

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070921\
 Data File : VX023219.D
 Acq On : 09 Jul 2021 14:30
 Operator : JC/MD
 Sample : M2953-09DL 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 10 04:19:44 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)

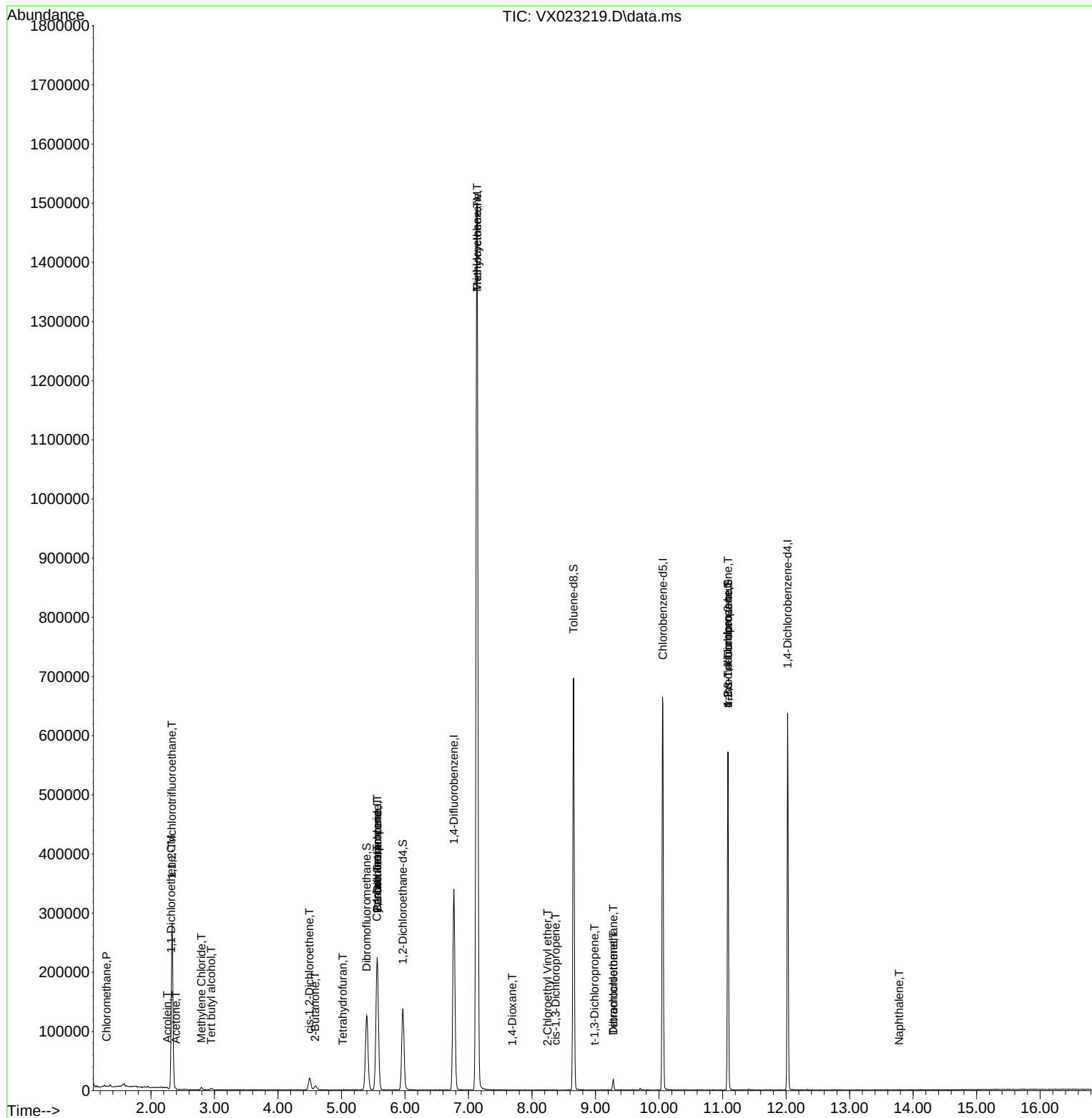
Internal Standards						
1) Pentafluorobenzene	5.562	168	206595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	338283	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	302085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	138099	49.736	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.480%
35) Dibromofluoromethane	5.397	113	107615	49.263	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.520%
50) Toluene-d8	8.653	98	406808	49.923	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.840%
62) 4-Bromofluorobenzene	11.085	95	145274	46.180	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.360%
Target Compounds						Qvalue
3) Chloromethane	1.300	50	381	0.206	ug/l #	42
5) Bromomethane	1.611	94	491	Below Cal	#	63
9) 1,1,2-Trichlorotrifluo...	2.331	101	108018	54.135	ug/l	94
11) Tert butyl alcohol	2.946	59	1682	2.879	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	1110	0.603	ug/l #	92
13) Acrolein	2.258	56	226	0.581	ug/l	96
16) Acetone	2.392	43	1124	1.023	ug/l #	82
20) Methylene Chloride	2.794	84	1640	0.693	ug/l #	85
25) 2-Butanone	4.586	43	551	0.333	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	12841	5.330	ug/l	94
29) Tetrahydrofuran	5.019	42	276	0.259	ug/l #	39
31) Cyclohexane	5.556	56	4641	1.396	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	15961	5.293	ug/l #	51
38) Carbon Tetrachloride	5.562	117	21049	6.687	ug/l #	16
39) Methylcyclohexane	7.135	83	7090	2.010	ug/l #	1
44) Trichloroethene	7.135	130	581445	234.096	ug/l	98
49) 1,4-Dioxane	7.689	88	21	0.348	ug/l #	1
53) t-1,3-Dichloropropene	8.982	75	106	2.763	ug/l #	44
54) cis-1,3-Dichloropropene	8.372	75	40	2.183	ug/l #	26
58) 2-Chloroethyl Vinyl ether	8.244	63	59	4.719	ug/l #	45
60) Dibromochloromethane	9.281	129	3367	4.301	ug/l #	11
64) Tetrachloroethene	9.281	164	3485	1.446	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	74297	29.005	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	74297	78.036	ug/l #	12
95) Naphthalene	13.780	128	417	1.318	ug/l #	78

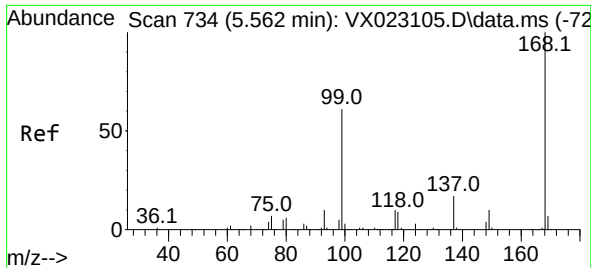
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

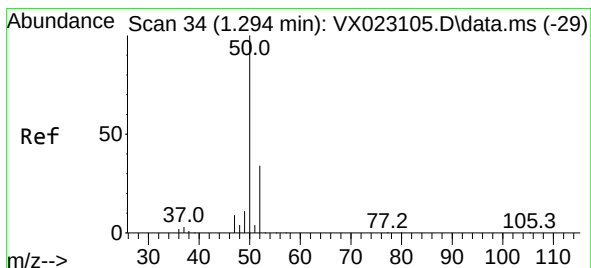
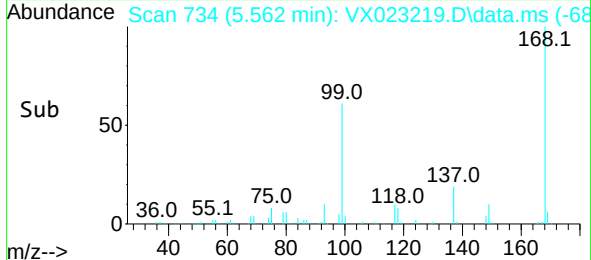
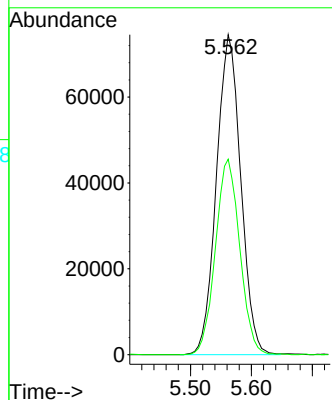
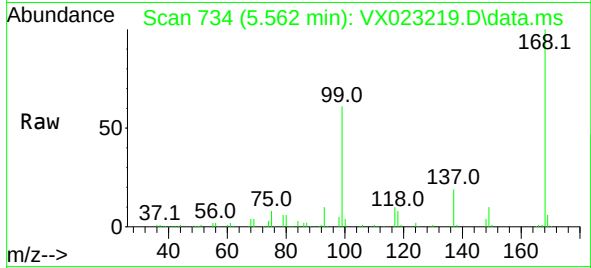




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

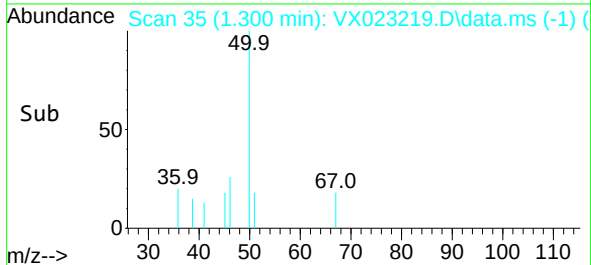
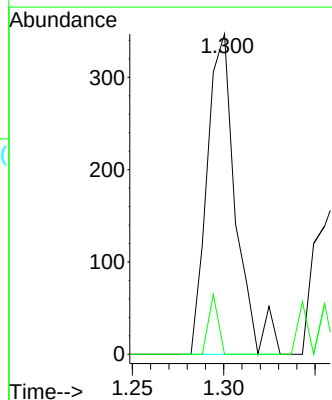
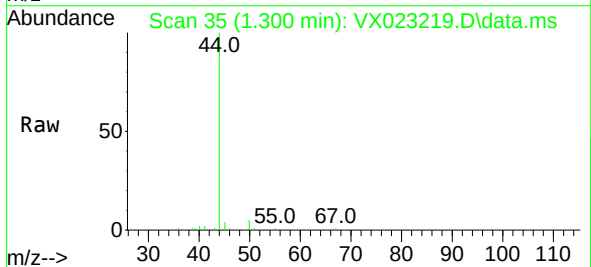
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

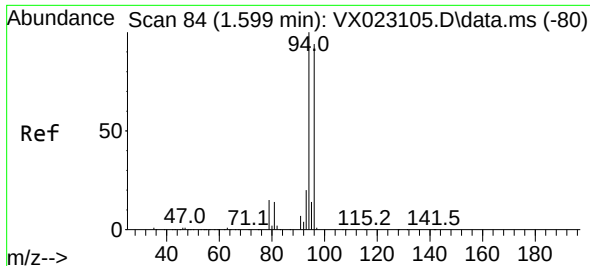
Tgt Ion:168 Resp: 206595
Ion Ratio Lower Upper
168 100
99 61.1 45.8 68.6



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 50 Resp: 381
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

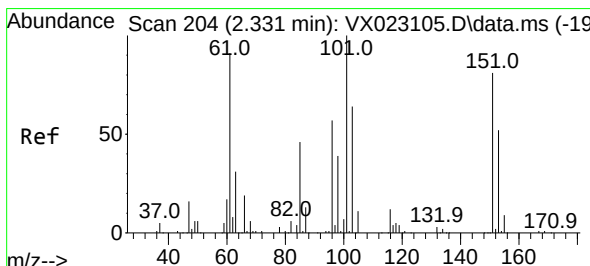
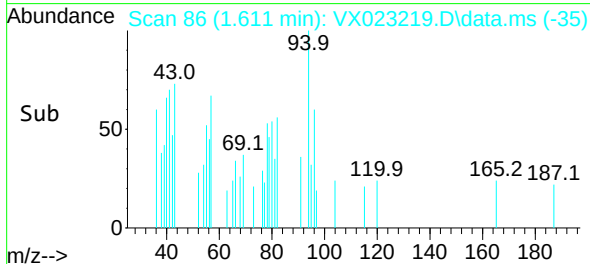
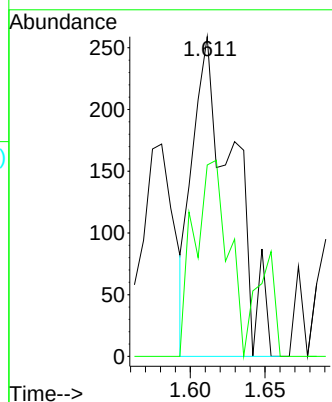
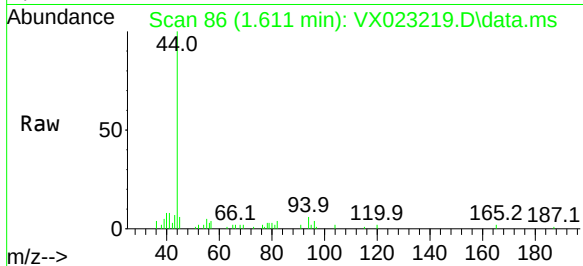




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

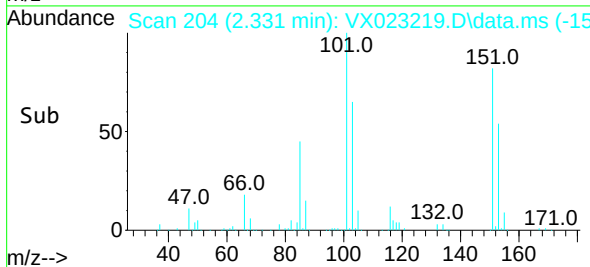
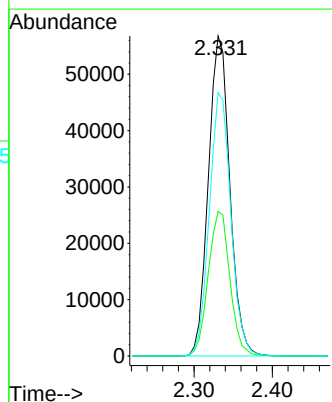
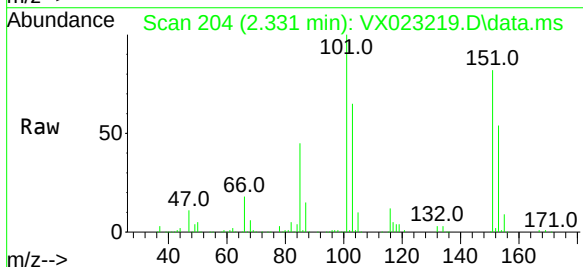
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

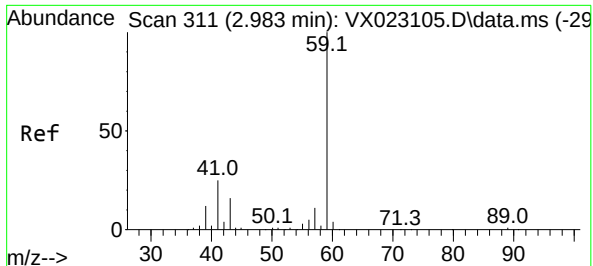
Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 59.8 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.135 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 101 Resp: 108018
Ion Ratio Lower Upper
101 100
85 45.7 34.9 52.3
151 82.9 61.4 92.2



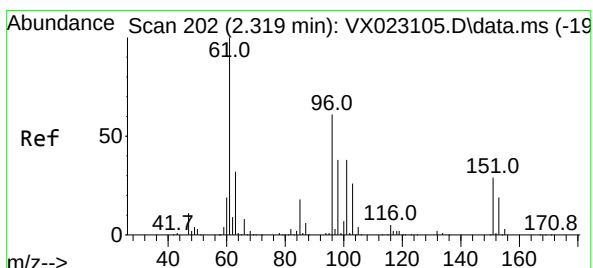
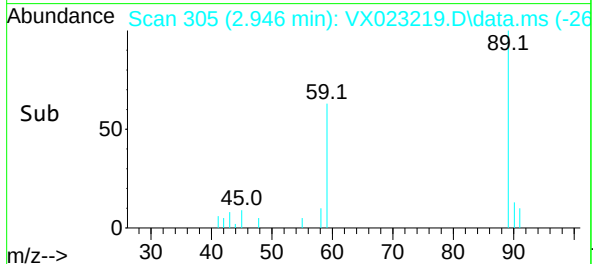
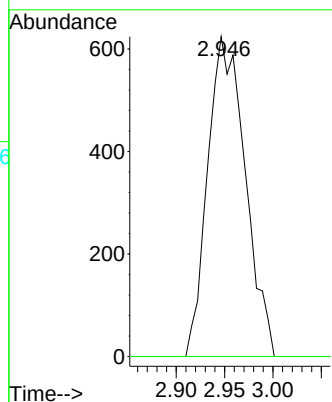
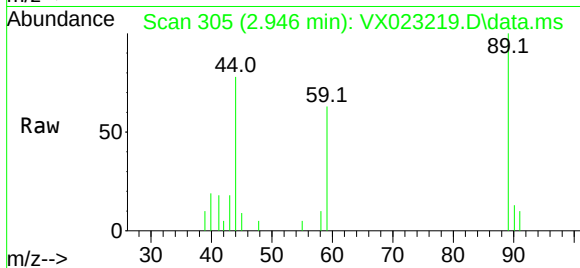


#11

Tert butyl alcohol
Concen: 2.879 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

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

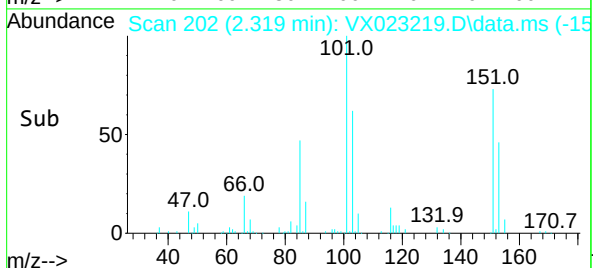
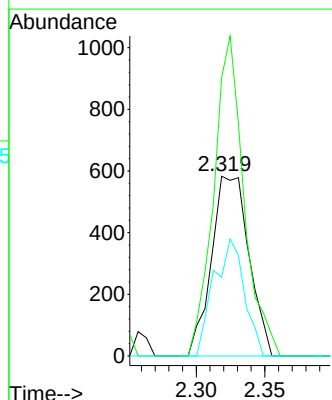
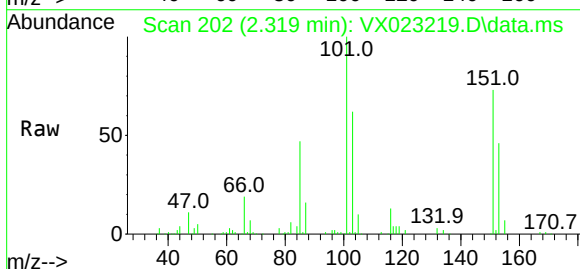
Tgt Ion: 59 Resp: 1682
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

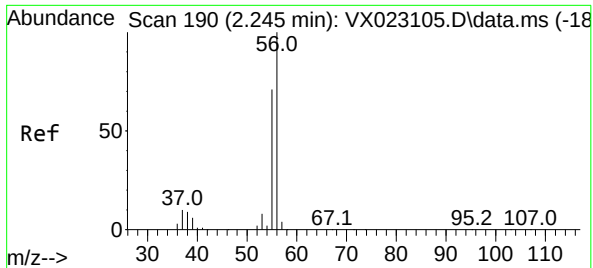


#12

1,1-Dichloroethene
Concen: 0.603 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 96 Resp: 1110
Ion Ratio Lower Upper
96 100
61 154.9 124.6 187.0
98 43.9 50.6 76.0#

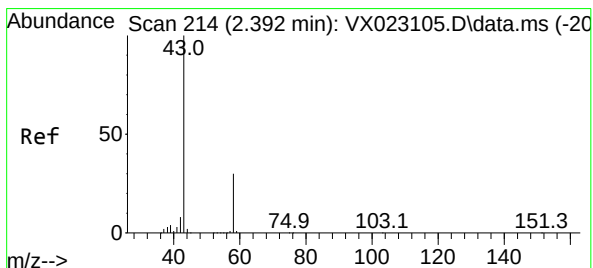
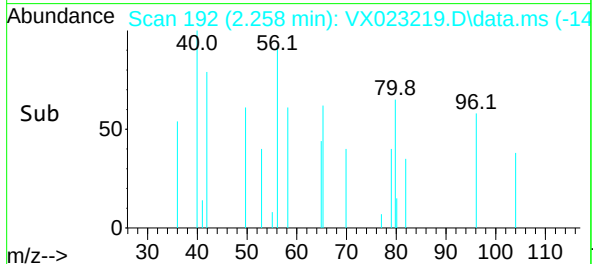
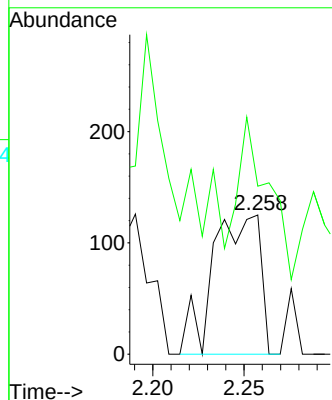
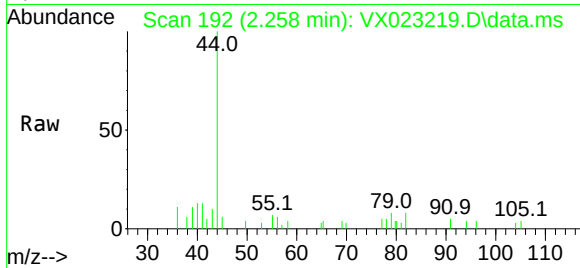




#13
Acrolein
Concen: 0.581 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.013 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

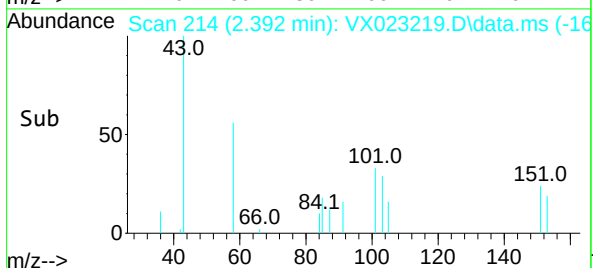
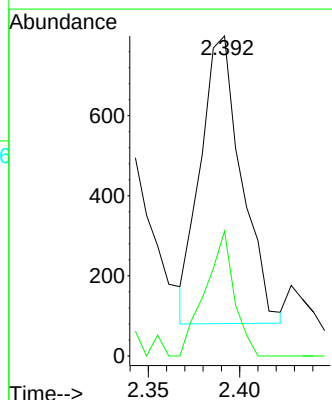
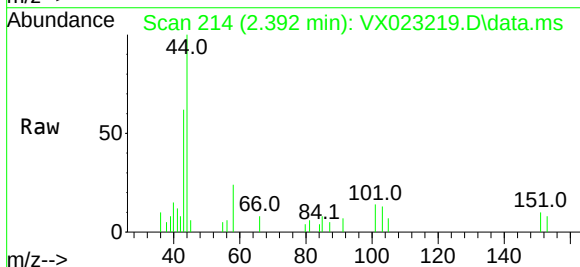
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

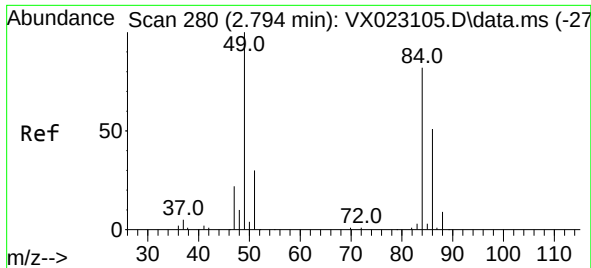
Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 73.9 56.4 84.6



#16
Acetone
Concen: 1.023 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 43 Resp: 1124
Ion Ratio Lower Upper
43 100
58 45.2 27.8 41.8#

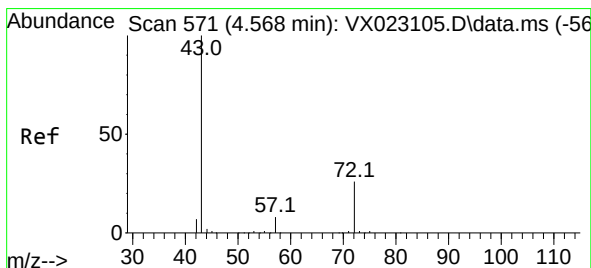
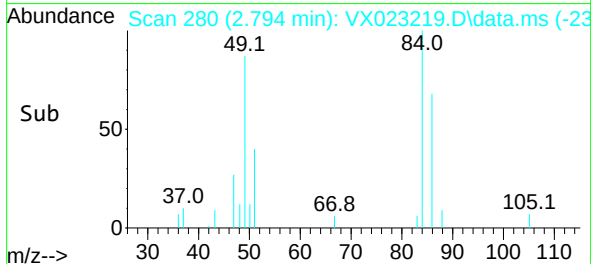
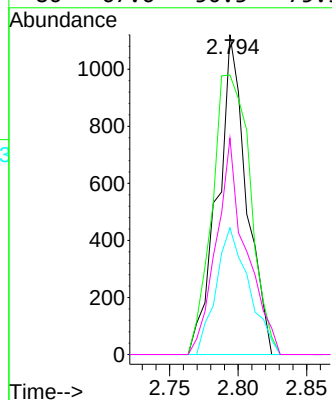
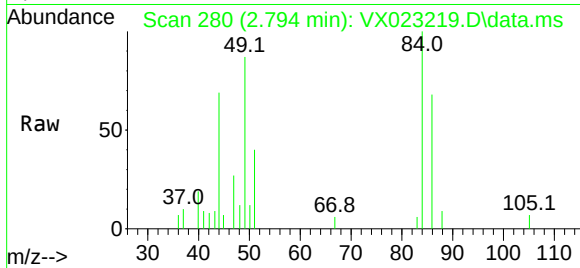




#20
Methylene Chloride
Concen: 0.693 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

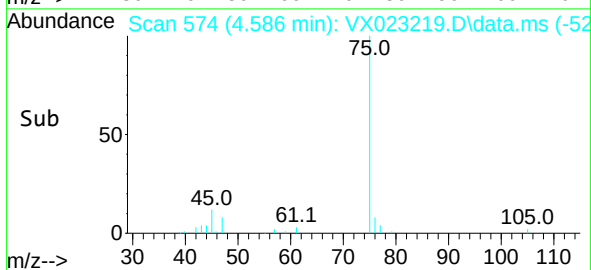
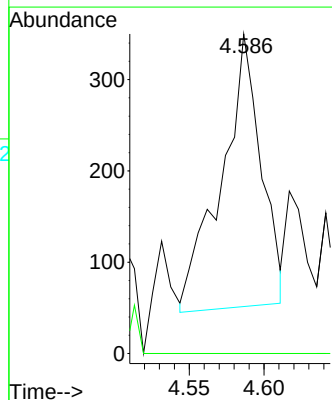
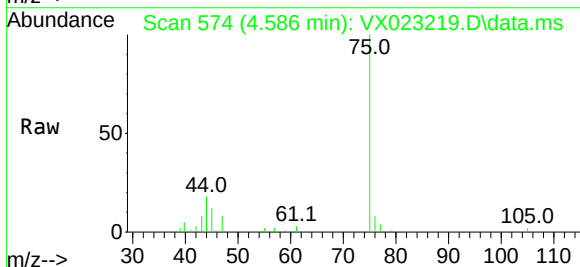
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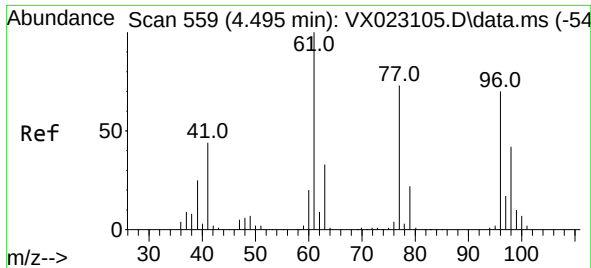
Tgt Ion:	84	Resp:	1640
Ion	Ratio	Lower	Upper
84	100		
49	87.4	88.6	132.8#
51	39.6	27.0	40.6
86	67.6	50.3	75.5



#25
2-Butanone
Concen: 0.333 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion:	43	Resp:	551
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#27

cis-1,2-Dichloroethene

Concen: 5.330 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX023219.D

Acq: 09 Jul 2021 14:30

Tgt Ion: 96 Resp: 12841

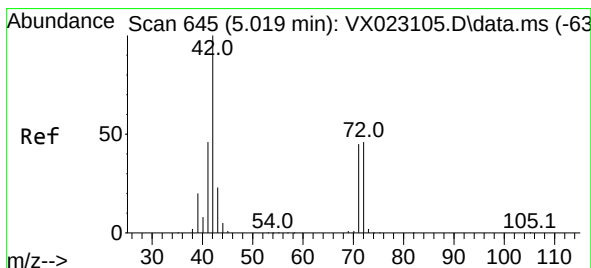
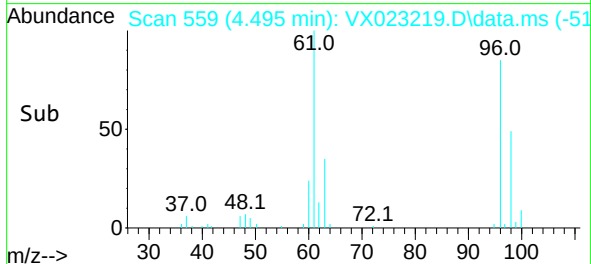
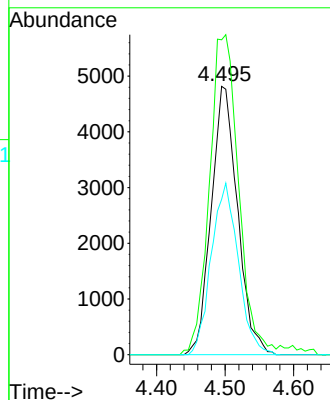
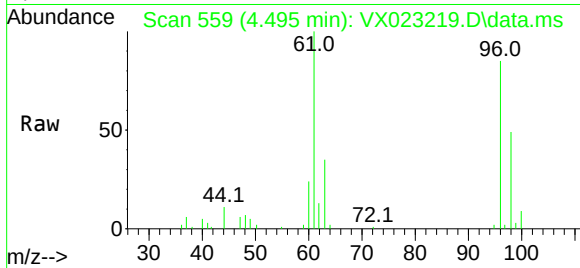
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	285.6
98	65.8	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

MW-06-1.5-6.5-070621DL



#29

Tetrahydrofuran

Concen: 0.259 ug/l

RT: 5.019 min Scan# 645

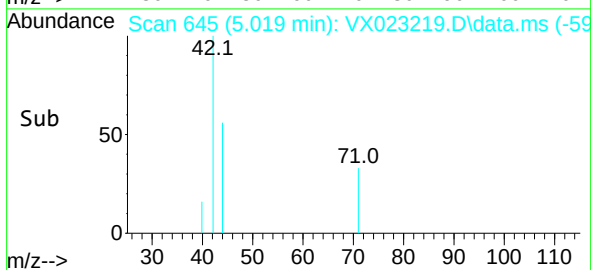
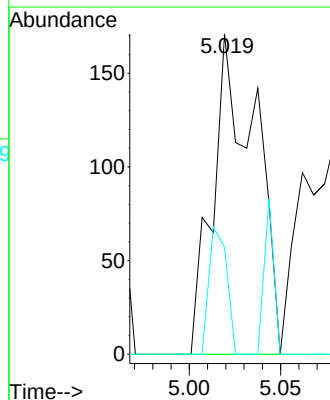
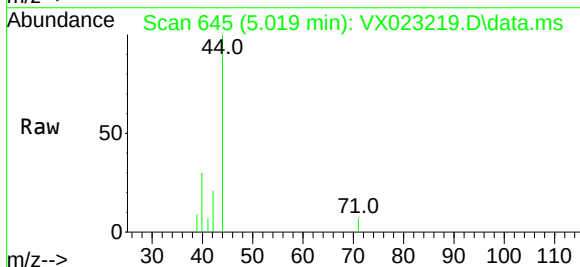
Delta R.T. 0.000 min

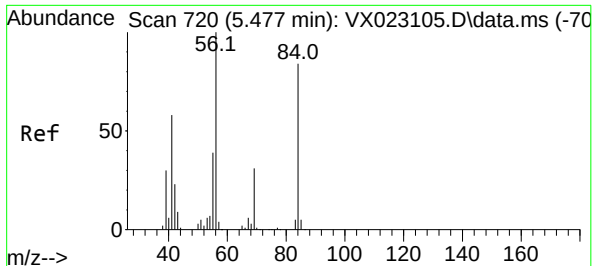
Lab File: VX023219.D

Acq: 09 Jul 2021 14:30

Tgt Ion: 42 Resp: 276

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	16.7	38.4	57.6#

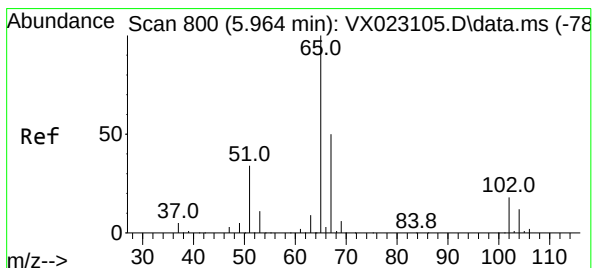
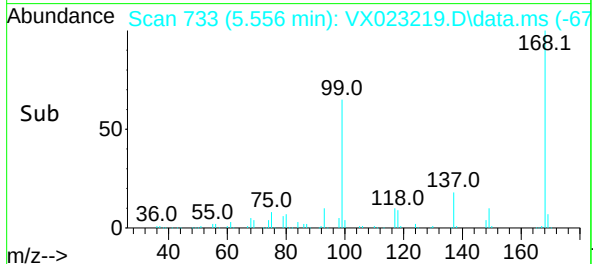
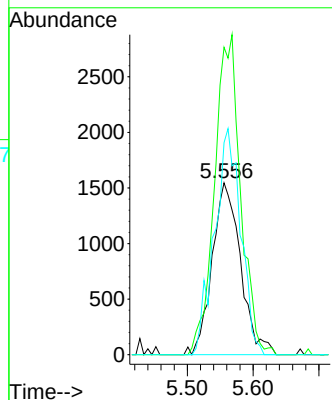
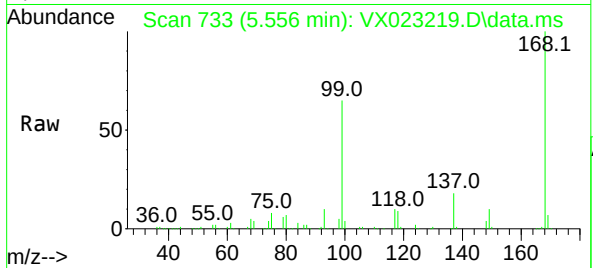




#31
Cyclohexane
Concen: 1.396 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

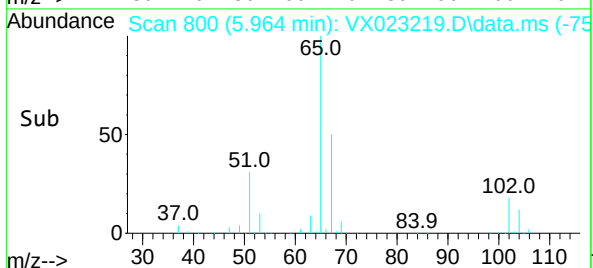
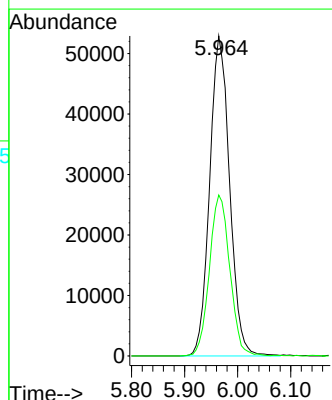
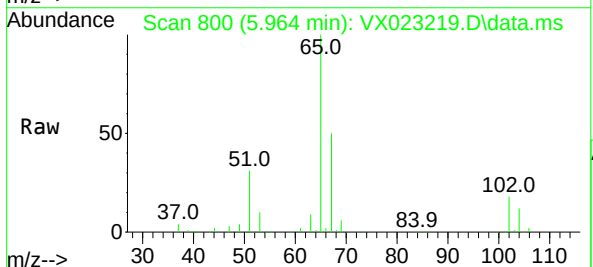
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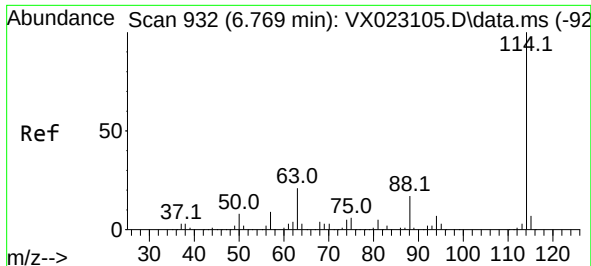
Tgt Ion: 56 Resp: 4641
Ion Ratio Lower Upper
56 100
69 178.9 25.3 37.9#
84 123.4 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.736 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 65 Resp: 138099
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

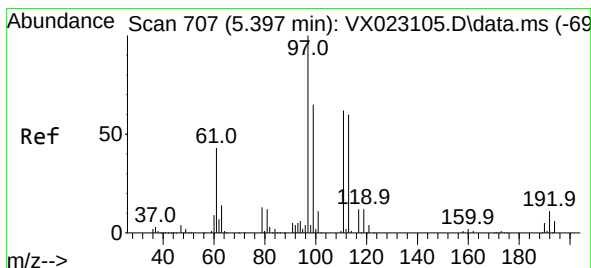
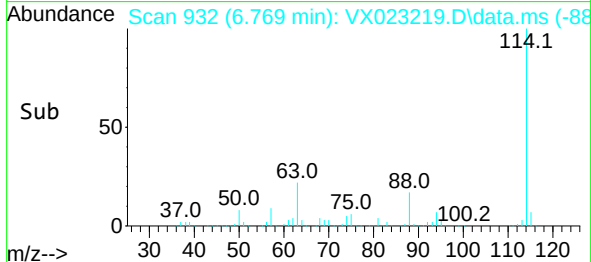
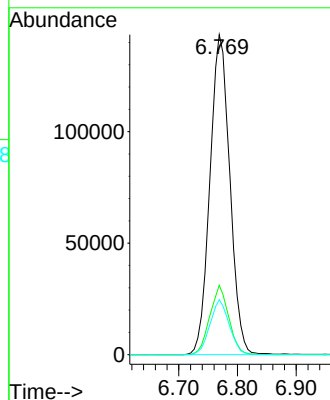
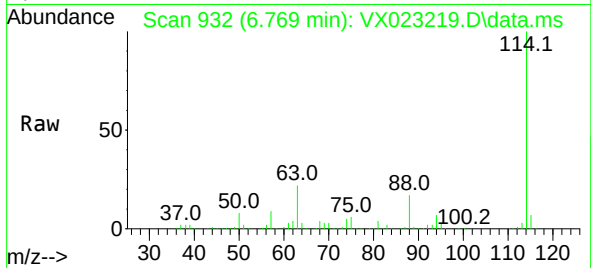




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

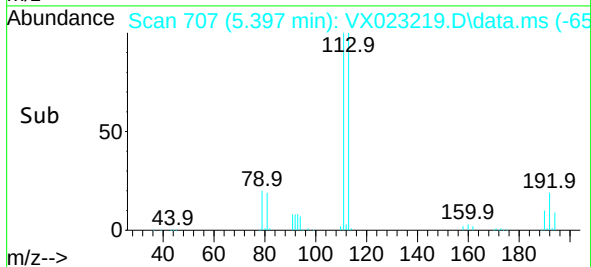
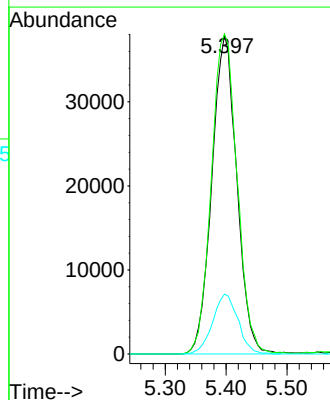
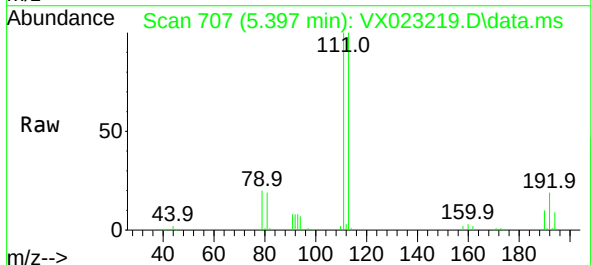
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

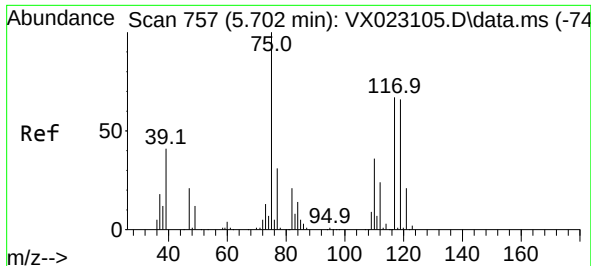
Tgt Ion:114 Resp: 338283
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.263 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion:113 Resp: 107615
Ion Ratio Lower Upper
113 100
111 104.1 81.9 122.9
192 19.1 16.7 25.1

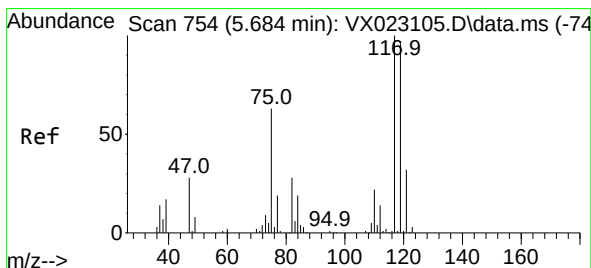
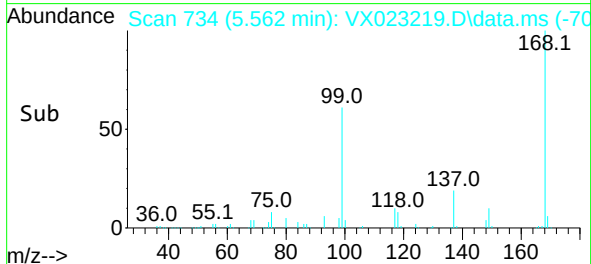
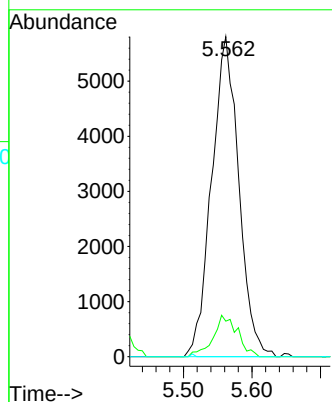
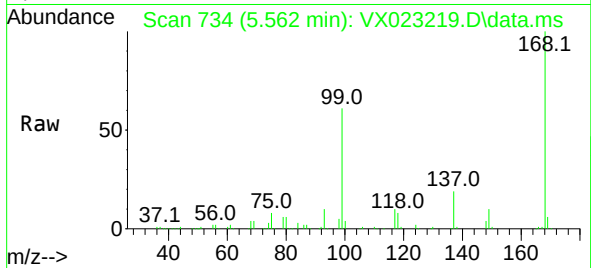




#36
1,1-Dichloropropene
Concen: 5.293 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

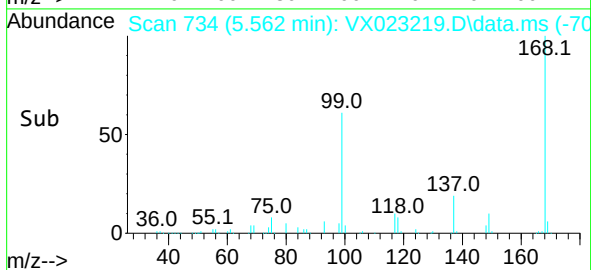
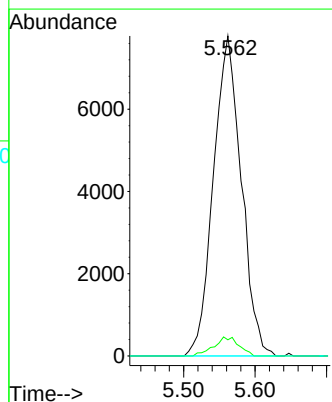
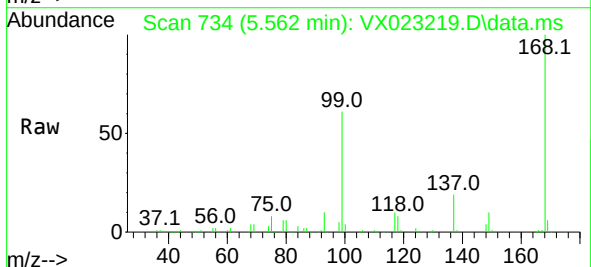
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

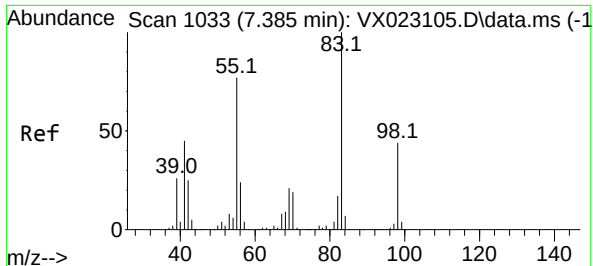
Tgt Ion: 75 Resp: 15961
Ion Ratio Lower Upper
75 100
110 11.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.687 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 117 Resp: 21049
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 2.010 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX023219.D

Acq: 09 Jul 2021 14:30

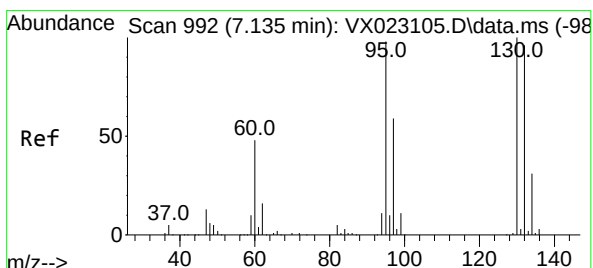
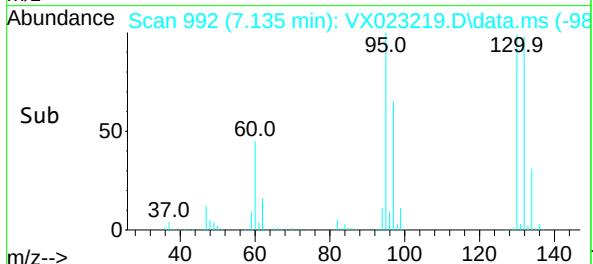
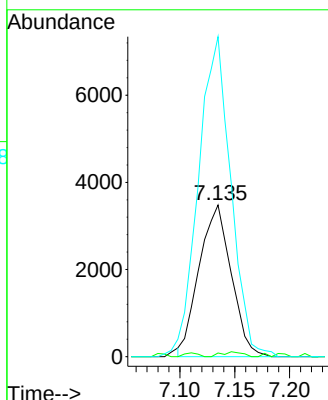
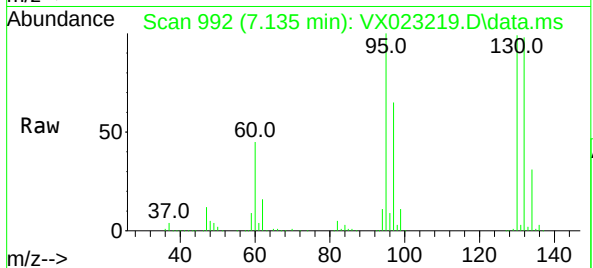
Tgt Ion: 83	Resp: 7090
Ion Ratio	Lower Upper
83 100	
55 2.4	58.9 88.3#
98 211.0	38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

MW-06-1.5-6.5-070621DL



#44

Trichloroethene

Concen: 234.096 ug/l

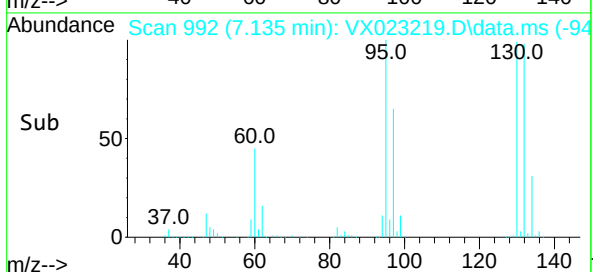
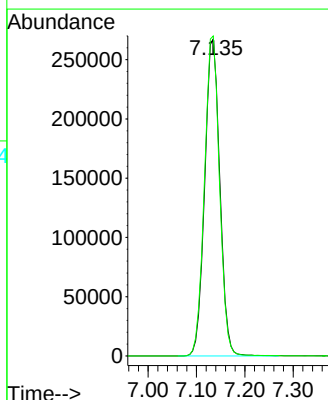
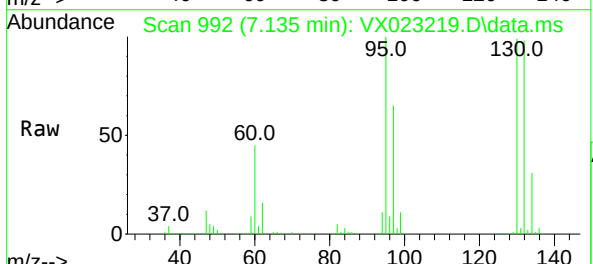
RT: 7.135 min Scan# 992

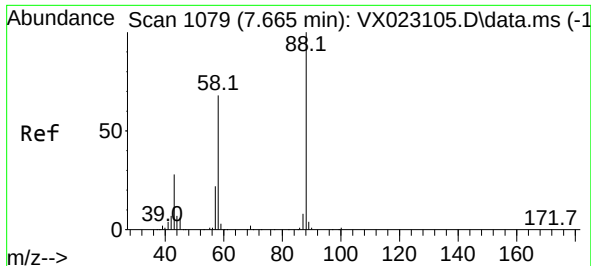
Delta R.T. -0.000 min

Lab File: VX023219.D

Acq: 09 Jul 2021 14:30

Tgt Ion: 130	Resp: 581445
Ion Ratio	Lower Upper
130 100	
95 101.0	0.0 198.0

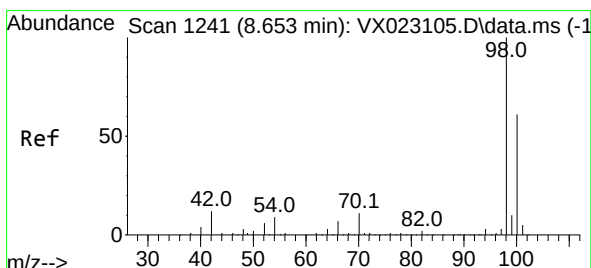
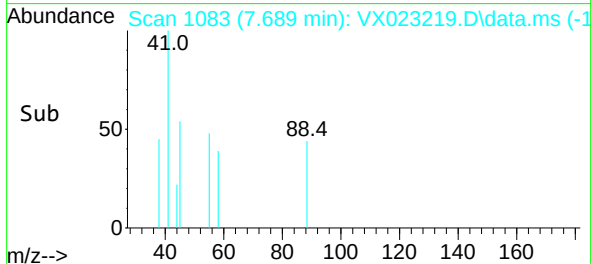
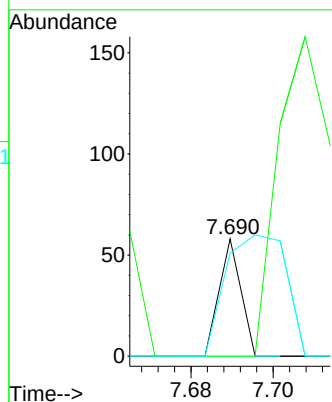
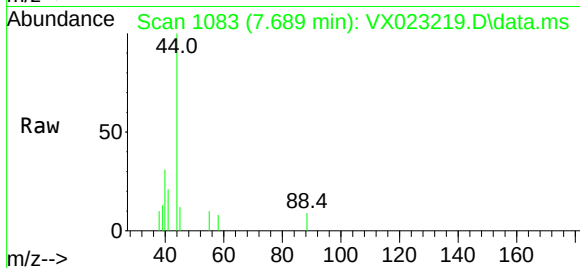




#49
1,4-Dioxane
Concen: 0.348 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.024 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

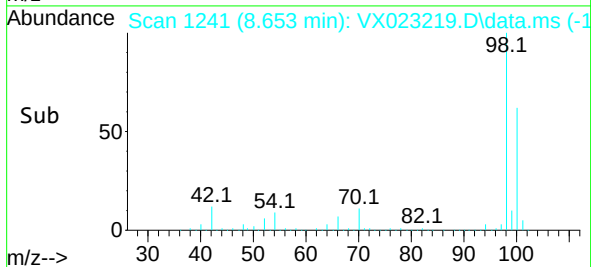
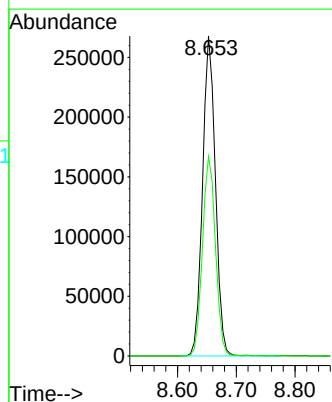
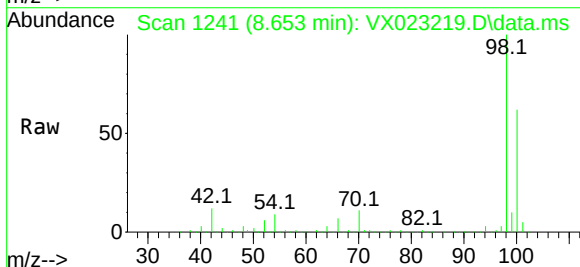
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

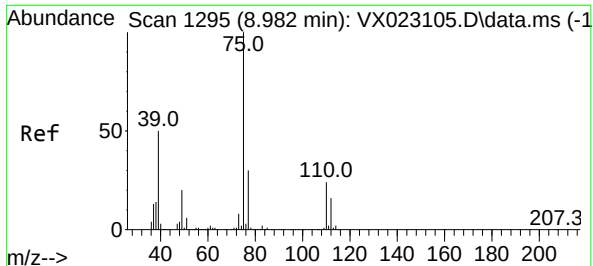
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 1090.5 23.2 34.8#
58 290.5 55.0 82.4#



#50
Toluene-d8
Concen: 49.923 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 98 Resp: 406808
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

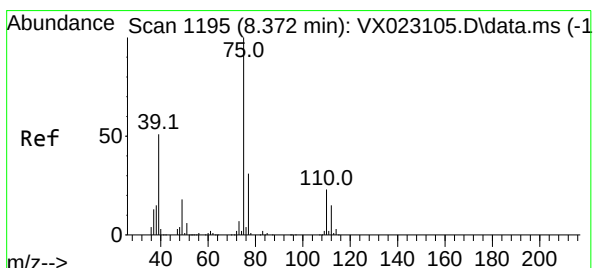
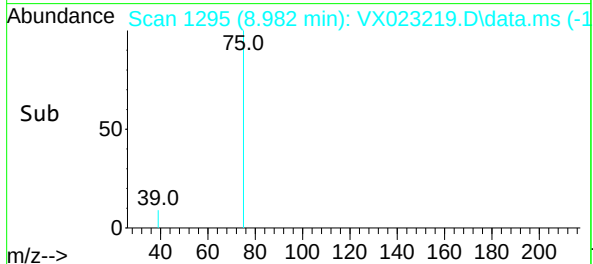
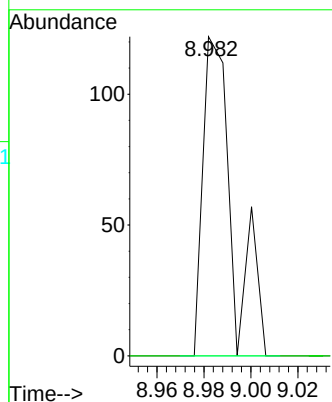
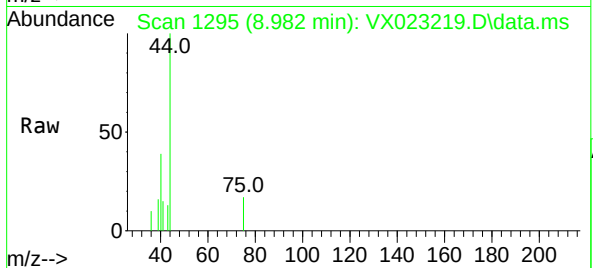




#53
t-1,3-Dichloropropene
Concen: 2.763 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

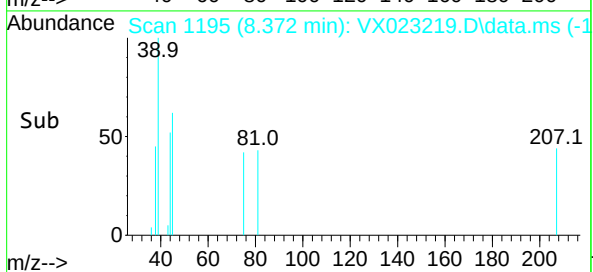
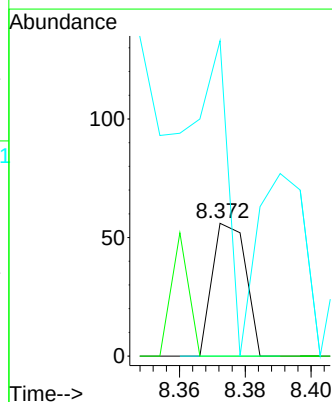
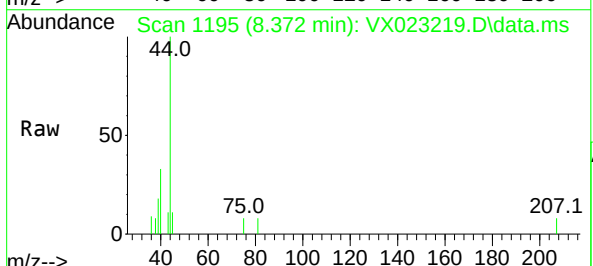
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

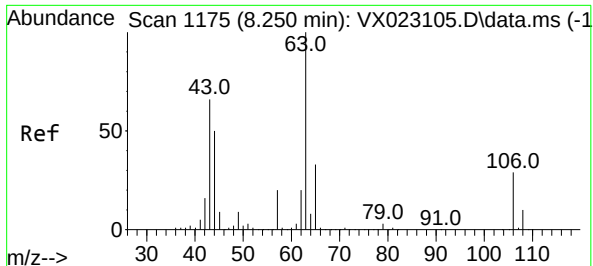
Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 2.183 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 75 Resp: 40
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 100.0 35.1 52.7#

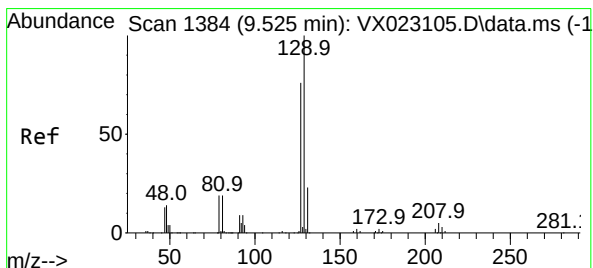
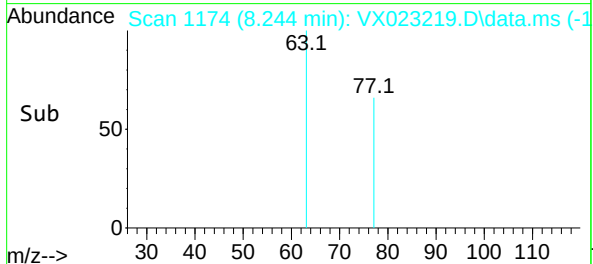
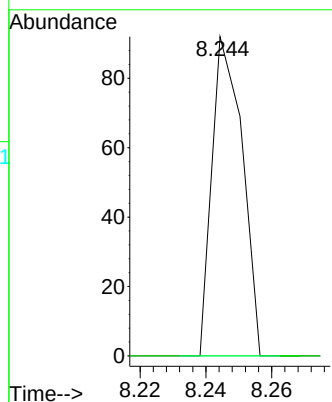
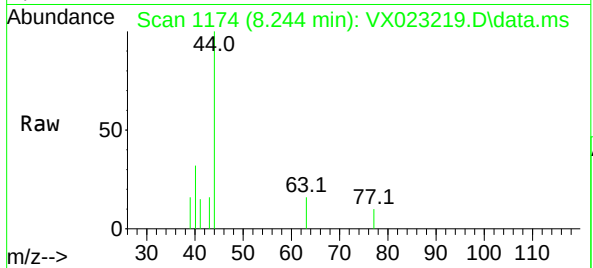




#58
2-Chloroethyl Vinyl ether
Concen: 4.719 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.006 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

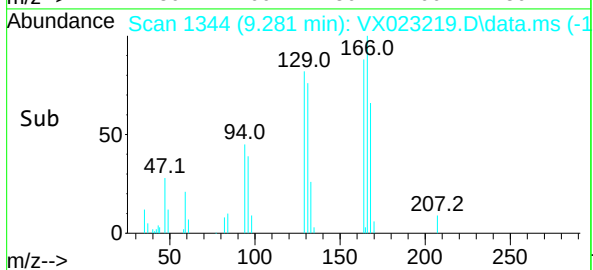
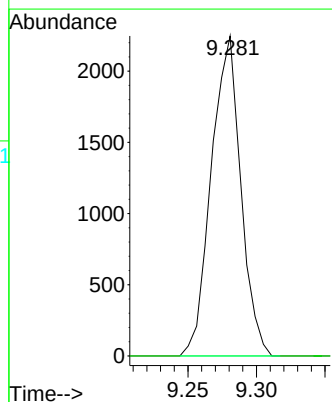
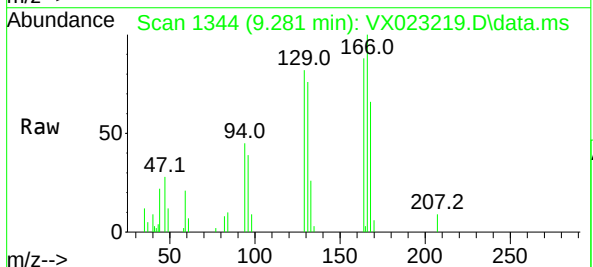
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

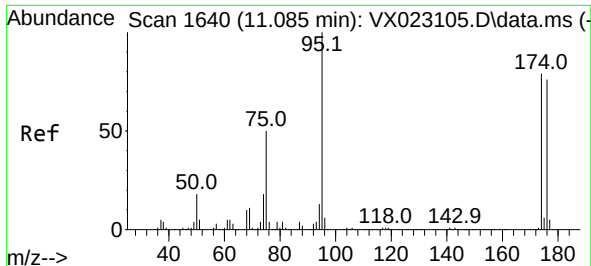
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#60
Dibromochloromethane
Concen: 4.301 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion: 129 Resp: 3367
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

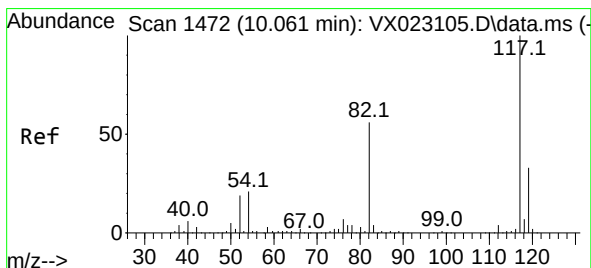
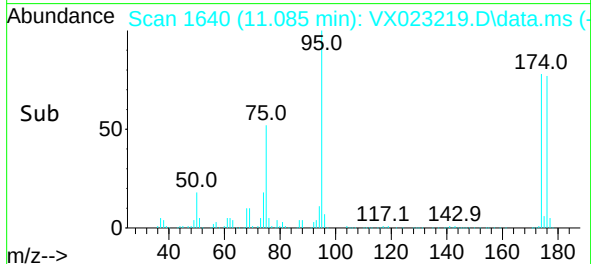
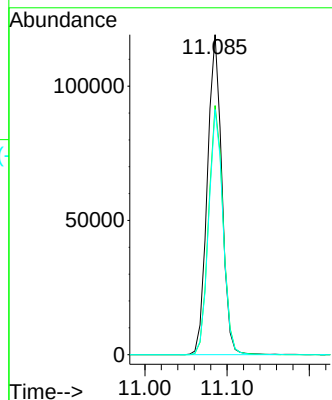
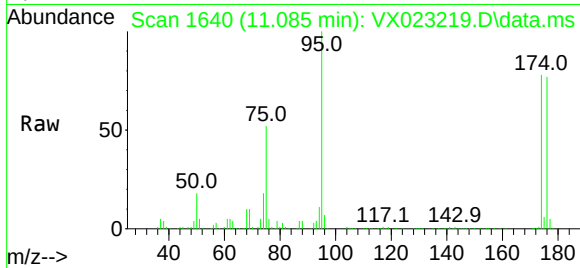




#62
4-Bromofluorobenzene
Concen: 46.180 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

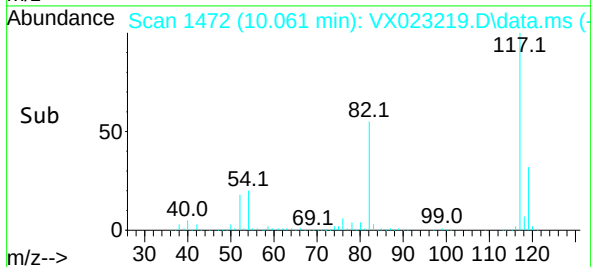
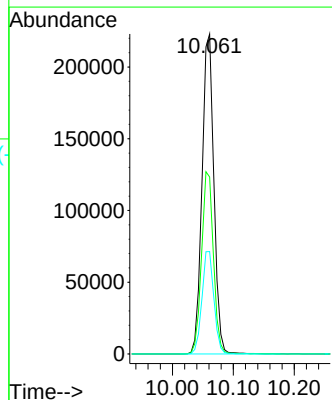
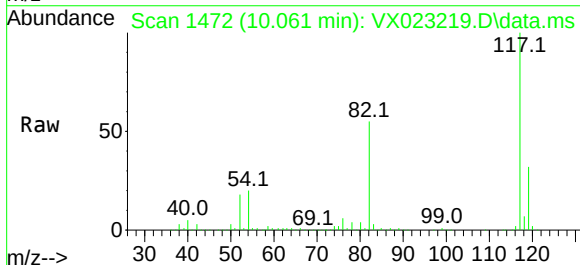
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

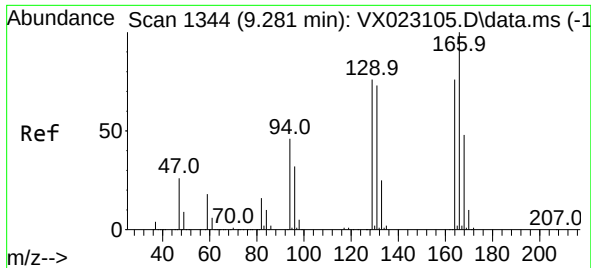
Tgt Ion: 95 Resp: 145274
Ion Ratio Lower Upper
95 100
174 77.8 0.0 154.6
176 76.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

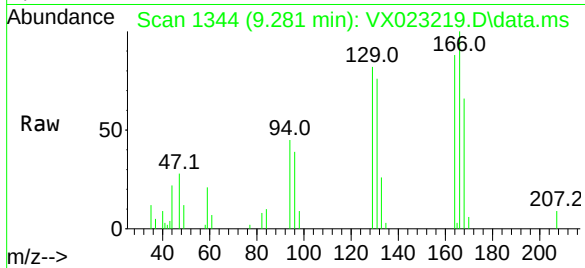
Tgt Ion: 117 Resp: 302085
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 32.0 26.6 39.8



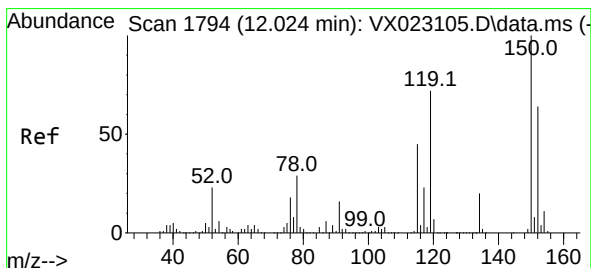
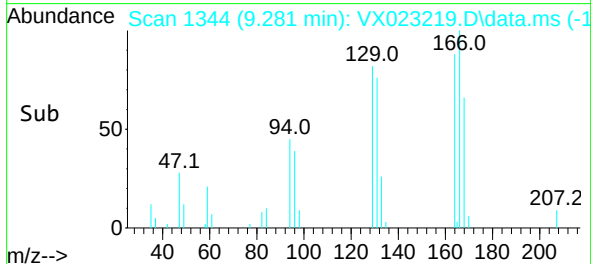
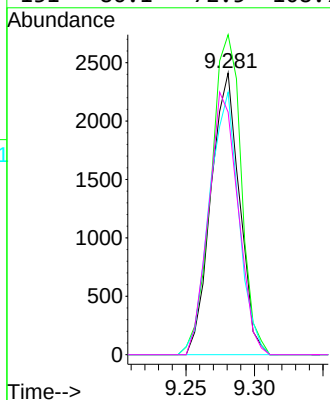


#64
Tetrachloroethene
Concen: 1.446 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

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

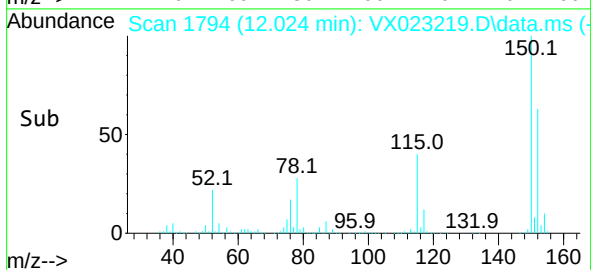
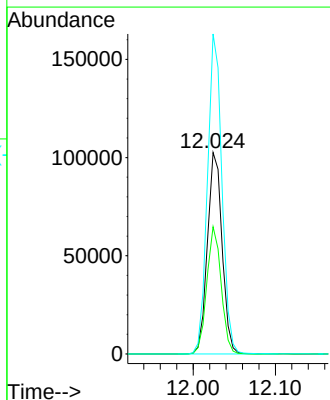
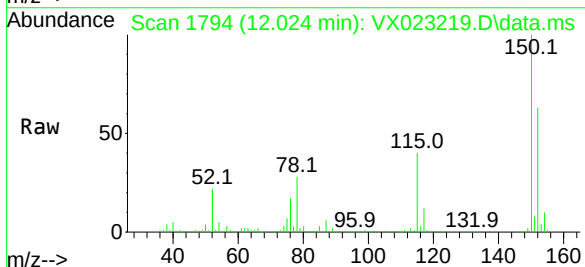


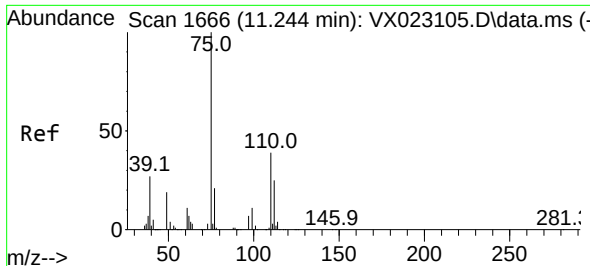
Tgt Ion:164	Resp:	3485
Ion	Ratio	Lower Upper
164	100	
166	113.6	103.4 155.2
129	93.2	70.8 106.2
131	86.1	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

Tgt Ion:152	Resp:	127292
Ion	Ratio	Lower Upper
152	100	
115	61.6	41.1 123.3
150	156.3	0.0 349.0

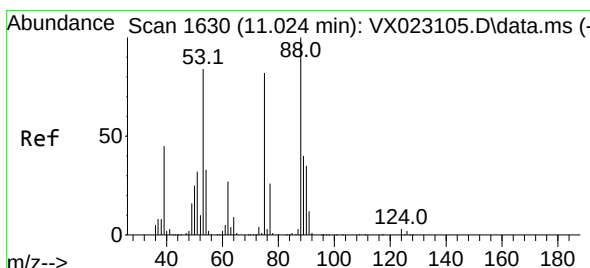
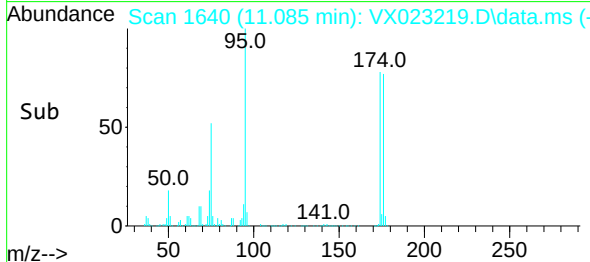
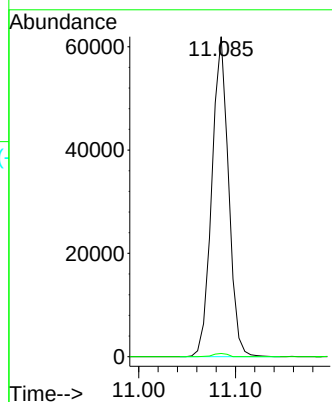
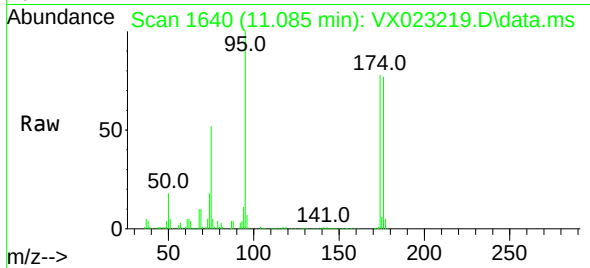




#76
1,2,3-Trichloropropane
Concen: 29.005 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

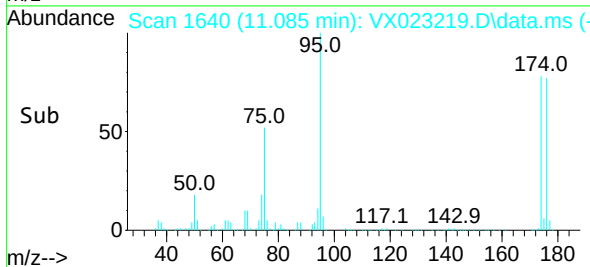
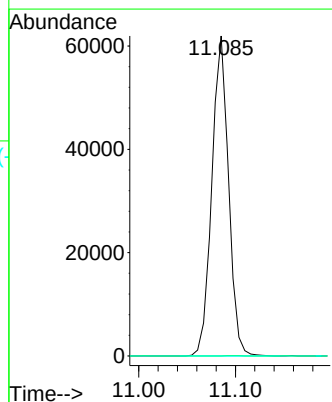
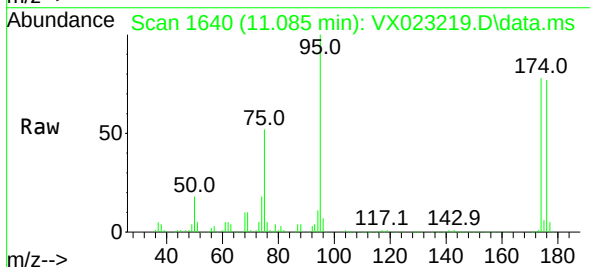
Instrument :
MSVOA_X
ClientSampleId :
MW-06-1.5-6.5-070621DL

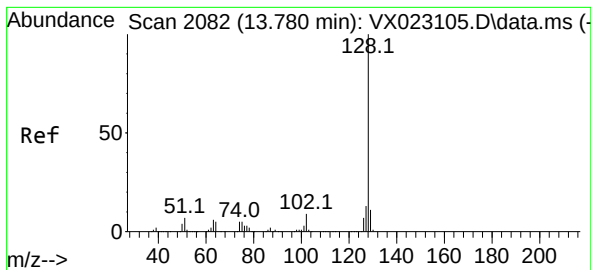
Tgt Ion: 75 Resp: 74297
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.036 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

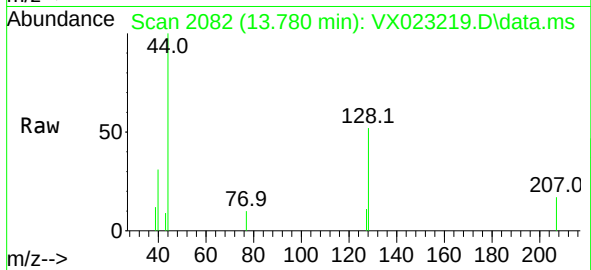
Tgt Ion: 75 Resp: 74297
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.318 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023219.D
Acq: 09 Jul 2021 14:30

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



Tgt Ion:128 Resp: 417
Ion Ratio Lower Upper
128 100
127 6.5 10.3 15.5#
129 0.0 8.8 13.2#

