

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023202.D
 Acq On : 08 Jul 2021 16:16
 Operator : JC/MD
 Sample : M2953-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-1.5-6.5-070621

Quant Time: Jul 09 02:12:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

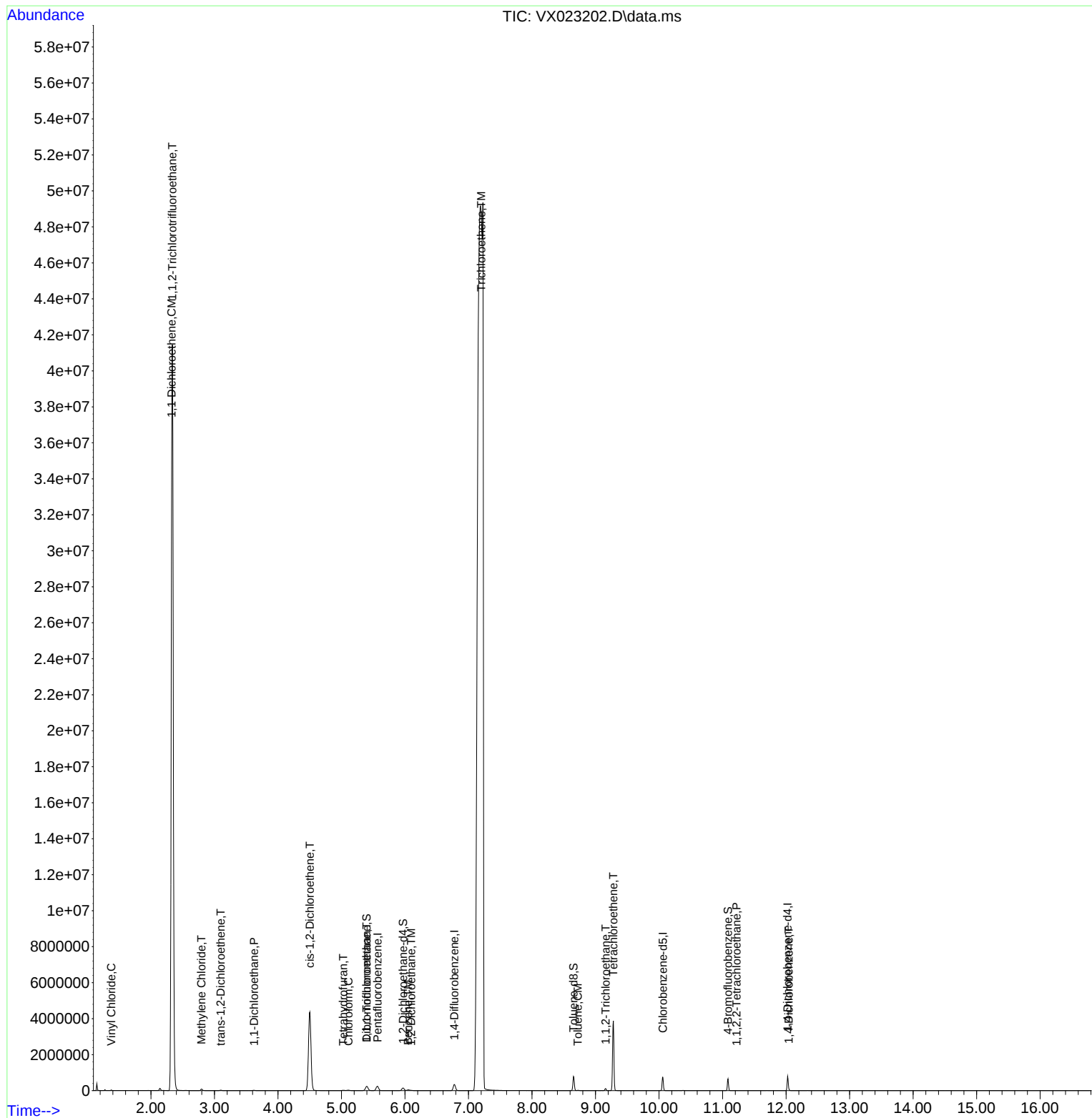
Internal Standards						
1) Pentafluorobenzene	5.568	168	227995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	376064	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	346320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	153638	50.139	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.280%
35) Dibromofluoromethane	5.397	113	120825	49.754	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.500%
50) Toluene-d8	8.653	98	446171	49.253	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.500%
62) 4-Bromofluorobenzene	11.085	95	171615	49.072	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.140%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.374	62	17447	8.058	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	16707050	7587.101	ug/l	88
12) 1,1-Dichloroethene	2.325	96	207217	101.958	ug/l #	79
20) Methylene Chloride	2.794	84	38452	14.732	ug/l	93
21) trans-1,2-Dichloroethene	3.099	96	9791	4.461	ug/l	90
24) 1,1-Dichloroethane	3.623	63	23304	5.539	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	2811653	1057.562	ug/l	92
29) Tetrahydrofuran	5.025	42	19824	16.870	ug/l	93
30) Chloroform	5.111	83	29612	6.516	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	99269	25.081	ug/l	98
40) Benzene	6.050	78	53910	5.539	ug/l	97
42) 1,2-Dichloroethane	6.098	62	16919	4.326	ug/l	94
44) Trichloroethene	7.202	130	49750351	18017.705	ug/l	94
52) Toluene	8.720	92	6160	0.978	ug/l	95
55) 1,1,2-Trichloroethane	9.159	97	31033	11.732	ug/l	97
64) Tetrachloroethene	9.281	164	726257	262.925	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.219	83	938	0.268	ug/l #	94
88) 1,4-Dichlorobenzene	12.042	146	18037	3.462	ug/l	86

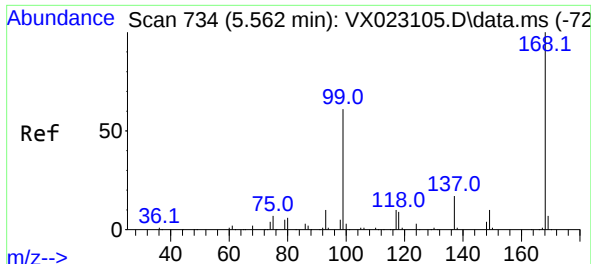
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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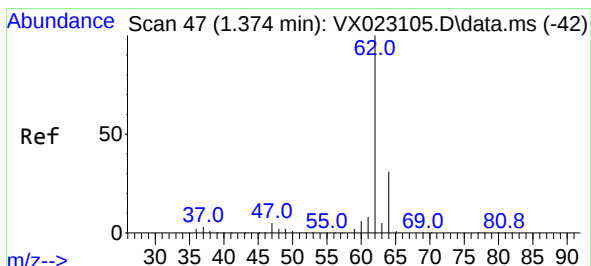
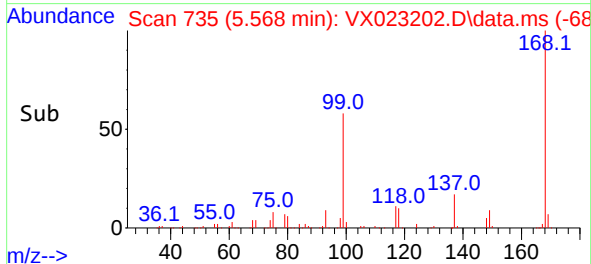
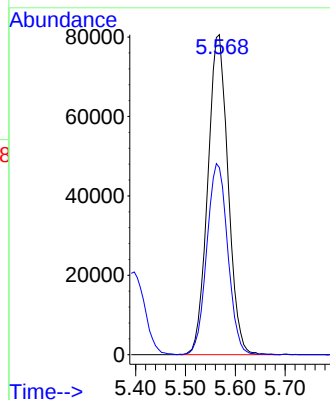
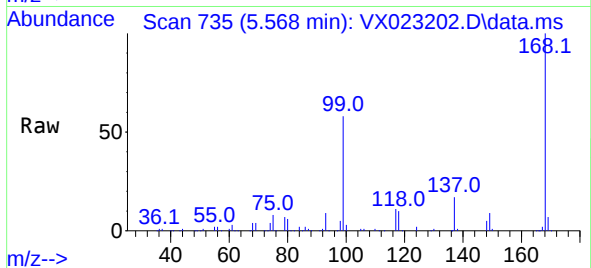




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

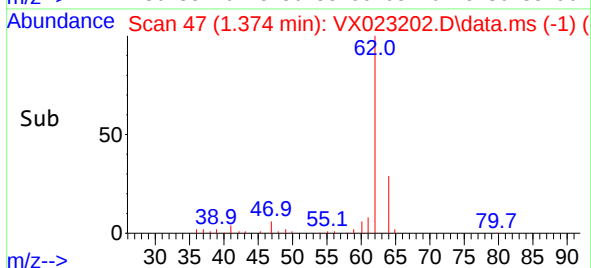
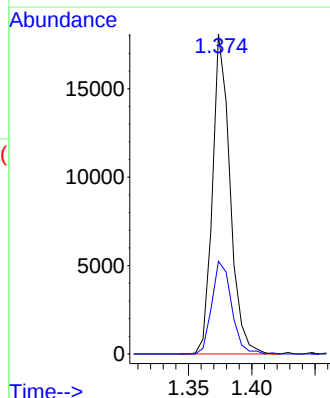
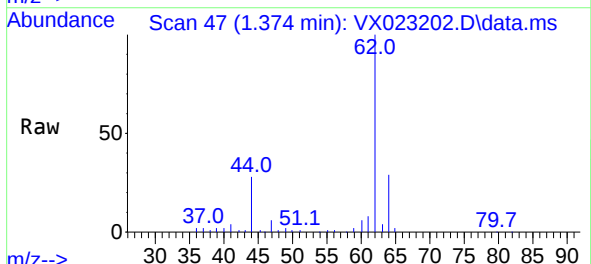
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

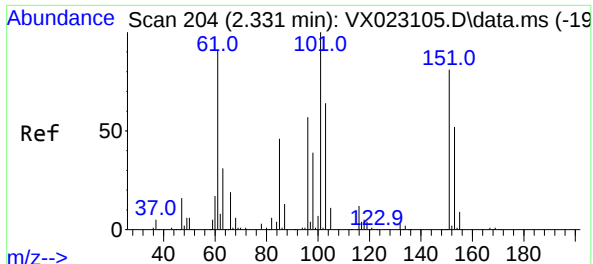
Tgt Ion:168 Resp: 227995
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#4
Vinyl Chloride
Concen: 8.058 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 62 Resp: 17447
Ion Ratio Lower Upper
62 100
64 28.9 25.7 38.5

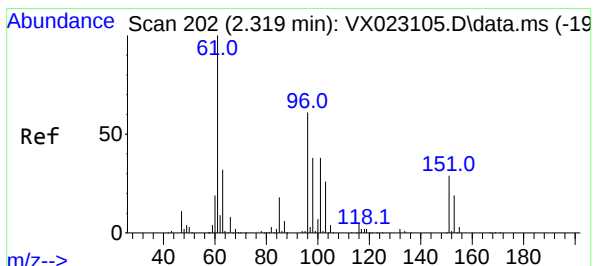
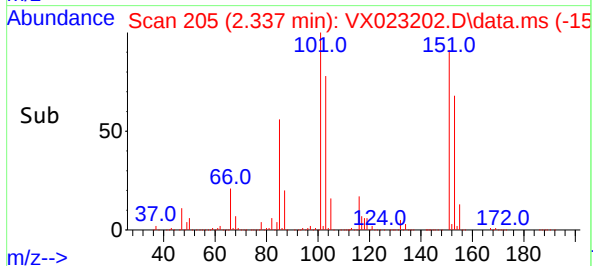
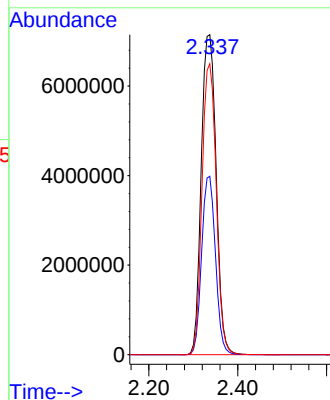
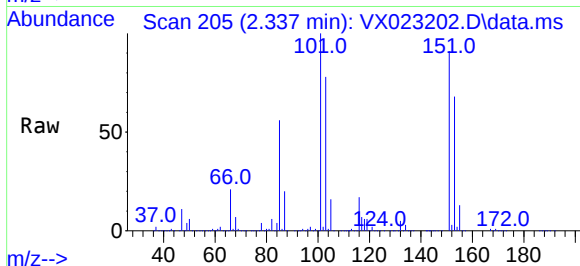




#9
1,1,2-Trichlorotrifluoroethane
Concen: 7587.101 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

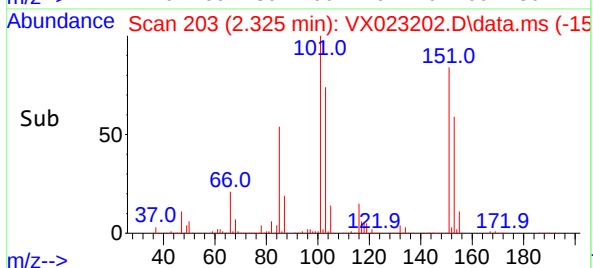
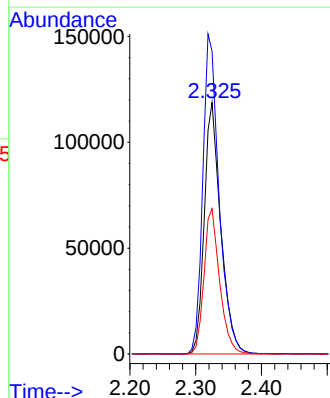
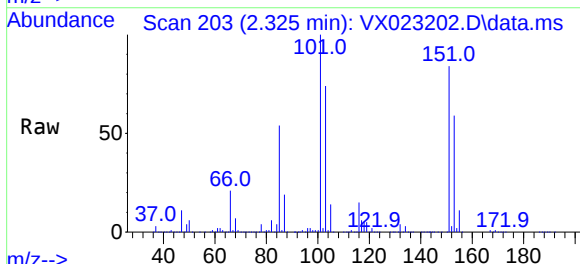
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

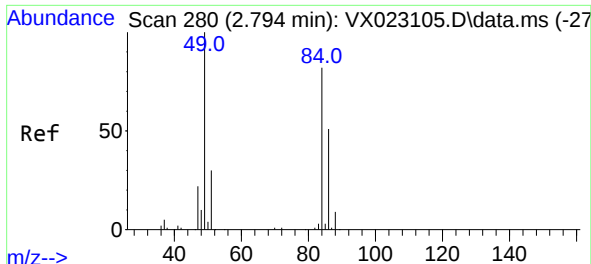
Tgt Ion:101 Resp:16707050
Ion Ratio Lower Upper
101 100
85 51.7 34.9 52.3
151 86.8 61.4 92.2



#12
1,1-Dichloroethene
Concen: 101.958 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 96 Resp: 207217
Ion Ratio Lower Upper
96 100
61 120.4 124.6 187.0#
98 57.8 50.6 76.0



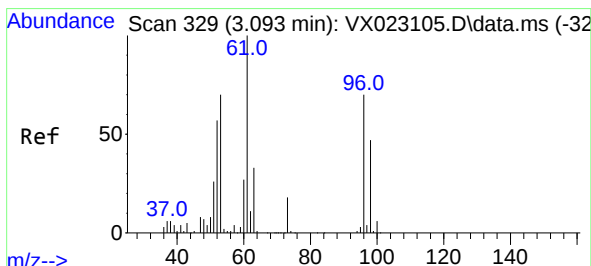
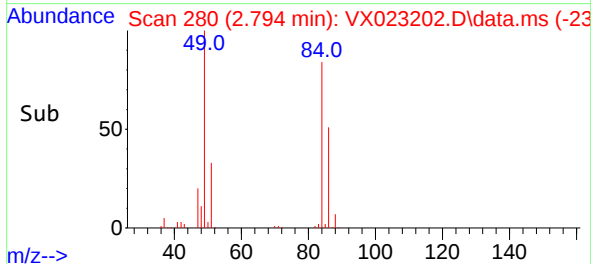
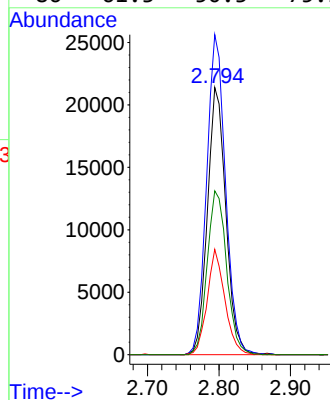
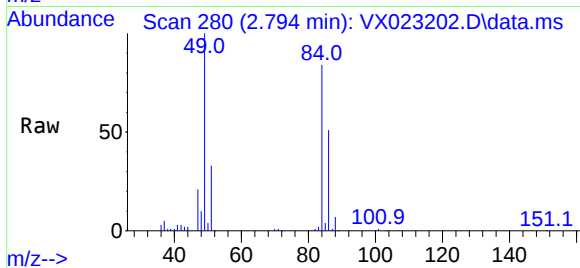


#20
Methylene Chloride
Concen: 14.732 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

Tgt Ion: 84 Resp: 38452

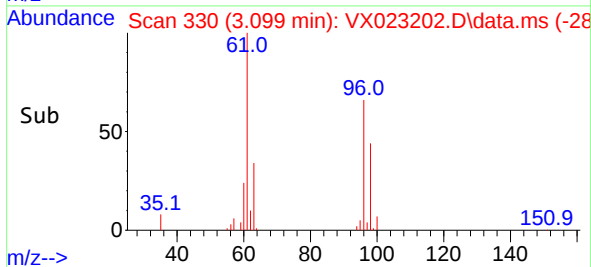
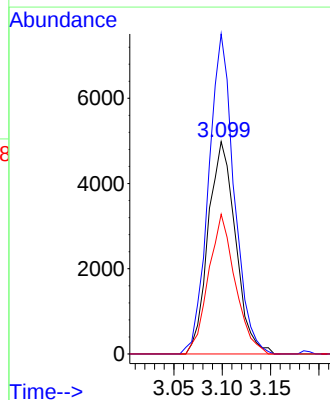
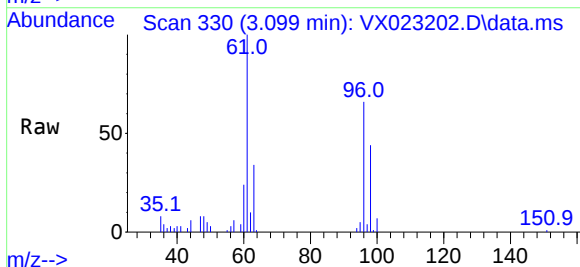
Ion	Ratio	Lower	Upper
84	100		
49	119.7	88.6	132.8
51	39.4	27.0	40.6
86	61.3	50.3	75.5

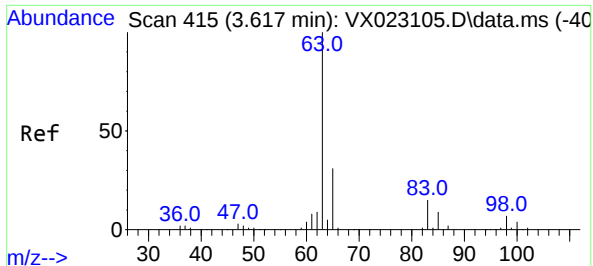


#21
trans-1,2-Dichloroethene
Concen: 4.461 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 96 Resp: 9791

Ion	Ratio	Lower	Upper
96	100		
61	150.7	107.7	161.5
98	65.8	50.4	75.6

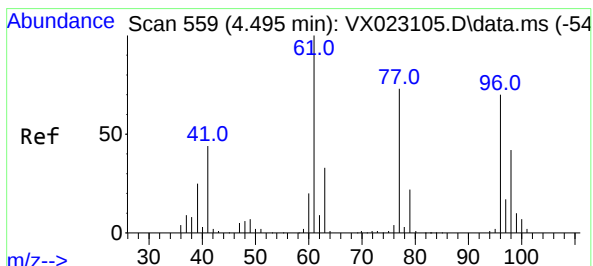
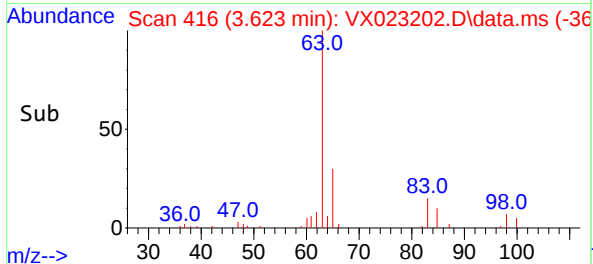
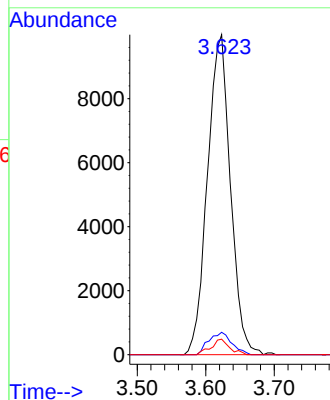
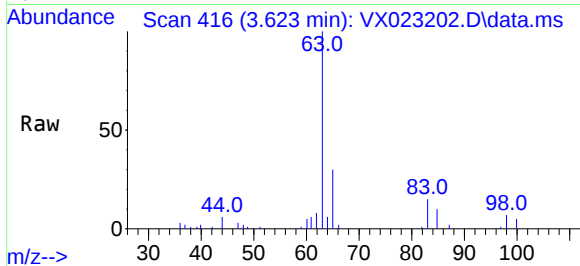




#24
1,1-Dichloroethane
Concen: 5.539 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

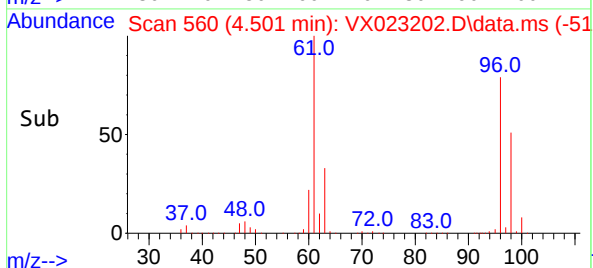
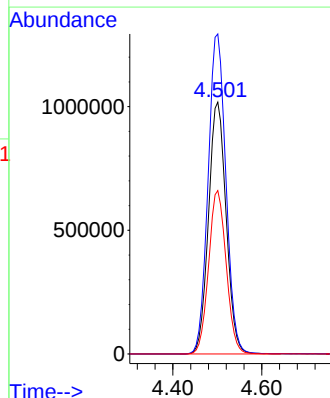
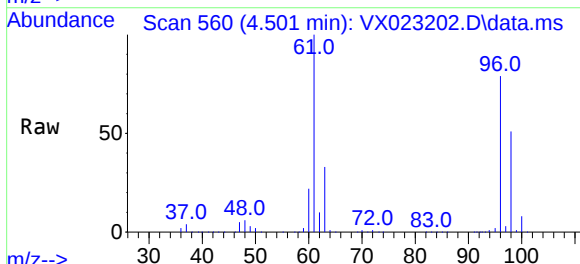
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

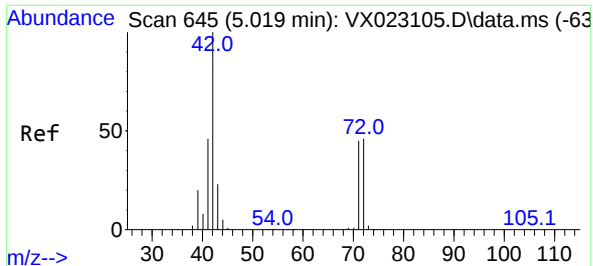
Tgt Ion: 63	Resp: 23304
Ion Ratio	Lower Upper
63 100	
98 7.0	3.8 11.2
100 4.8	2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 1057.562 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 96	Resp: 2811653
Ion Ratio	Lower Upper
96 100	
61 128.4	0.0 285.6
98 64.6	0.0 129.6





#29

Tetrahydrofuran

Concen: 16.870 ug/l

RT: 5.025 min Scan# 646

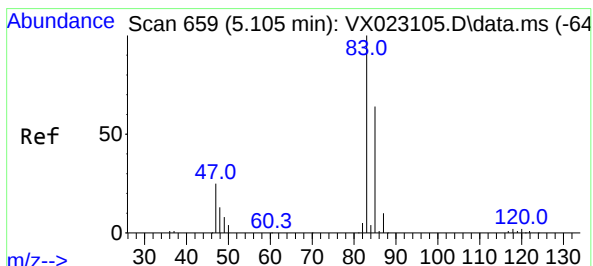
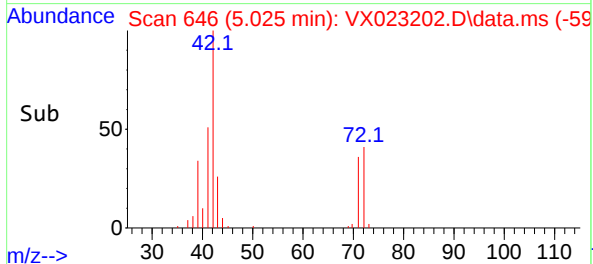
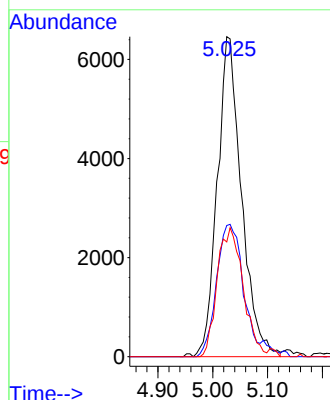
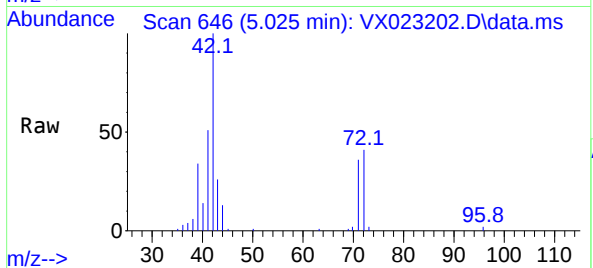
Delta R.T. 0.006 min

Lab File: VX023202.D

Acq: 08 Jul 2021 16:16

Tgt Ion: 42 Resp: 19824

Ion	Ratio	Lower	Upper
42	100		
72	47.6	41.7	62.5
71	43.0	38.4	57.6



#30

Chloroform

Concen: 6.516 ug/l

RT: 5.111 min Scan# 660

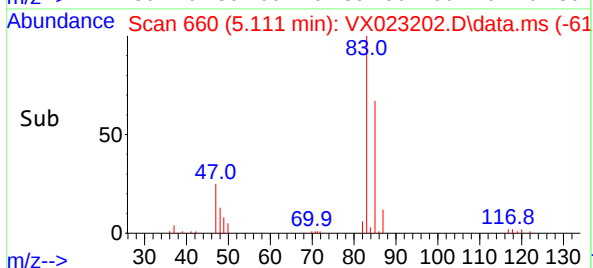
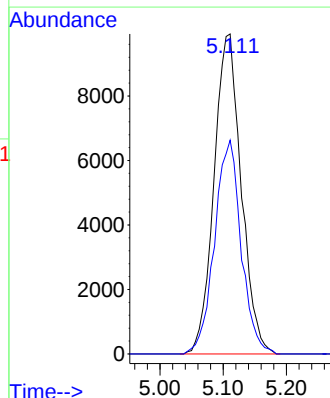
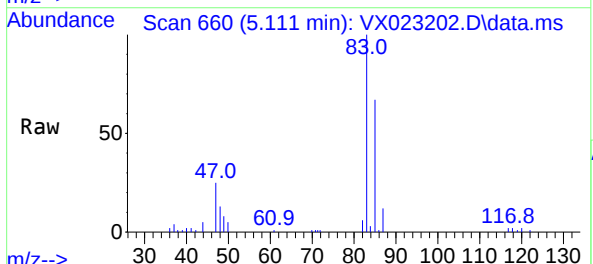
Delta R.T. 0.006 min

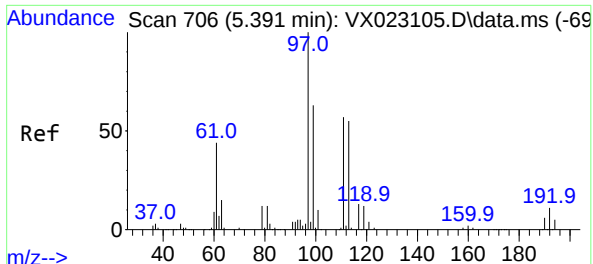
Lab File: VX023202.D

Acq: 08 Jul 2021 16:16

Tgt Ion: 83 Resp: 29612

Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.0	78.0

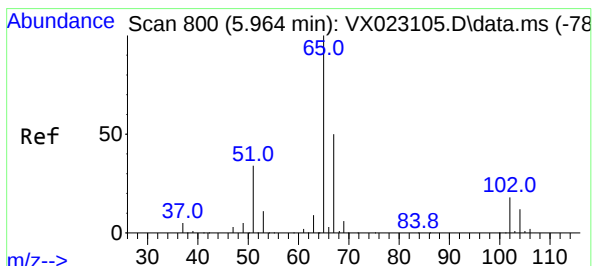
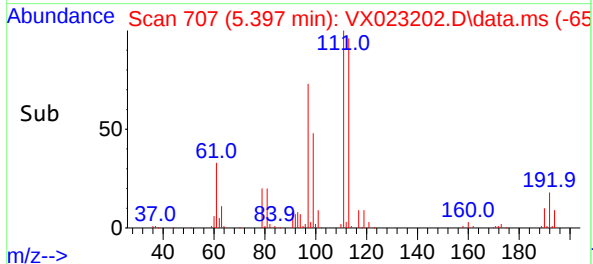
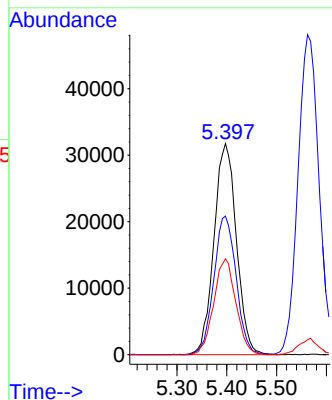
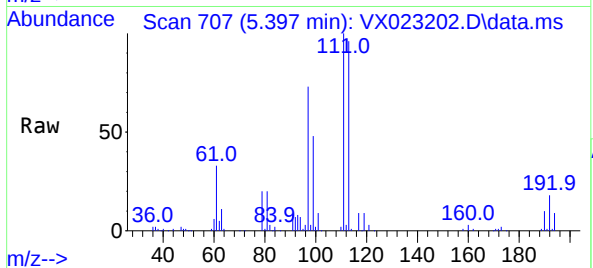




#32
1,1,1-Trichloroethane
Concen: 25.081 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

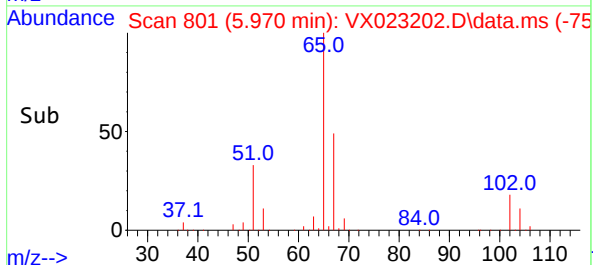
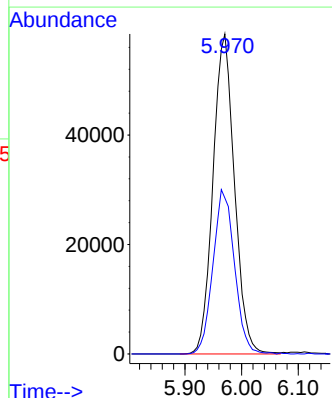
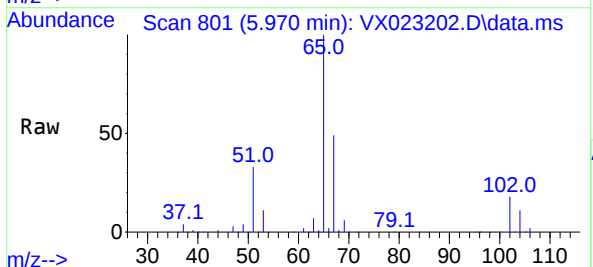
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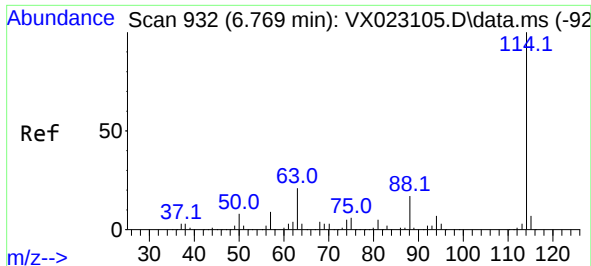
Tgt Ion: 97 Resp: 99269
Ion Ratio Lower Upper
97 100
99 65.2 51.5 77.3
61 44.8 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 50.139 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 65 Resp: 153638
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

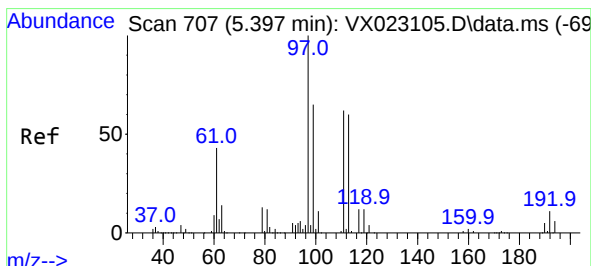
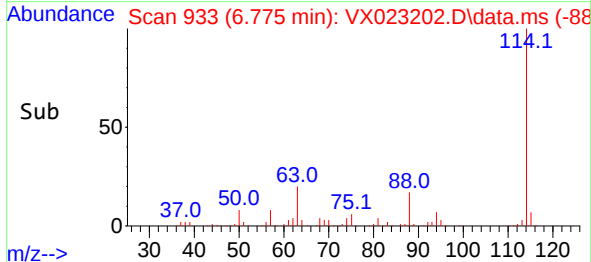
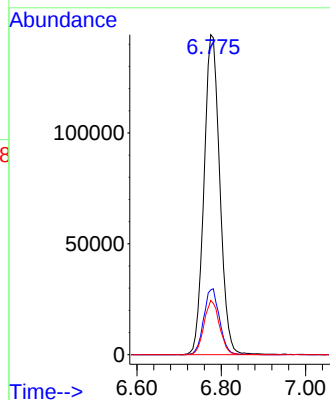
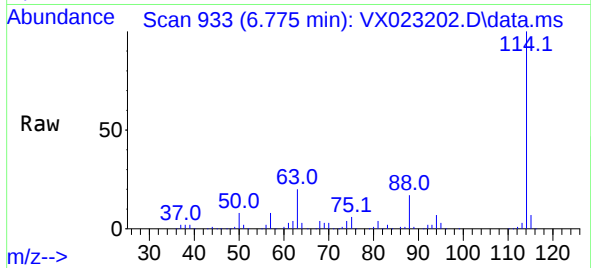




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

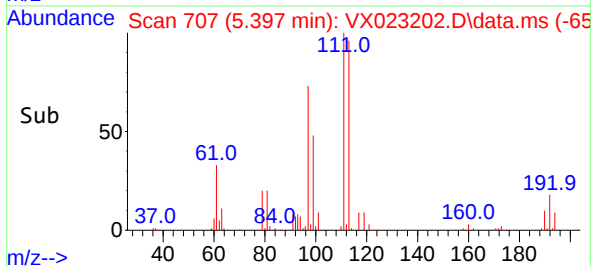
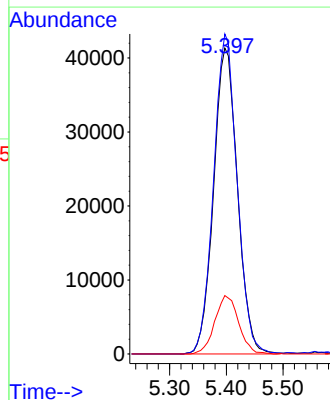
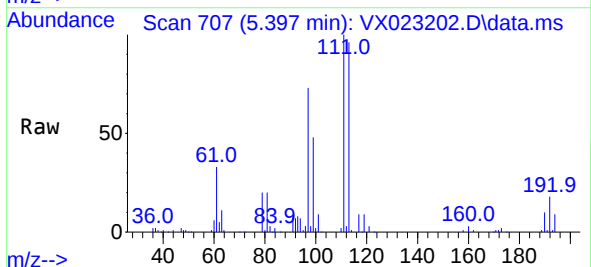
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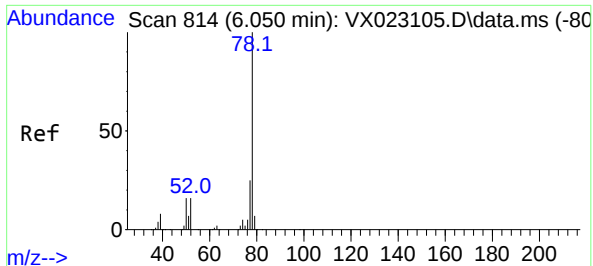
Tgt Ion:114 Resp: 376064
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.754 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion:113 Resp: 120825
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.0 16.7 25.1

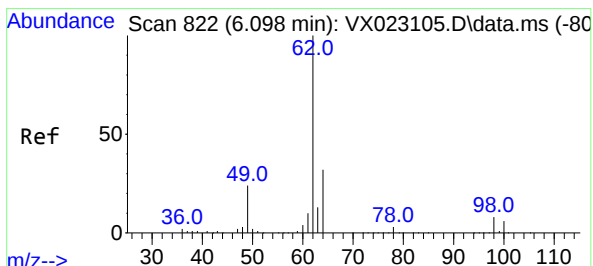
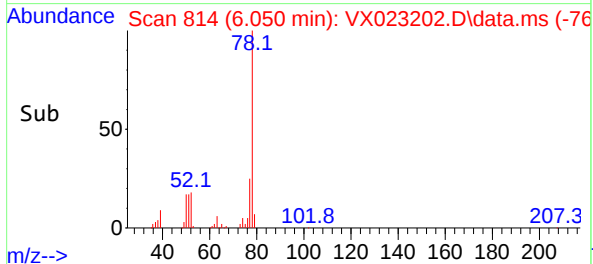
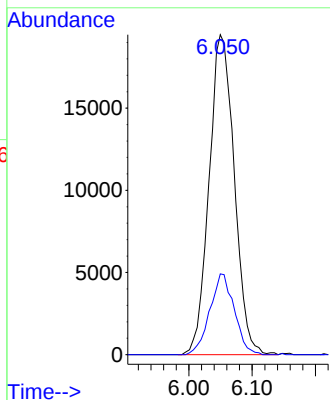
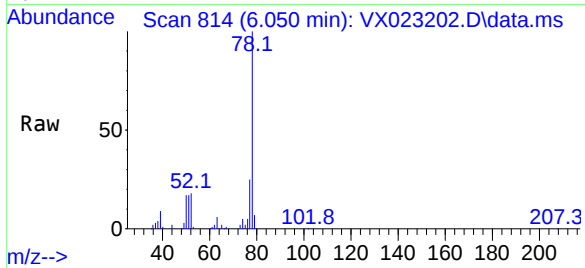




#40
Benzene
Concen: 5.539 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

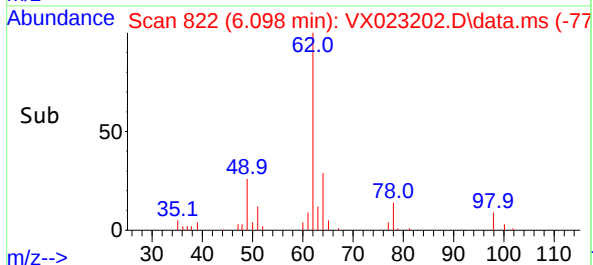
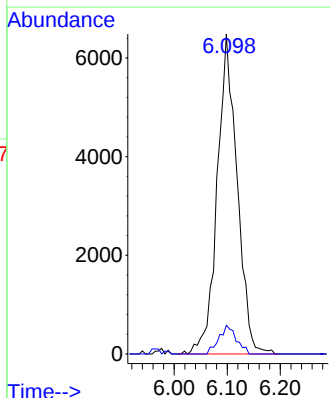
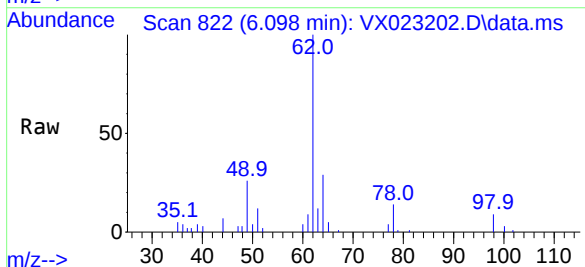
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

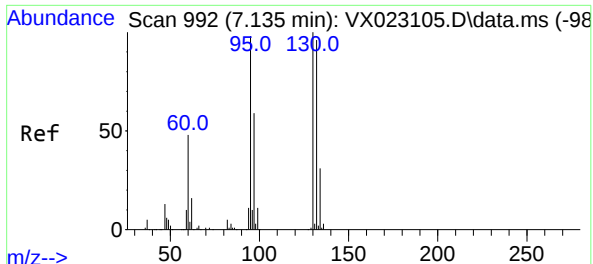
Tgt Ion: 78 Resp: 53910
Ion Ratio Lower Upper
78 100
77 25.2 18.9 28.3



#42
1,2-Dichloroethane
Concen: 4.326 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 62 Resp: 16919
Ion Ratio Lower Upper
62 100
98 7.8 0.0 20.2

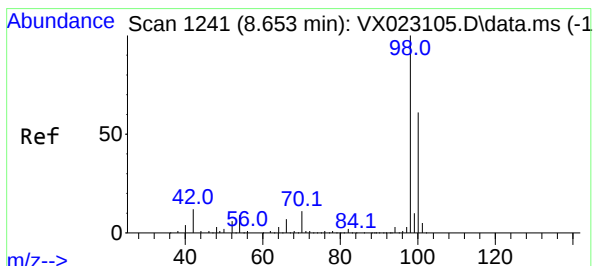
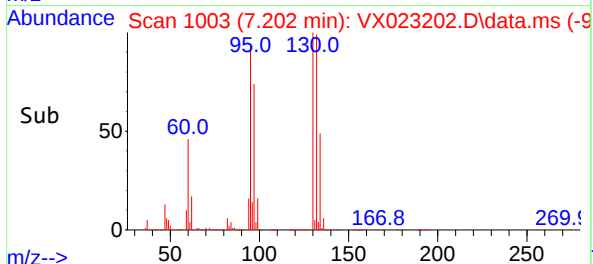
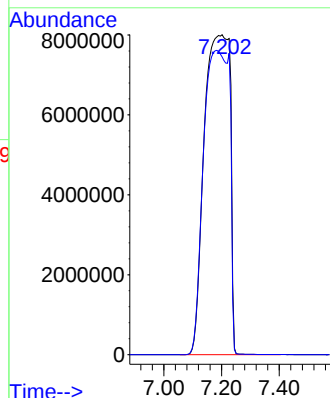
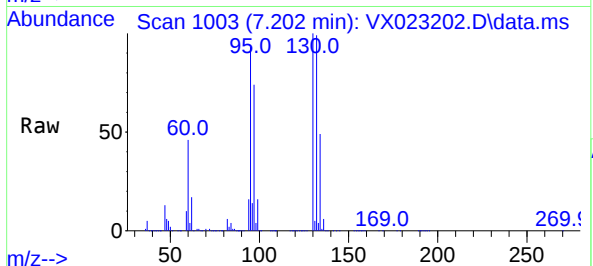




#44
Trichloroethene
Concen: 18017.705 ug/l
RT: 7.202 min Scan# 1003
Delta R.T. 0.067 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

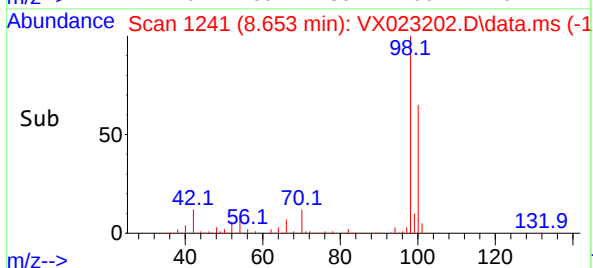
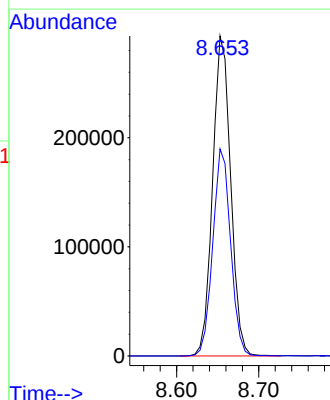
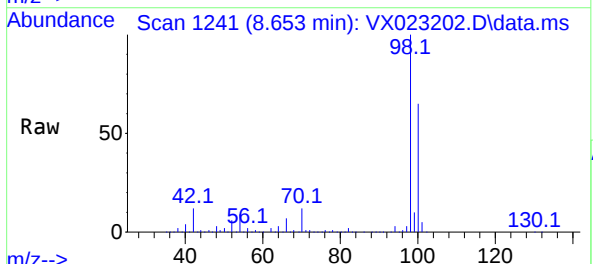
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

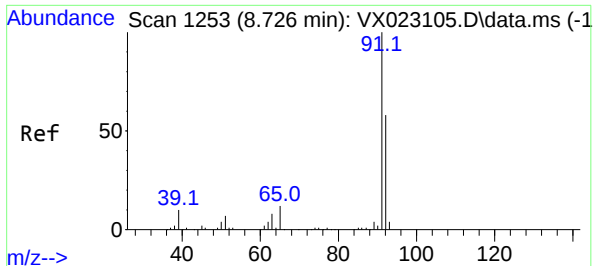
Tgt Ion:130 Resp:49750351
Ion Ratio Lower Upper
130 100
95 93.1 0.0 198.0



#50
Toluene-d8
Concen: 49.253 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 98 Resp: 446171
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

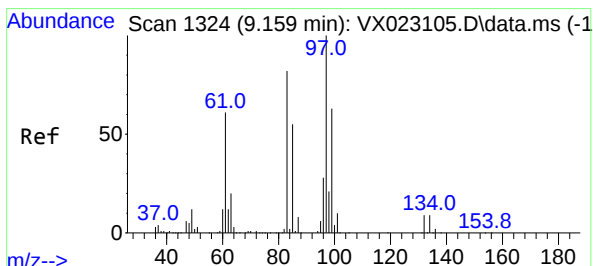
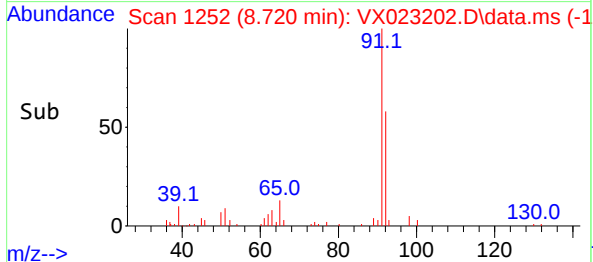
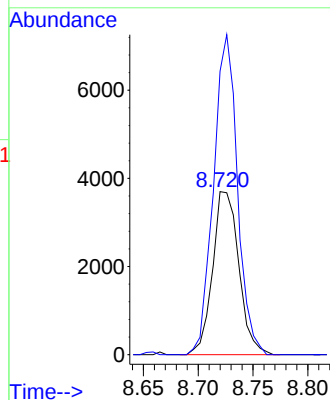
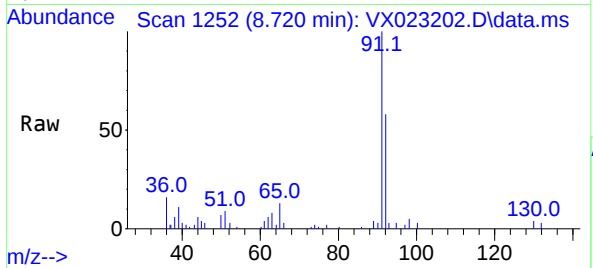




#52
Toluene
Concen: 0.978 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

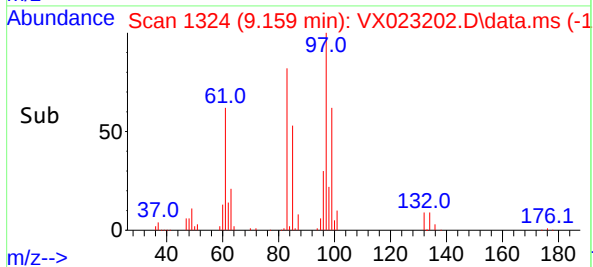
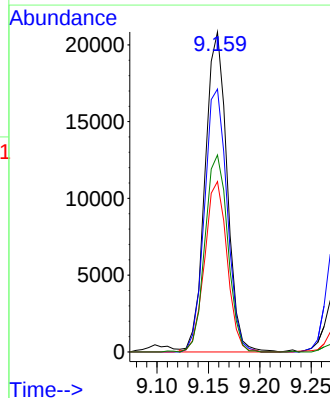
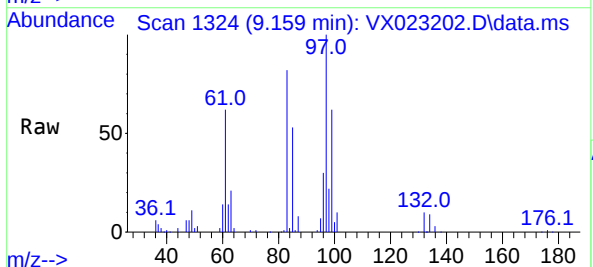
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

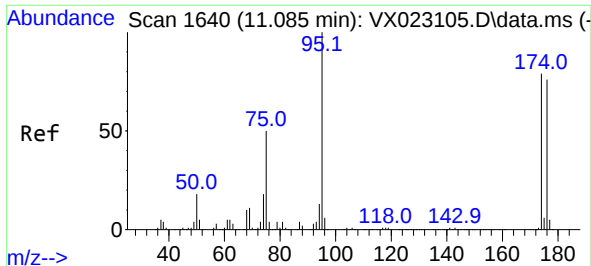
Tgt Ion: 92 Resp: 6160
Ion Ratio Lower Upper
92 100
91 179.0 137.1 205.7



#55
1,1,2-Trichloroethane
Concen: 11.732 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 97 Resp: 31033
Ion Ratio Lower Upper
97 100
83 82.1 69.3 103.9
85 53.3 44.3 66.5
99 61.6 50.3 75.5

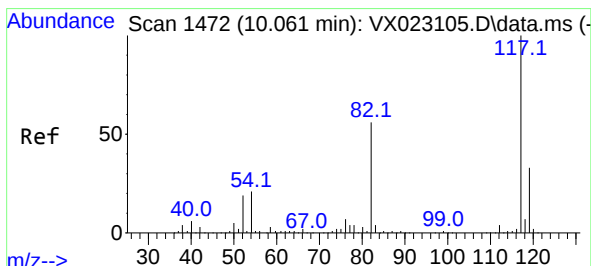
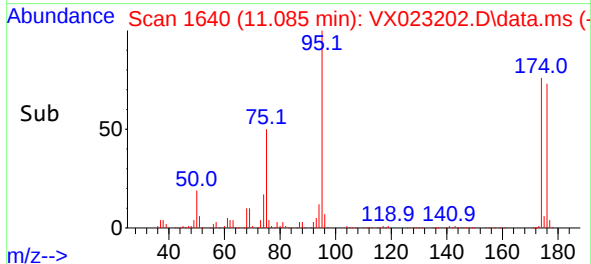
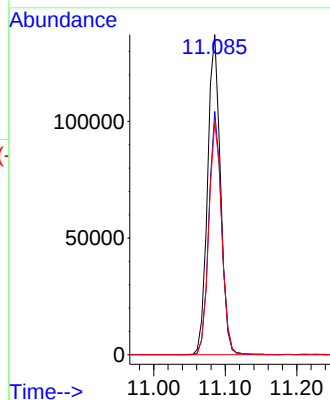
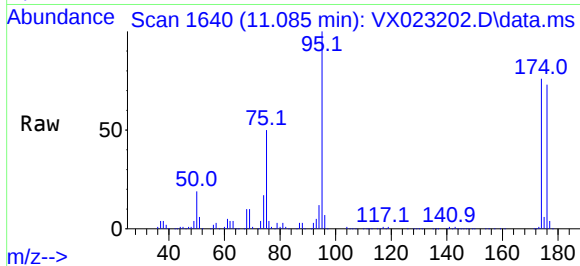




#62
4-Bromofluorobenzene
Concen: 49.072 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

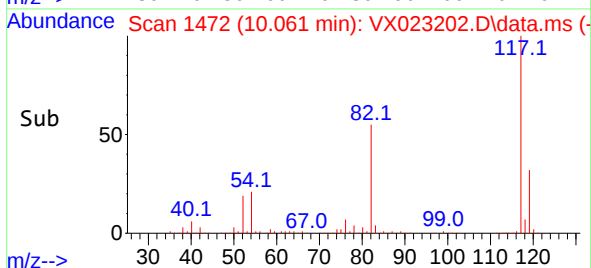
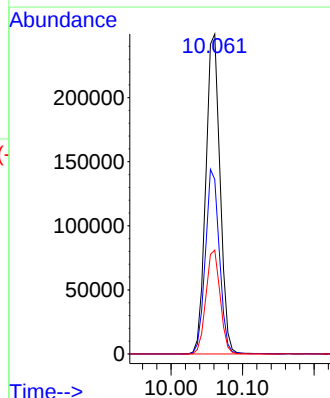
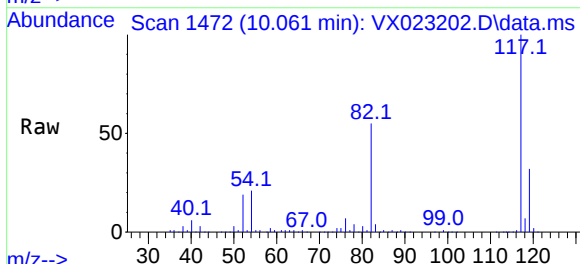
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

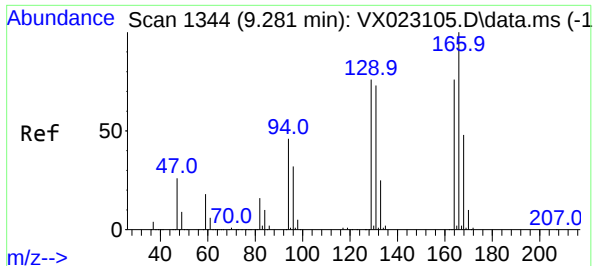
Tgt Ion: 95 Resp: 171615
Ion Ratio Lower Upper
95 100
174 74.8 0.0 154.6
176 72.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 117 Resp: 346320
Ion Ratio Lower Upper
117 100
82 54.6 47.4 71.2
119 32.5 26.6 39.8



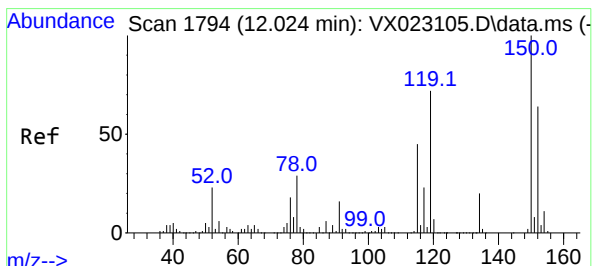
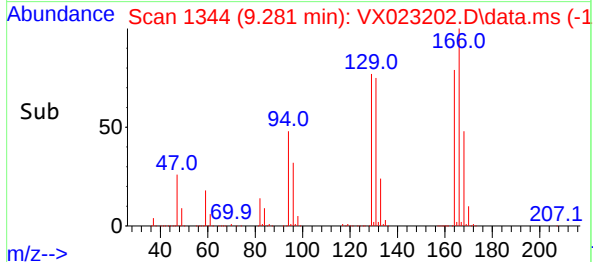
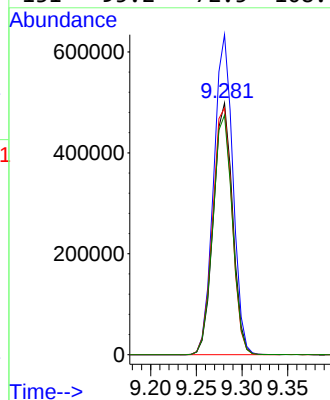
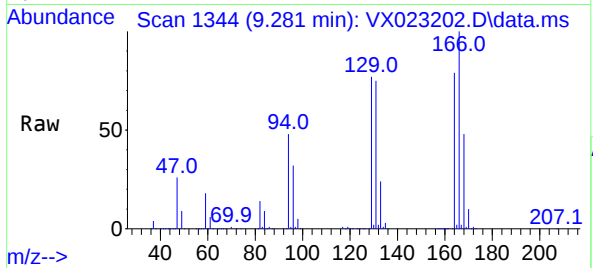


#64
Tetrachloroethene
Concen: 262.925 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

Tgt Ion:164 Resp: 726257

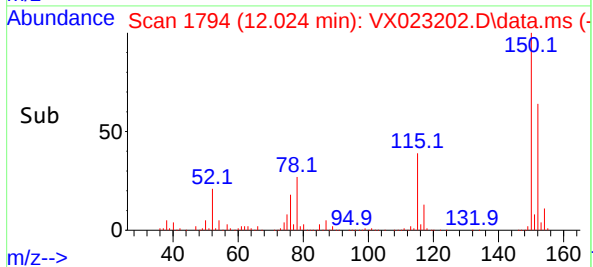
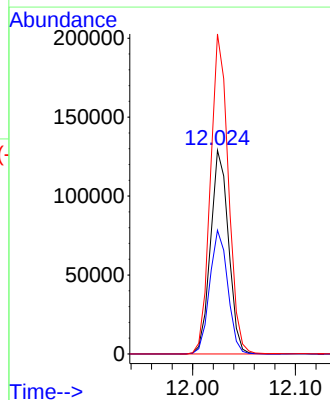
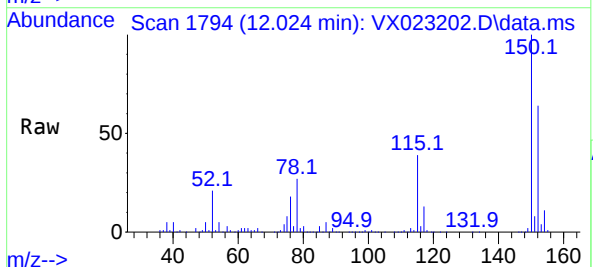
Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.4	155.2
129	98.0	70.8	106.2
131	95.2	72.5	108.7

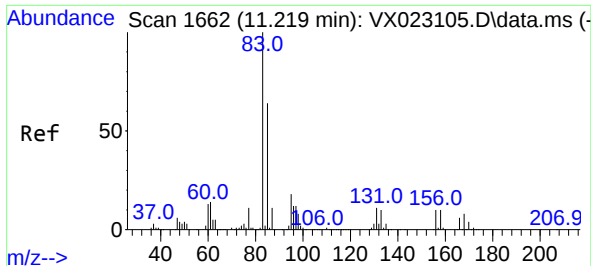


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion:152 Resp: 156646

Ion	Ratio	Lower	Upper
152	100		
115	61.0	41.1	123.3
150	156.6	0.0	349.0

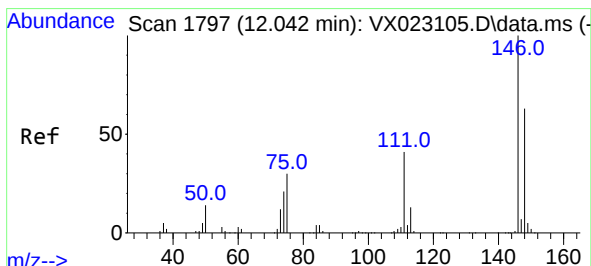
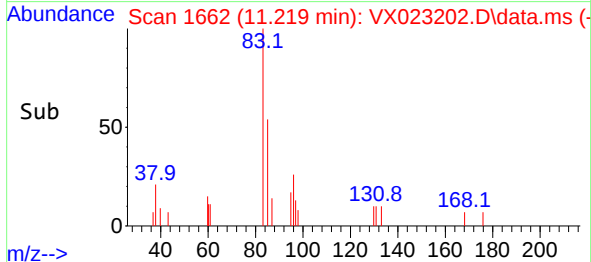
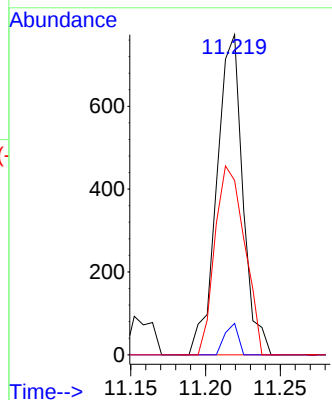
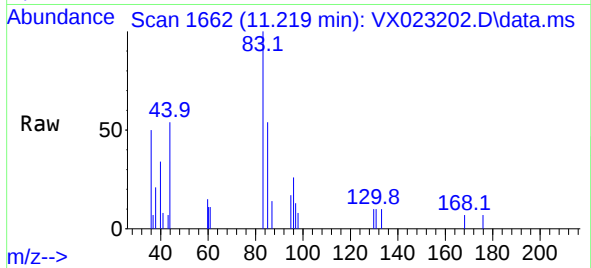




#75
1,1,2,2-Tetrachloroethane
Concen: 0.268 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621

Tgt Ion: 83 Resp: 938
Ion Ratio Lower Upper
83 100
131 5.0 5.1 15.2#
85 67.1 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 3.462 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX023202.D
Acq: 08 Jul 2021 16:16

Tgt Ion: 146 Resp: 18037
Ion Ratio Lower Upper
146 100
111 53.1 19.6 58.8
148 70.3 31.6 95.0

