

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030421\
 Data File : VX020982.D
 Acq On : 02 Mar 2021 22:10
 Operator : JC/MD
 Sample : M1536-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Mar 03 01:20:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

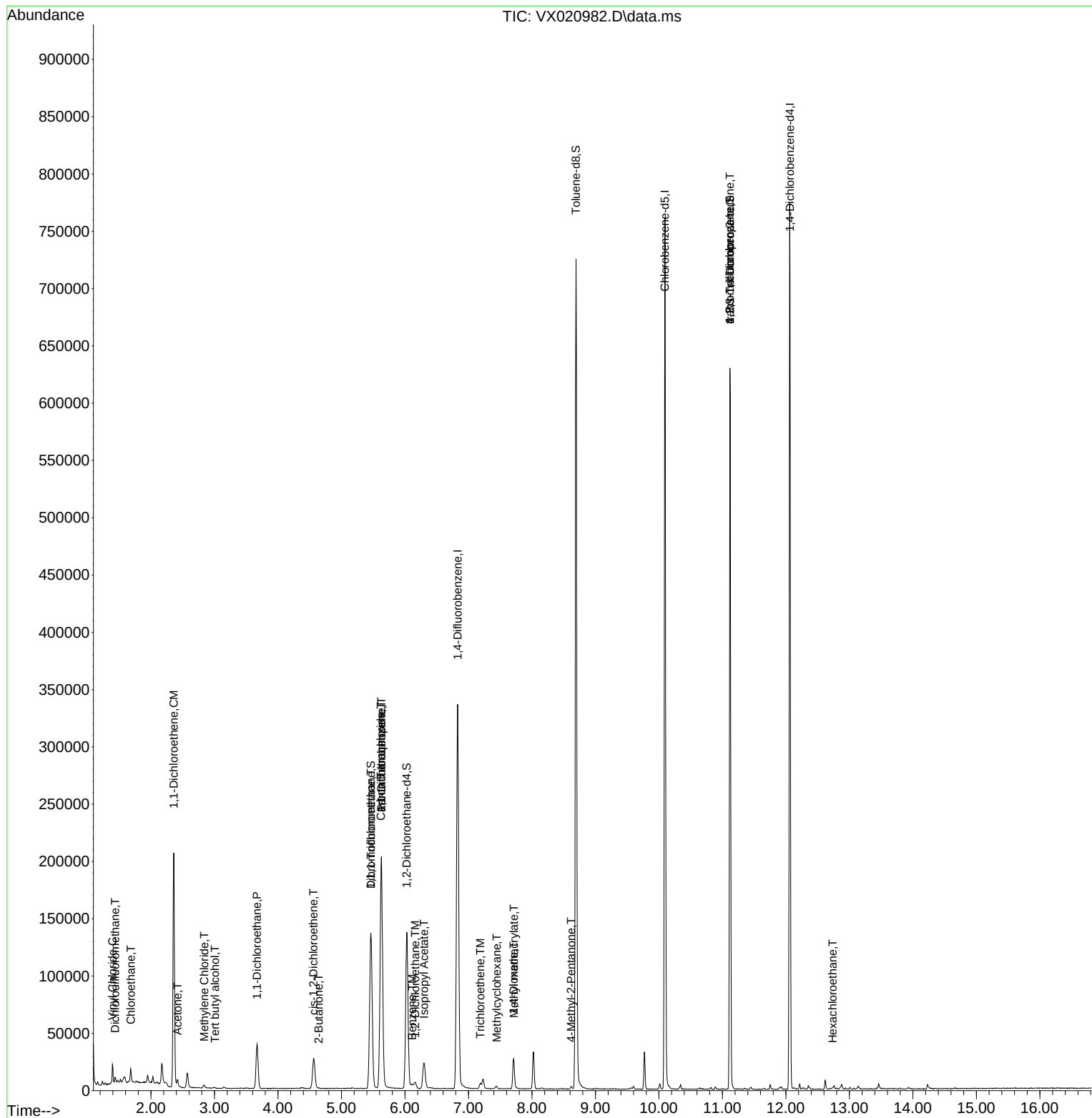
Internal Standards						
1) Pentafluorobenzene	5.629	168	192522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	359226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	355850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	164557	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	127857	49.17	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.34%		
35) Dibromofluoromethane	5.464	113	111489	51.08	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.16%		
50) Toluene-d8	8.694	98	450813	52.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.94%		
62) 4-Bromofluorobenzene	11.118	95	173645	55.18	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.36%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.434	85	892	0.43	ug/l	98
4) Vinyl Chloride	1.393	62	9762	3.67	ug/l	95
5) Bromomethane	1.634	94	255	Below Cal		89
6) Chloroethane	1.681	64	449	0.27	ug/l #	59
11) Tert butyl alcohol	3.005	59	657	1.13	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	71255	33.07	ug/l	97
16) Acetone	2.417	43	7119	6.64	ug/l	97
20) Methylene Chloride	2.840	84	926	0.36	ug/l	94
24) 1,1-Dichloroethane	3.670	63	43503	10.43	ug/l	96
25) 2-Butanone	4.641	43	390	0.24	ug/l #	45
27) cis-1,2-Dichloroethene	4.558	96	17317	6.21	ug/l	90
32) 1,1,1-Trichloroethane	5.464	97	8596	2.35	ug/l	98
36) 1,1-Dichloropropene	5.629	75	15066	4.41	ug/l #	48
38) Carbon Tetrachloride	5.623	117	18579	5.62	ug/l #	17
39) Methylcyclohexane	7.447	83	983	0.23	ug/l #	90
40) Benzene	6.111	78	3948	0.39	ug/l	97
42) 1,2-Dichloroethane	6.164	62	5939	1.75	ug/l	98
43) Isopropyl Acetate	6.300	43	6029	1.09	ug/l #	57
44) Trichloroethene	7.188	130	1660	0.62	ug/l	95
48) Methyl methacrylate	7.717	41	561	0.20	ug/l #	27
49) 1,4-Dioxane	7.712	88	20940	323.65	ug/l	95
51) 4-Methyl-2-Pentanone	8.618	43	1342	0.42	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	82807	23.39	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.118	75	82807	51.79	ug/l #	17
90) Hexachloroethane	12.736	117	625	0.29	ug/l #	9

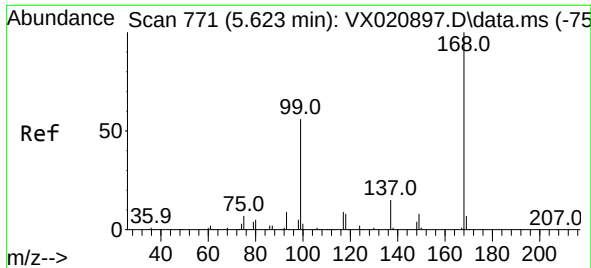
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
MW-2

Quant Time: Mar 03 01:20:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

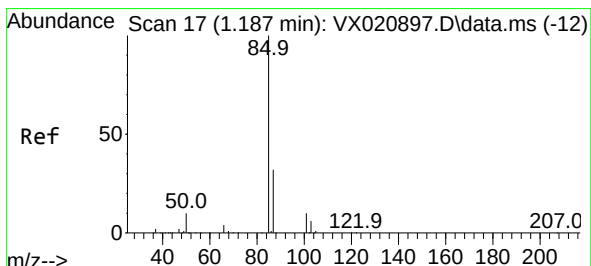
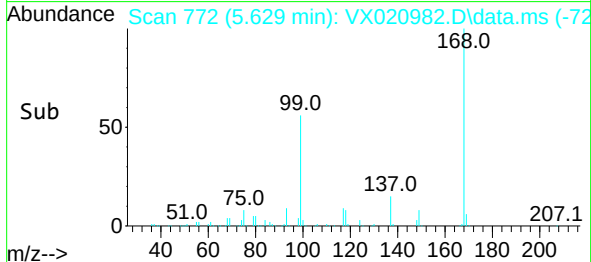
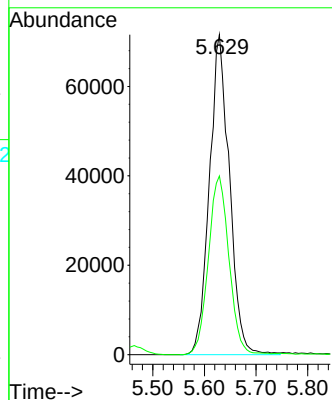
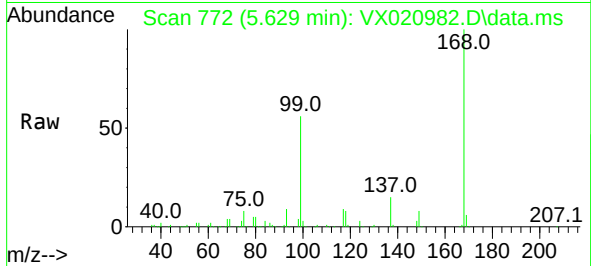




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

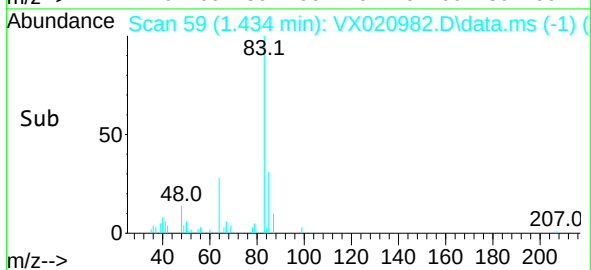
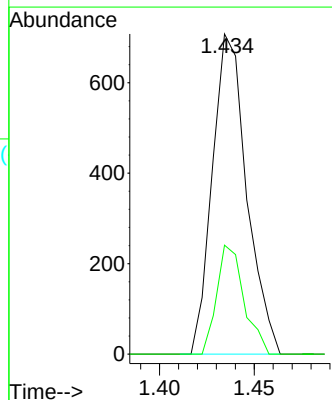
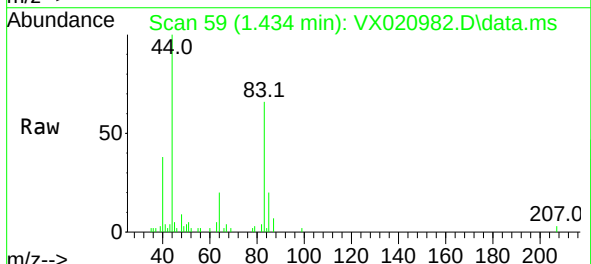
Instrument :
MSVOA_X
ClientSampleId :
MW-2

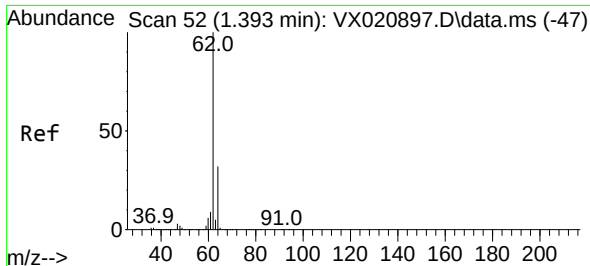
Tgt Ion:168 Resp: 192522
Ion Ratio Lower Upper
168 100
99 55.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.43 ug/l
RT: 1.434 min Scan# 59
Delta R.T. 0.247 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion: 85 Resp: 892
Ion Ratio Lower Upper
85 100
87 34.0 16.4 49.2

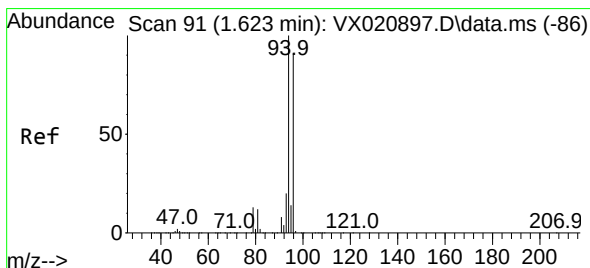
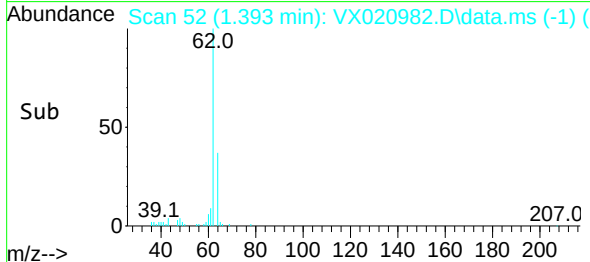
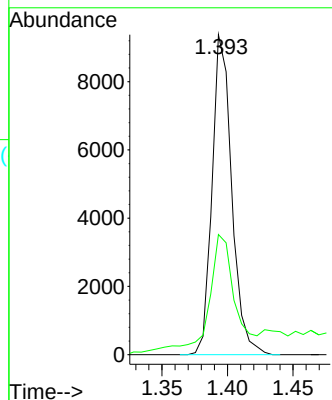
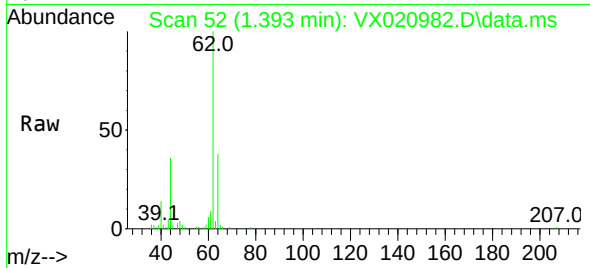




#4
 Vinyl Chloride
 Concen: 3.67 ug/l
 RT: 1.393 min Scan# 52
 Delta R.T. -0.000 min
 Lab File: VX020982.D
 Acq: 02 Mar 2021 22:10

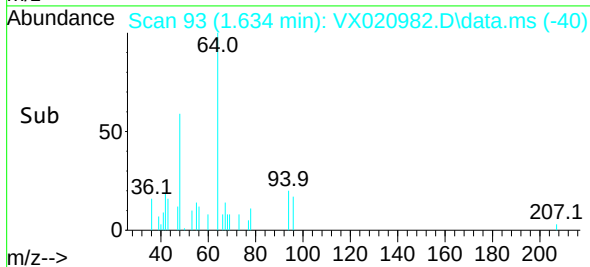
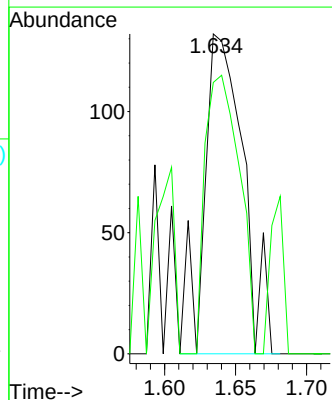
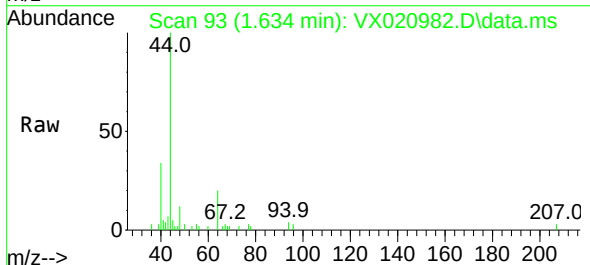
Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

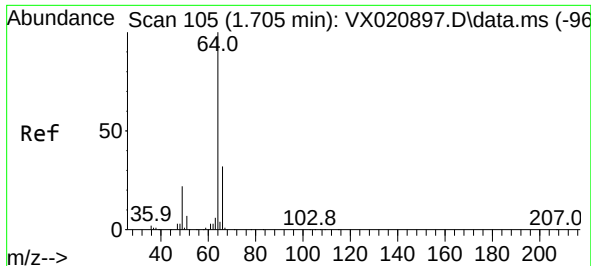
Tgt Ion: 62 Resp: 9762
 Ion Ratio Lower Upper
 62 100
 64 34.8 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.634 min Scan# 93
 Delta R.T. 0.011 min
 Lab File: VX020982.D
 Acq: 02 Mar 2021 22:10

Tgt Ion: 94 Resp: 255
 Ion Ratio Lower Upper
 94 100
 96 84.8 76.4 114.6

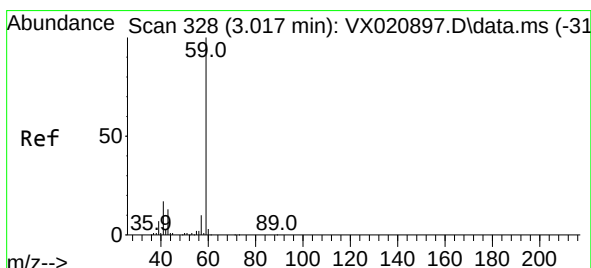
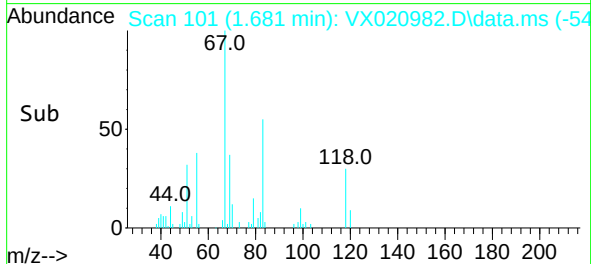
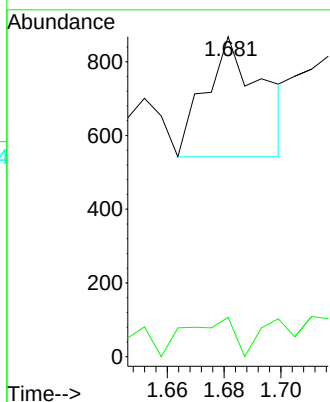
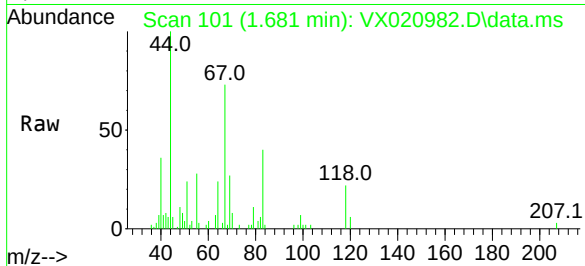




#6
Chloroethane
Concen: 0.27 ug/l
RT: 1.681 min Scan# 101
Delta R.T. -0.024 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

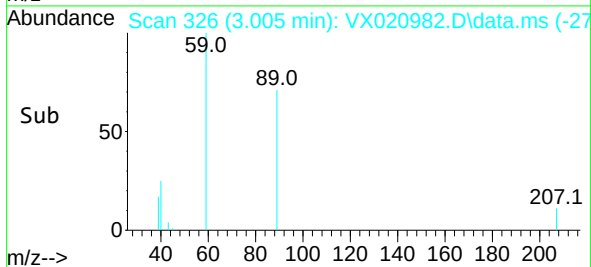
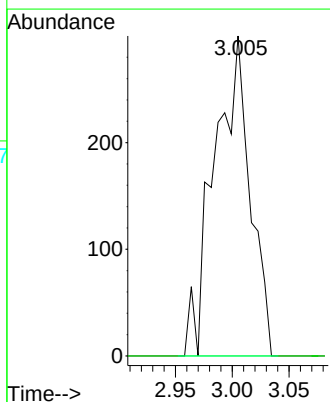
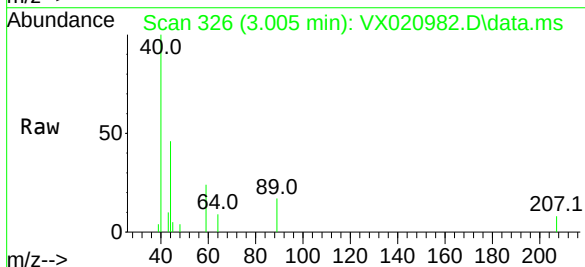
Instrument :
MSVOA_X
ClientSampled :
MW-2

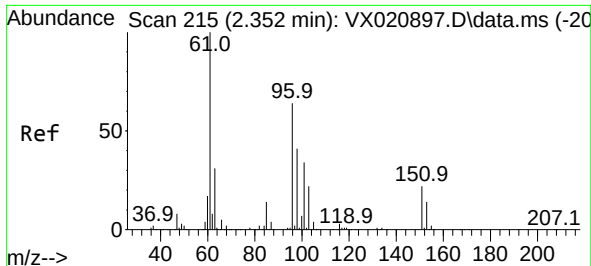
Tgt Ion: 64 Resp: 449
Ion Ratio Lower Upper
64 100
66 8.9 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.13 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.012 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

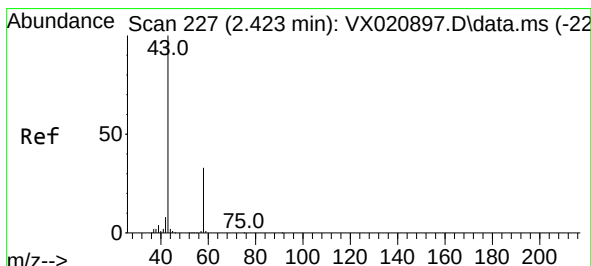
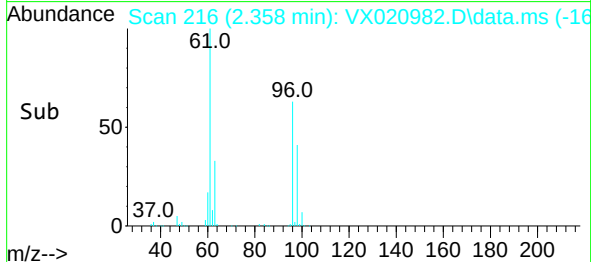
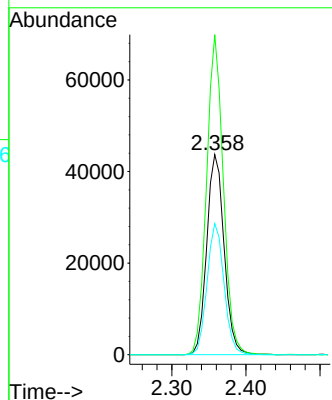
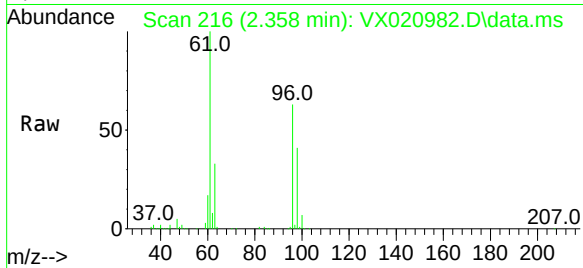




#12
1,1-Dichloroethene
Concen: 33.07 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

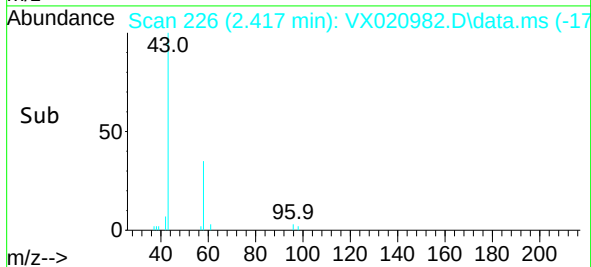
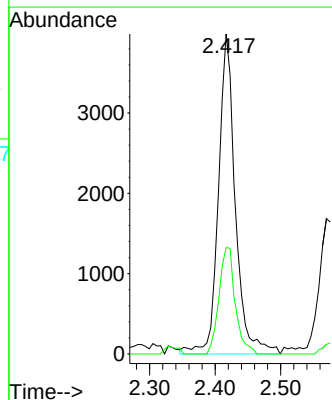
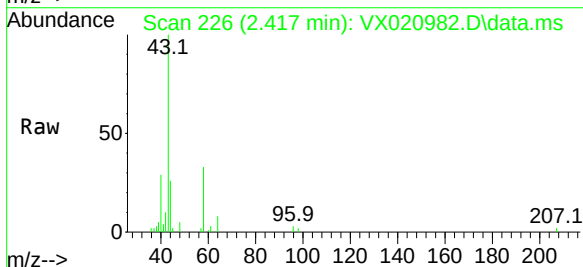
Instrument :
MSVOA_X
ClientSampled :
MW-2

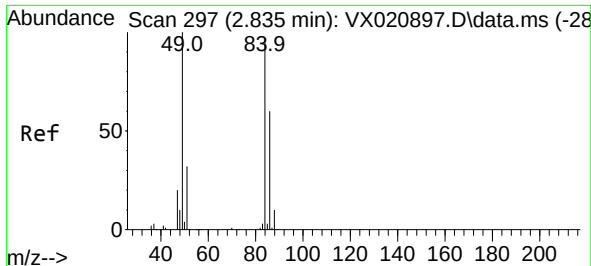
Tgt Ion: 96 Resp: 71255
Ion Ratio Lower Upper
96 100
61 159.8 124.6 187.0
98 65.5 50.6 76.0



#16
Acetone
Concen: 6.64 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

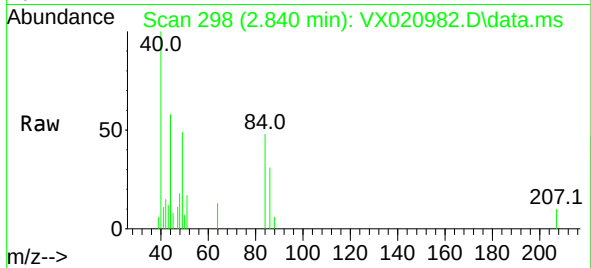
Tgt Ion: 43 Resp: 7119
Ion Ratio Lower Upper
43 100
58 33.2 27.8 41.8



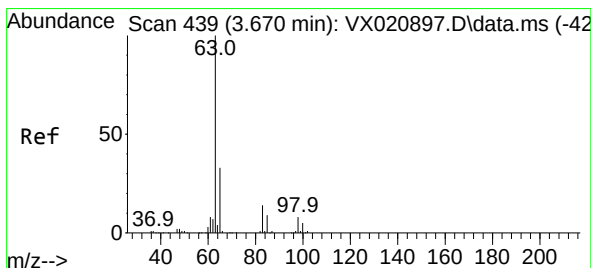
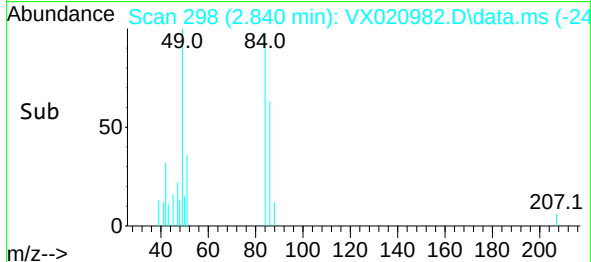
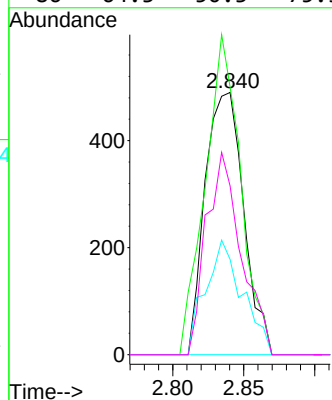


#20
Methylene Chloride
Concen: 0.36 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Instrument :
MSVOA_X
ClientSampled :
MW-2

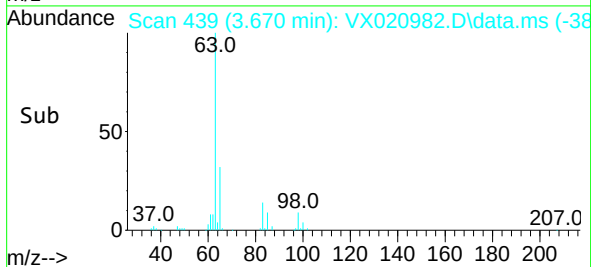
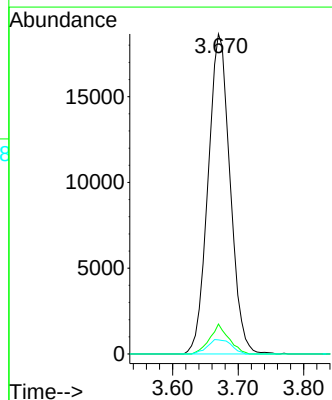
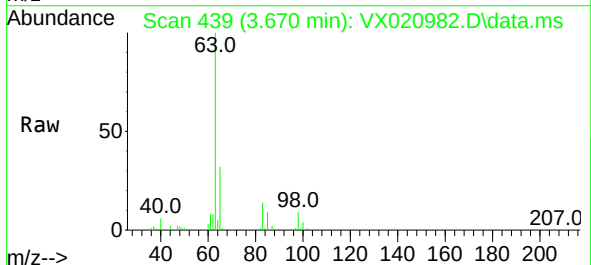


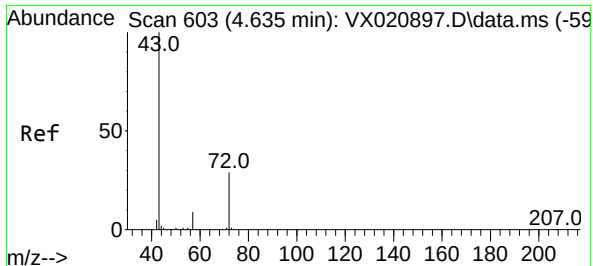
Tgt Ion:	84	Resp:	926
Ion	Ratio	Lower	Upper
84	100		
49	102.0	88.6	132.8
51	36.3	27.0	40.6
86	64.3	50.3	75.5



#24
1,1-Dichloroethane
Concen: 10.43 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion:	63	Resp:	43503
Ion	Ratio	Lower	Upper
63	100		
98	9.3	3.8	11.2
100	4.4	2.5	7.5

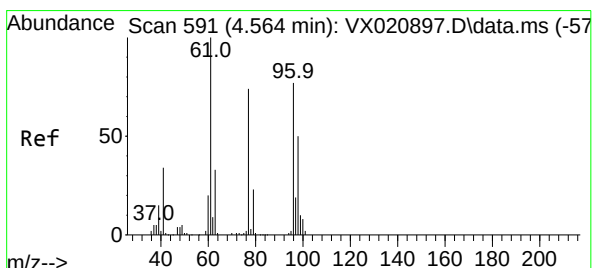
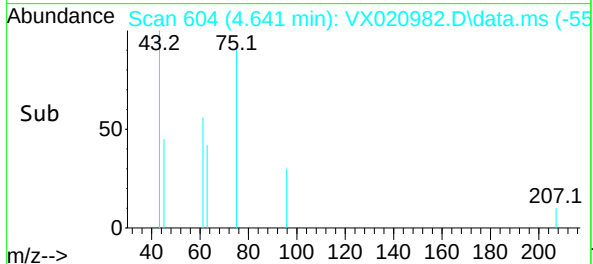
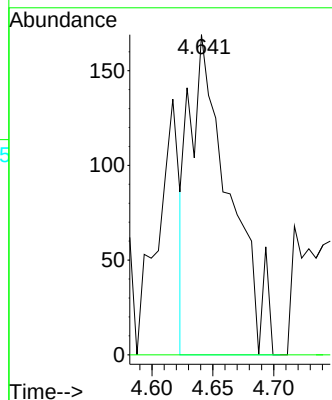
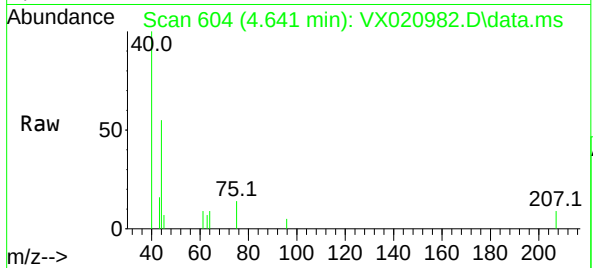




#25
2-Butanone
Concen: 0.24 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

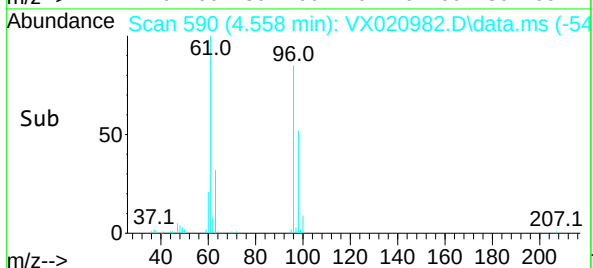
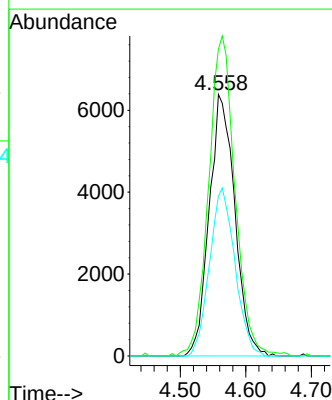
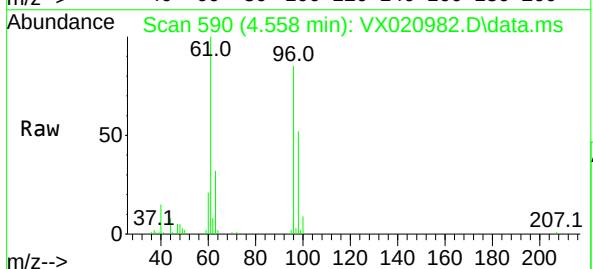
Instrument :
MSVOA_X
ClientSampled :
MW-2

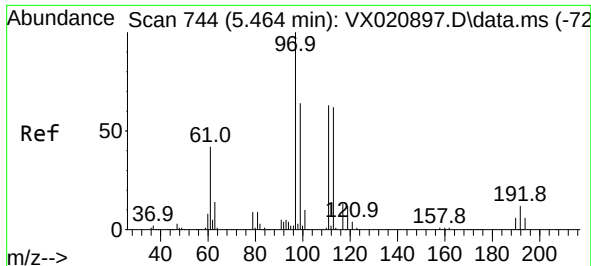
Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 6.21 ug/l
RT: 4.558 min Scan# 590
Delta R.T. -0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

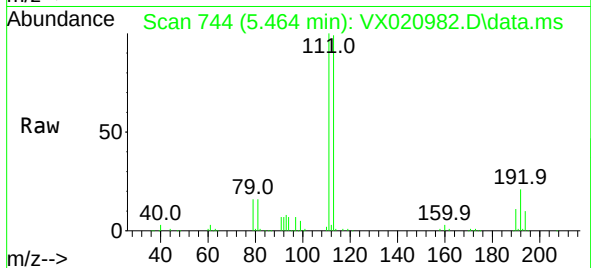
Tgt Ion: 96 Resp: 17317
Ion Ratio Lower Upper
96 100
61 126.3 0.0 285.6
98 63.9 0.0 129.6



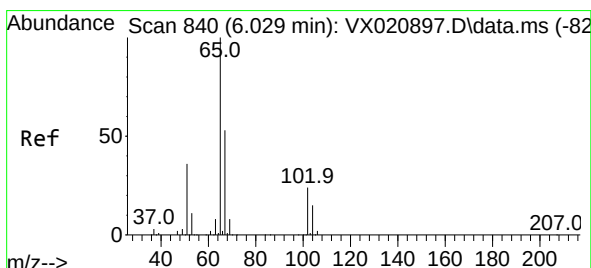
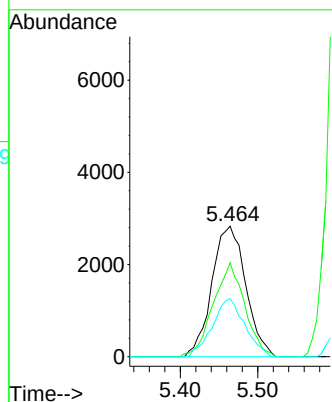
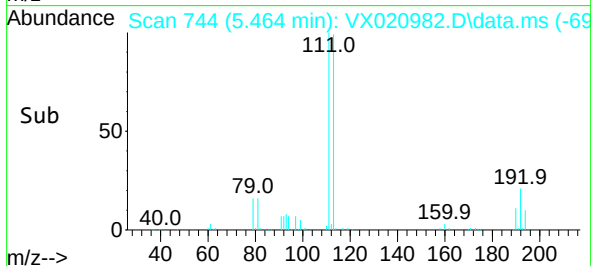


#32
1,1,1-Trichloroethane
Concen: 2.35 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

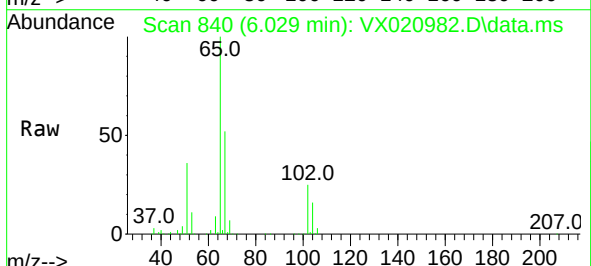
Instrument :
MSVOA_X
ClientSampled :
MW-2



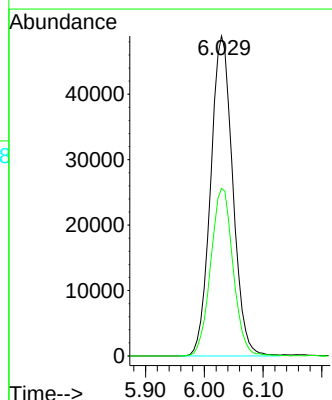
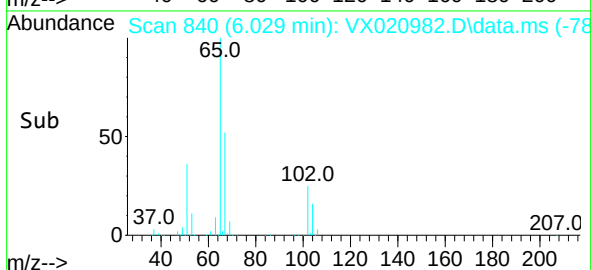
Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.5	77.3
61	42.5	34.2	51.4

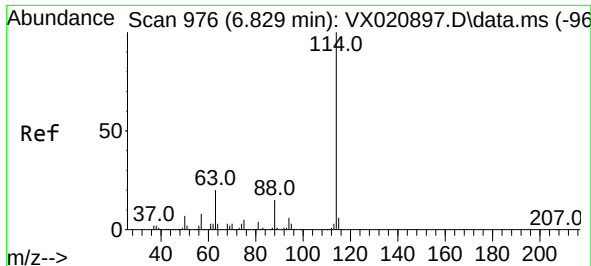


#33
1,2-Dichloroethane-d4
Concen: 49.17 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10



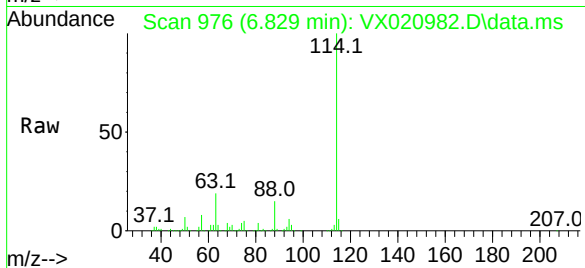
Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.4



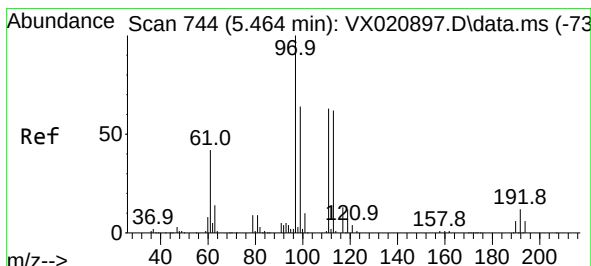
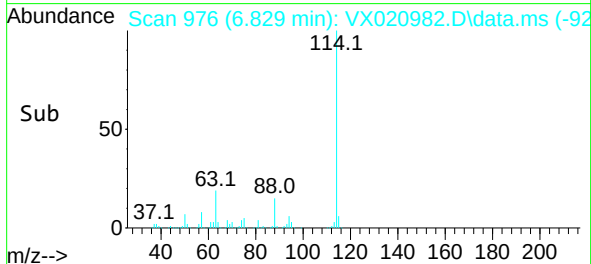
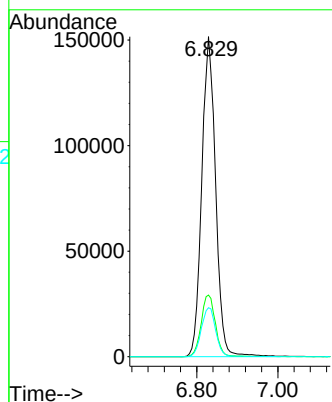


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Instrument :
MSVOA_X
ClientSampleId :
MW-2

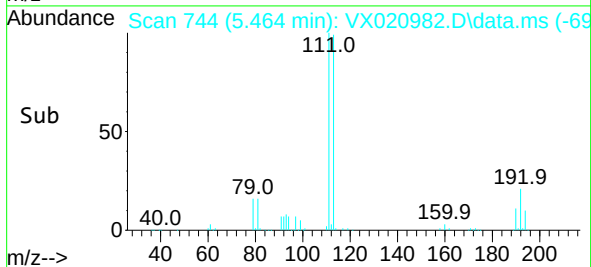
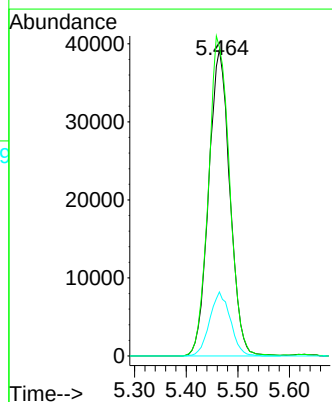
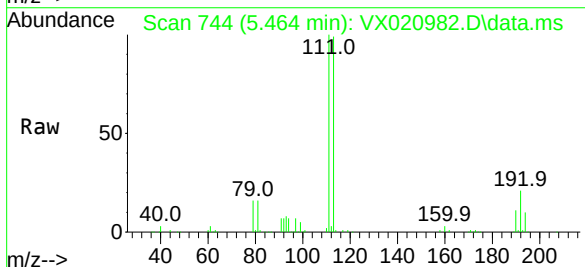


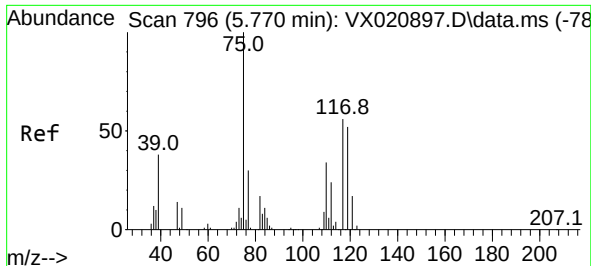
Tgt Ion:114 Resp: 359226
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.08 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

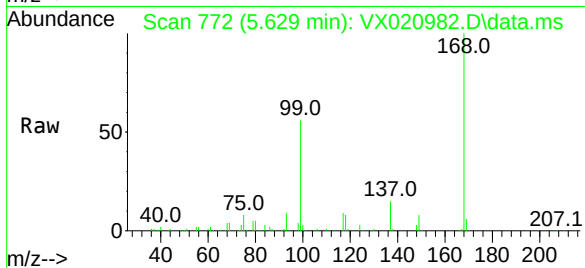
Tgt Ion:113 Resp: 111489
Ion Ratio Lower Upper
113 100
111 104.3 81.9 122.9
192 20.5 16.7 25.1



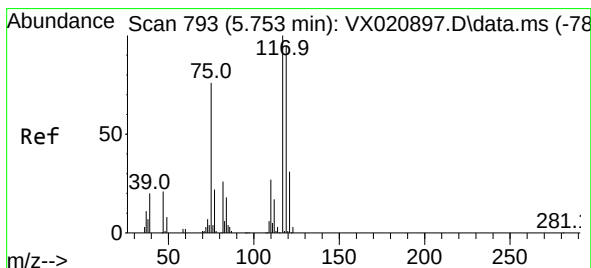
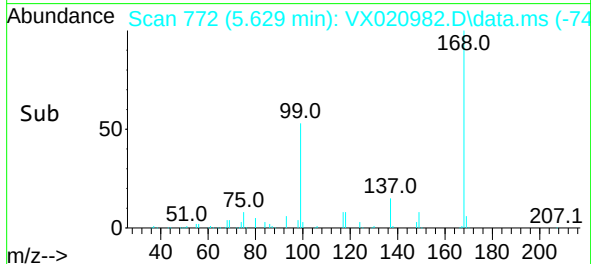
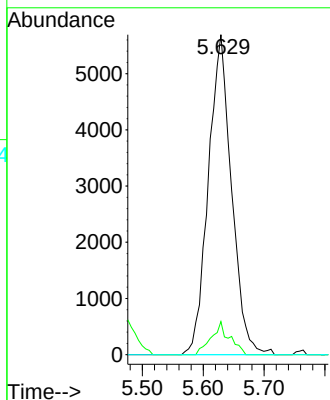


#36
1,1-Dichloropropene
Concen: 4.41 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Instrument :
MSVOA_X
ClientSampled :
MW-2

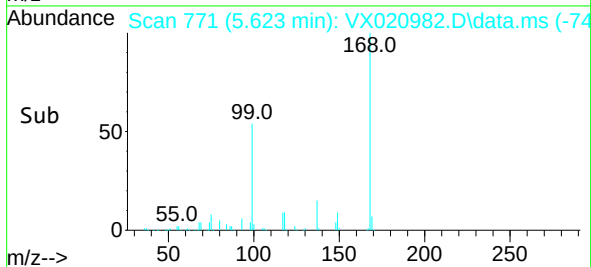
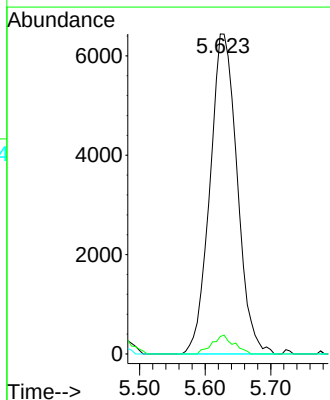
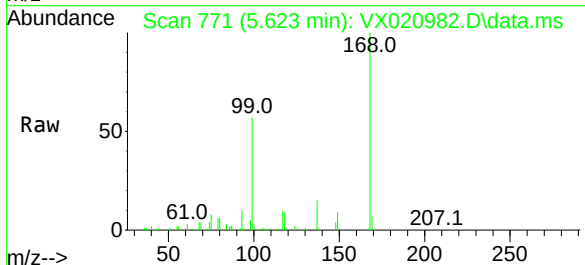


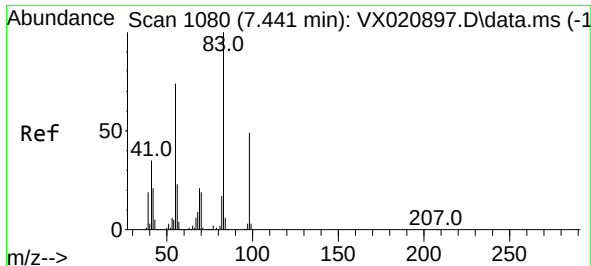
Tgt Ion: 75 Resp: 15066
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.62 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.130 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion: 117 Resp: 18579
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.23 ug/l

RT: 7.447 min Scan# 1081

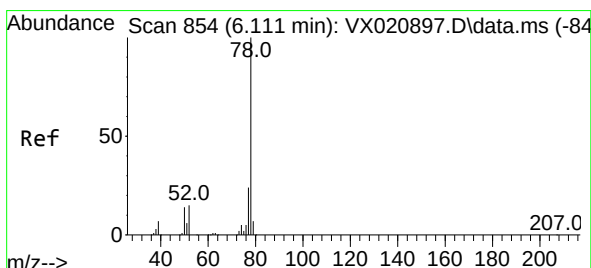
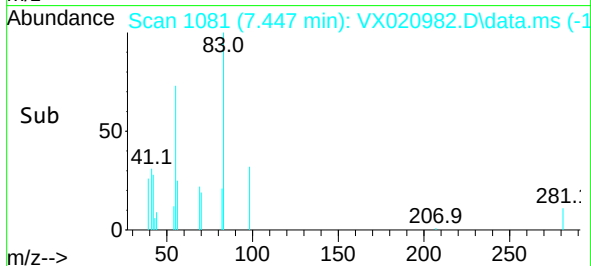
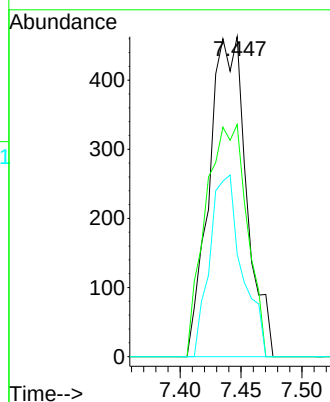
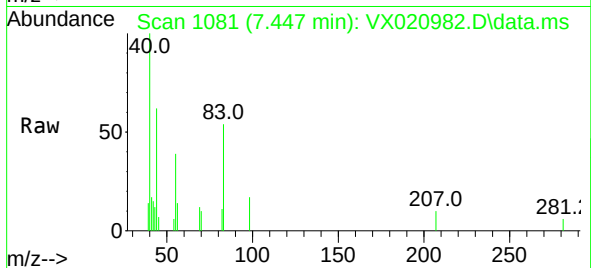
Delta R.T. 0.006 min

Lab File: VX020982.D

Acq: 02 Mar 2021 22:10

Tgt Ion:	83	Resp:	983
Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.9	88.3
98	32.0	38.1	57.1#

Instrument :
MSVOA_X
ClientSampled :
MW-2



#40

Benzene

Concen: 0.39 ug/l

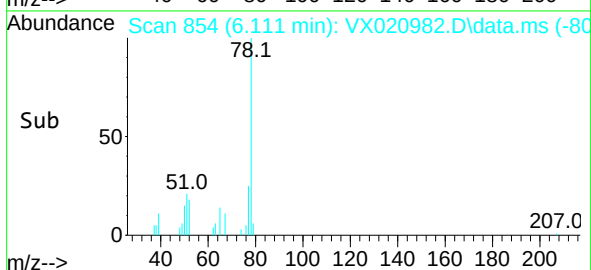
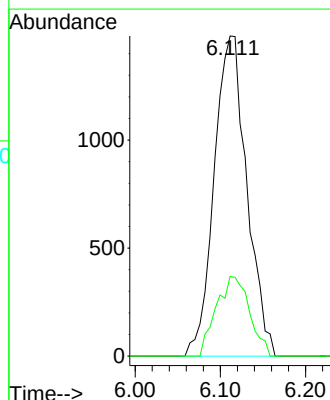
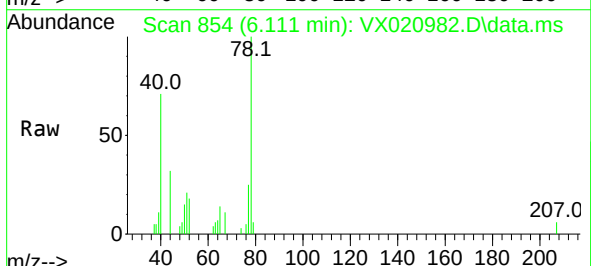
RT: 6.111 min Scan# 854

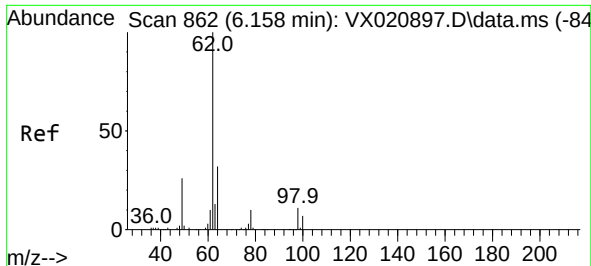
Delta R.T. -0.000 min

Lab File: VX020982.D

Acq: 02 Mar 2021 22:10

Tgt Ion:	78	Resp:	3948
Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.9	28.3

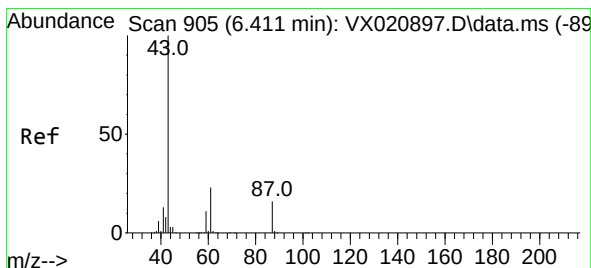
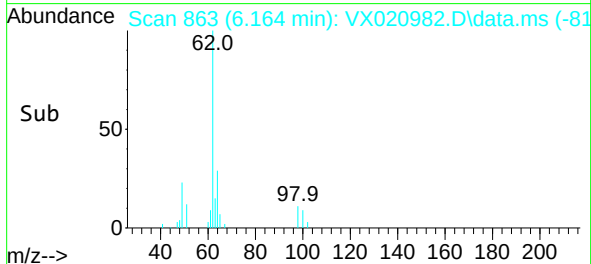
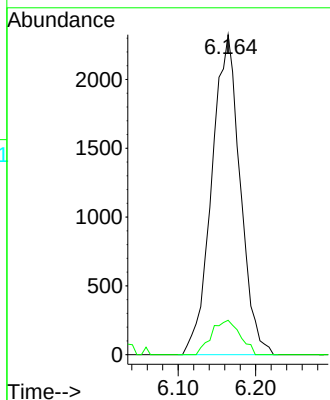
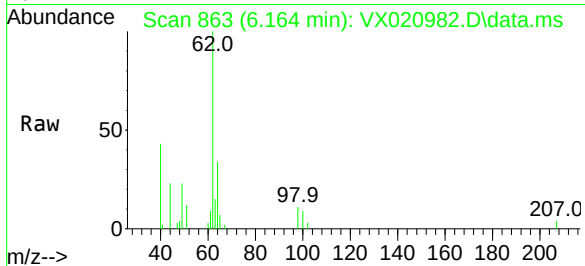




#42
1,2-Dichloroethane
Concen: 1.75 ug/l
RT: 6.164 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

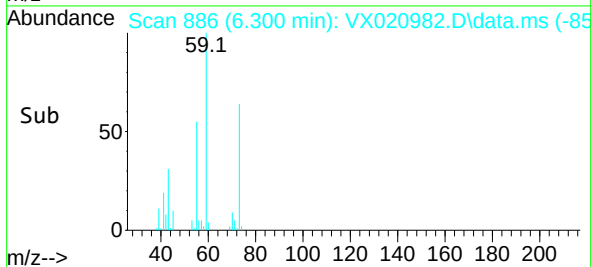
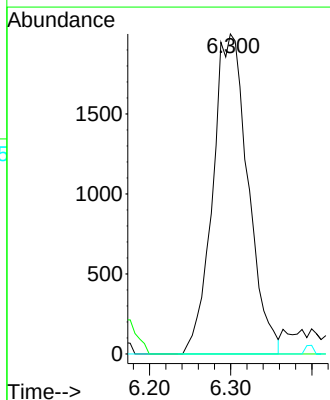
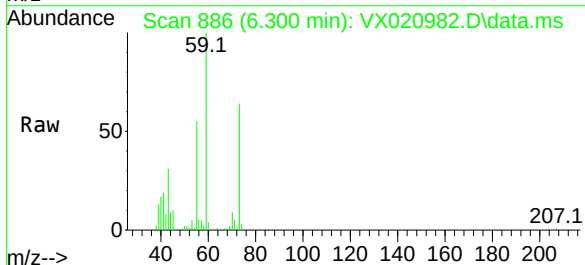
Instrument :
MSVOA_X
ClientSampled :
MW-2

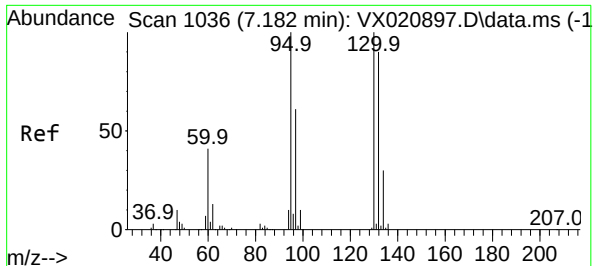
Tgt Ion: 62 Resp: 5939
Ion Ratio Lower Upper
62 100
98 10.8 0.0 20.2



#43
Isopropyl Acetate
Concen: 1.09 ug/l
RT: 6.300 min Scan# 886
Delta R.T. -0.112 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion: 43 Resp: 6029
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 0.0 12.5 18.7#

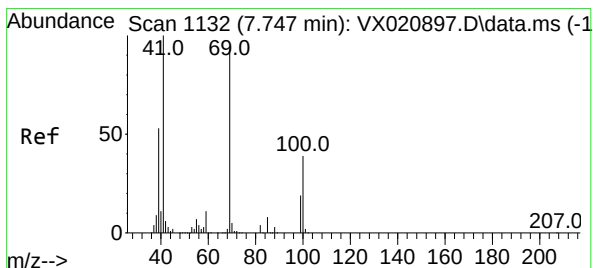
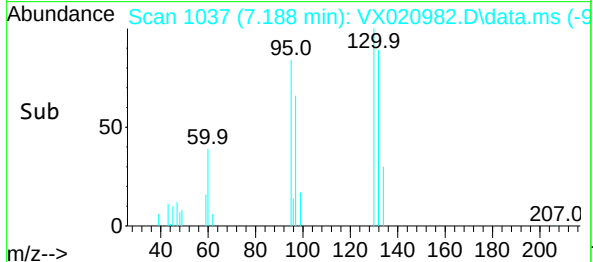
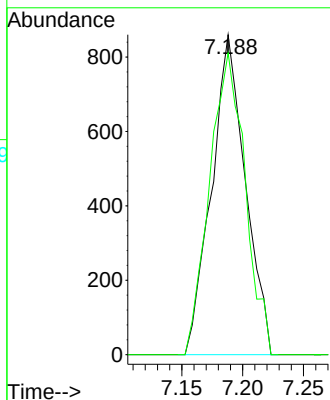
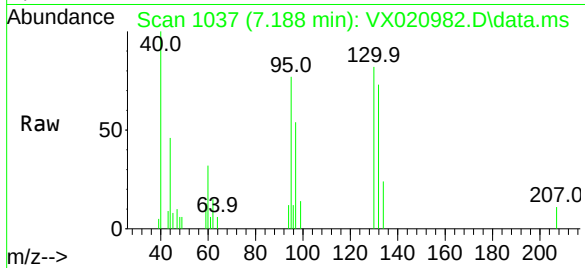




#44
Trichloroethene
Concen: 0.62 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

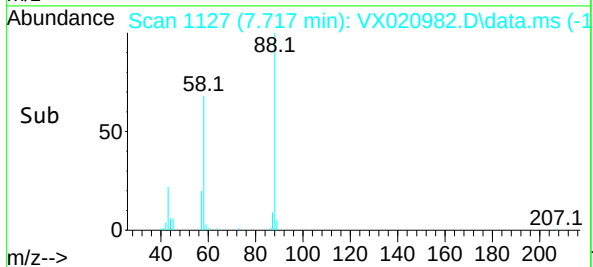
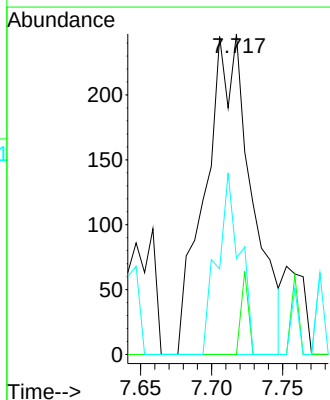
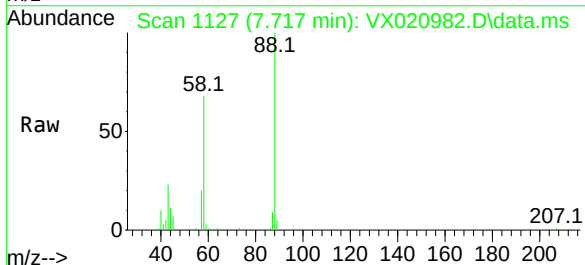
Instrument :
MSVOA_X
ClientSampled :
MW-2

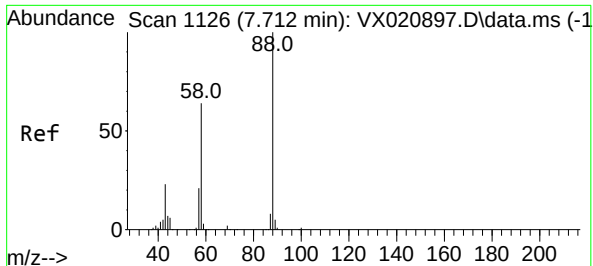
Tgt Ion:130 Resp: 1660
Ion Ratio Lower Upper
130 100
95 94.3 0.0 198.0



#48
Methyl methacrylate
Concen: 0.20 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. -0.030 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion: 41 Resp: 561
Ion Ratio Lower Upper
41 100
69 4.1 76.0 114.0#
39 27.5 44.6 67.0#

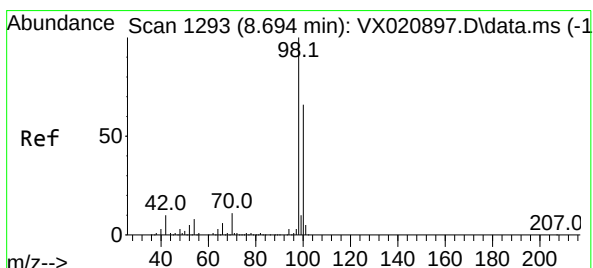
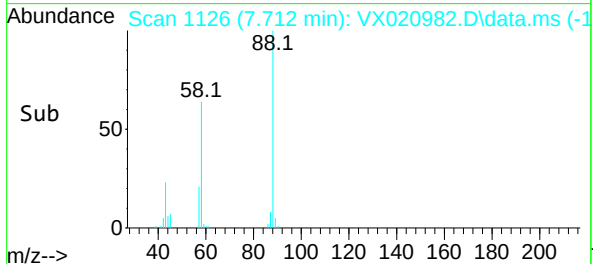
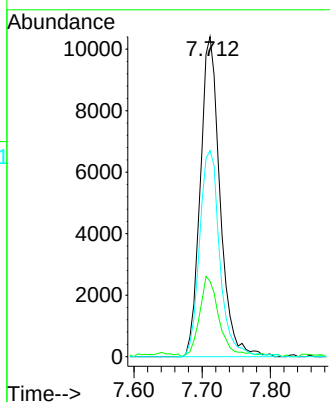
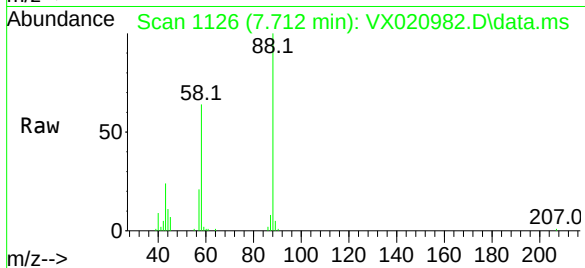




#49
1,4-Dioxane
Concen: 323.65 ug/l
RT: 7.712 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

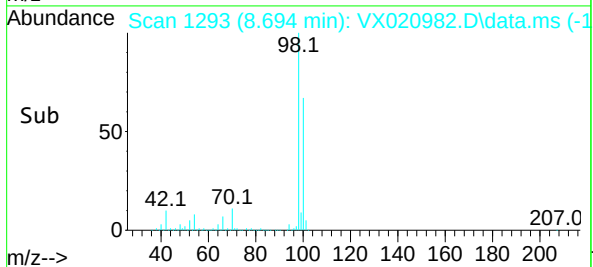
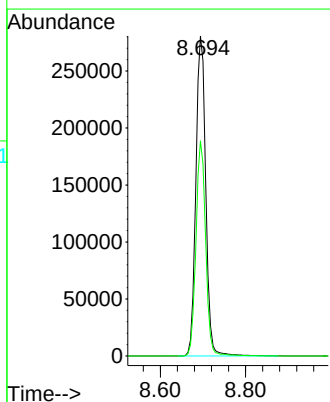
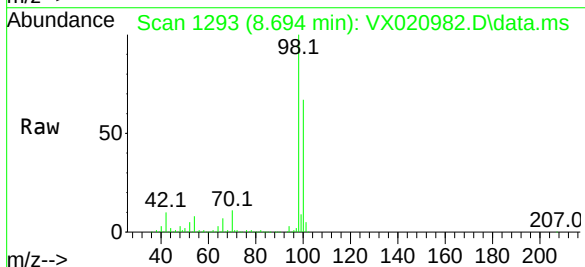
Instrument :
MSVOA_X
ClientSampled :
MW-2

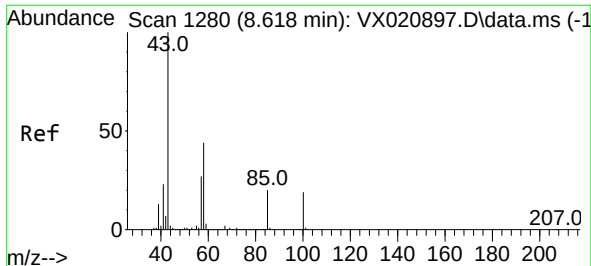
Tgt Ion: 88 Resp: 20940
Ion Ratio Lower Upper
88 100
43 24.9 23.2 34.8
58 66.1 55.0 82.4



#50
Toluene-d8
Concen: 52.97 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion: 98 Resp: 450813
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

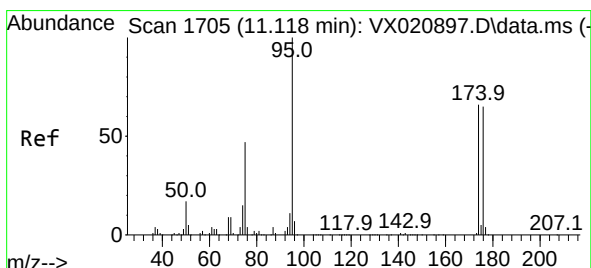
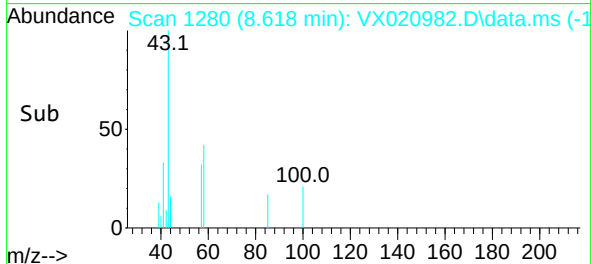
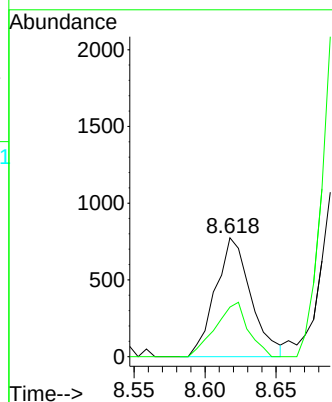
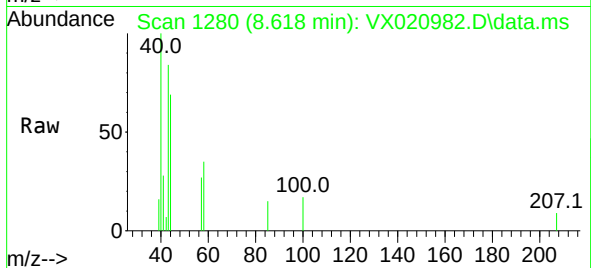




#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

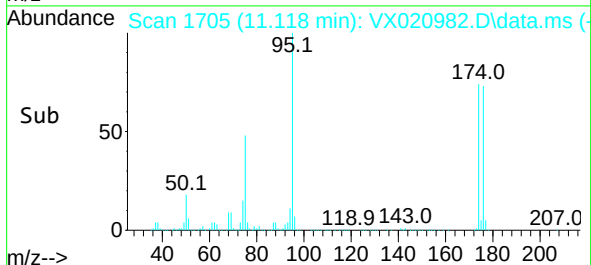
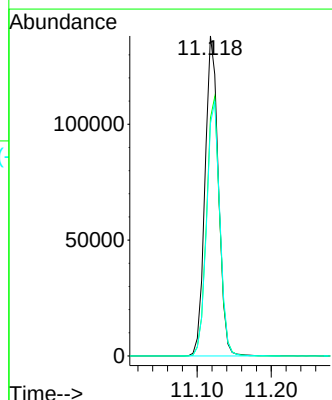
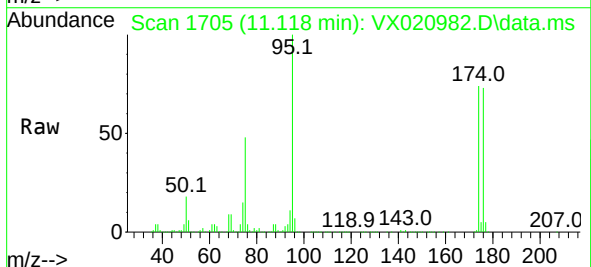
Instrument :
MSVOA_X
ClientSampled :
MW-2

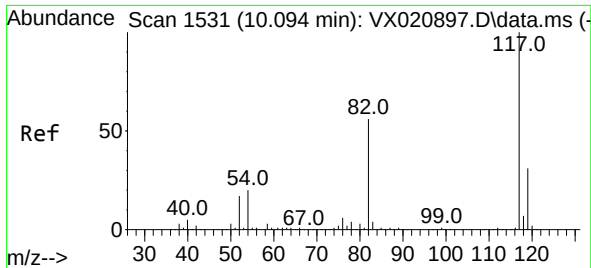
Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
58 42.2 35.4 53.0



#62
4-Bromofluorobenzene
Concen: 55.18 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion: 95 Resp: 173645
Ion Ratio Lower Upper
95 100
174 79.3 0.0 154.6
176 78.6 0.0 155.8

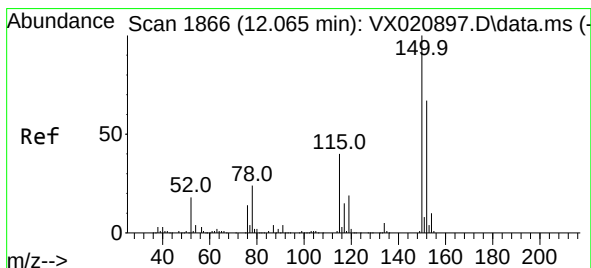
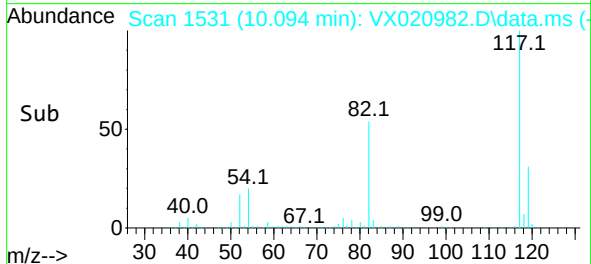
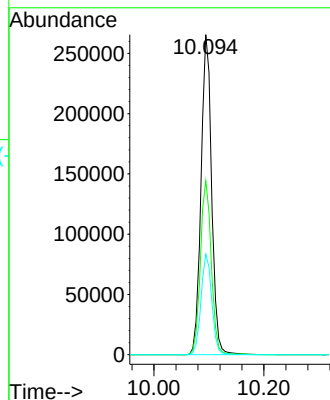
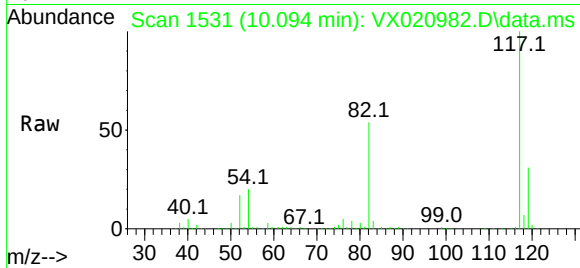




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

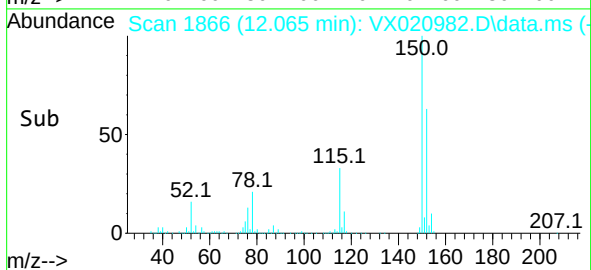
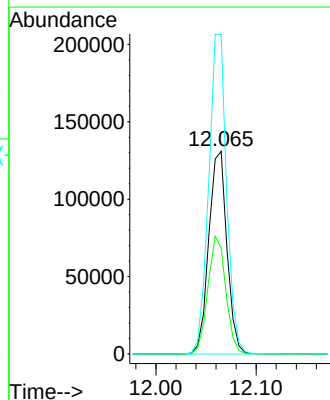
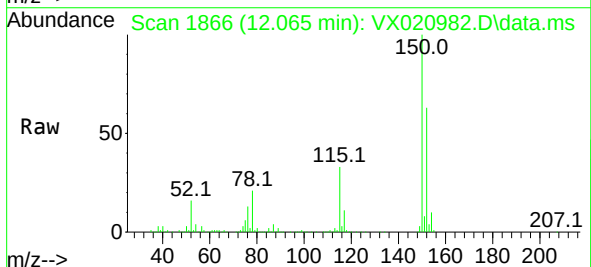
Instrument :
MSVOA_X
ClientSampled :
MW-2

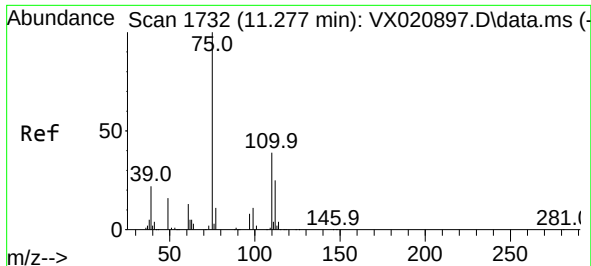
Tgt Ion:117 Resp: 355850
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

Tgt Ion:152 Resp: 164557
Ion Ratio Lower Upper
152 100
115 57.3 41.1 123.3
150 155.6 0.0 349.0

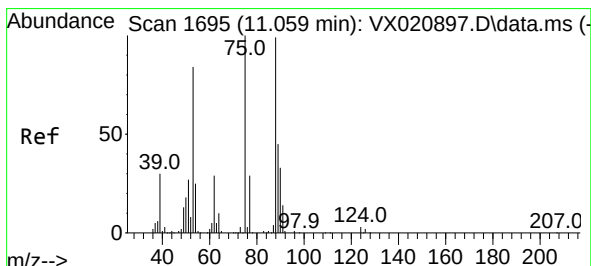
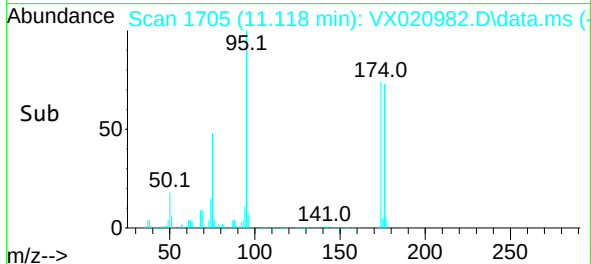
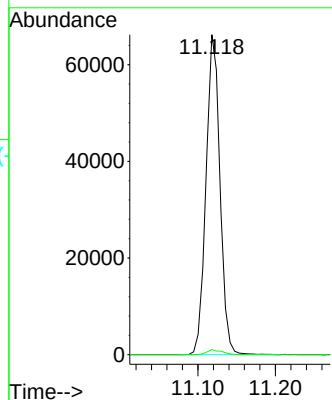
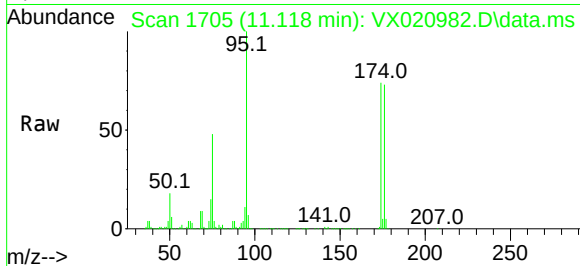




#76
1,2,3-Trichloropropane
Concen: 23.39 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

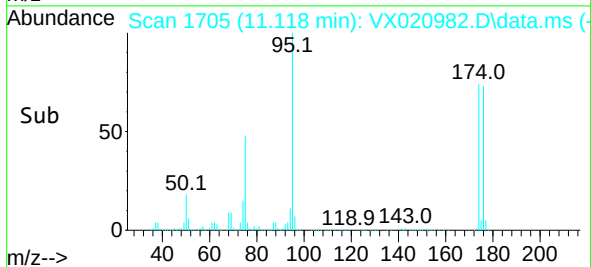
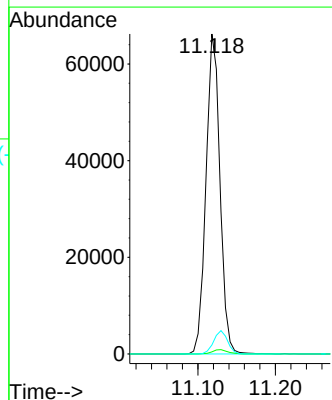
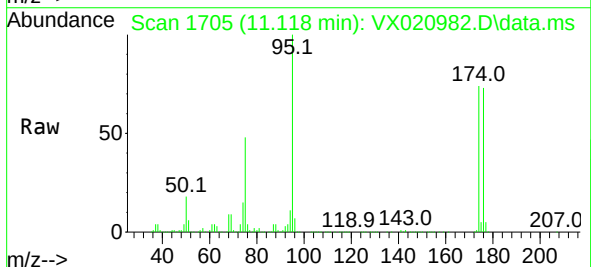
Instrument :
MSVOA_X
ClientSampled :
MW-2

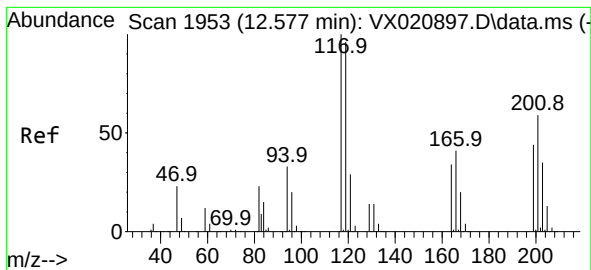
Tgt Ion: 75 Resp: 82807
Ion Ratio Lower Upper
75 100
77 1.7 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.79 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020982.D
Acq: 02 Mar 2021 22:10

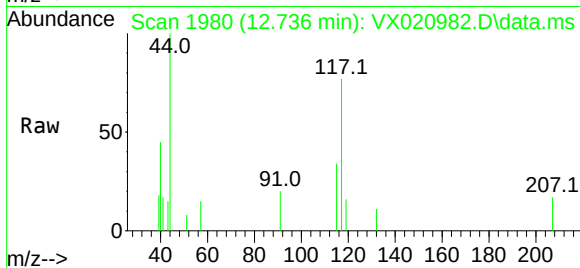
Tgt Ion: 75 Resp: 82807
Ion Ratio Lower Upper
75 100
53 1.5 74.5 111.7#
89 7.3 37.9 56.9#





#90
 Hexachloroethane
 Concen: 0.29 ug/l
 RT: 12.736 min Scan# 1980
 Delta R.T. 0.159 min
 Lab File: VX020982.D
 Acq: 02 Mar 2021 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2



Tgt Ion:117 Resp: 625
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.4 121.2#

