

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019308.D
 Acq On : 05 Nov 2020 13:03
 Operator : JC/MD
 Sample : L4634-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Nov 06 01:07:29 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

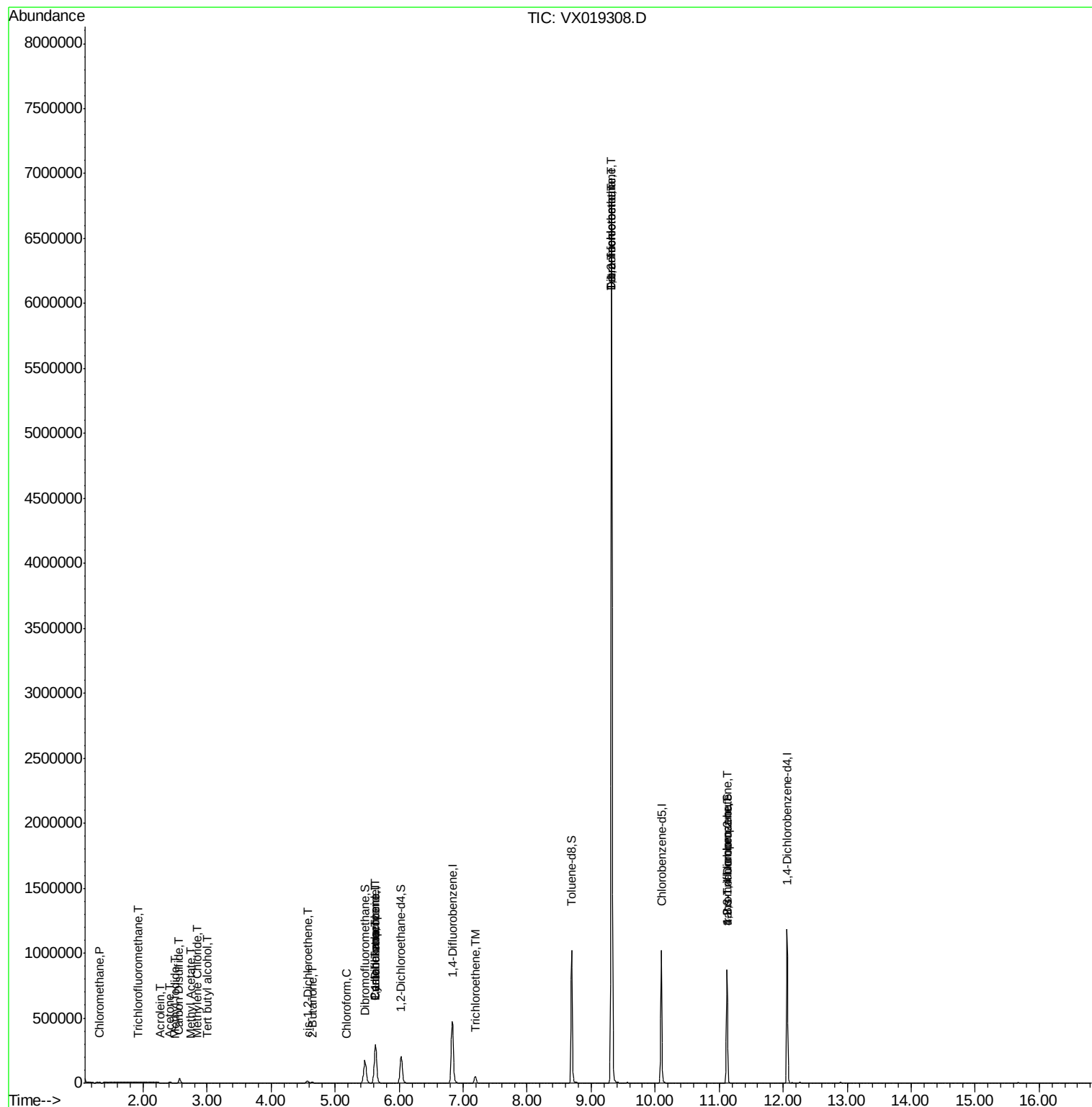
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	270045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	483202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	460102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230390	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	195683	56.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.38%	
35) Dibromofluoromethane	5.46	113	153833	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
50) Toluene-d8	8.70	98	598799	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.12	95	230726	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
Target Compounds				Qvalue		
3) Chloromethane	1.31	50	658	0.262	ug/l	96
7) Trichlorofluoromethane	1.92	101	1875	0.409	ug/l	85
10) Methyl Iodide	2.50	142	139	6.419	ug/l #	39
11) Tert butyl alcohol	3.00	59	900	1.308	ug/l #	72
13) Acrolein	2.27	56	204	6.296	ug/l #	44
16) Acetone	2.42	43	7559	6.292	ug/l	96
17) Carbon Disulfide	2.56	76	630	0.843	ug/l #	75
18) Methyl Acetate	2.75	43	794	0.272	ug/l #	47
20) Methylene Chloride	2.83	84	704	0.233	ug/l #	81
25) 2-Butanone	4.64	43	1194	0.631	ug/l #	79
27) cis-1,2-Dichloroethene	4.57	96	8355	2.482	ug/l	97
30) Chloroform	5.18	83	1243	0.237	ug/l	94
31) Cyclohexane	5.63	56	5996	1.362	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21961	4.922	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28289	6.220	ug/l #	16
44) Trichloroethene	7.19	130	19214	5.303	ug/l	99
55) 1,1,2-Trichloroethane	9.32	97	11494	3.570	ug/l #	1
60) Dibromochloromethane	9.32	129	1205481	345.022	ug/l #	11
64) Tetrachloroethene	9.32	164	1228041	350.321	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	116820	24.557	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	116820	64.659	ug/l #	12

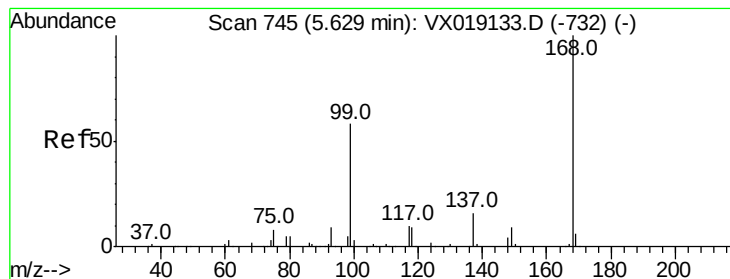
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

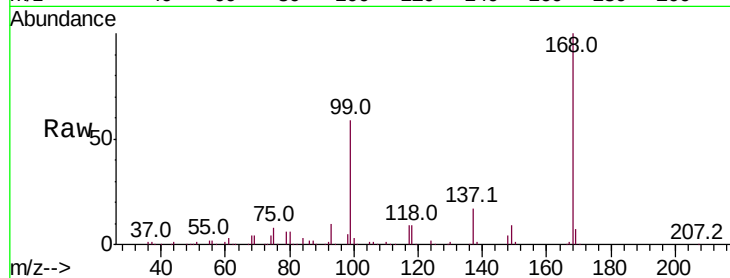
MW-2

Tot Ion:168 Resp: 270045

Ion Ratio Lower Upper

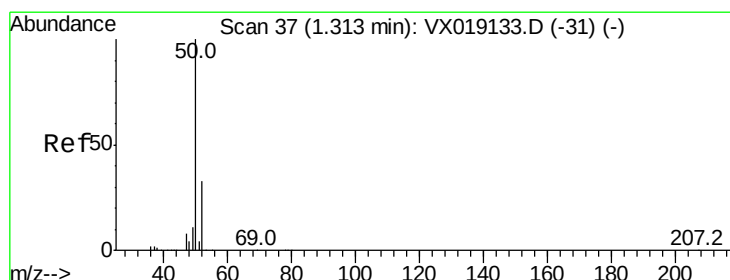
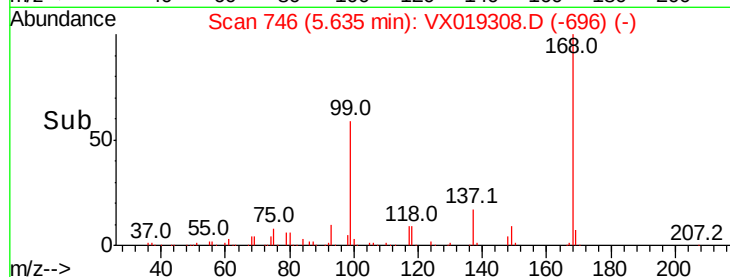
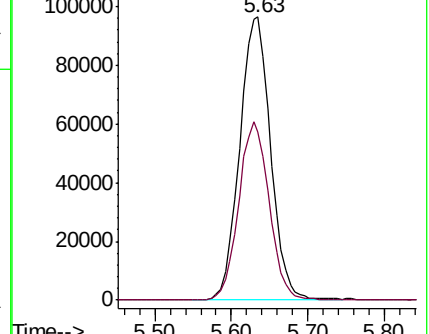
168 100

99 59.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019308.D

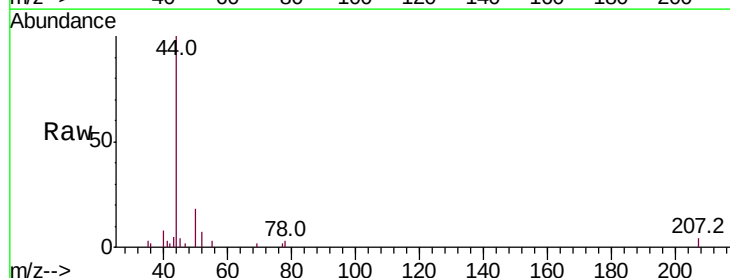
Acq: 05 Nov 2020 13:03

Tgt Ion: 50 Resp: 658

Ion Ratio Lower Upper

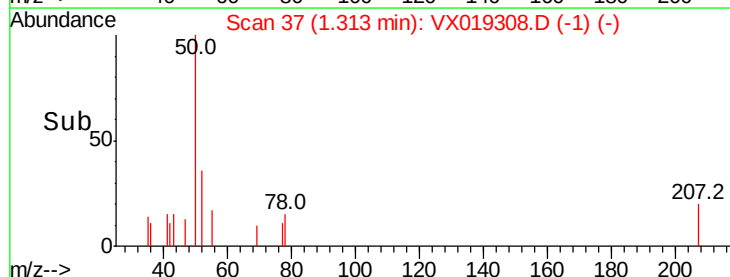
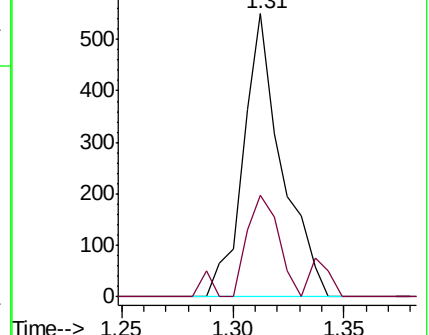
50 100

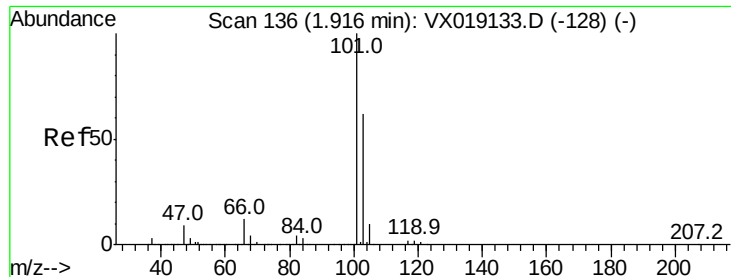
52 36.0 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#7

Trichlorofluoromethane

Concen: 0.409 ug/l

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

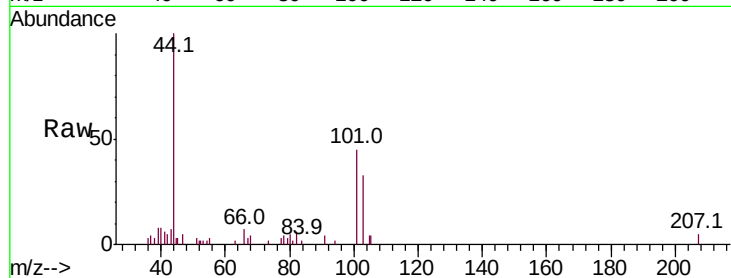
MW-2

Tot Ion:101 Resp: 1875

Ion Ratio Lower Upper

101 100

103 74.0 50.0 75.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

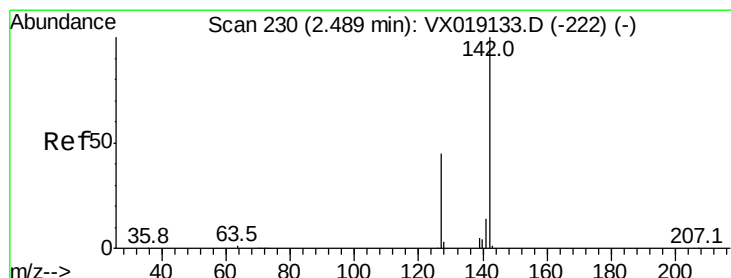
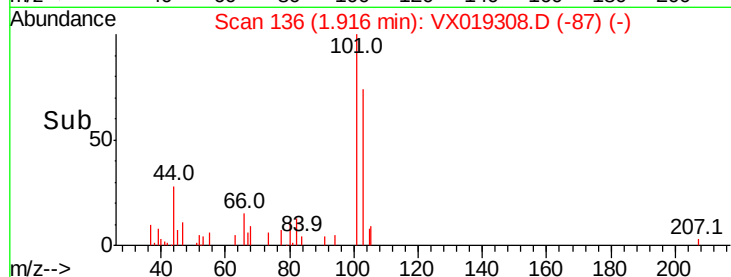
1000

500

0

Time-->

1.90 1.95



#10

Methyl Iodide

Concen: 6.419 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

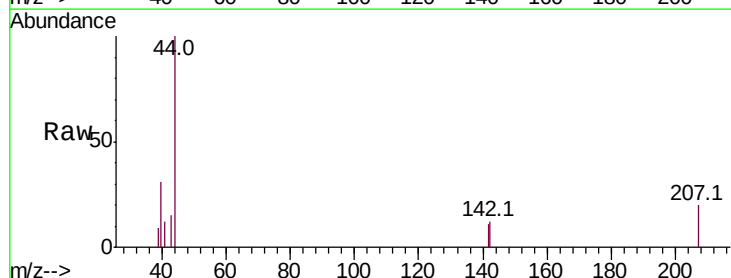
Tgt Ion:142 Resp: 139

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

250

200

150

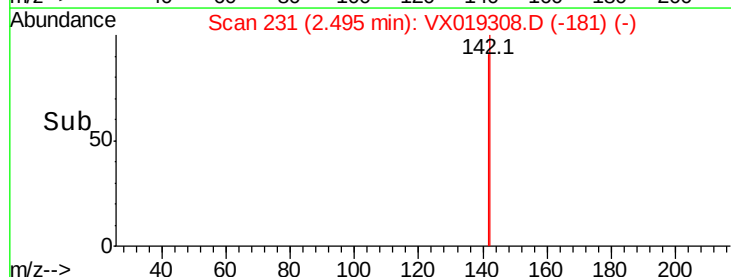
100

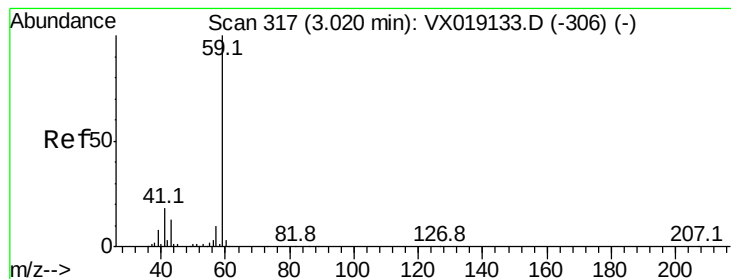
50

0

Time-->

2.46 2.48 2.50 2.52



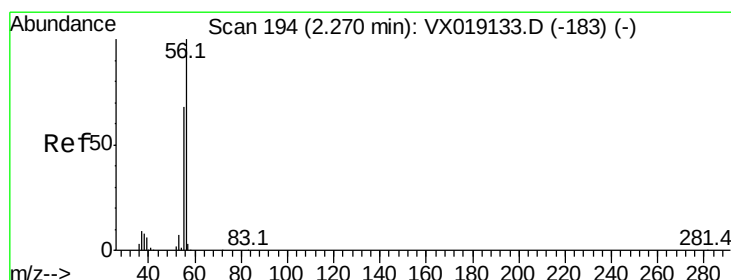
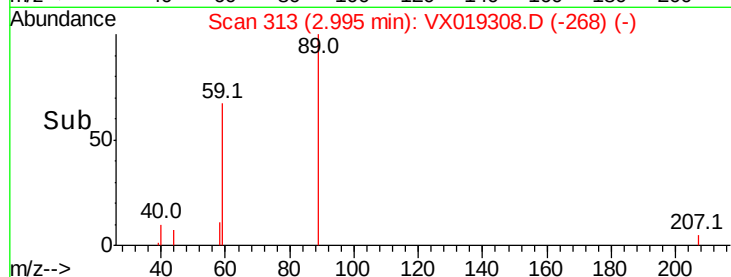
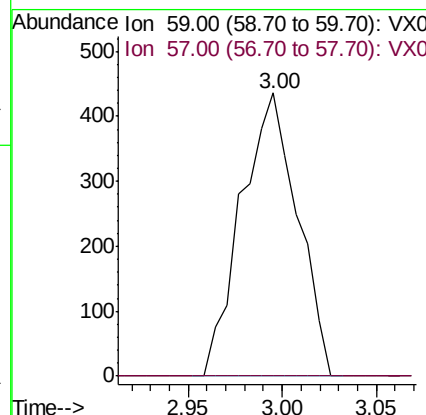
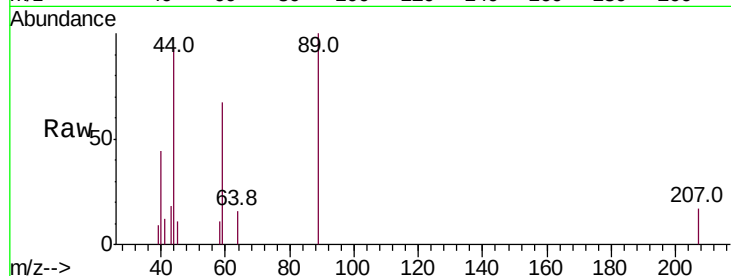


#11

Tert butyl alcohol
Concen: 1.308 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

Instrument :
MSVOA_X
ClientSampled :
MW-2

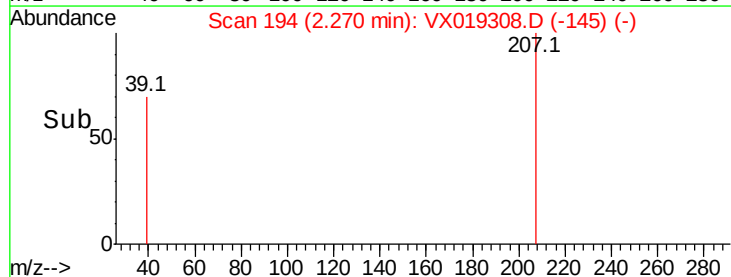
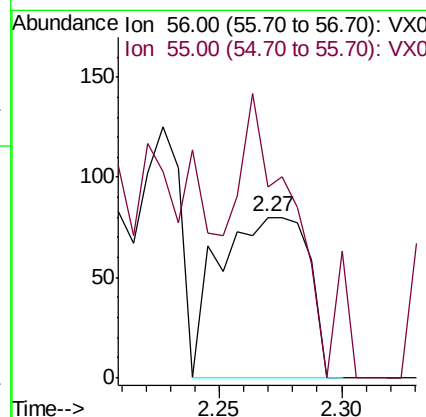
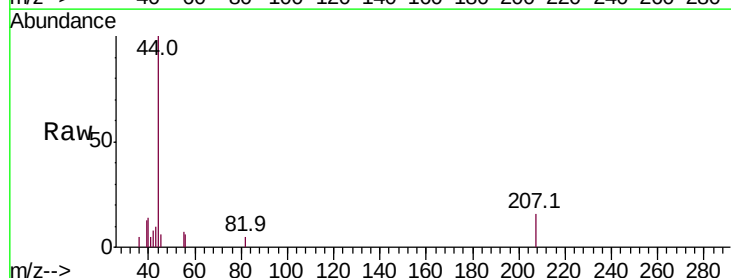
Tot Ion: 59 Resp: 900
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

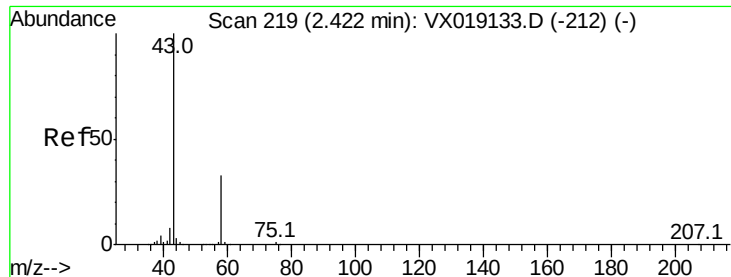


#13

Acrolein
Concen: 6.296 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 113.7 54.7 82.1#





#16

Acetone

Concen: 6.292 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

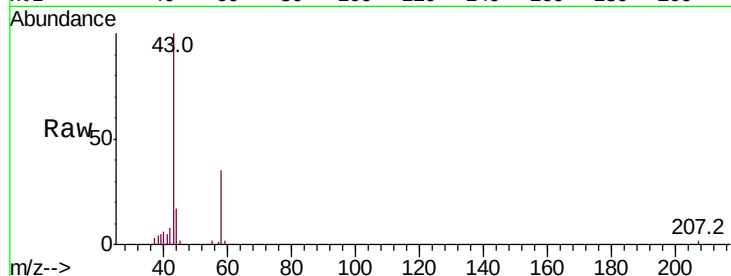
MW-2

Tot Ion: 43 Resp: 7559

Ion Ratio Lower Upper

43 100

58 35.2 26.3 39.5

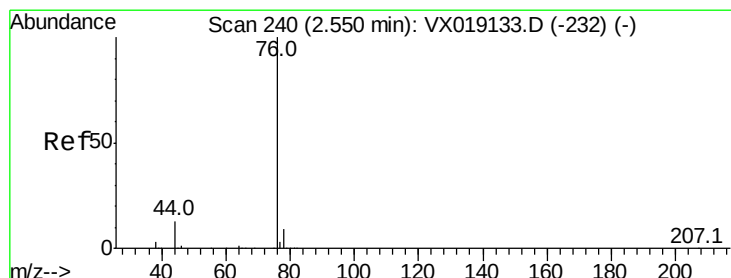
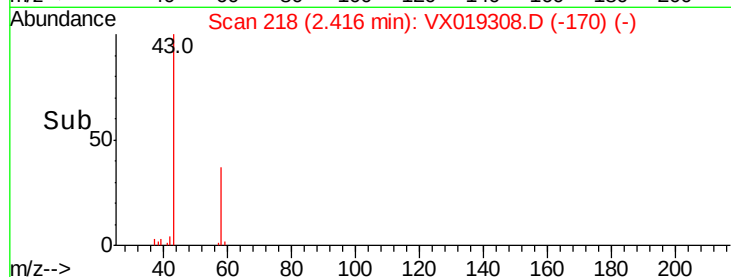


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

Time-->



#17

Carbon Disulfide

Concen: 0.843 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019308.D

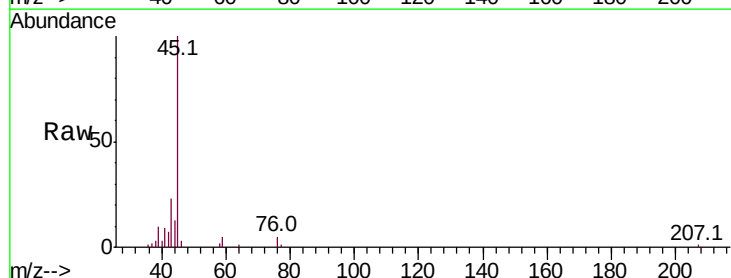
Acq: 05 Nov 2020 13:03

Tgt Ion: 76 Resp: 630

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

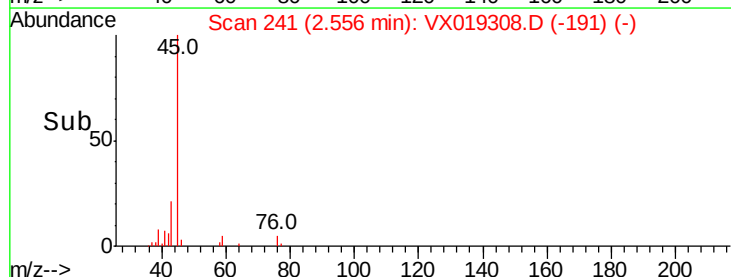


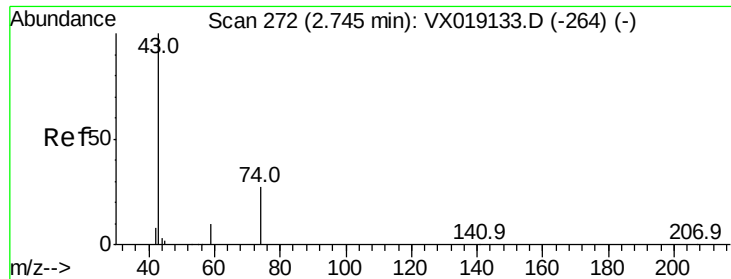
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

Time-->

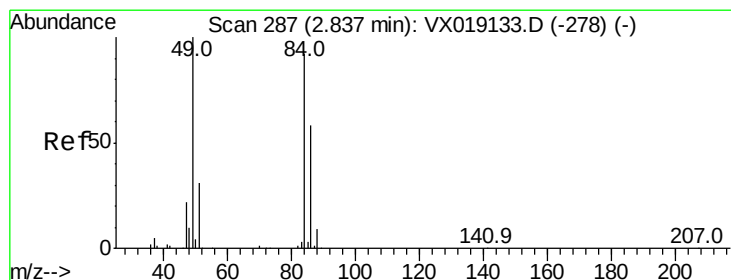
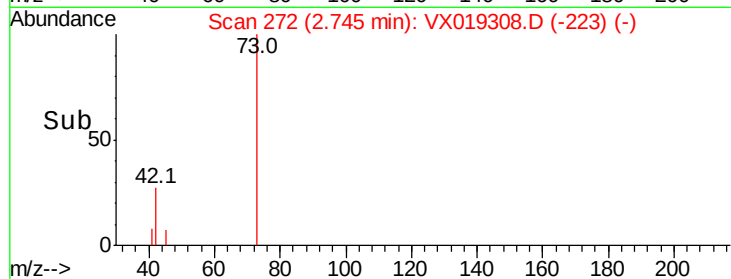
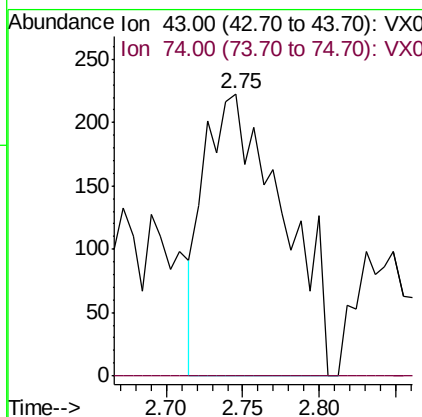
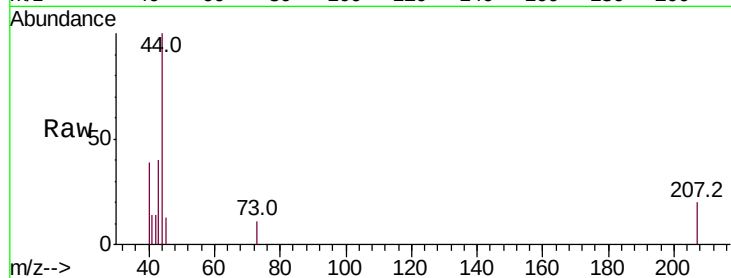




#18
Methvl Acetate
Concen: 0.272 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

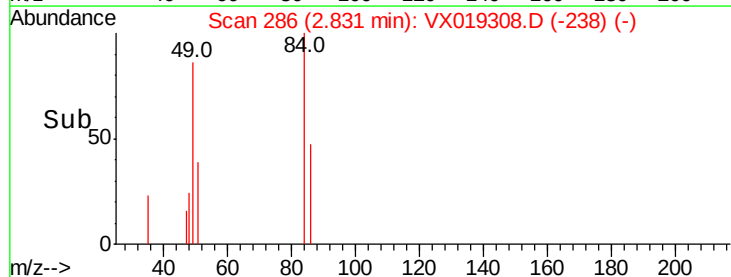
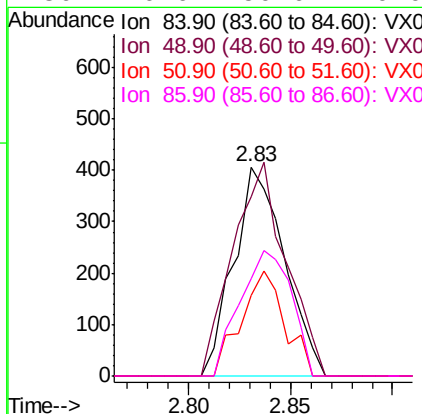
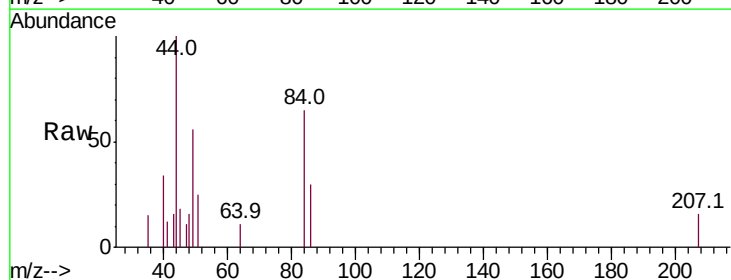
Instrument :
MSVOA_X
ClientSampled :
MW-2

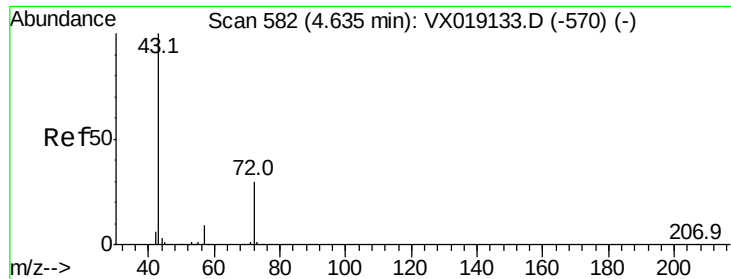
Tot Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
74 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: 0.233 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

Tgt Ion: 84 Resp: 704
Ion Ratio Lower Upper
84 100
49 85.7 86.8 130.2#
51 38.9 27.3 40.9
86 46.6 50.6 76.0#

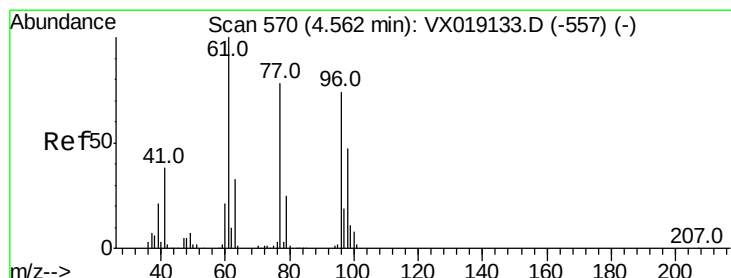
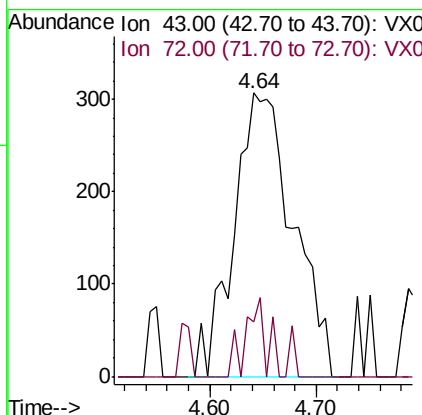
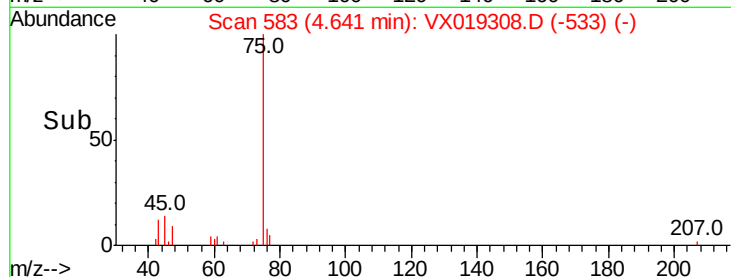
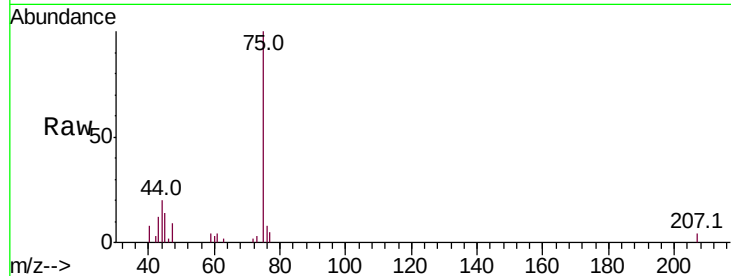




#25
2-Butanone
Concen: 0.631 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

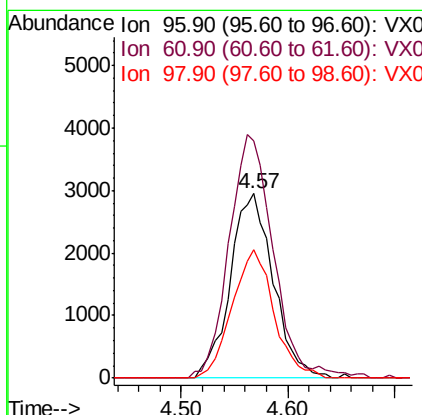
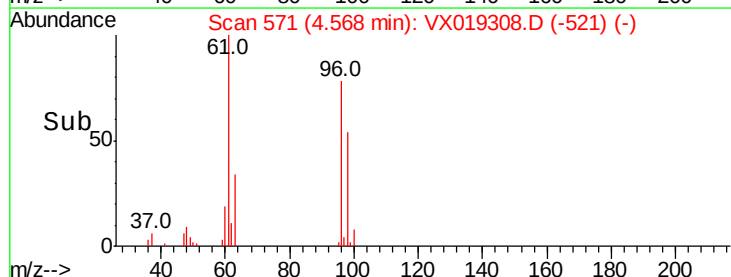
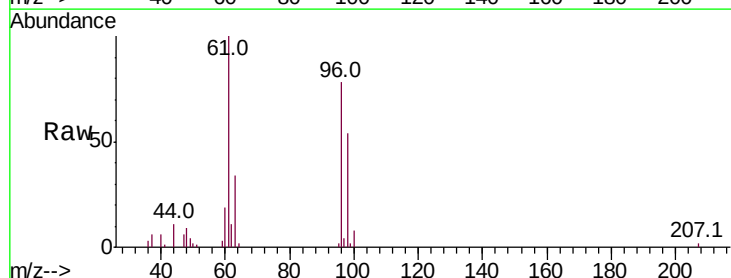
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MSVOA_X
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MW-2

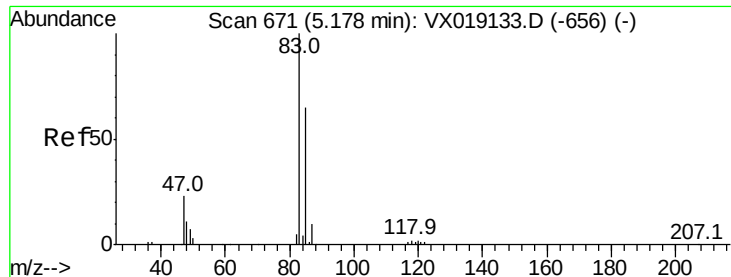
Tot Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
72 19.2 24.6 36.8#



#27
cis-1,2-Dichloroethene
Concen: 2.482 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

Tgt Ion: 96 Resp: 8355
Ion Ratio Lower Upper
96 100
61 136.1 0.0 278.8
98 67.8 0.0 130.2

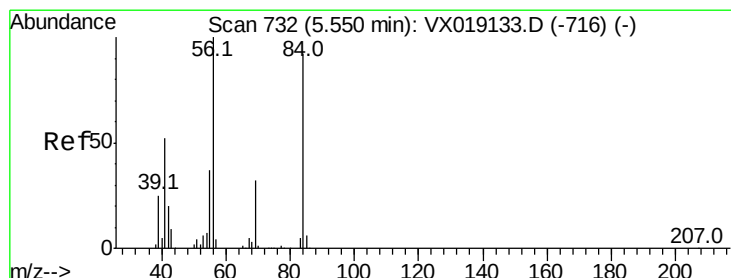
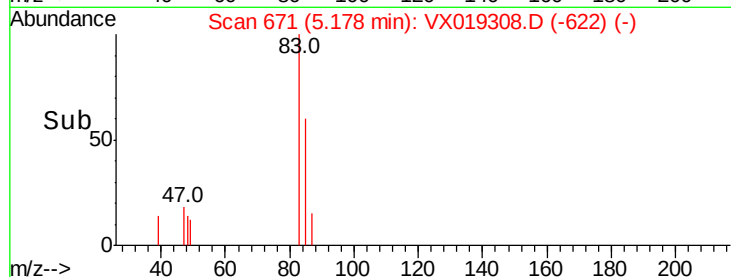
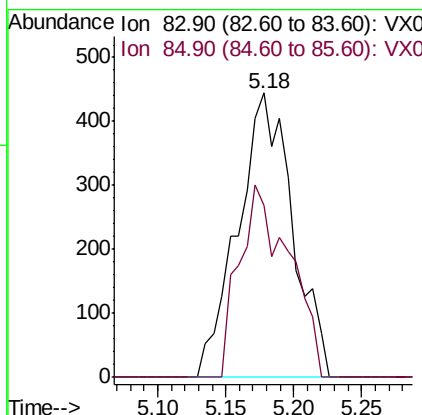
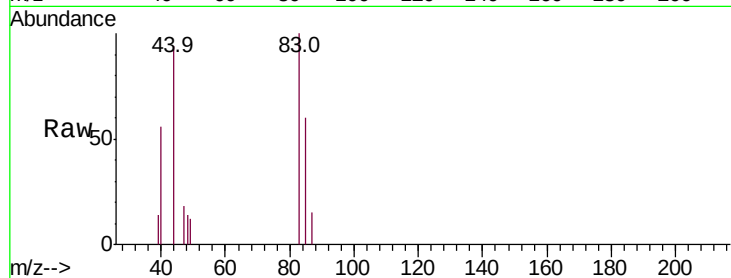




#30
Chloroform
Concen: 0.237 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

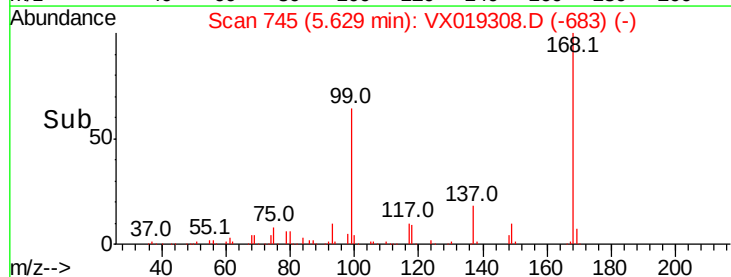
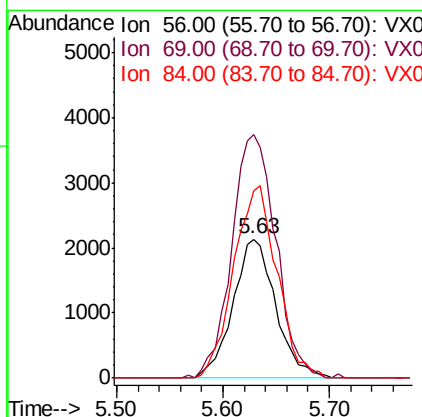
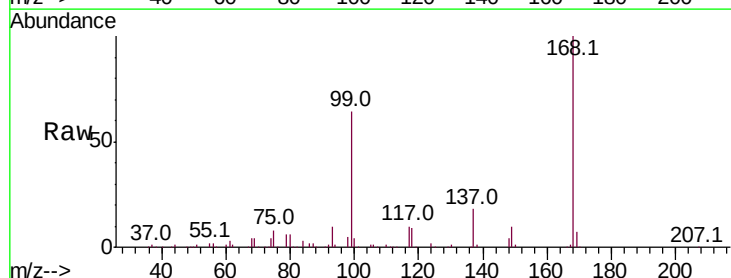
Instrument :
MSVOA_X
ClientSampleId :
MW-2

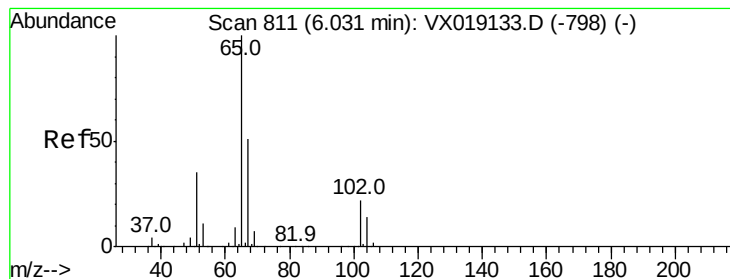
Tot Ion: 83 Resp: 1243
Ion Ratio Lower Upper
83 100
85 60.4 51.9 77.9



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

Tgt Ion: 56 Resp: 5996
Ion Ratio Lower Upper
56 100
69 173.1 25.9 38.9#
84 135.2 73.4 110.2#





#33

1,2-Dichloroethane-d4

Concen: 56.189 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

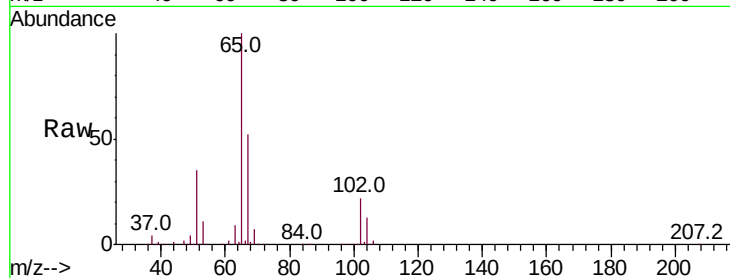
MW-2

Tot Ion: 65 Resp: 195683

Ion Ratio Lower Upper

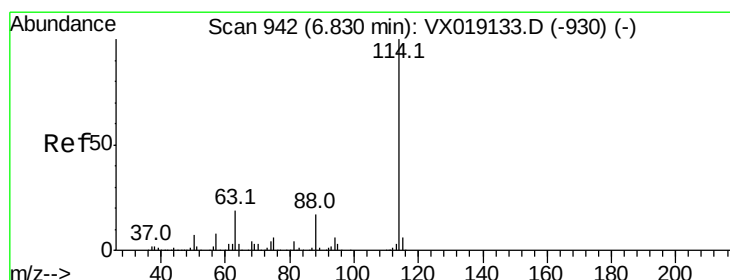
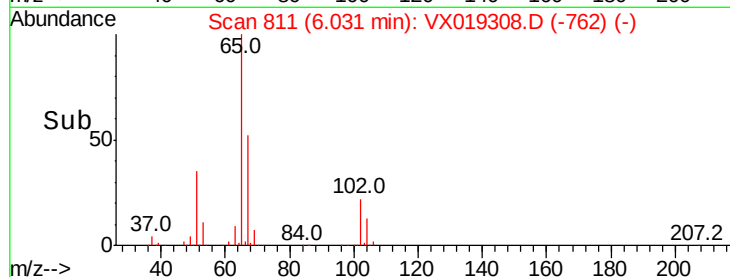
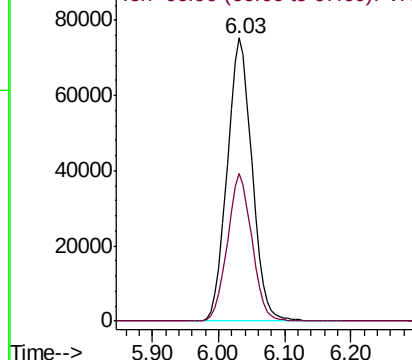
65 100

67 51.2 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: VX019308.D

Acq: 05 Nov 2020 13:03

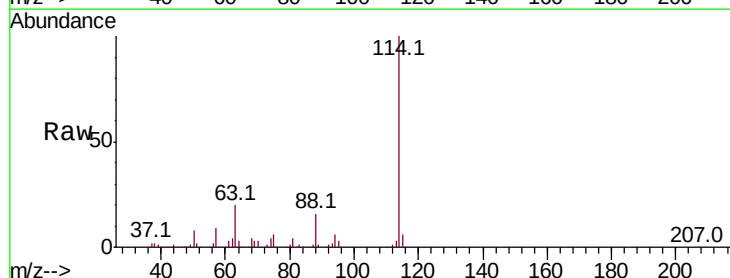
Tgt Ion: 114 Resp: 483202

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.8

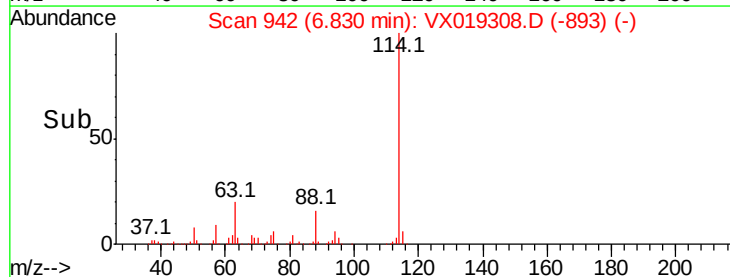
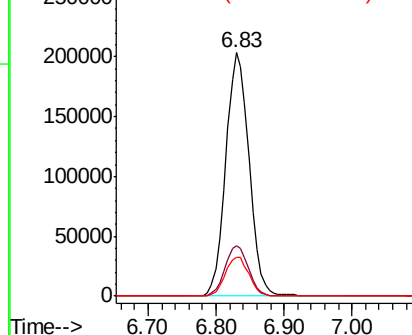
88 16.1 0.0 34.2

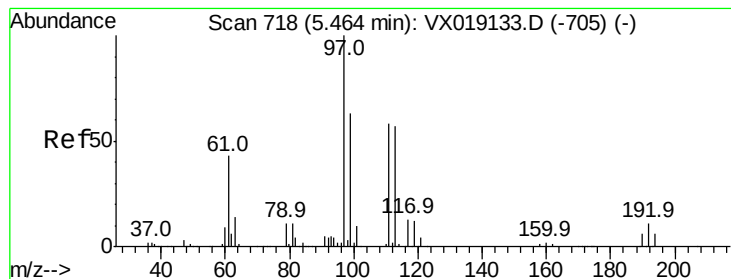


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.684 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

MW-2

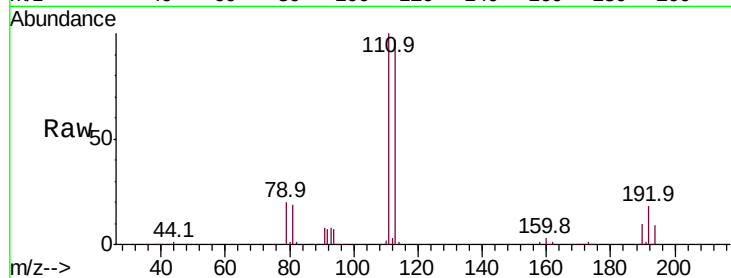
Tot Ion:113 Resp: 153833

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

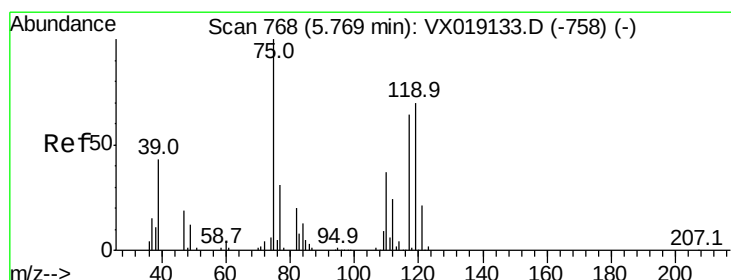
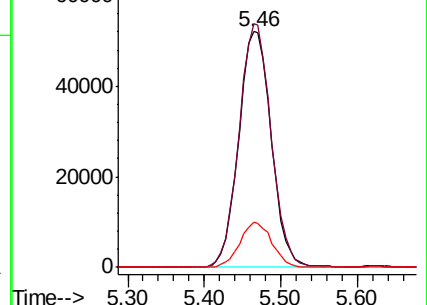
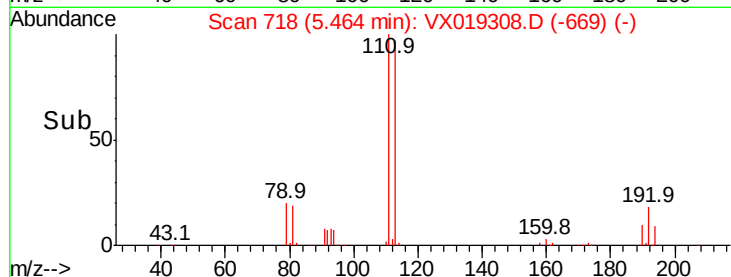
192 18.8 16.2 24.2



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: 4.922 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

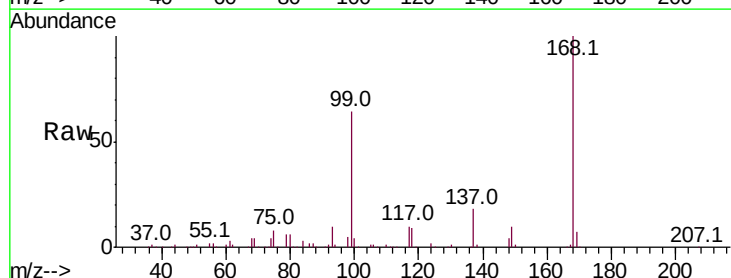
Tgt Ion: 75 Resp: 21961

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.9#

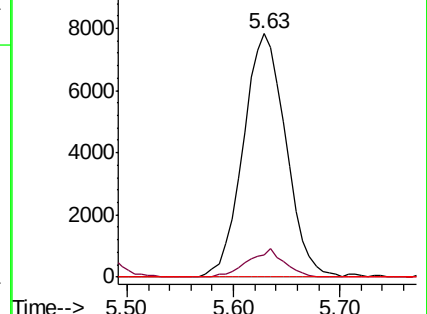
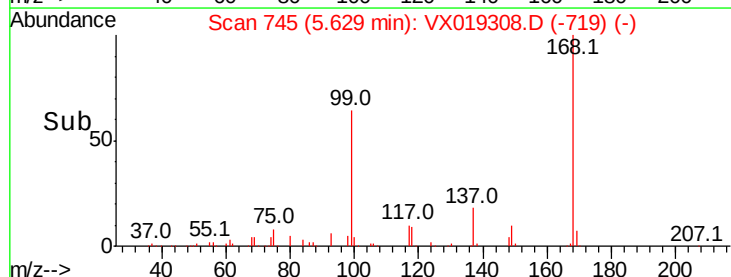
77 0.0 24.9 37.3#

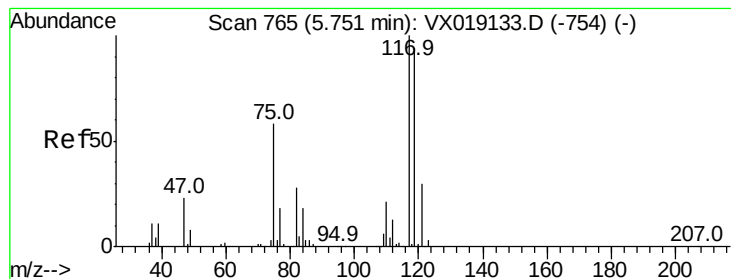


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.220 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

MW-2

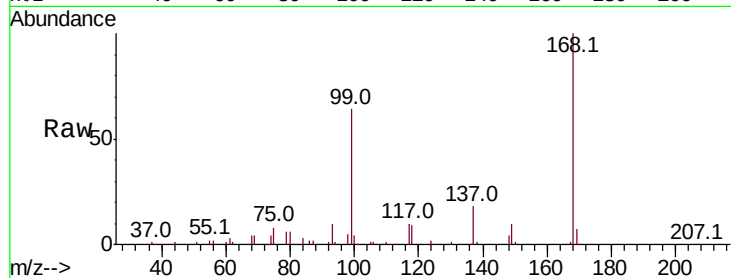
Tot Ion:117 Resp: 28289

Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

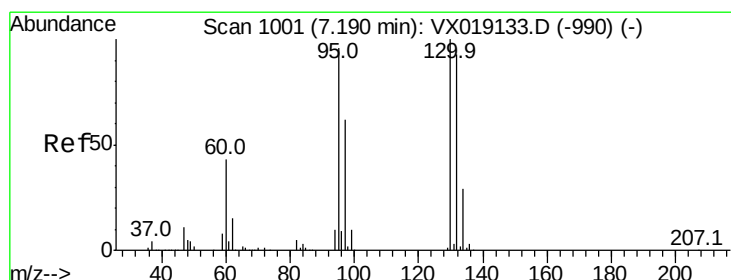
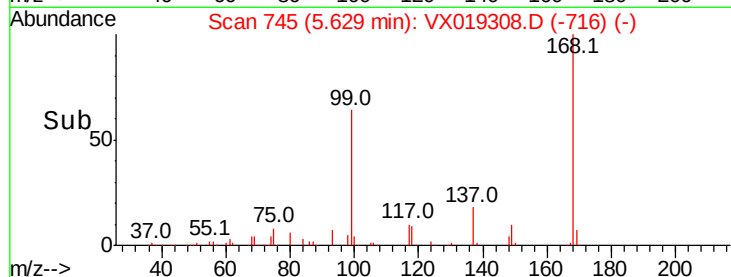
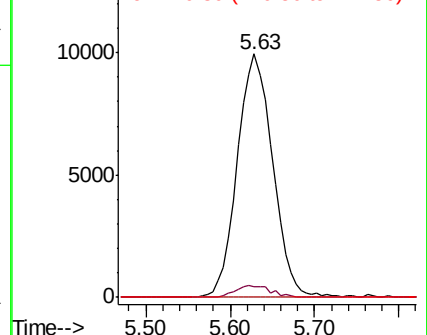
121 0.0 23.9 35.9#



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: 5.303 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019308.D

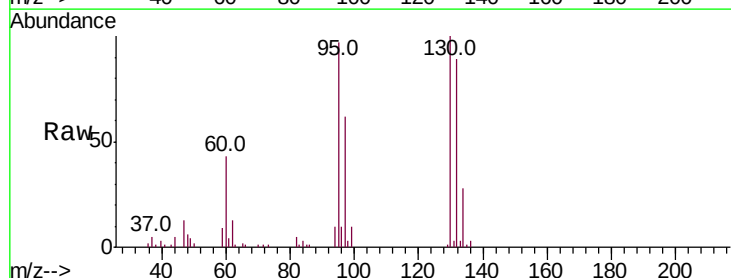
Acq: 05 Nov 2020 13:03

Tgt Ion:130 Resp: 19214

Ion Ratio Lower Upper

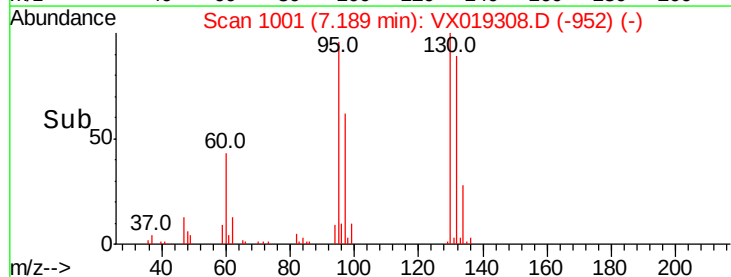
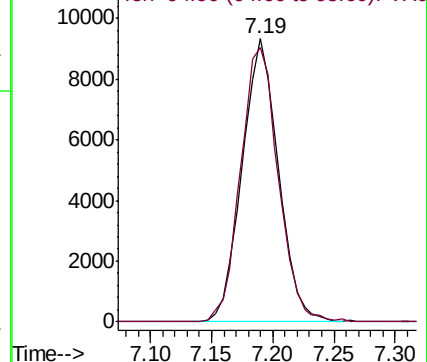
130 100

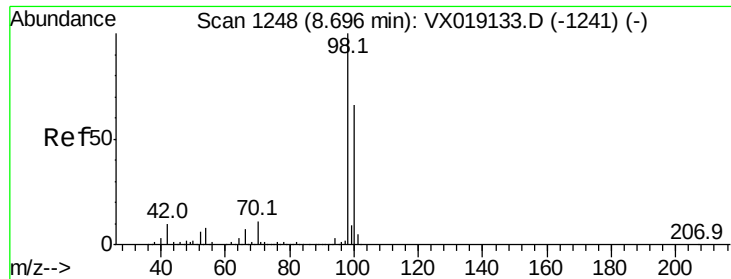
95 97.0 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

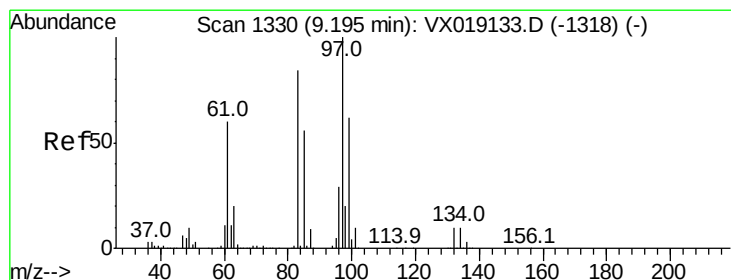
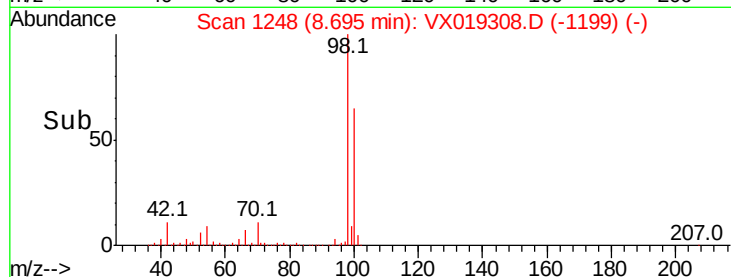
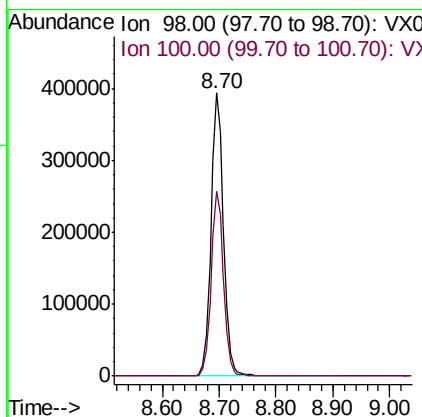
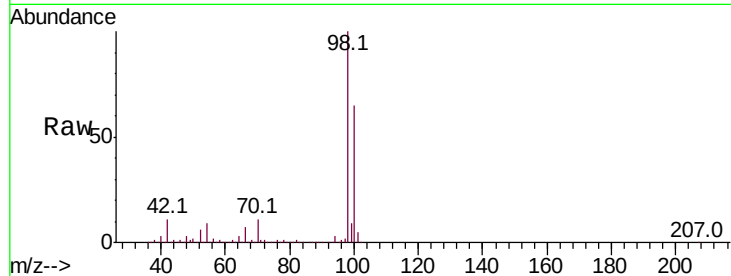




#50
Toluene-d8
Concen: 52.336 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

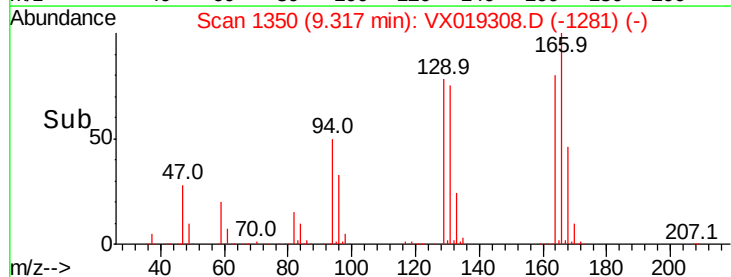
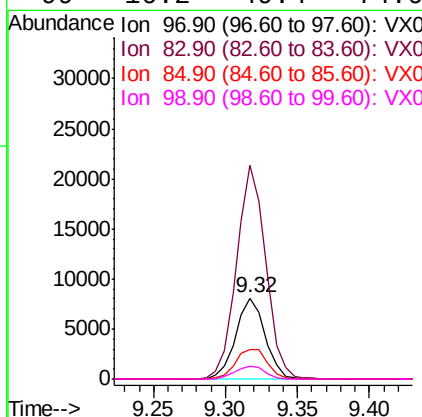
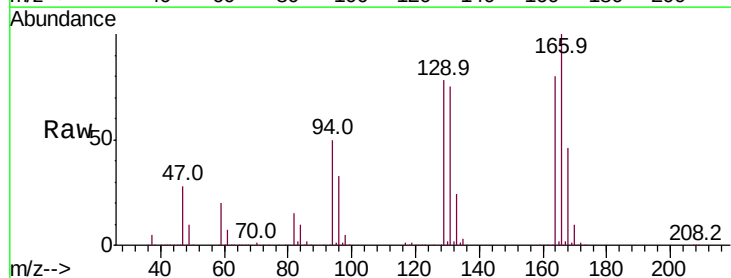
Instrument :
MSVOA_X
ClientSampled :
MW-2

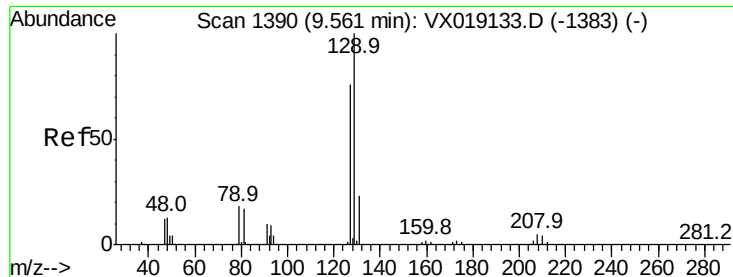
Tot Ion: 98 Resp: 598799
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6



#55
1,1,2-Trichloroethane
Concen: 3.570 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.12 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

Tgt Ion: 97 Resp: 11494
Ion Ratio Lower Upper
97 100
83 264.8 67.2 100.8#
85 36.7 44.6 67.0#
99 16.2 49.4 74.0#





#60

Dibromochloromethane

Concen: 345.022 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

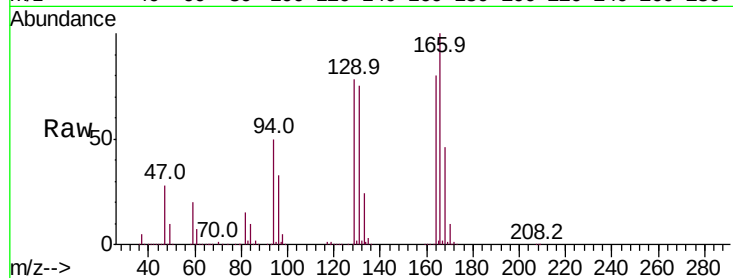
MW-2

Tot Ion:129 Resp: 1205481

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

800000

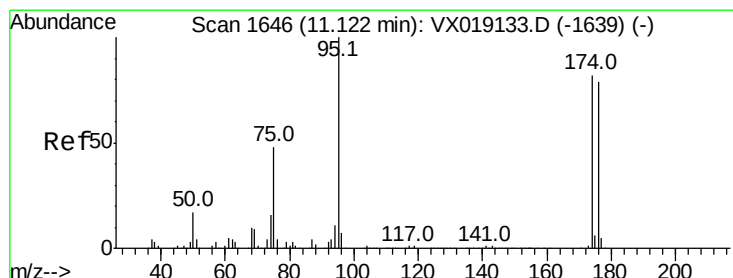
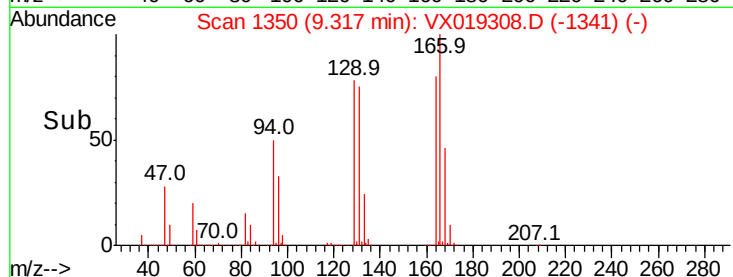
600000

400000

200000

0

Time--> 9.20 9.30 9.40 9.50



#62

4-Bromofluorobenzene

Concen: 53.249 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

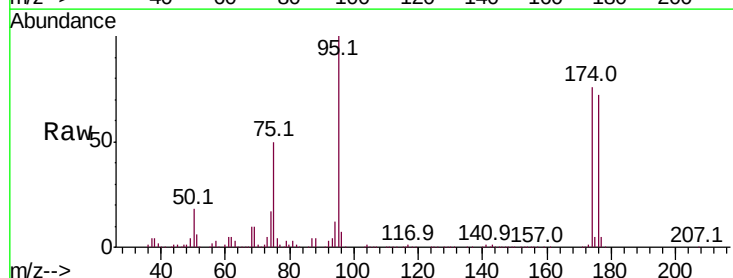
Tgt Ion: 95 Resp: 230726

Ion Ratio Lower Upper

95 100

174 74.2 0.0 156.0

176 70.1 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

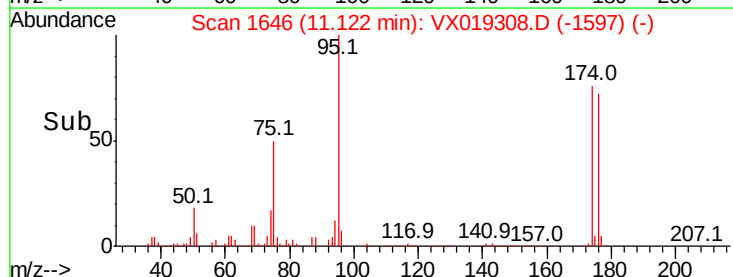
150000

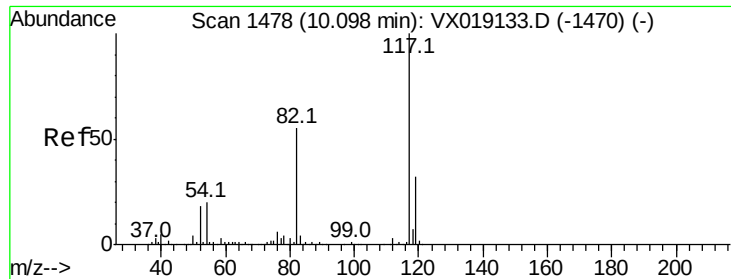
100000

50000

0

Time--> 11.10 11.20

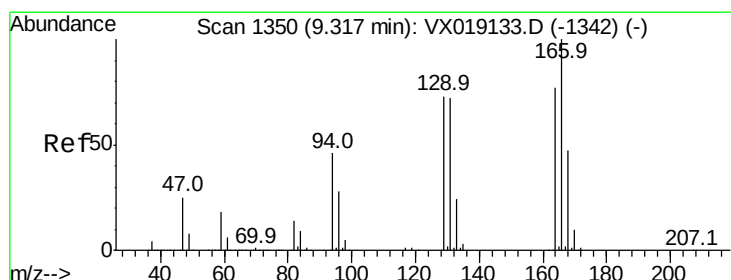
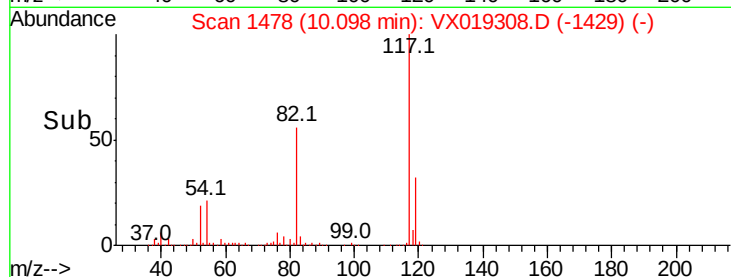
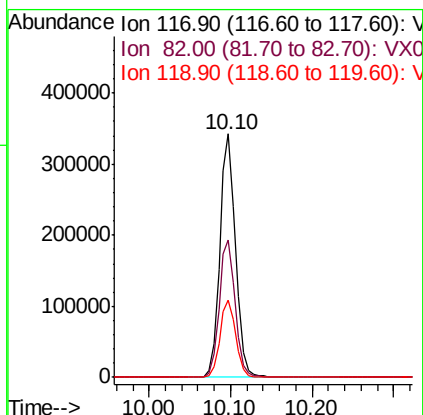
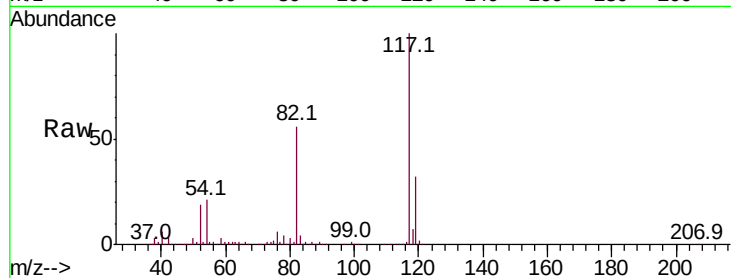




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

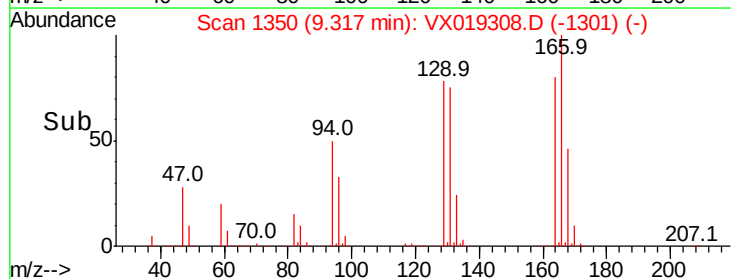
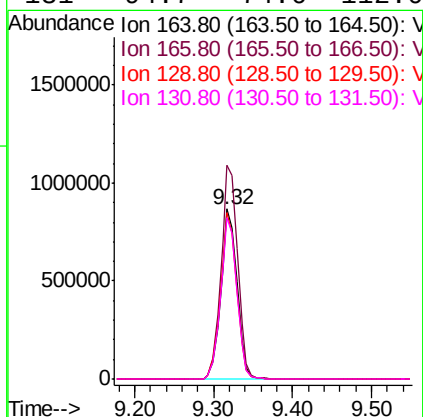
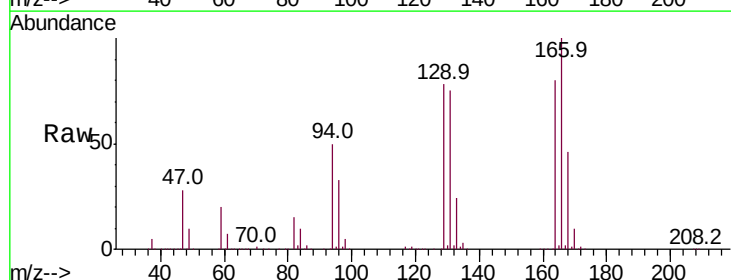
Instrument :
MSVOA_X
ClientSampled :
MW-2

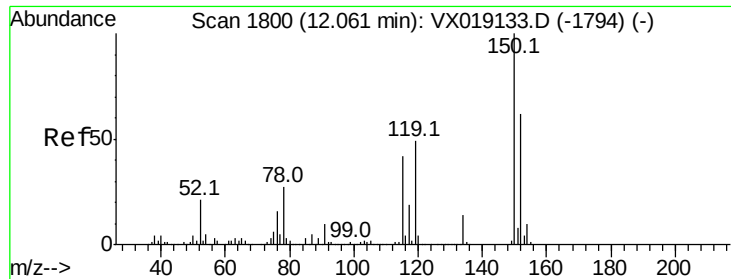
Tot Ion:117 Resp: 460102
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 350.321 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019308.D
Acq: 05 Nov 2020 13:03

Tgt Ion:164 Resp: 1228041
Ion Ratio Lower Upper
164 100
166 125.6 104.1 156.1
129 97.8 76.2 114.4
131 94.7 74.6 112.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

MW-2

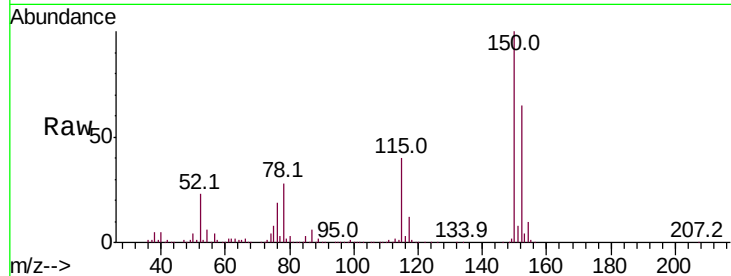
Tot Ion:152 Resp: 230390

Ion Ratio Lower Upper

152 100

115 60.9 41.9 125.7

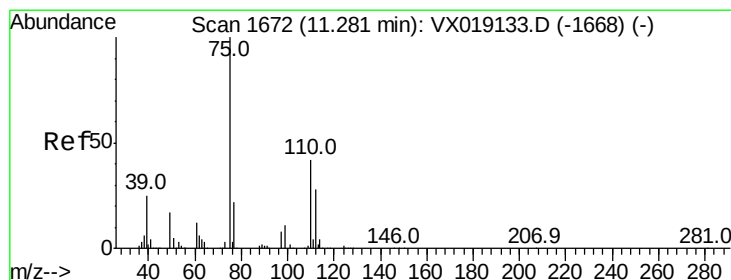
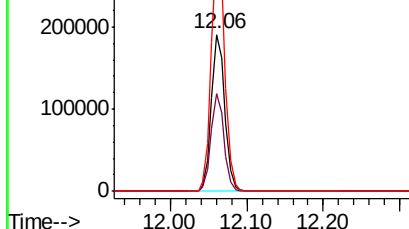
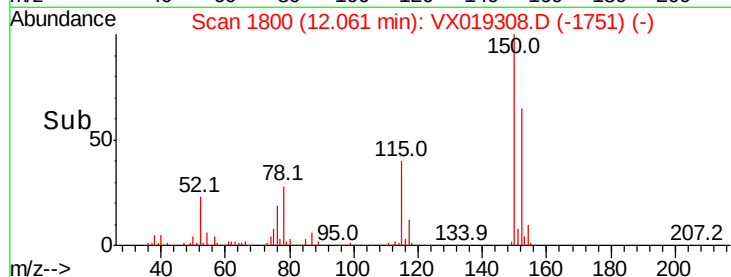
150 155.7 0.0 347.8



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: 24.557 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019308.D

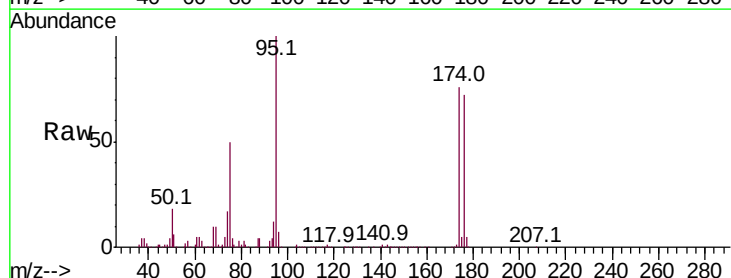
Acq: 05 Nov 2020 13:03

Tgt Ion: 75 Resp: 116820

Ion Ratio Lower Upper

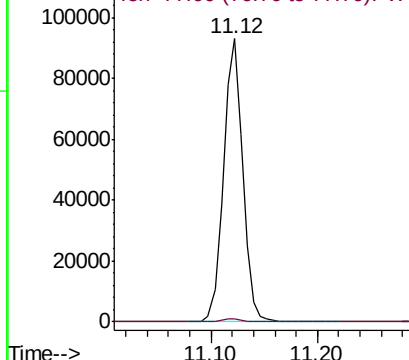
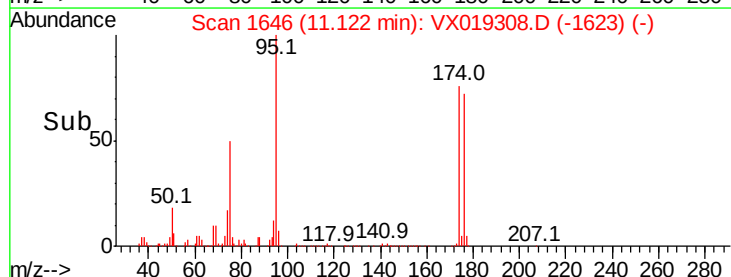
75 100

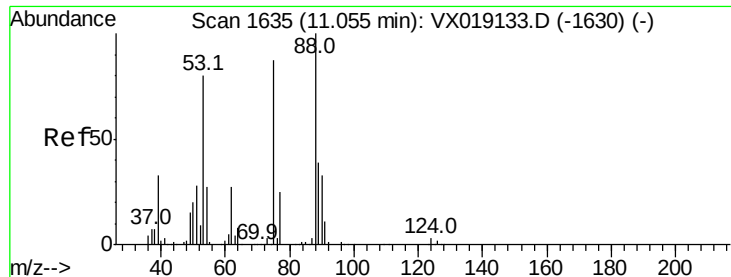
77 1.2 20.3 60.9#



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: 64.659 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019308.D

Acq: 05 Nov 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 75 Resp: 116820

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

