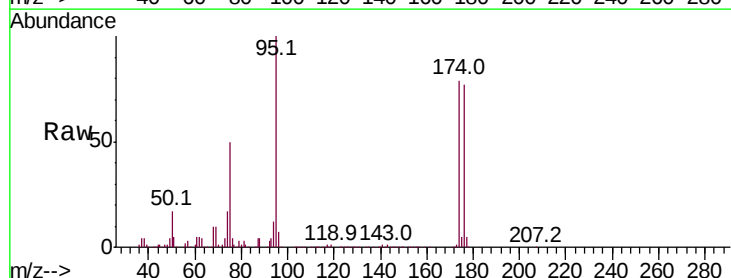
Acq: 27 Oct 2020 19:48

Tgt Ion: 75 Resp: 135480

Ion Ratio Lower Upper

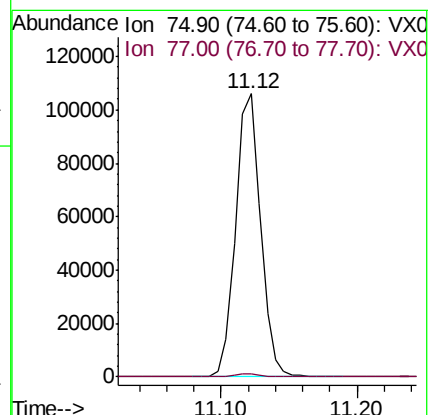
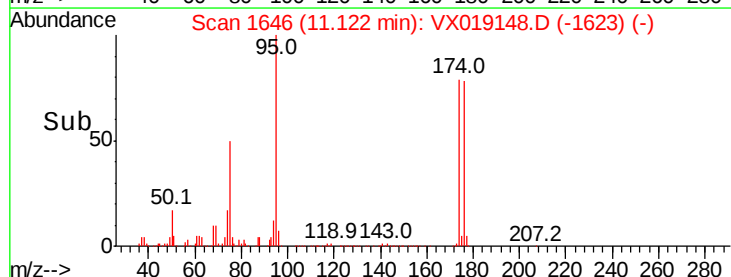
75 100

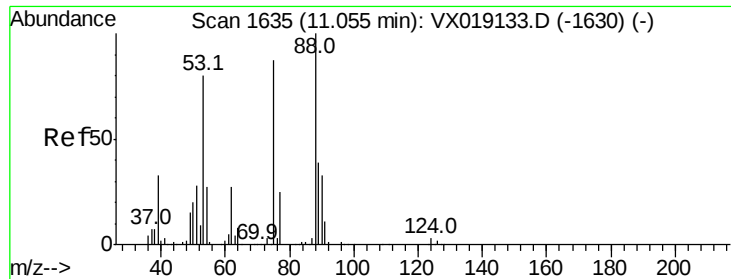
77 1.2 20.3 60.9#



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: 64.016 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019148.D

Acq: 27 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 135480

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

