

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019352.D
 Acq On : 06 Nov 2020 19:05
 Operator : JC/MD
 Sample : L4666-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

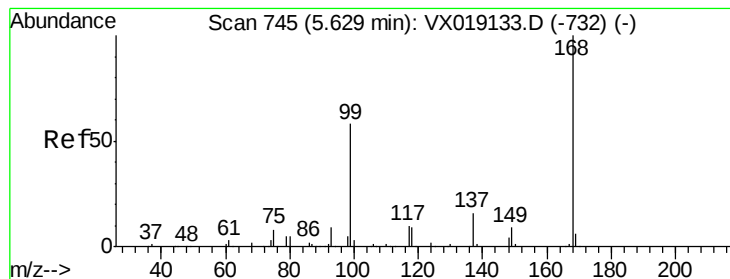
Quant Time: Nov 07 01:08:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	283190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	500018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	468488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227940	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	201199	55.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.18%	
35) Dibromofluoromethane	5.46	113	155367	49.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.94%	
50) Toluene-d8	8.70	98	606186	51.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.12	95	236647	52.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	1211	1.679	ug/l #	72
13) Acrolein	2.28	56	69	5.857	ug/l #	1
14) Allyl chloride	2.57	41	4517	1.087	ug/l #	65
16) Acetone	2.42	43	2103	1.669	ug/l	100
17) Carbon Disulfide	2.56	76	287	0.796	ug/l #	75
18) Methyl Acetate	2.57	43	11697	3.818	ug/l #	47
20) Methylene Chloride	2.83	84	731	0.231	ug/l #	83
25) 2-Butanone	4.64	43	484	0.244	ug/l #	44
31) Cyclohexane	5.63	56	6394	1.385	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23693	5.131	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29499	6.268	ug/l #	17
60) Dibromochloromethane	9.32	129	1332	0.368	ug/l #	11
64) Tetrachloroethene	9.32	164	1171	0.328	ug/l #	88
76) 1,2,3-Trichloropropane	11.12	75	120158	25.530	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	120158	67.221	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019352.D

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Instrument :

MSVOA_X

ClientSampleId :

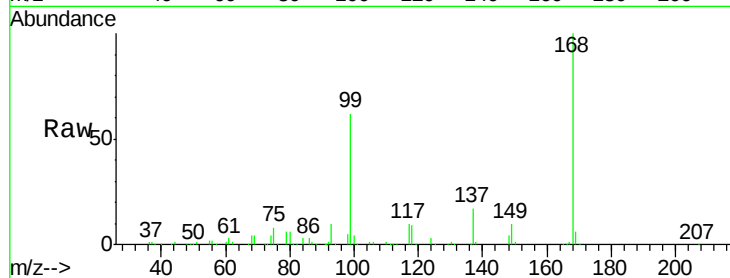
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 283190

Ion Ratio Lower Upper

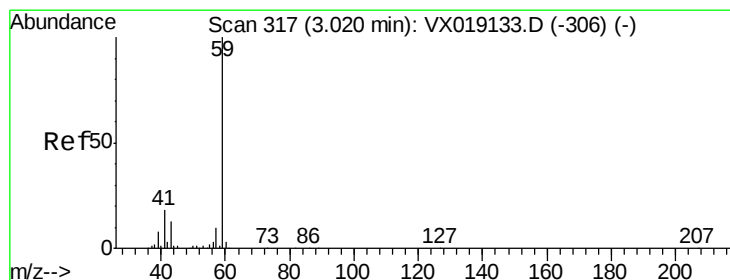
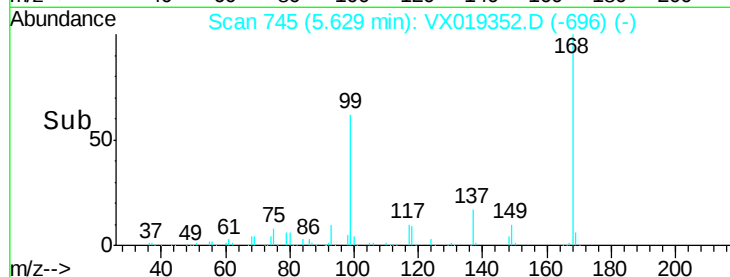
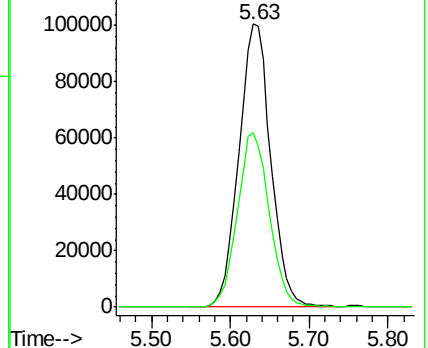
168 100

99 61.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1.679 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX019352.D

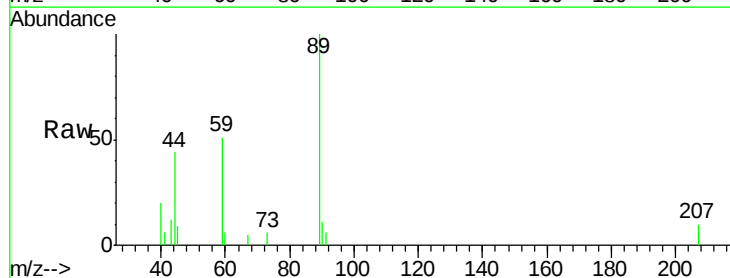
Acq: 06 Nov 2020 19:05

Tgt Ion: 59 Resp: 1211

Ion Ratio Lower Upper

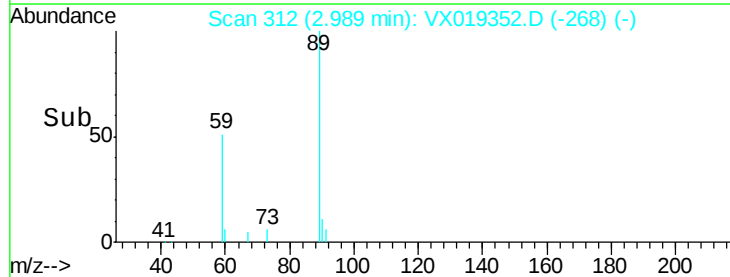
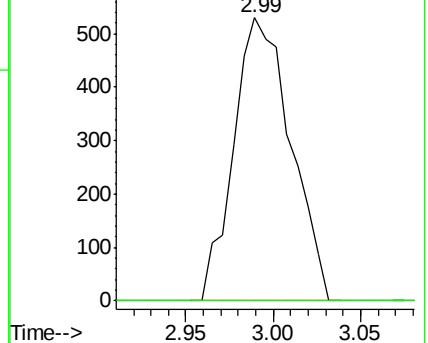
59 100

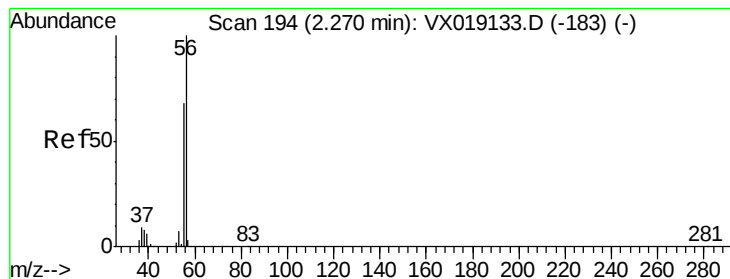
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.857 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

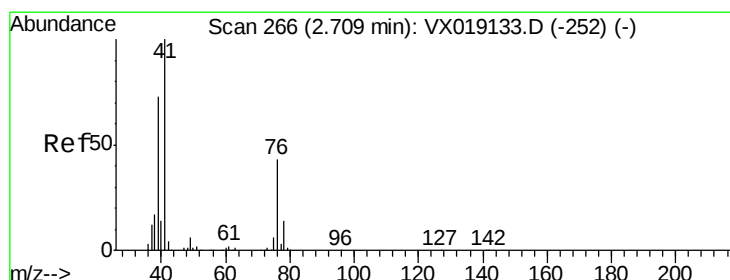
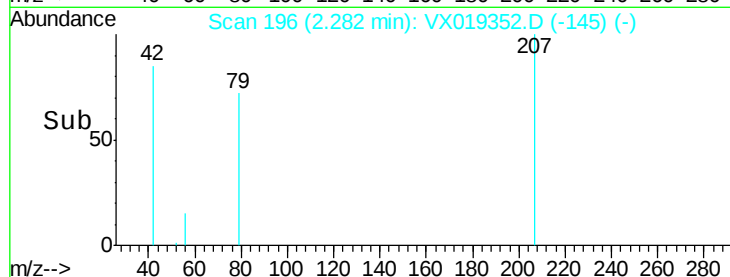
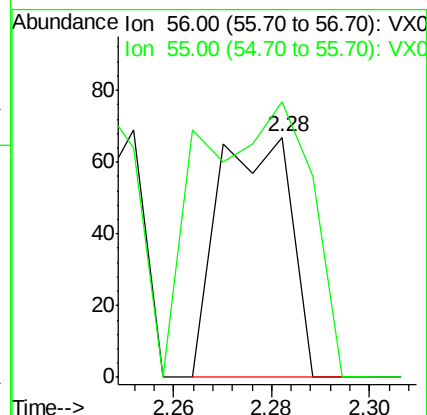
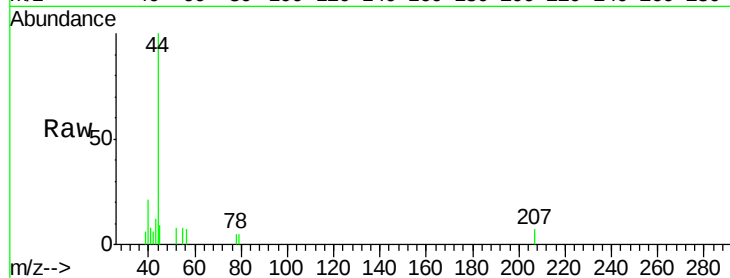
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

55 173.9 54.7 82.1#



#14

Allyl chloride

Concen: 1.087 ug/l

RT: 2.57 min Scan# 244

Delta R.T. -0.13 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

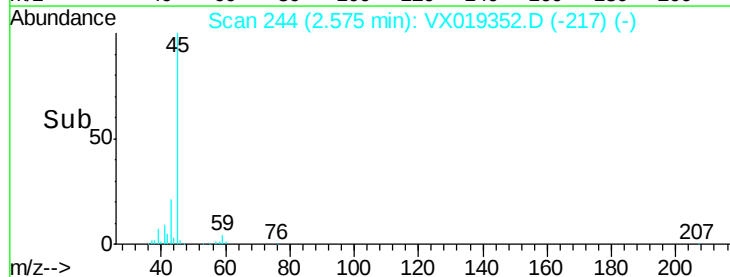
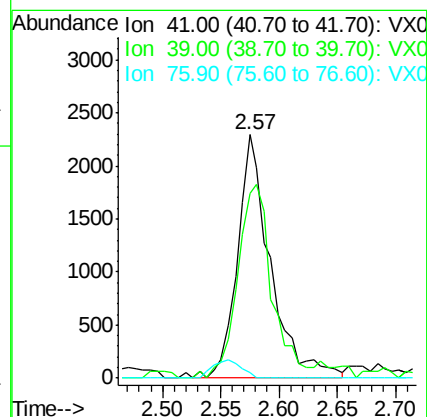
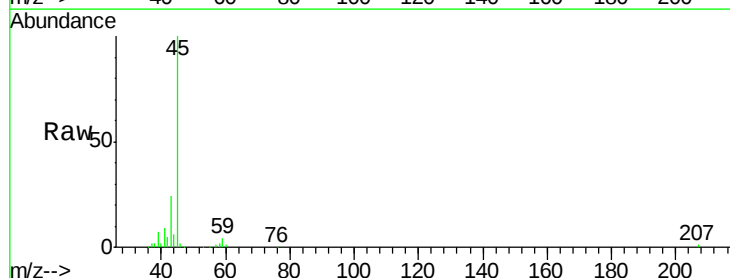
Tgt Ion: 41 Resp: 4517

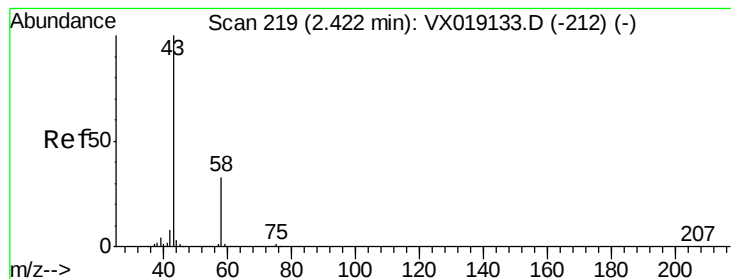
Ion Ratio Lower Upper

41 100

39 83.4 55.2 82.8#

76 0.0 31.5 47.3#





#16

Acetone

Concen: 1.669 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

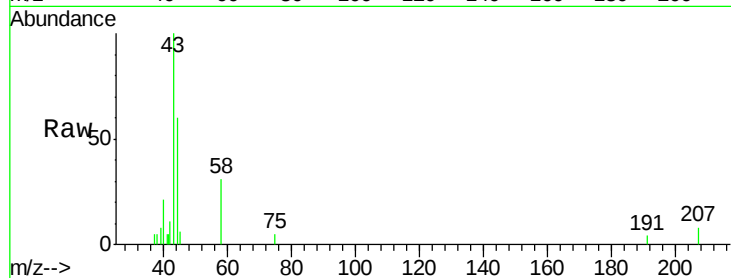
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 2103

Ion Ratio Lower Upper

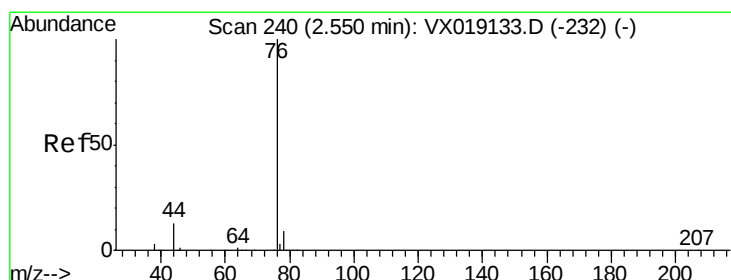
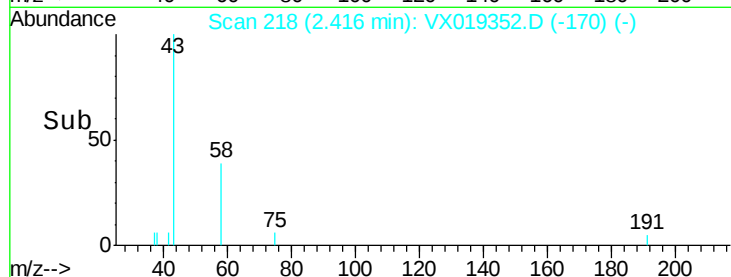
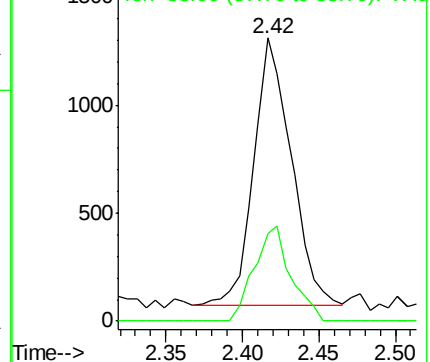
43 100

58 33.0 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.796 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019352.D

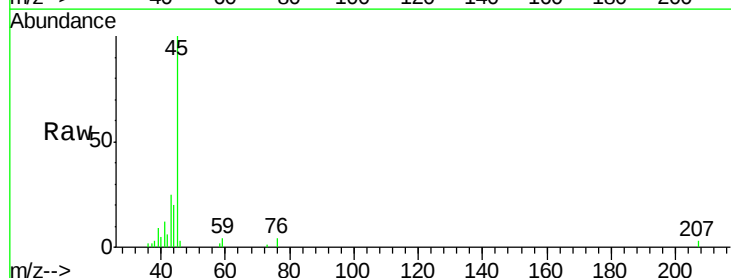
Acq: 06 Nov 2020 19:05

Tgt Ion: 76 Resp: 287

Ion Ratio Lower Upper

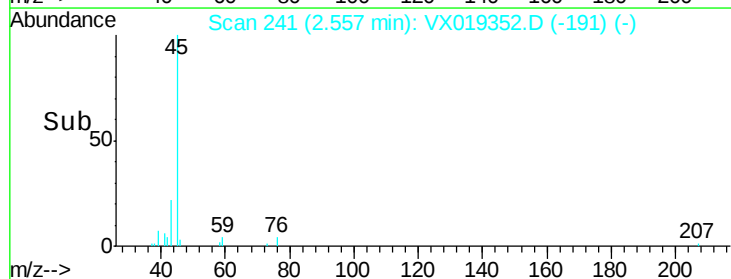
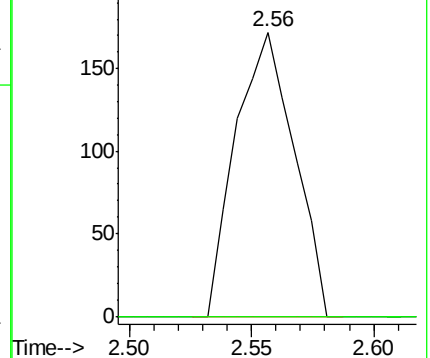
76 100

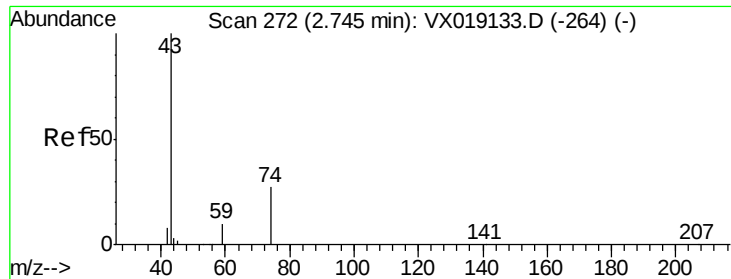
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

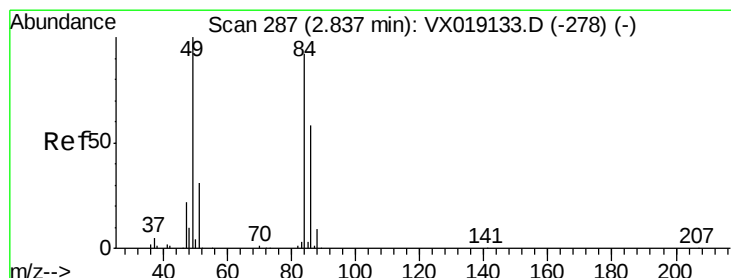
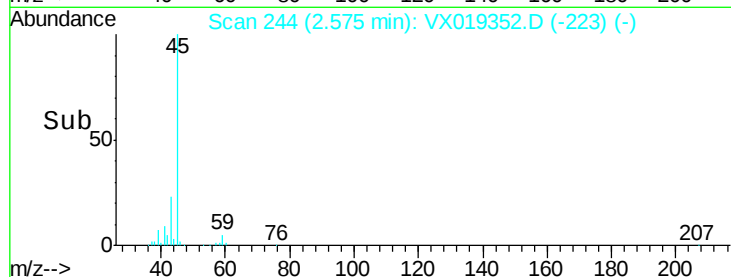
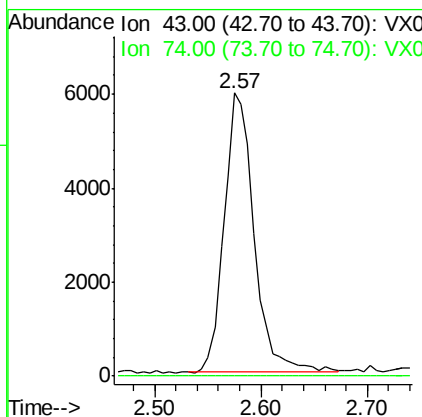
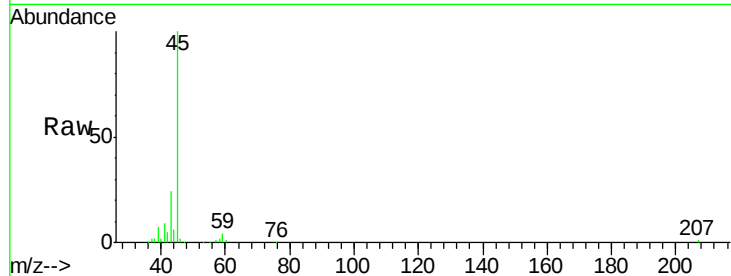




#18
Methvl Acetate
Concen: 3.818 ug/l
RT: 2.57 min Scan# 244
Delta R.T. -0.17 min
Lab File: VX019352.D
Acq: 06 Nov 2020 19:05

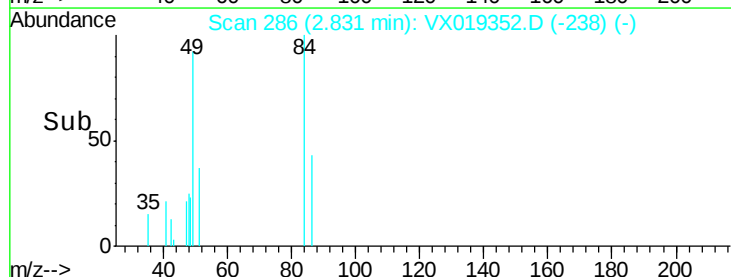
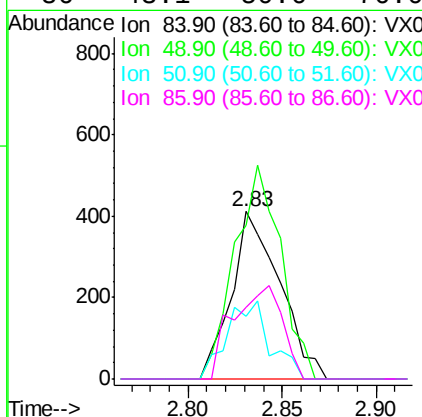
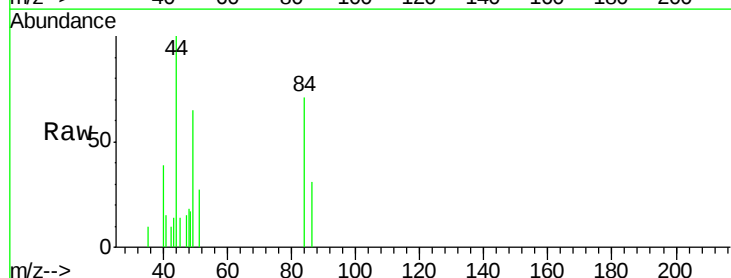
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

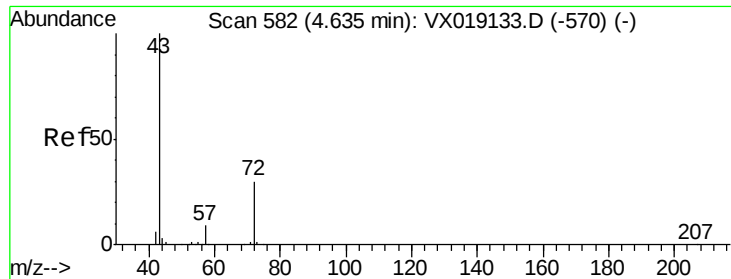
Tot Ion: 43 Resp: 11697
Ion Ratio Lower Upper
43 100
74 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019352.D
Acq: 06 Nov 2020 19:05

Tgt Ion: 84 Resp: 731
Ion Ratio Lower Upper
84 100
49 91.7 86.8 130.2
51 37.5 27.3 40.9
86 43.1 50.6 76.0#





#25

2-Butanone

Concen: 0.244 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

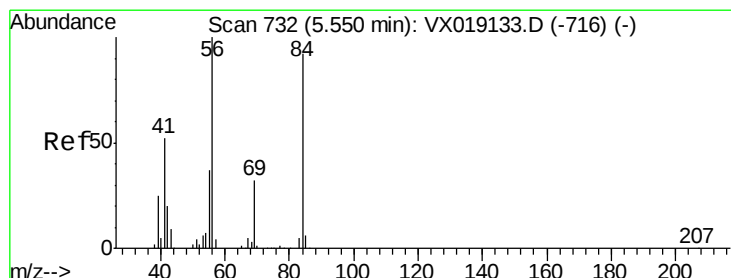
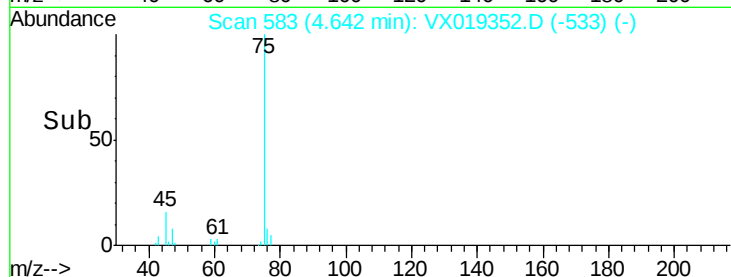
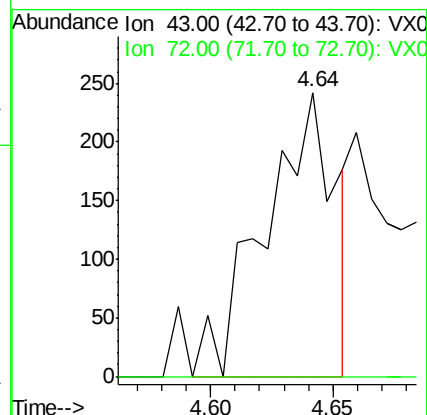
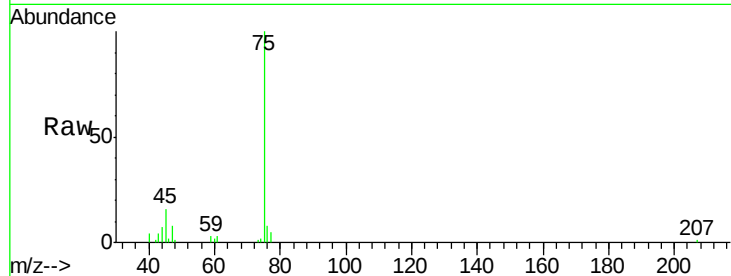
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 484

Ion Ratio Lower Upper

43 100

72 0.0 24.6 36.8#



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

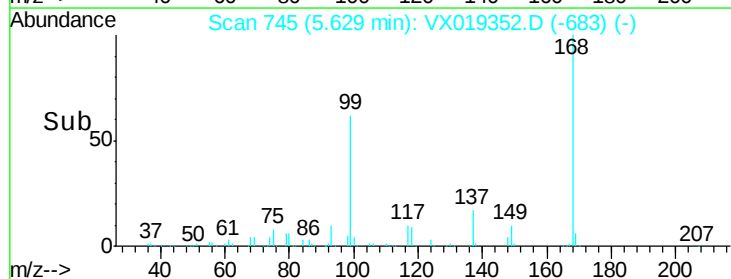
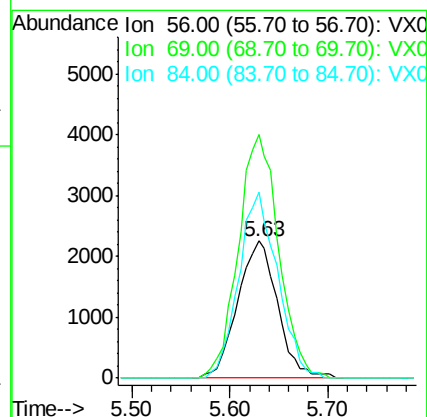
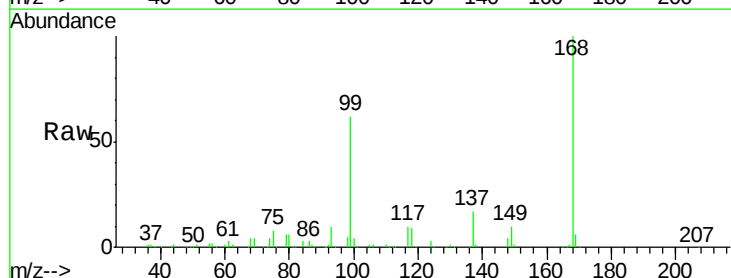
Tgt Ion: 56 Resp: 6394

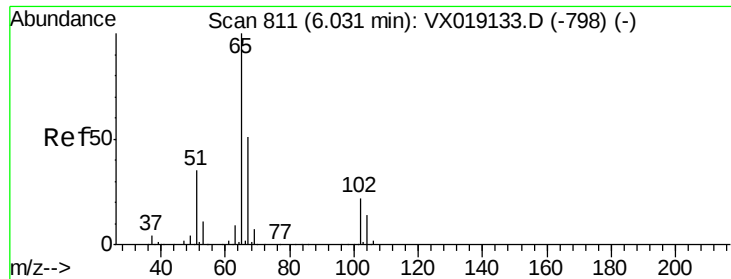
Ion Ratio Lower Upper

56 100

69 177.6 25.9 38.9#

84 136.0 73.4 110.2#





#33

1,2-Dichloroethane-d4

Concen: 55.092 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

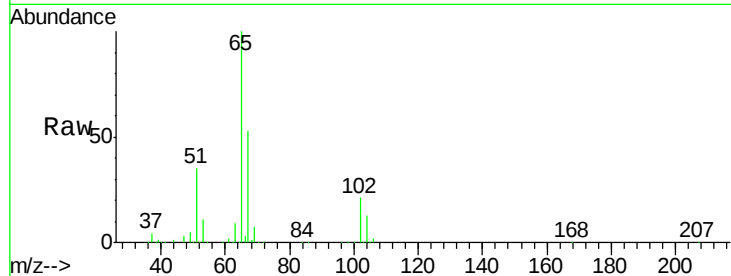
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 201199

Ion Ratio Lower Upper

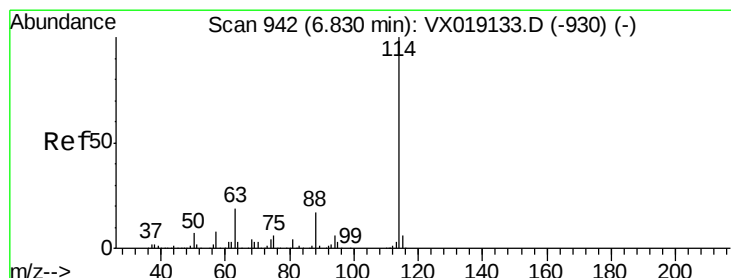
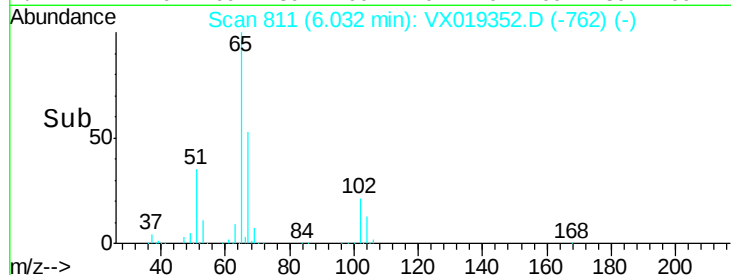
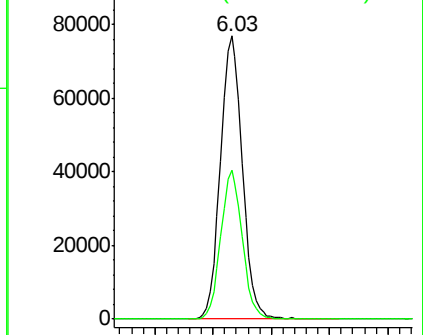
65 100

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: VX019352.D

Acq: 06 Nov 2020 19:05

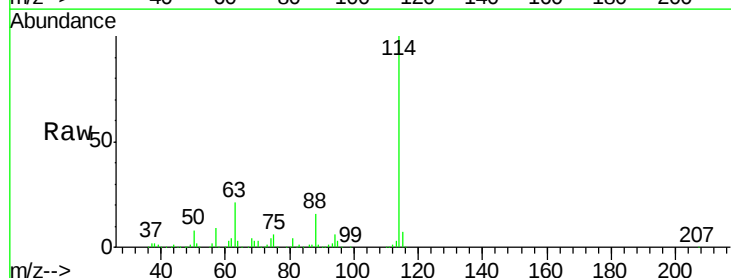
Tgt Ion: 114 Resp: 500018

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

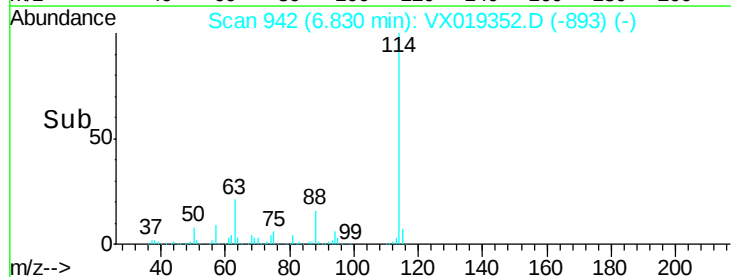
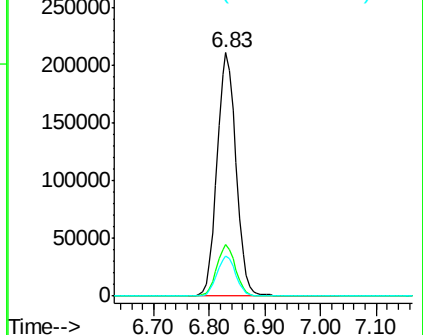
88 16.4 0.0 34.2

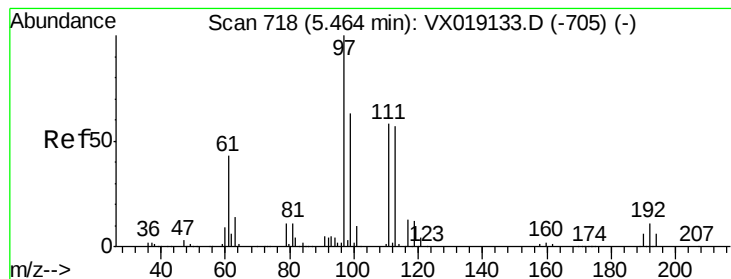


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.467 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

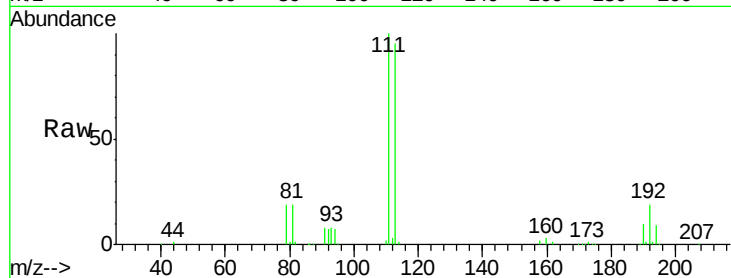
Tot Ion:113 Resp: 155367

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

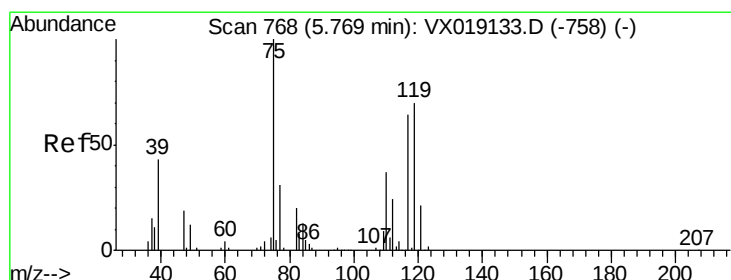
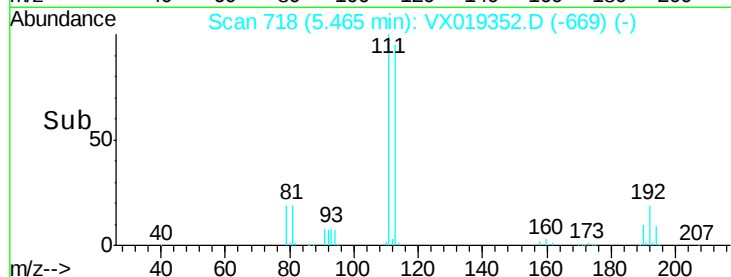
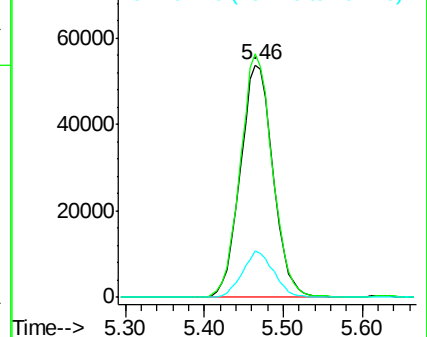
192 19.1 16.2 24.2



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: 5.131 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

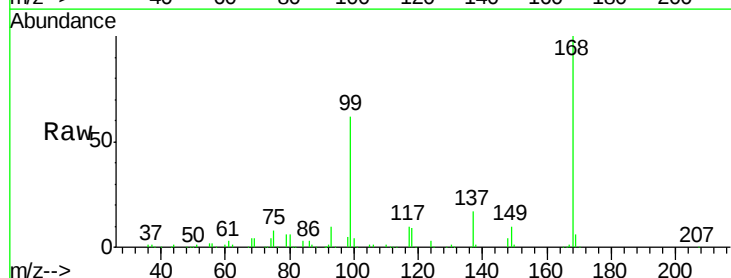
Tgt Ion: 75 Resp: 23693

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

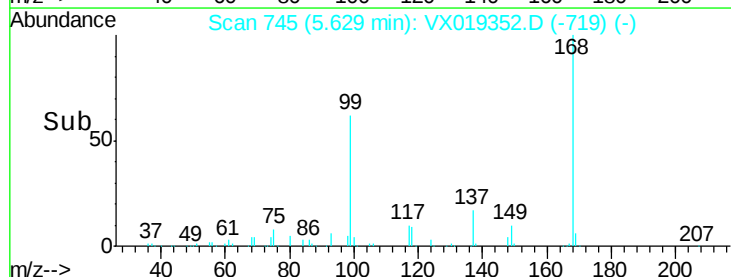
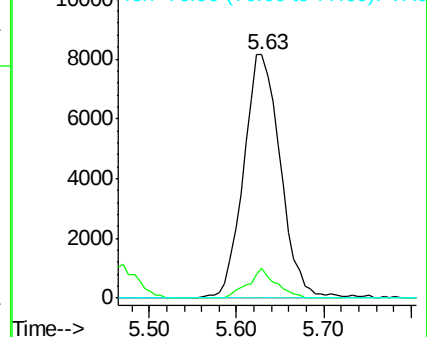
77 0.0 24.9 37.3#

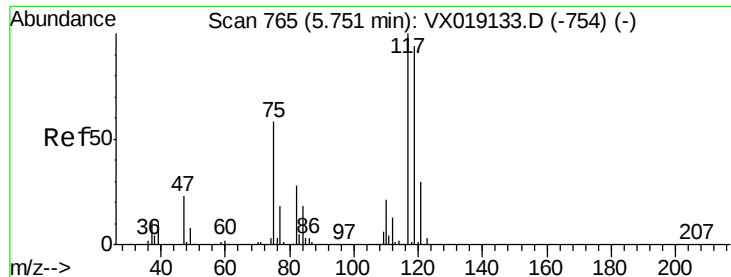


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

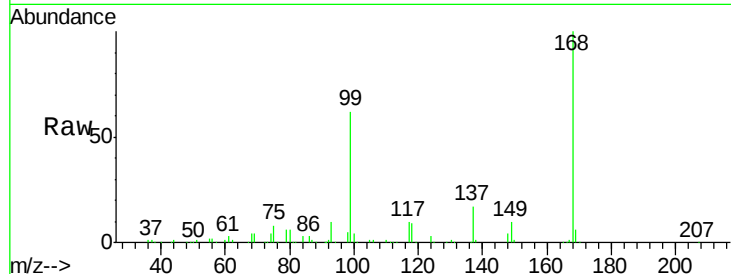




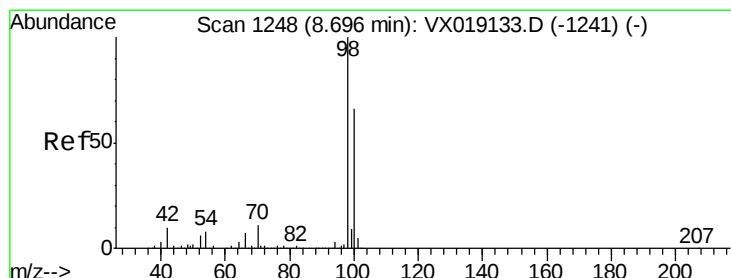
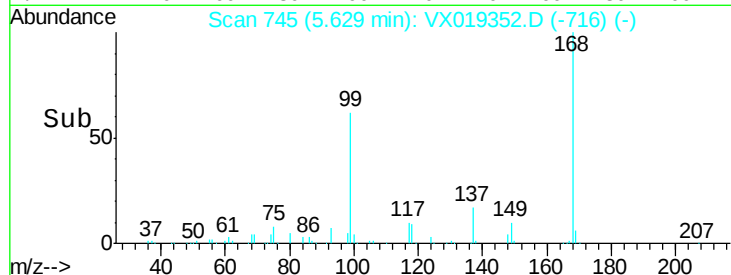
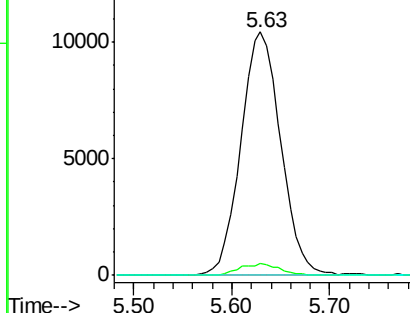
#38
Carbon Tetrachloride
Concen: 6.268 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019352.D
Acq: 06 Nov 2020 19:05

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 29499
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 23.9 35.9#

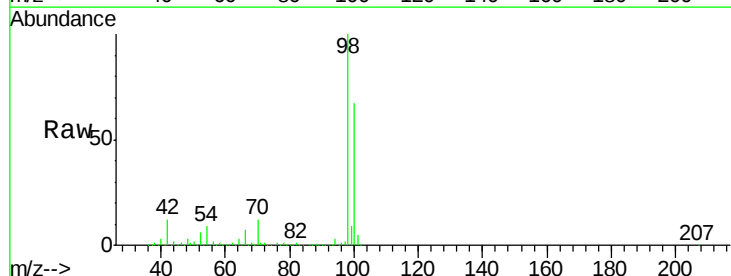


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

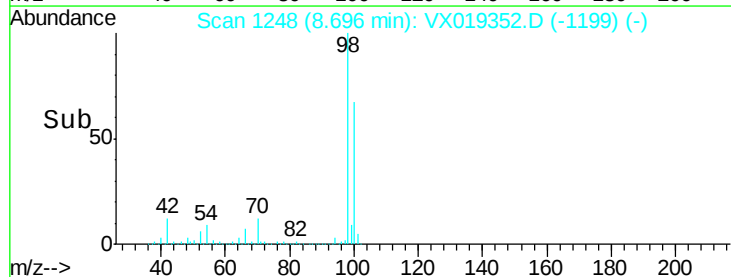
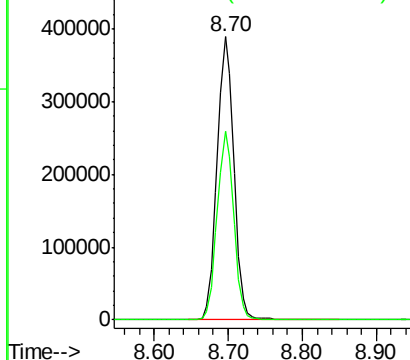


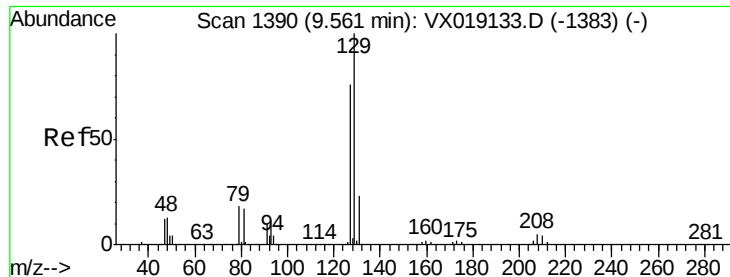
#50
Toluene-d8
Concen: 51.199 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019352.D
Acq: 06 Nov 2020 19:05

Tgt Ion: 98 Resp: 606186
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.368 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

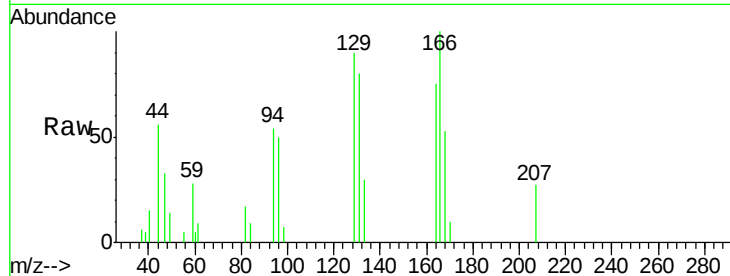
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:129 Resp: 1332

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

800

600

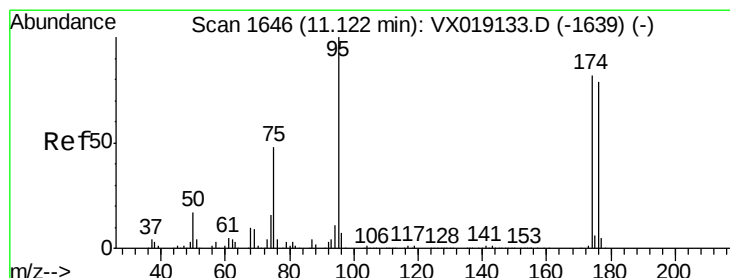
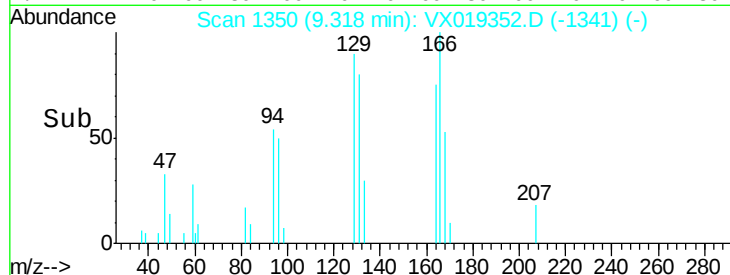
400

200

0

9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 52.779 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

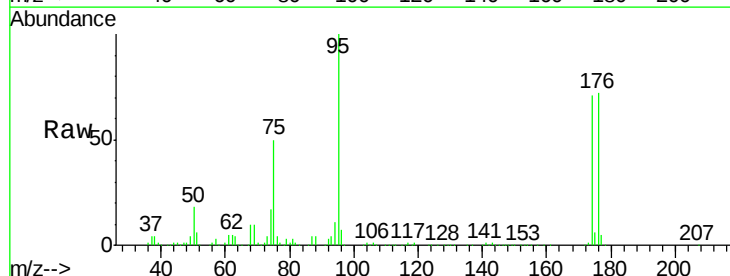
Tgt Ion: 95 Resp: 236647

Ion Ratio Lower Upper

95 100

174 73.6 0.0 156.0

176 71.9 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

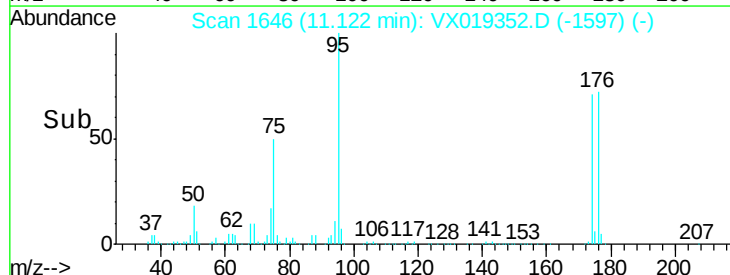
100000

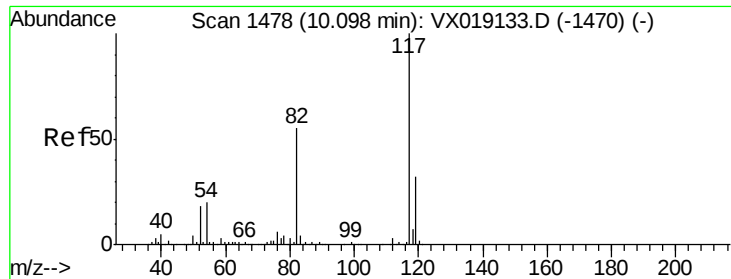
50000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

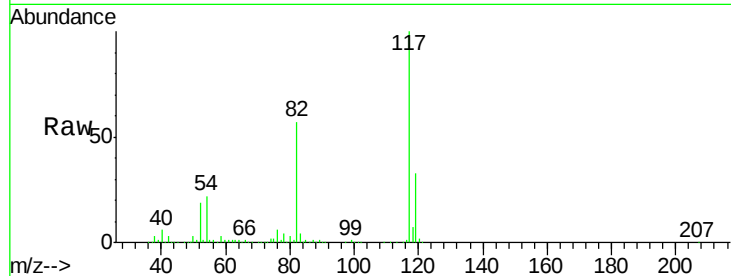
Tot Ion:117 Resp: 468488

Ion Ratio Lower Upper

117 100

82 56.5 43.6 65.4

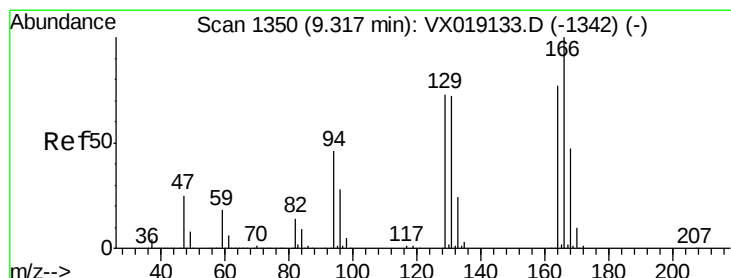
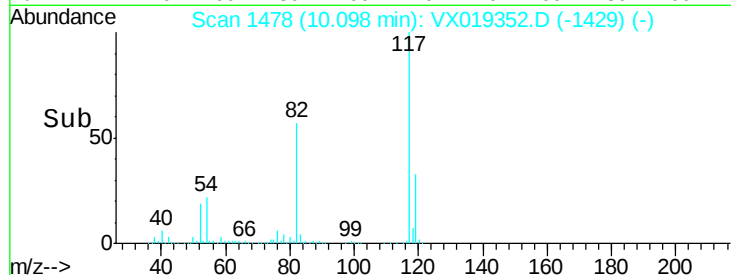
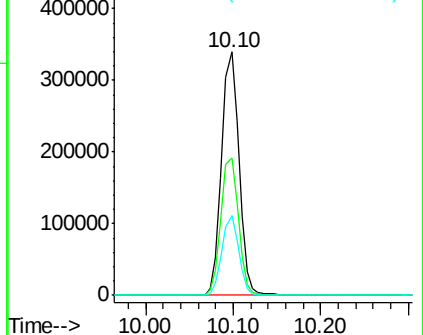
119 32.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.328 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Tgt Ion:164 Resp: 1171

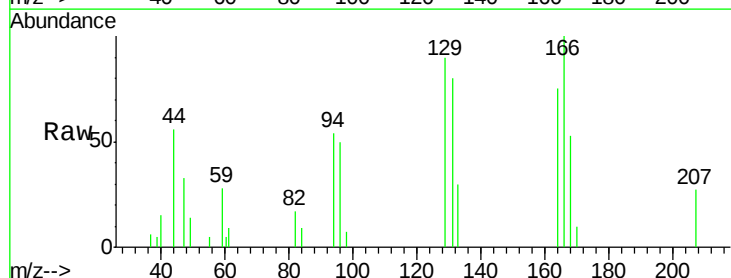
Ion Ratio Lower Upper

164 100

166 132.5 104.1 156.1

129 119.4 76.2 114.4#

131 105.6 74.6 112.0

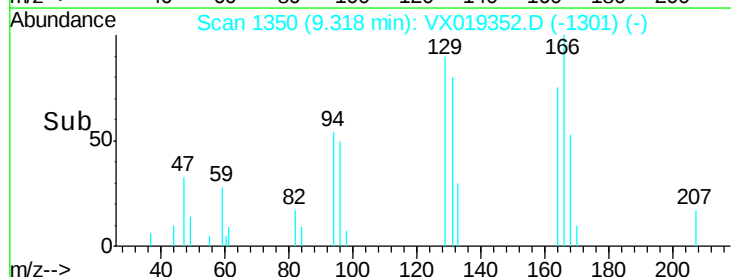
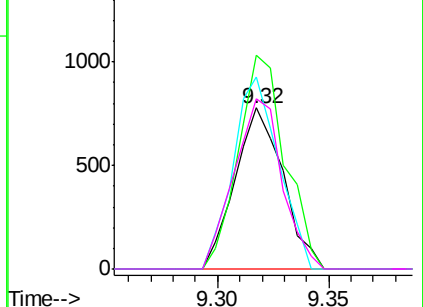


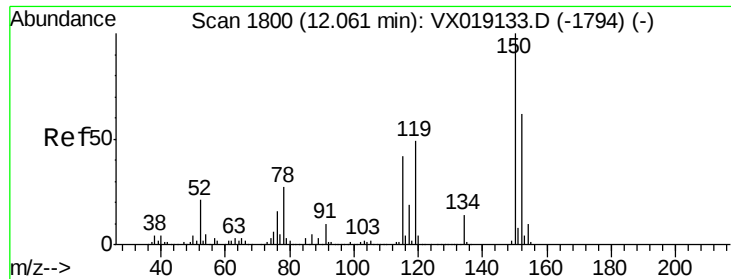
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019352.D

Acq: 06 Nov 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

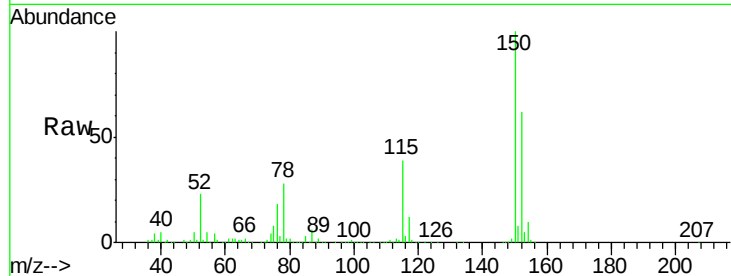
Tot Ion:152 Resp: 227940

Ion Ratio Lower Upper

152 100

115 61.6 41.9 125.7

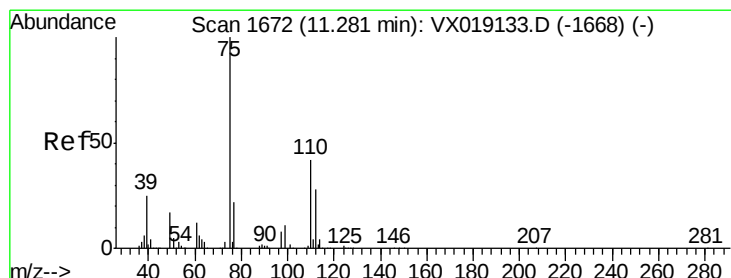
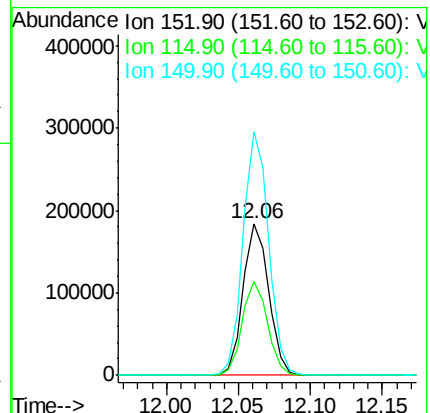
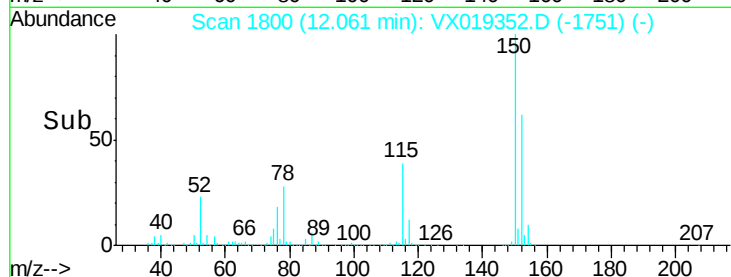
150 160.2 0.0 347.8



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: 25.530 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019352.D

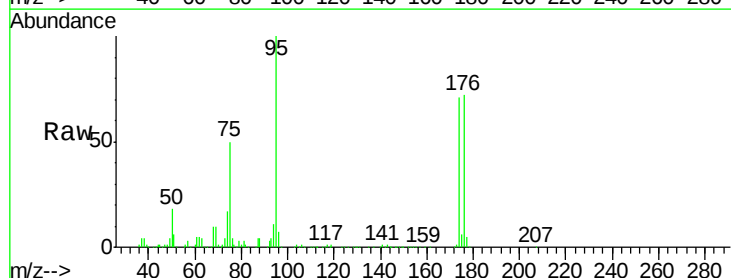
Acq: 06 Nov 2020 19:05

Tgt Ion: 75 Resp: 120158

Ion Ratio Lower Upper

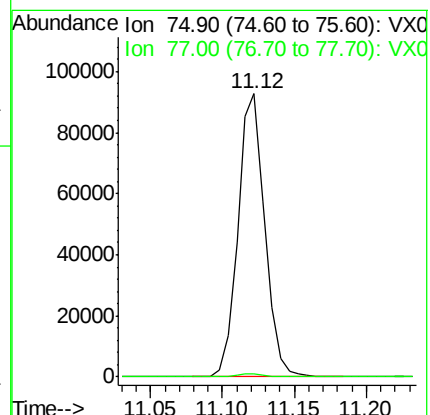
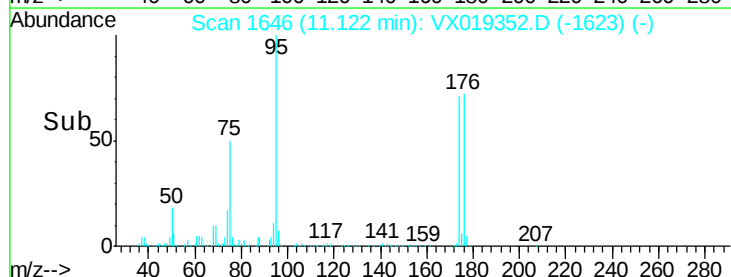
75 100

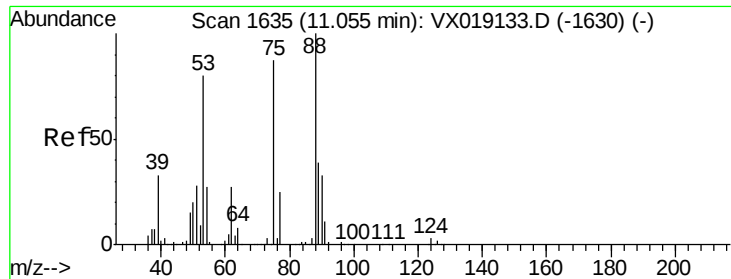
77 1.1 20.3 60.9#



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: 67.221 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019352.D
 Acq: 06 Nov 2020 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 120158
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

