

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121920\
 Data File : VX020227.D
 Acq On : 20 Dec 2020 14:27
 Operator : JC/MD
 Sample : L5095-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 39-MW106-121420

Quant Time: Dec 21 02:51:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	282362	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	483263	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	458816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	200496	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	190179	50.25	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.50%
35) Dibromofluoromethane	5.464	113	152929	49.47	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.94%
50) Toluene-d8	8.696	98	593682	49.89	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.78%
62) 4-Bromofluorobenzene	11.122	95	209832	46.07	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.14%

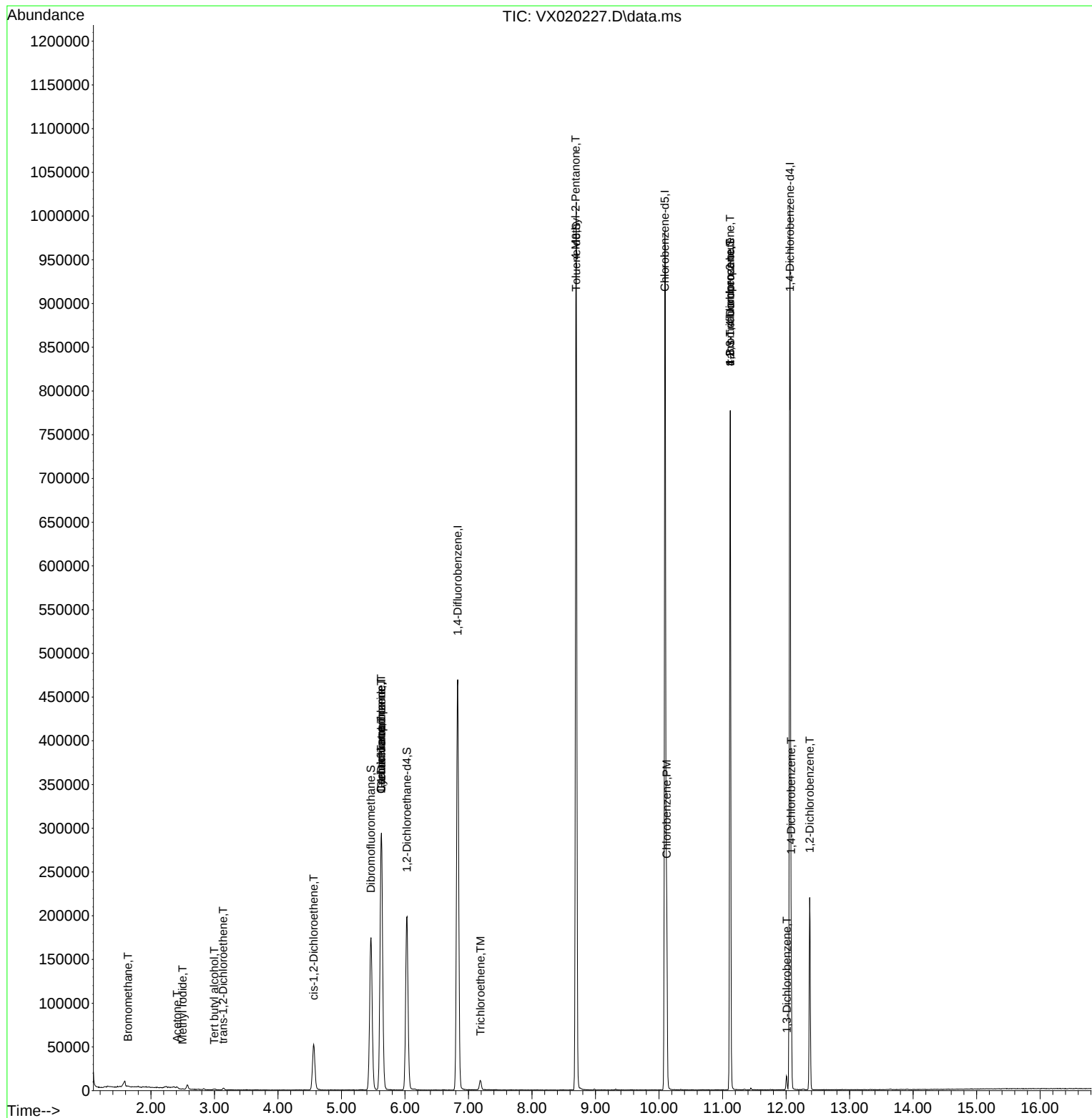
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	718	0.58	ug/l #	79
10) Methyl Iodide	2.495	142	434	3.39	ug/l #	83
11) Tert butyl alcohol	2.995	59	740	0.87	ug/l #	73
16) Acetone	2.410	43	2053	1.19	ug/l #	80
21) trans-1,2-Dichloroethene	3.136	96	816	0.23	ug/l	83
27) cis-1,2-Dichloroethene	4.562	96	34219	8.66	ug/l	91
31) Cyclohexane	5.623	56	5765	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	22423	4.69	ug/l #	48
38) Carbon Tetrachloride	5.623	117	28230	6.21	ug/l #	17
44) Trichloroethene	7.190	130	4362	1.14	ug/l	96
51) 4-Methyl-2-Pentanone	8.689	43	2465	0.51	ug/l #	1
65) Chlorobenzene	10.122	112	93997	9.55	ug/l	99
76) 1,2,3-Trichloropropane	11.122	75	103069	20.87	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	103069	61.92	ug/l #	12
87) 1,3-Dichlorobenzene	12.012	146	5256	0.77	ug/l	99
88) 1,4-Dichlorobenzene	12.079	146	45258	6.34	ug/l	97
91) 1,2-Dichlorobenzene	12.372	146	69341	10.19	ug/l	100

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

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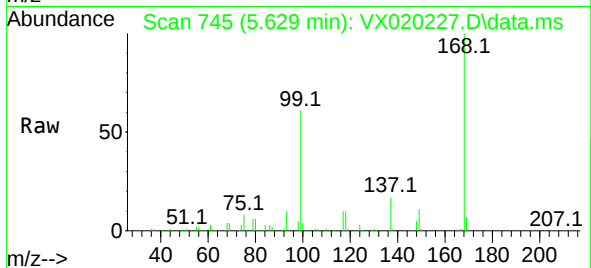
Quant Time: Dec 21 02:51:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



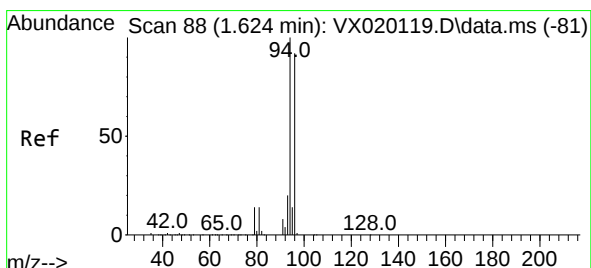
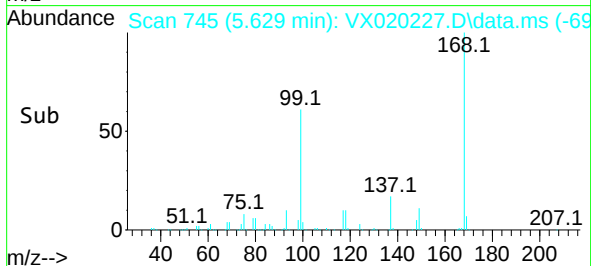
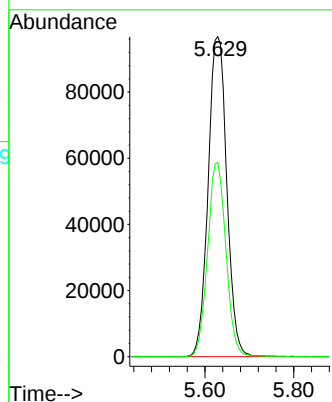


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420

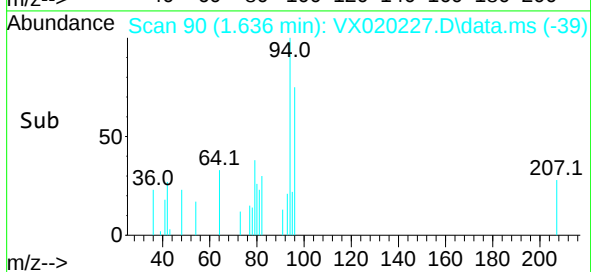
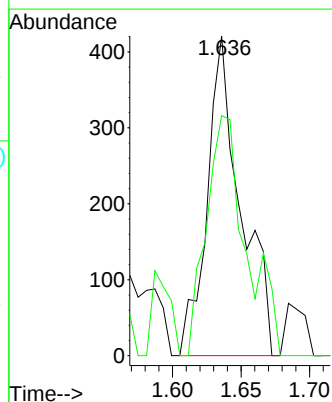
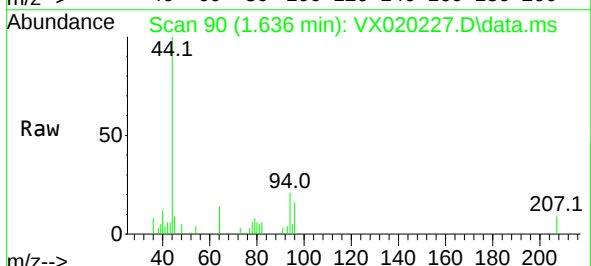


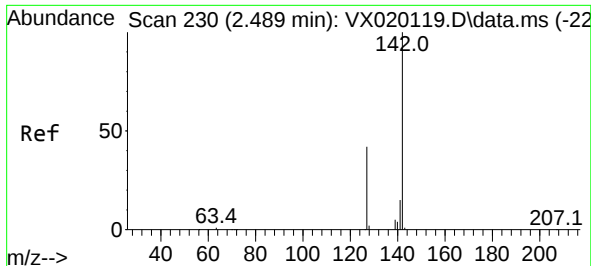
Tgt Ion:168 Resp: 282362
Ion Ratio Lower Upper
168 100
99 60.7 45.8 68.6



#5
Bromomethane
Concen: 0.58 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

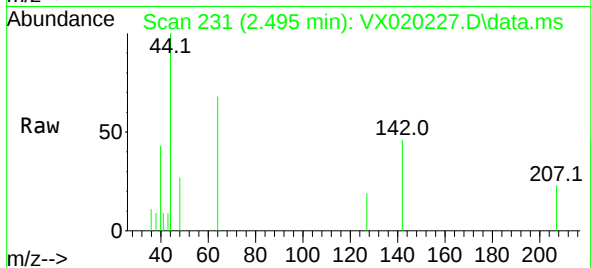
Tgt Ion: 94 Resp: 718
Ion Ratio Lower Upper
94 100
96 75.1 76.4 114.6#



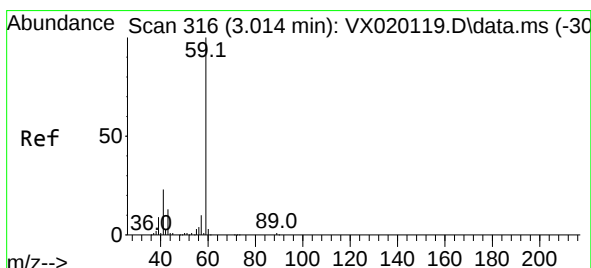
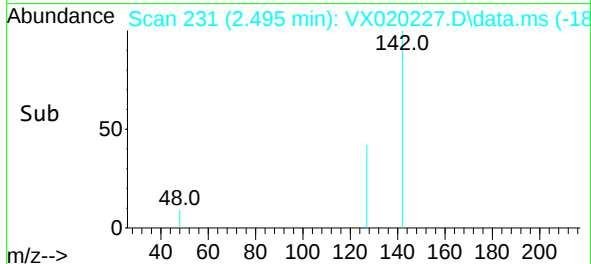
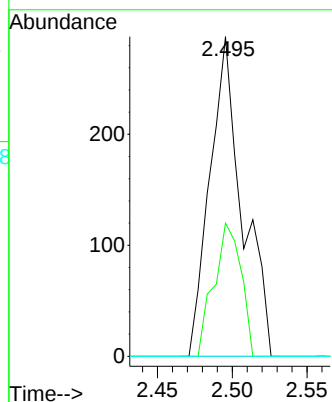


#10
Methyl Iodide
Concen: 3.39 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420

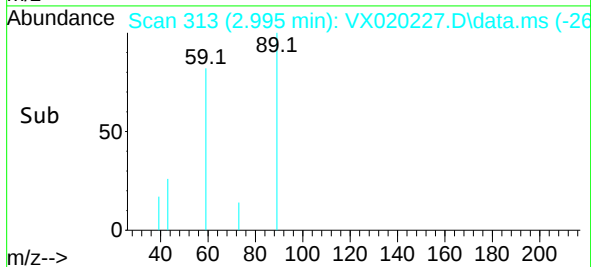
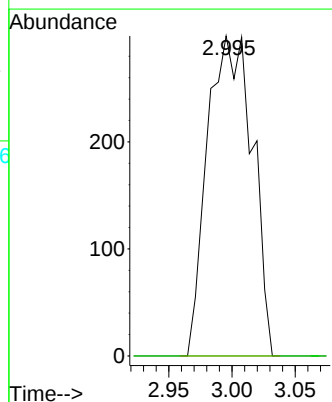
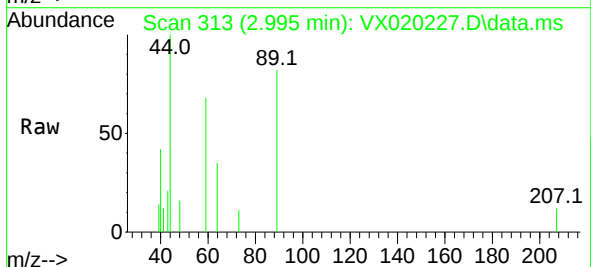


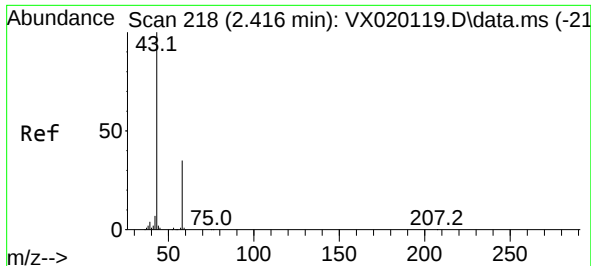
Tgt Ion:142 Resp: 434
Ion Ratio Lower Upper
142 100
127 34.8 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.87 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Tgt Ion: 59 Resp: 740
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

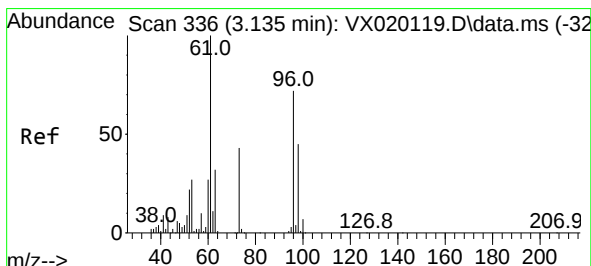
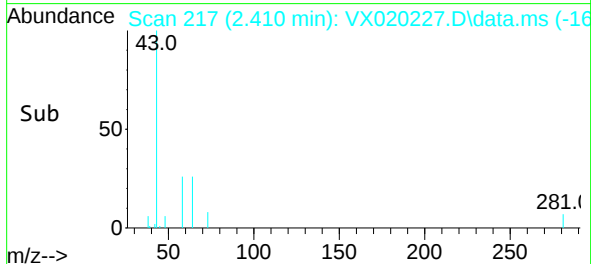
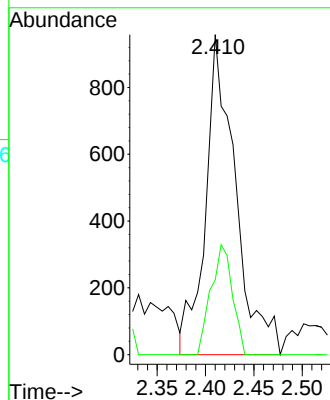
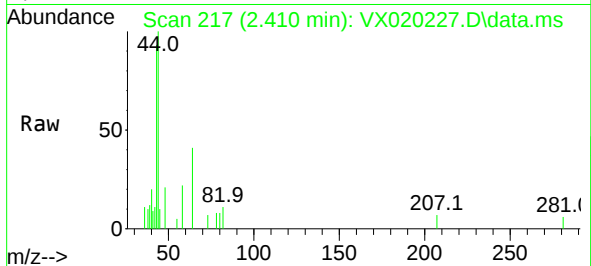




#16
Acetone
Concen: 1.19 ug/l
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

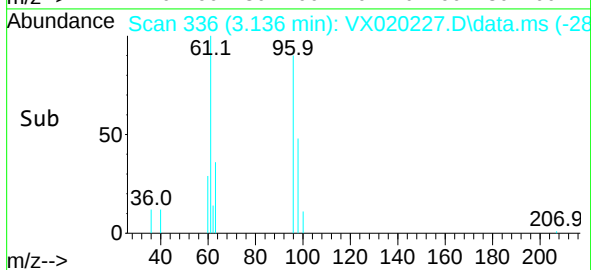
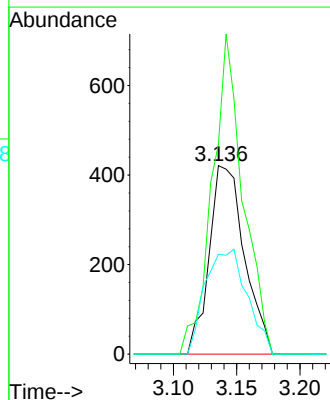
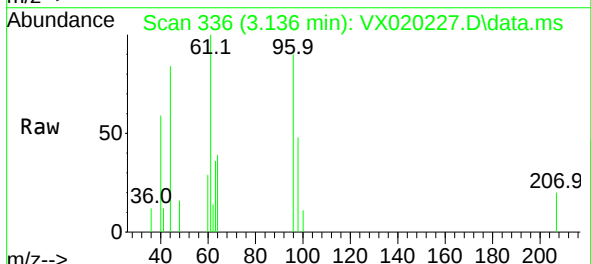
Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420

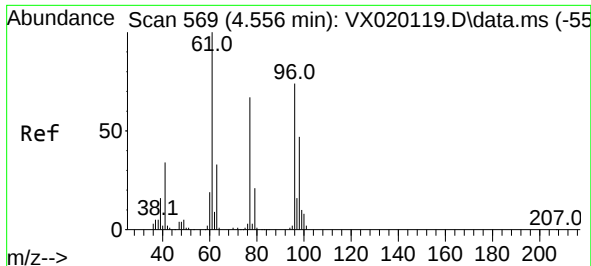
Tgt Ion: 43 Resp: 2053
Ion Ratio Lower Upper
43 100
58 23.4 27.8 41.8#



#21
trans-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 3.136 min Scan# 336
Delta R.T. 0.001 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Tgt Ion: 96 Resp: 816
Ion Ratio Lower Upper
96 100
61 111.4 107.7 161.5
98 53.0 50.4 75.6





#27

cis-1,2-Dichloroethene

Concen: 8.66 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX020227.D

Acq: 20 Dec 2020 14:27

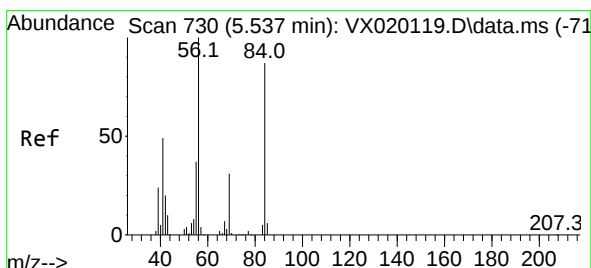
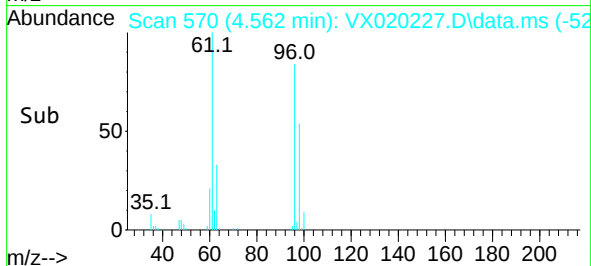
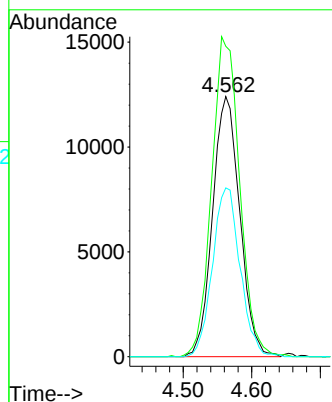
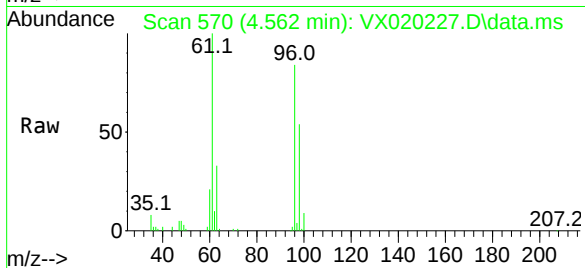
Instrument :

MSVOA_X

ClientSampleId :

39-MW106-121420

Tgt Ion:	96	Resp:	34219
Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	285.6
98	65.8	0.0	129.6



#31

Cyclohexane

Concen: 1.10 ug/l

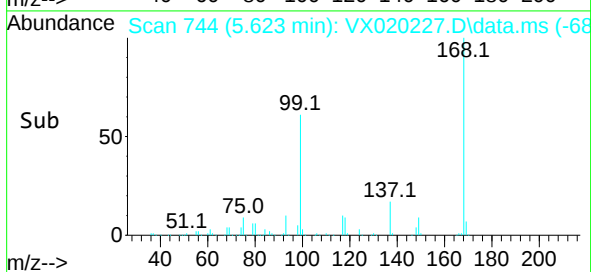
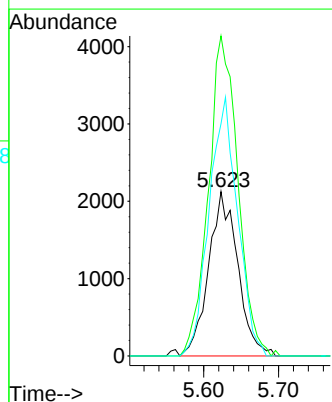
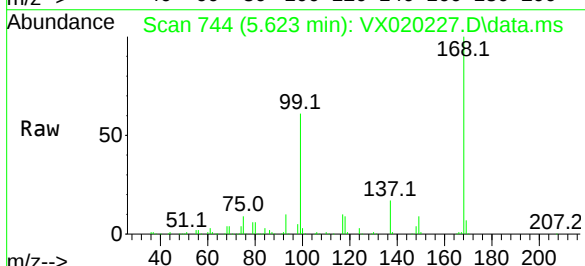
RT: 5.623 min Scan# 744

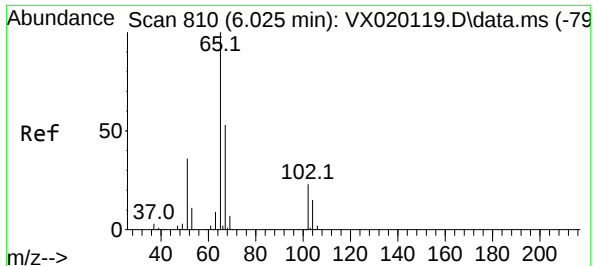
Delta R.T. 0.086 min

Lab File: VX020227.D

Acq: 20 Dec 2020 14:27

Tgt Ion:	56	Resp:	5765
Ion	Ratio	Lower	Upper
56	100		
69	194.6	25.3	37.9#
84	141.3	71.4	107.0#

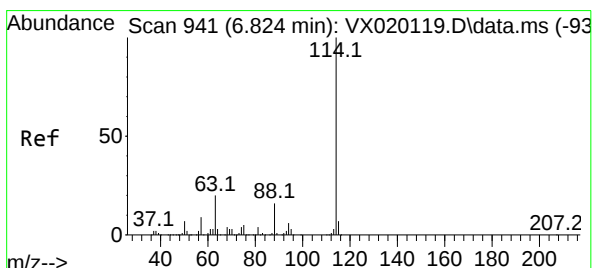
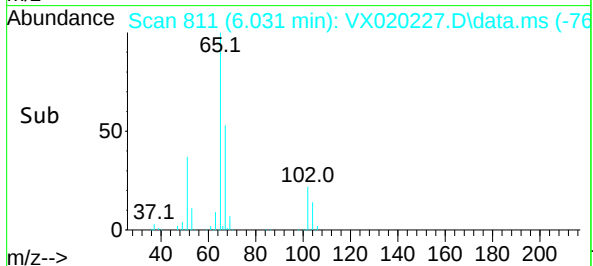
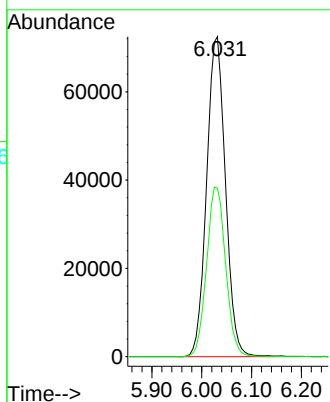
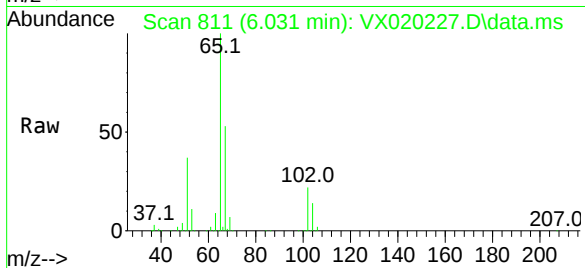




#33
1,2-Dichloroethane-d4
Concen: 50.25 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

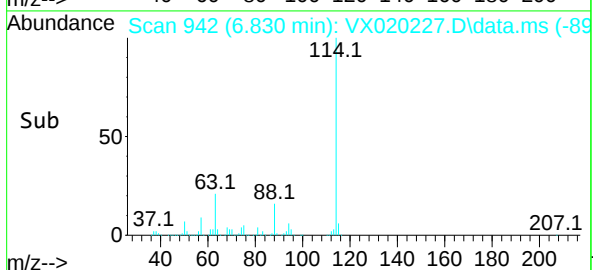
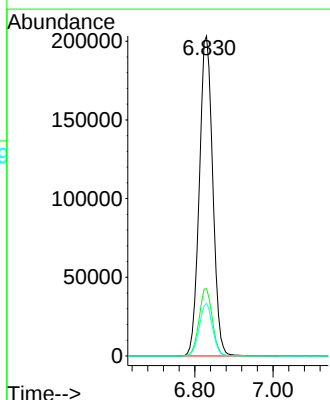
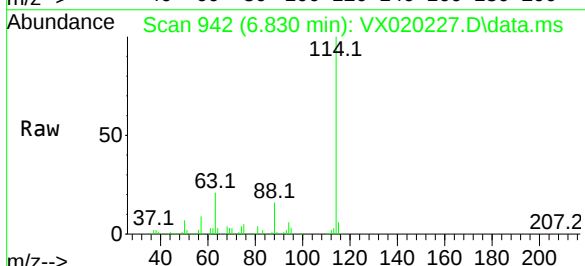
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MSVOA_X
ClientSampleId :
39-MW106-121420

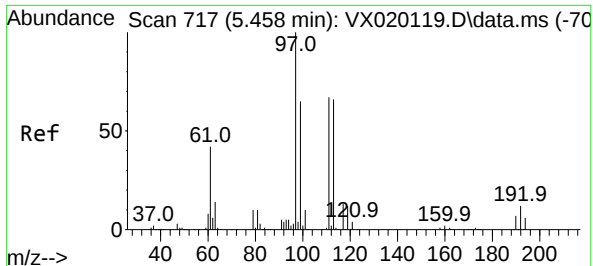
Tgt Ion: 65 Resp: 190179
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Tgt Ion: 114 Resp: 483263
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.47 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX020227.D

Acq: 20 Dec 2020 14:27

Tgt Ion:113 Resp: 152929

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

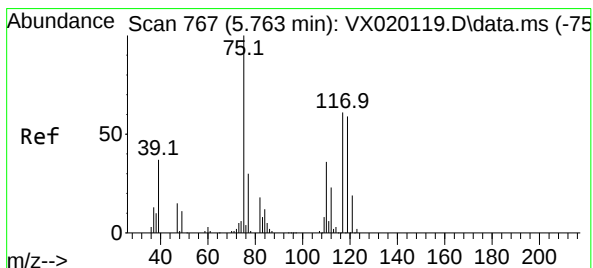
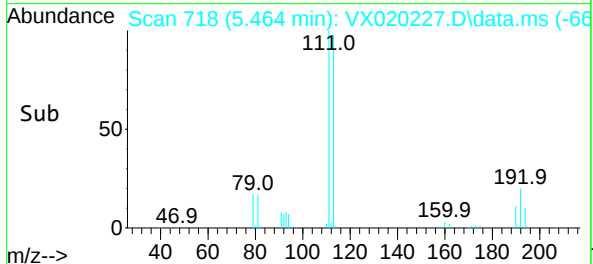
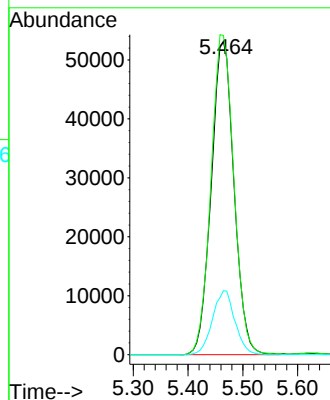
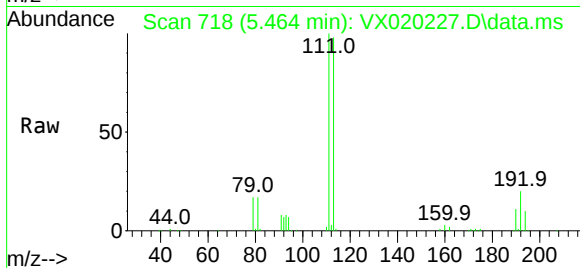
192 20.1 16.7 25.1

Instrument :

MSVOA_X

ClientSampleId :

39-MW106-121420



#36

1,1-Dichloropropene

Concen: 4.69 ug/l

RT: 5.623 min Scan# 744

Delta R.T. -0.140 min

Lab File: VX020227.D

Acq: 20 Dec 2020 14:27

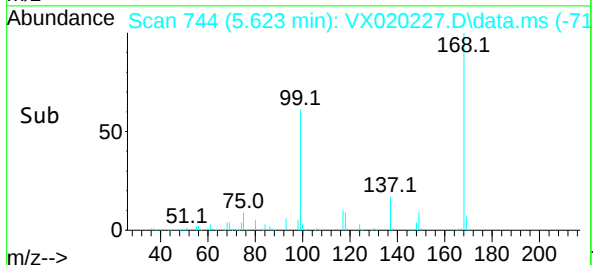
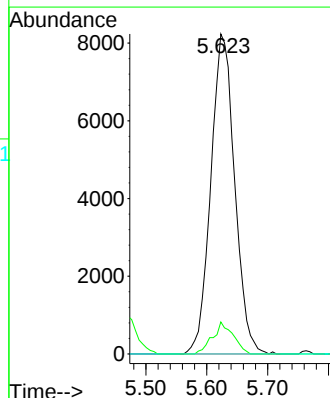
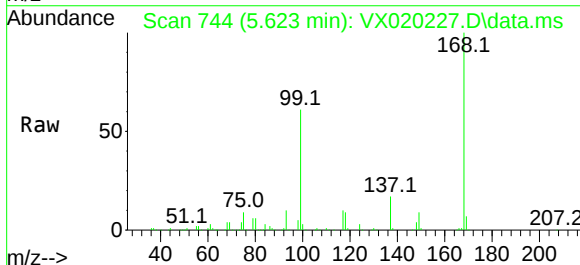
Tgt Ion: 75 Resp: 22423

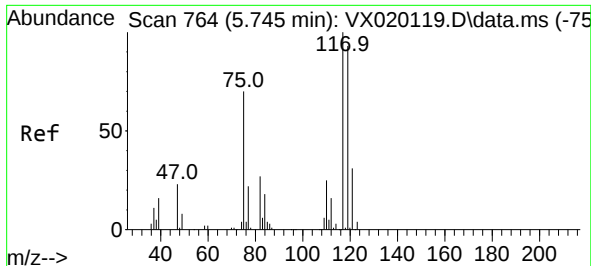
Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

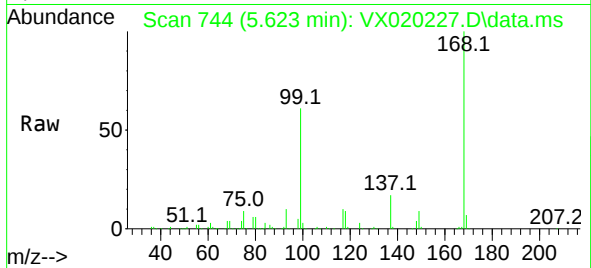
77 0.0 25.3 37.9#



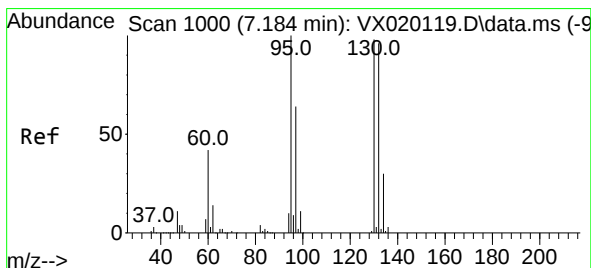
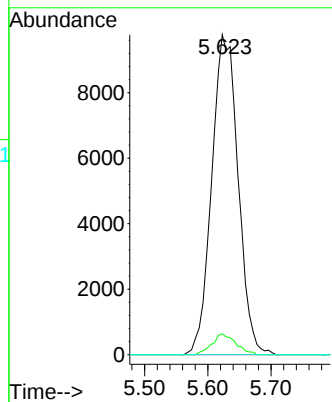
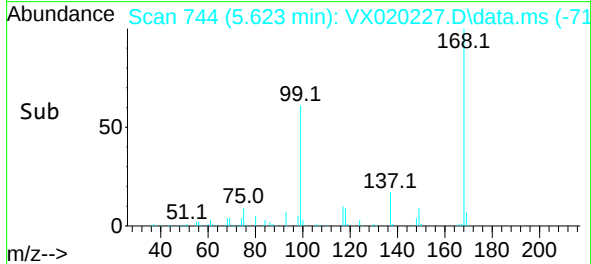


#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

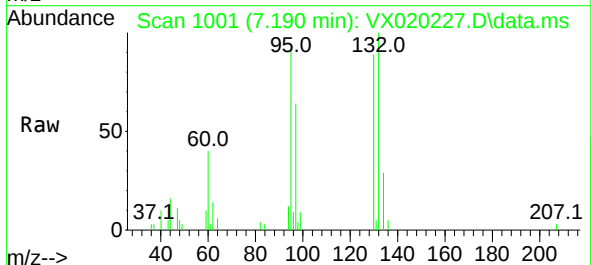
Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420



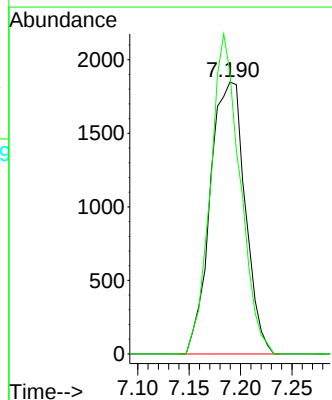
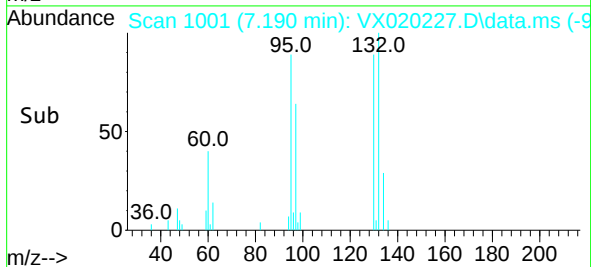
Tgt Ion:117 Resp: 28230
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#

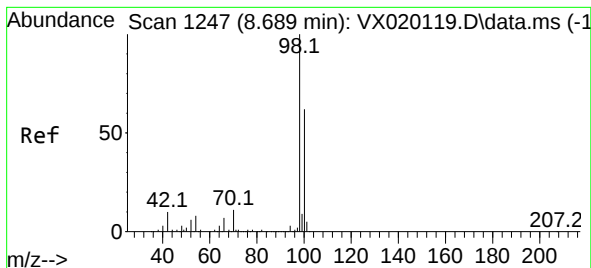


#44
Trichloroethene
Concen: 1.14 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27



Tgt Ion:130 Resp: 4362
Ion Ratio Lower Upper
130 100
95 103.4 0.0 198.0





#50

Toluene-d8

Concen: 49.89 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.007 min

Lab File: VX020227.D

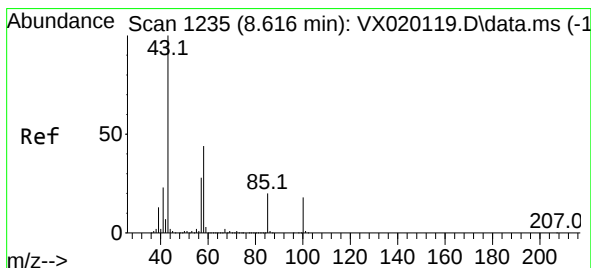
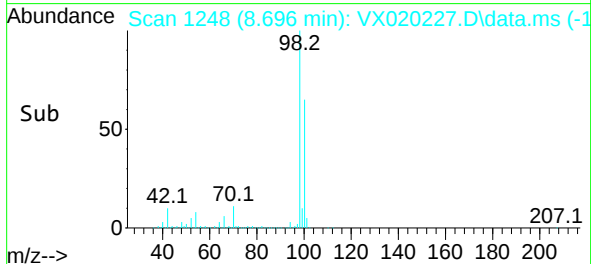
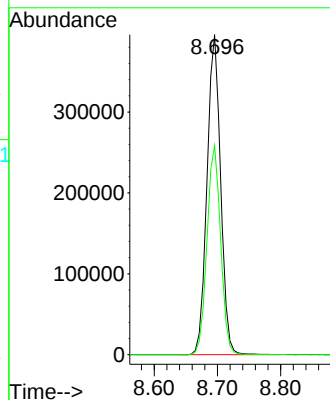
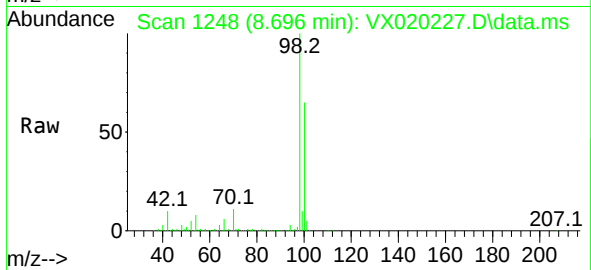
Acq: 20 Dec 2020 14:27

Tgt Ion: 98 Resp: 593682

Ion Ratio Lower Upper

98 100

100 65.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.51 ug/l

RT: 8.689 min Scan# 1247

Delta R.T. 0.073 min

Lab File: VX020227.D

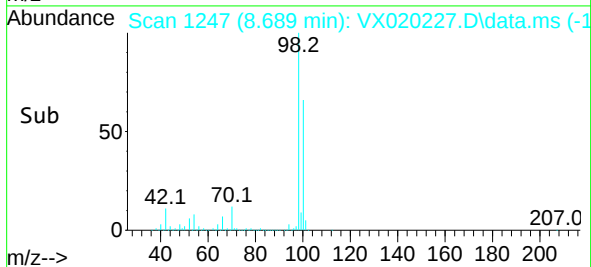
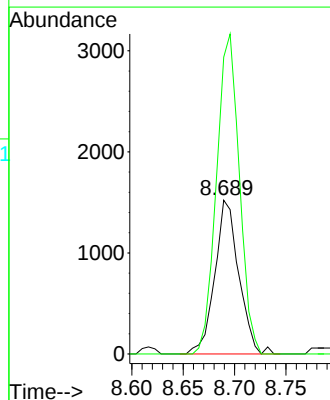
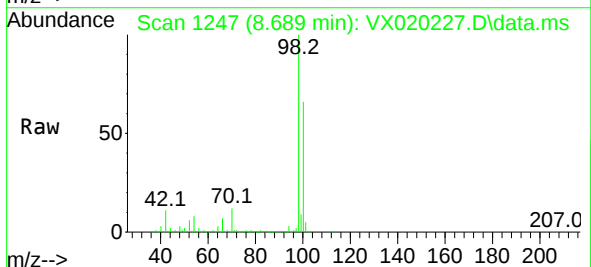
Acq: 20 Dec 2020 14:27

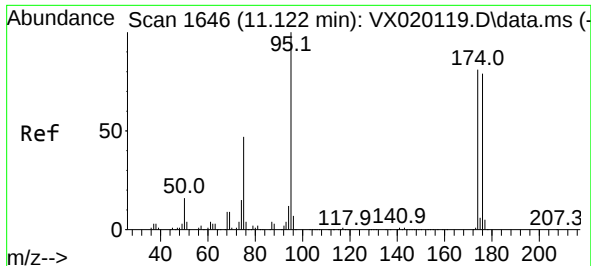
Tgt Ion: 43 Resp: 2465

Ion Ratio Lower Upper

43 100

58 198.1 35.4 53.0#

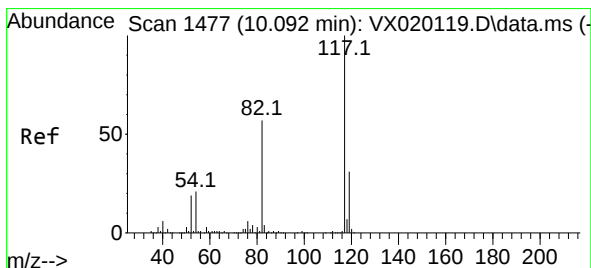
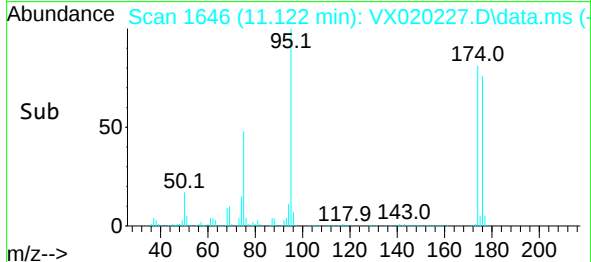
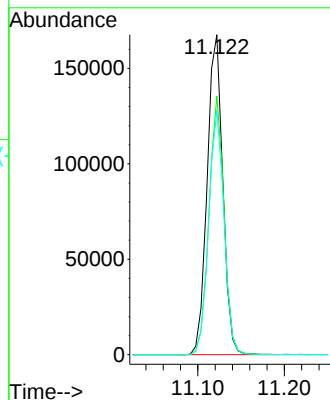
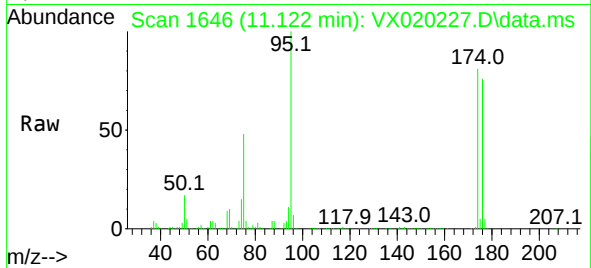




#62
4-Bromofluorobenzene
Concen: 46.07 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

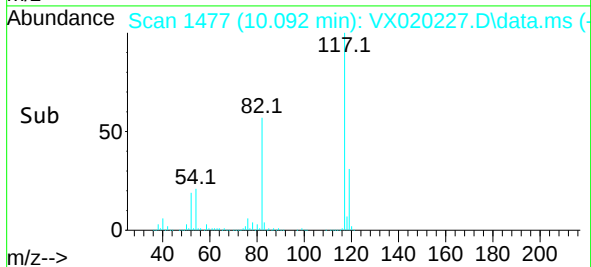
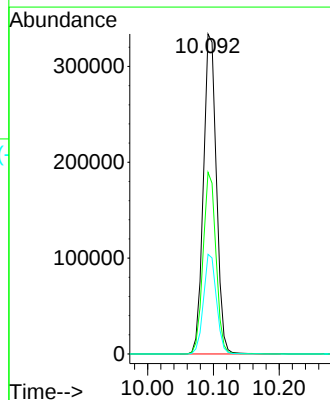
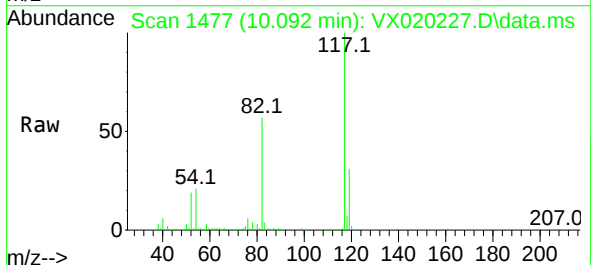
Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420

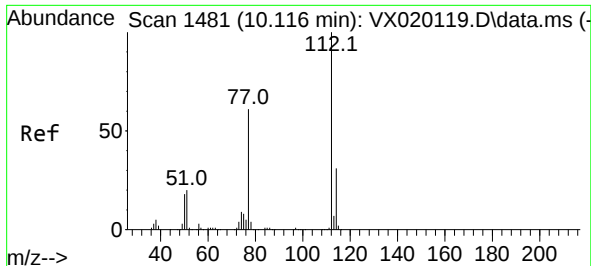
Tgt Ion: 95 Resp: 209832
Ion Ratio Lower Upper
95 100
174 78.5 0.0 154.6
176 74.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Tgt Ion: 117 Resp: 458816
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.2 26.6 39.8

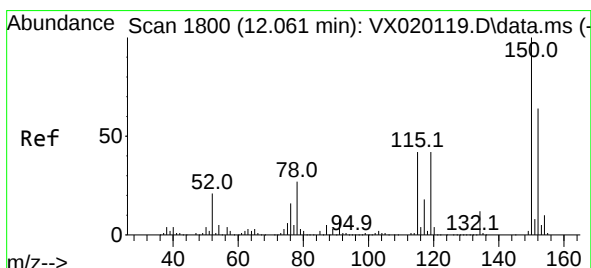
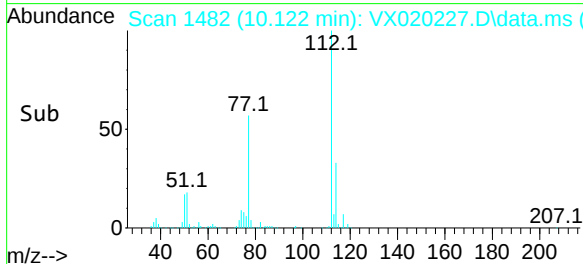
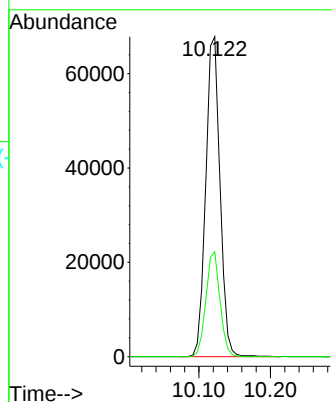
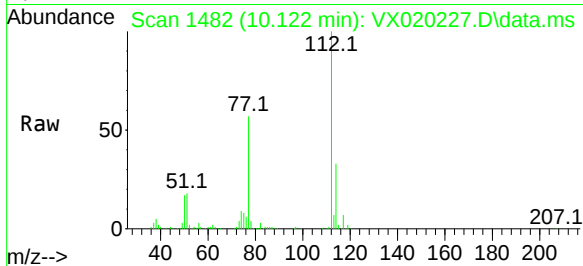




#65
Chlorobenzene
Concen: 9.55 ug/l
RT: 10.122 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

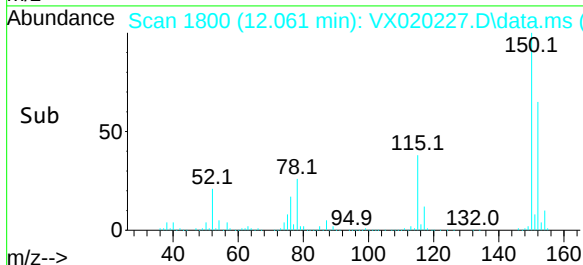
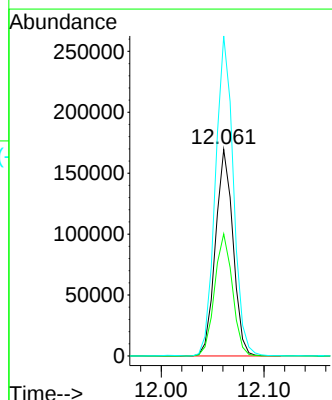
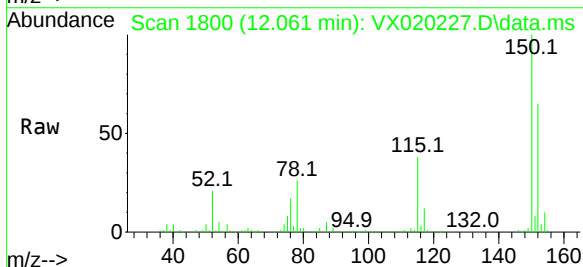
Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420

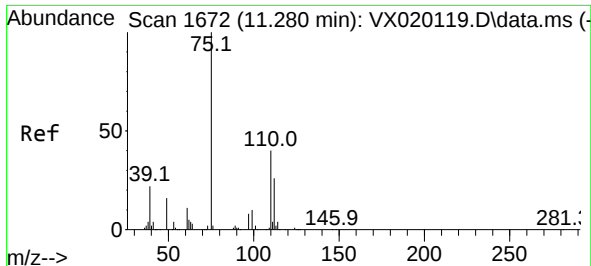
Tgt Ion:112 Resp: 93997
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Tgt Ion:152 Resp: 200496
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 158.5 0.0 349.0

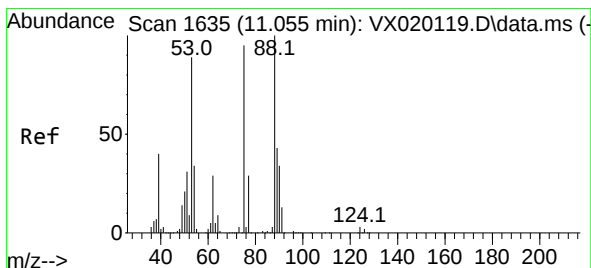
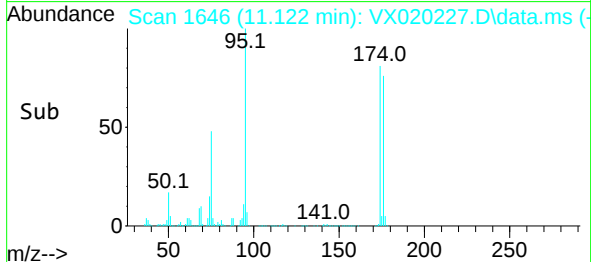
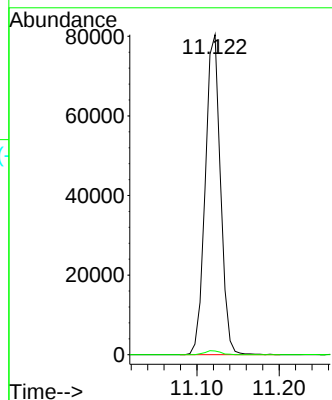
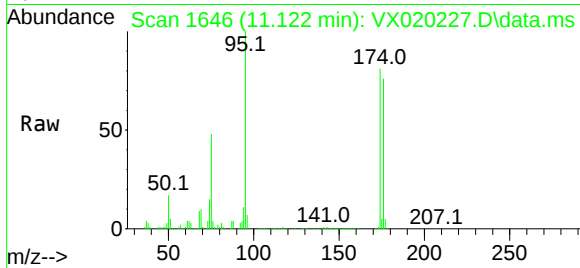




#76
1,2,3-Trichloropropane
Concen: 20.87 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

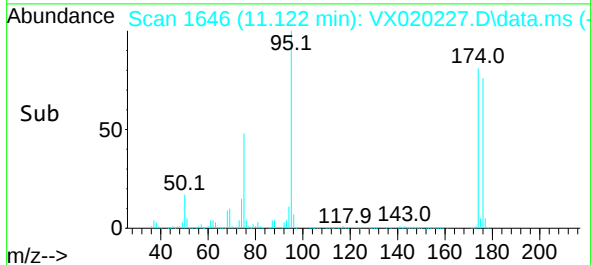
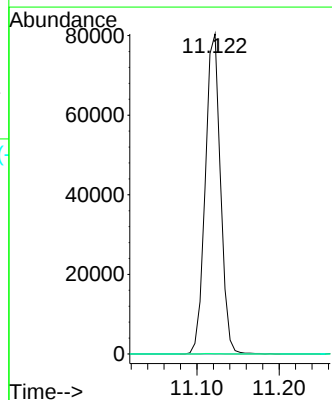
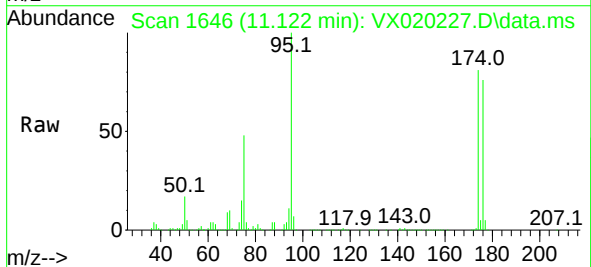
Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420

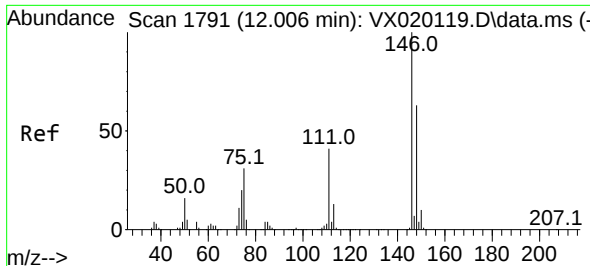
Tgt Ion: 75 Resp: 103069
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.92 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

Tgt Ion: 75 Resp: 103069
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

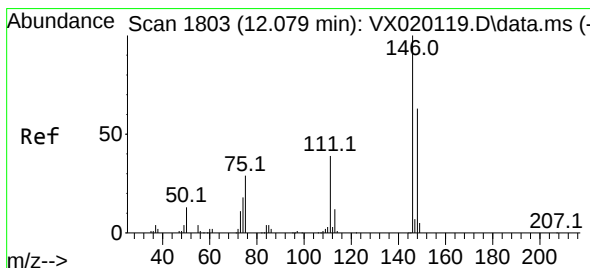
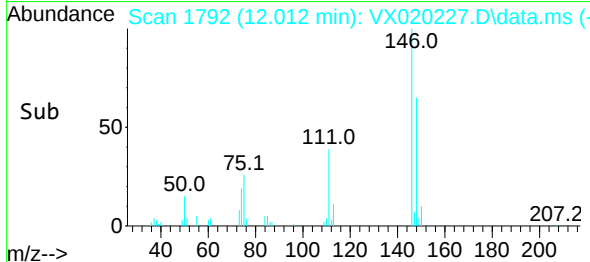
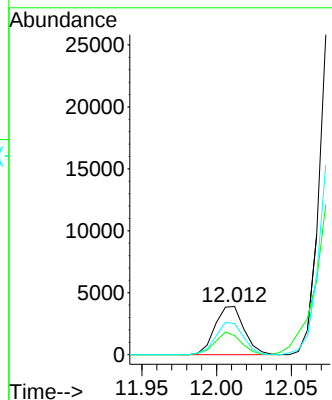
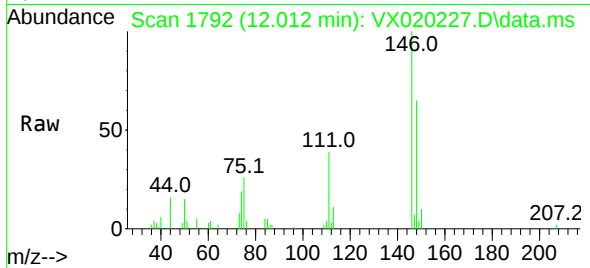




#87
1,3-Dichlorobenzene
Concen: 0.77 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

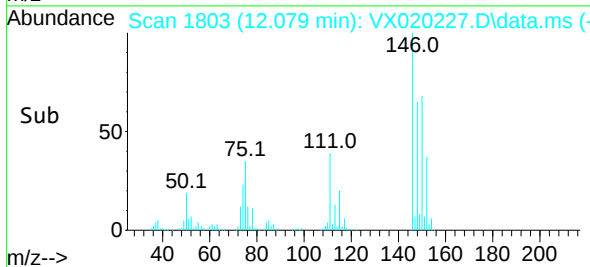
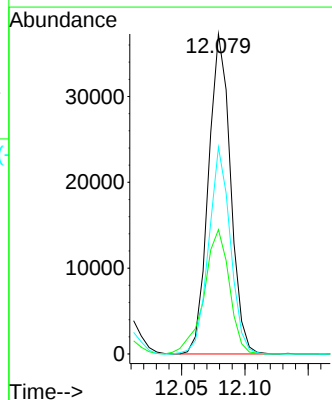
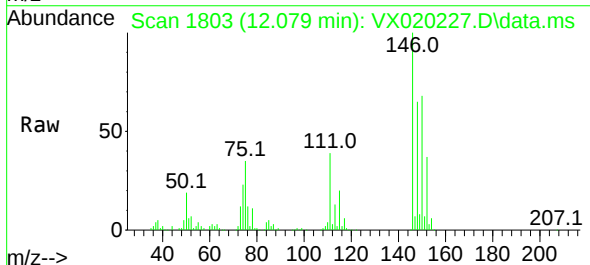
Instrument :
MSVOA_X
ClientSampleId :
39-MW106-121420

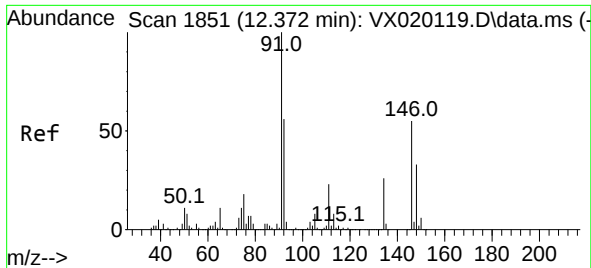
Tgt Ion:146 Resp: 5256
Ion Ratio Lower Upper
146 100
111 42.6 20.2 60.5
148 63.8 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: 6.34 ug/l
RT: 12.079 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VX020227.D
Acq: 20 Dec 2020 14:27

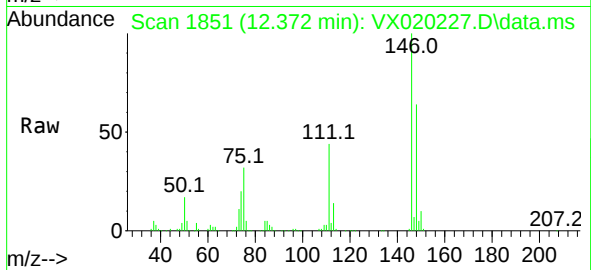
Tgt Ion:146 Resp: 45258
Ion Ratio Lower Upper
146 100
111 44.5 19.6 58.8
148 63.4 31.6 95.0





#91
 1,2-Dichlorobenzene
 Concen: 10.19 ug/l
 RT: 12.372 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: VX020227.D
 Acq: 20 Dec 2020 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 39-MW106-121420



Tgt Ion:	146	Resp:	69341
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	63.7	31.9	95.5

