

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029880.D
 Acq On : 29 Jun 2022 23:47
 Operator : JC/MD
 Sample : N3481-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Jun 30 06:25:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

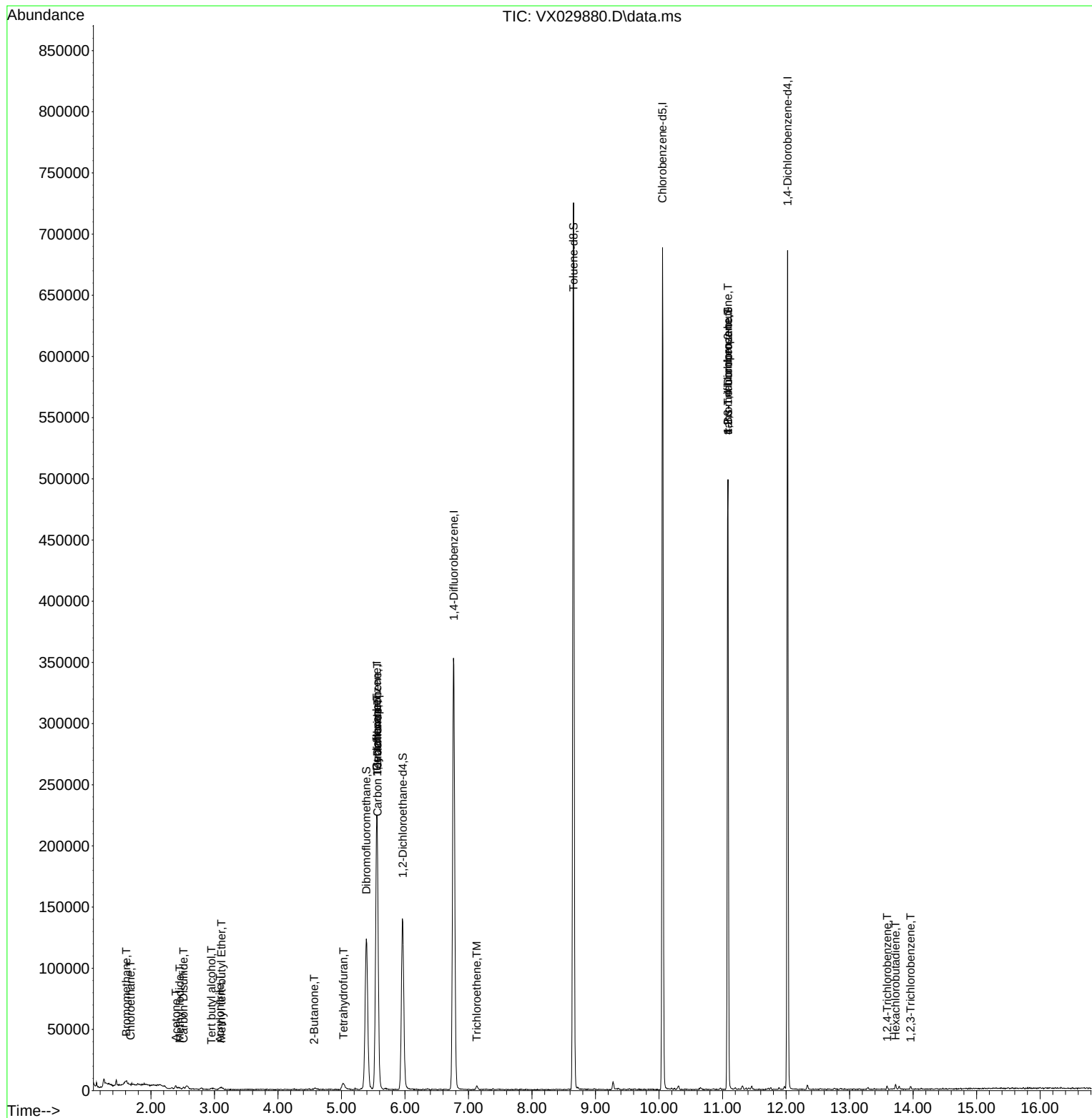
Internal Standards						
1) Pentafluorobenzene	5.556	168	225156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	380649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	121051	42.473	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.940%
35) Dibromofluoromethane	5.391	113	110235	46.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.680%
50) Toluene-d8	8.653	98	431738	48.378	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.760%
62) 4-Bromofluorobenzene	11.085	95	139370	44.180	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.360%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	378	0.273	ug/l #	80
6) Chloroethane	1.679	64	694	1.403	ug/l #	41
10) Methyl Iodide	2.453	142	1131	2.225	ug/l #	86
11) Tert butyl alcohol	2.953	59	766	1.028	ug/l #	74
13) Acrolein	2.221	56	94	Below Cal	#	1
15) Acrylonitrile	3.087	53	460	0.264	ug/l #	77
16) Acetone	2.392	43	3204	2.298	ug/l	91
17) Carbon Disulfide	2.514	76	2305	0.400	ug/l #	93
19) Methyl tert-butyl Ether	3.111	73	1627	0.208	ug/l #	85
25) 2-Butanone	4.568	43	1030	0.426	ug/l #	81
29) Tetrahydrofuran	5.032	42	5457	3.426	ug/l	96
31) Cyclohexane	5.556	56	4464	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	16790	5.307	ug/l #	49
38) Carbon Tetrachloride	5.568	117	20399	7.441	ug/l #	16
44) Trichloroethene	7.129	130	1115	0.405	ug/l	72
76) 1,2,3-Trichloropropane	11.085	75	66534	20.452	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	66534	64.950	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	771	0.285	ug/l	81
94) Hexachlorobutadiene	13.725	225	667	0.667	ug/l	76
96) 1,2,3-Trichlorobenzene	13.963	180	602	0.218	ug/l	93

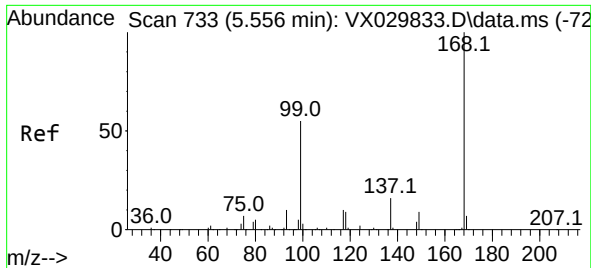
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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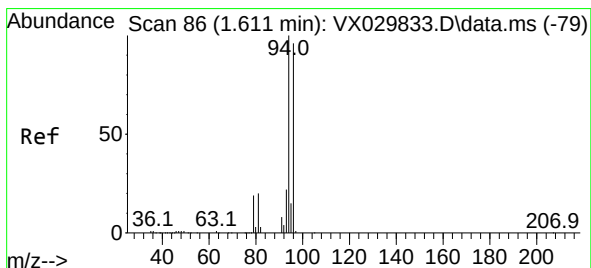
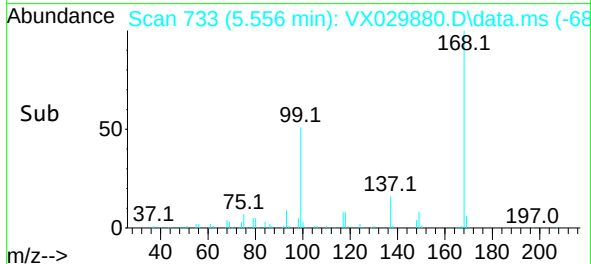
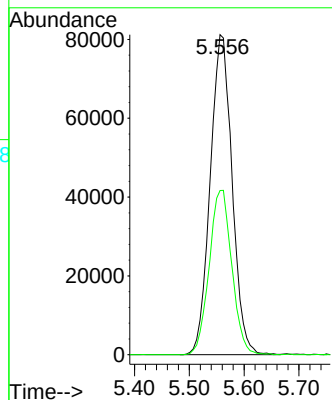
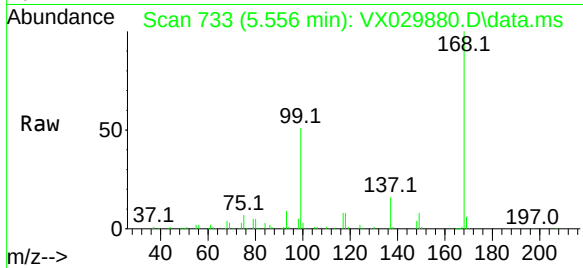




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

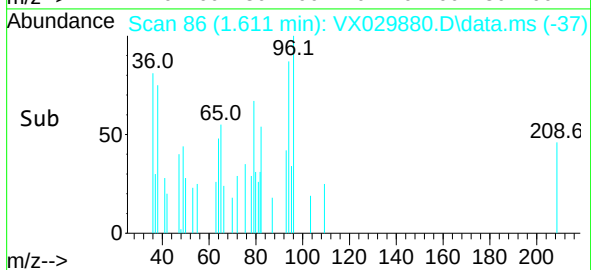
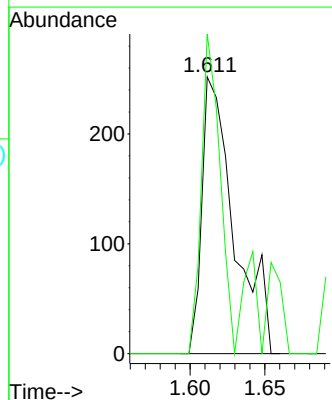
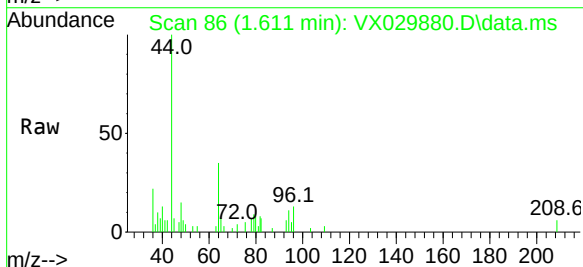
Instrument :
MSVOA_X
ClientSampleId :
MW-8

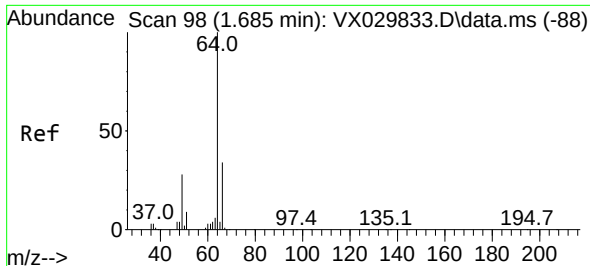
Tgt Ion:168 Resp: 225156
Ion Ratio Lower Upper
168 100
99 51.3 44.0 66.0



#5
Bromomethane
Concen: 0.273 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 115.5 76.9 115.3#

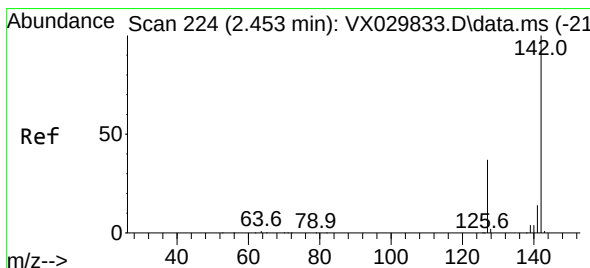
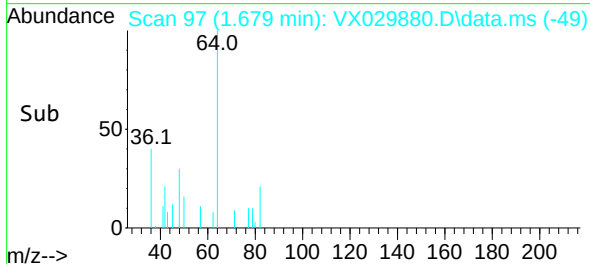
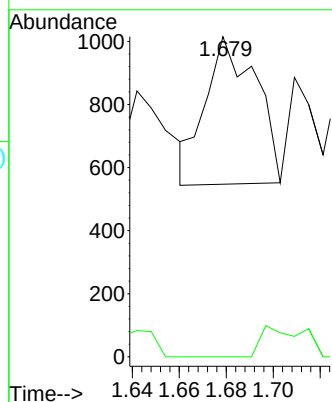
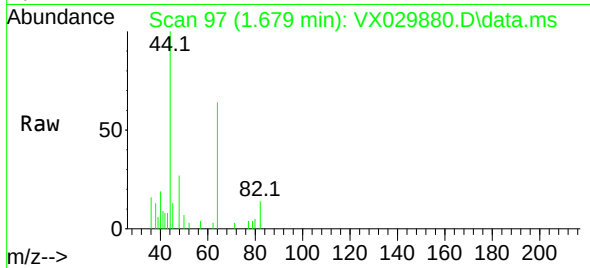




#6
 Chloroethane
 Concen: 1.403 ug/l
 RT: 1.679 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX029880.D
 Acq: 29 Jun 2022 23:47

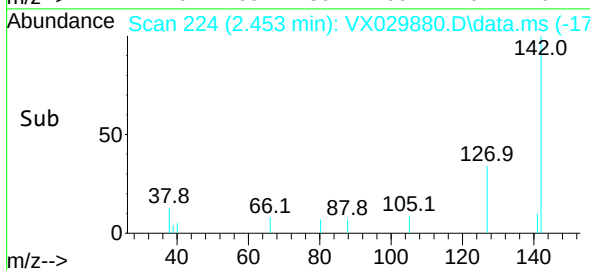
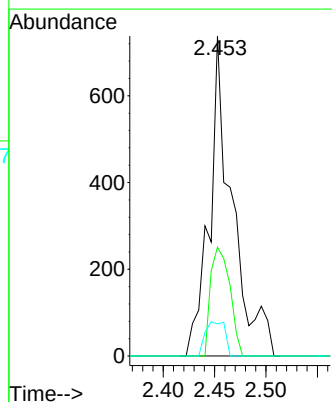
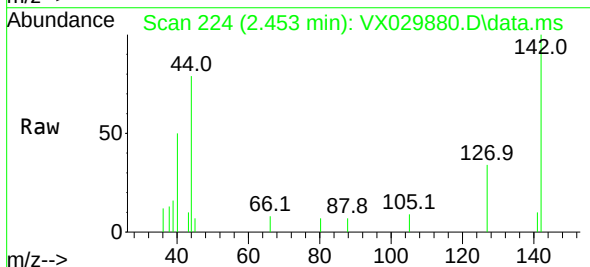
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

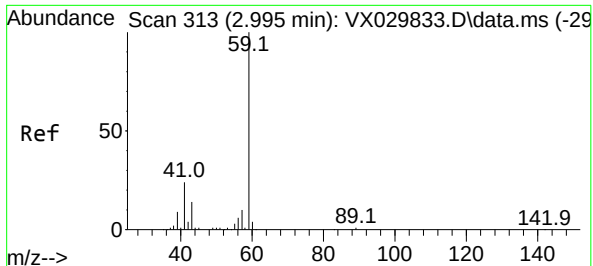
Tgt Ion: 64 Resp: 694
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#



#10
 Methyl Iodide
 Concen: 2.225 ug/l
 RT: 2.453 min Scan# 224
 Delta R.T. -0.000 min
 Lab File: VX029880.D
 Acq: 29 Jun 2022 23:47

Tgt Ion: 142 Resp: 1131
 Ion Ratio Lower Upper
 142 100
 127 28.7 30.2 45.2#
 141 9.3 11.3 16.9#

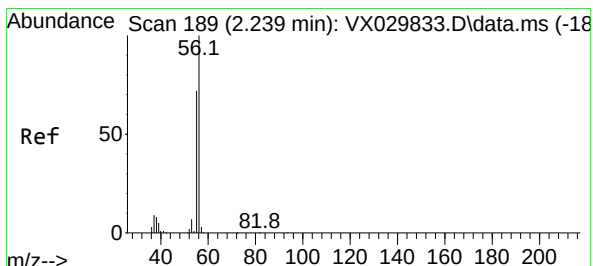
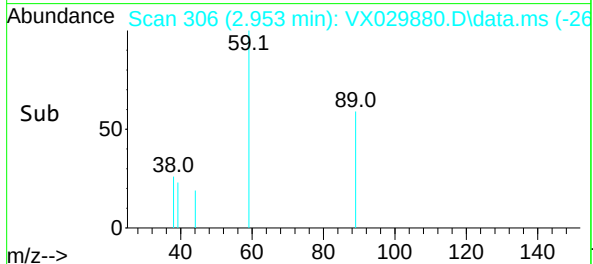
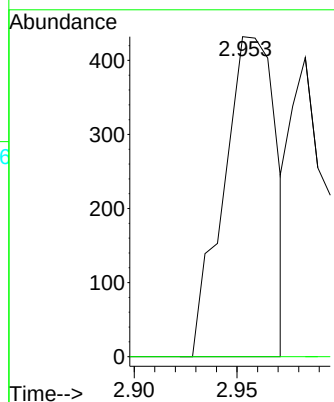
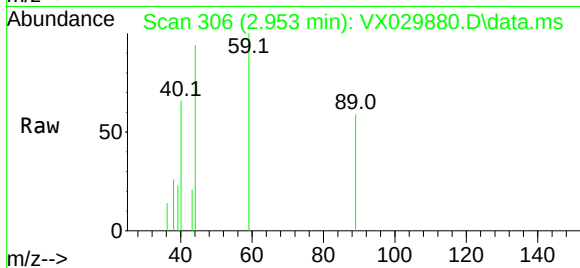




#11
Tert butyl alcohol
Concen: 1.028 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

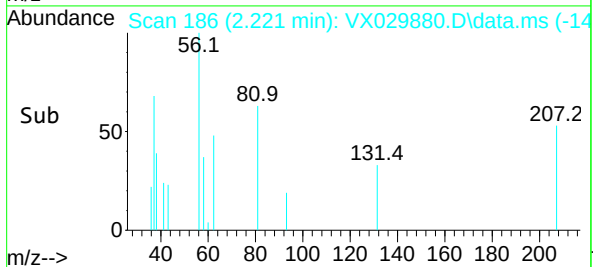
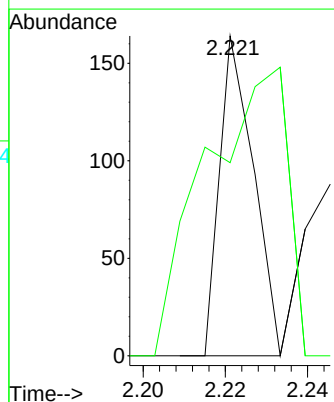
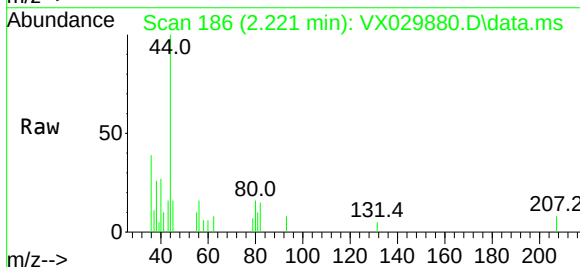
Instrument :
MSVOA_X
ClientSampleId :
MW-8

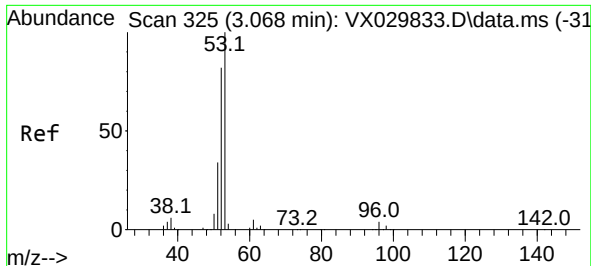
Tgt Ion: 59 Resp: 766
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 218.1 56.6 84.8#





#15

Acrylonitrile

Concen: 0.264 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX029880.D

Acq: 29 Jun 2022 23:47

Instrument :

MSVOA_X

ClientSampleId :

MW-8

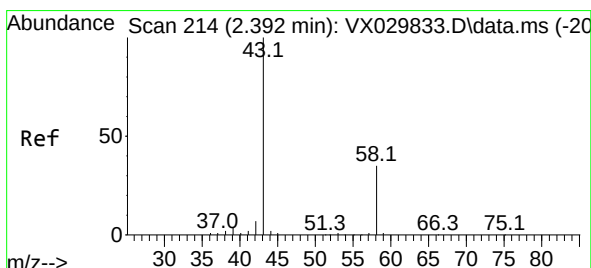
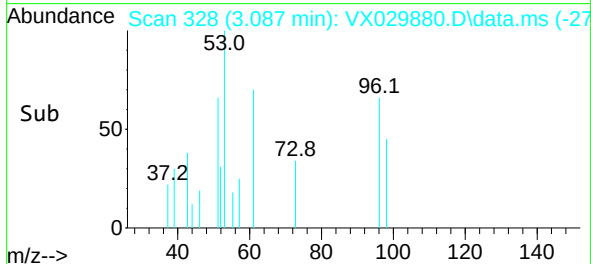
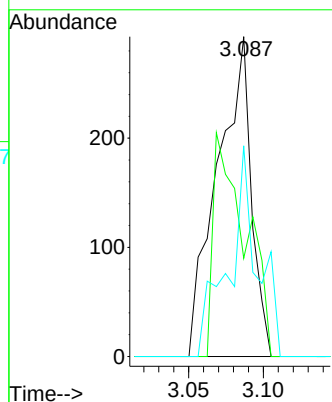
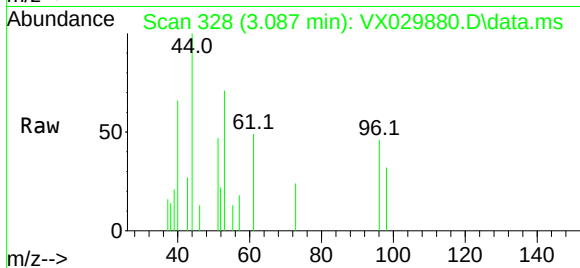
Tgt Ion: 53 Resp: 460

Ion Ratio Lower Upper

53 100

52 66.1 65.4 98.0

51 56.1 27.7 41.5#



#16

Acetone

Concen: 2.298 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX029880.D

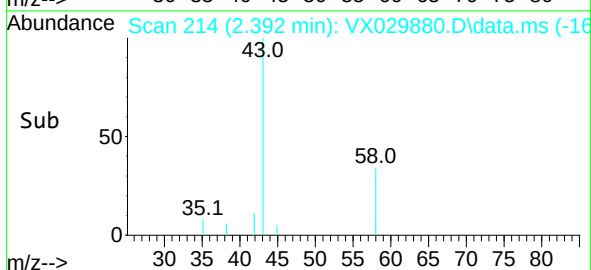
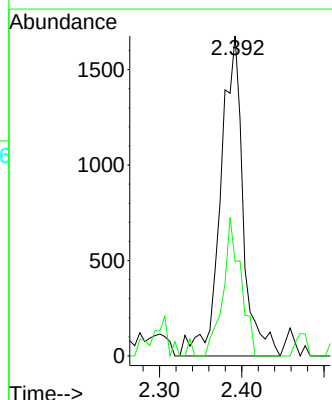
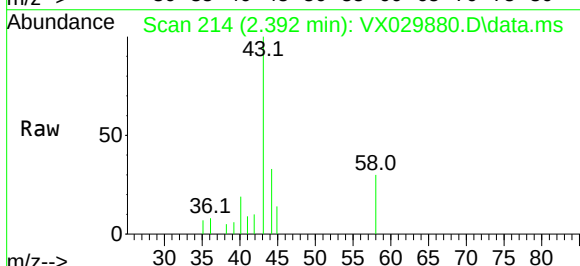
Acq: 29 Jun 2022 23:47

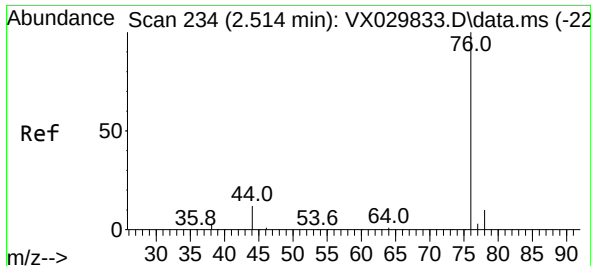
Tgt Ion: 43 Resp: 3204

Ion Ratio Lower Upper

43 100

58 29.6 27.7 41.5

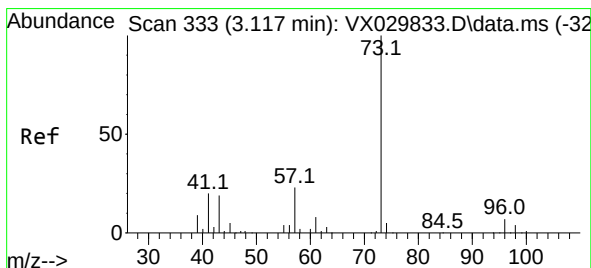
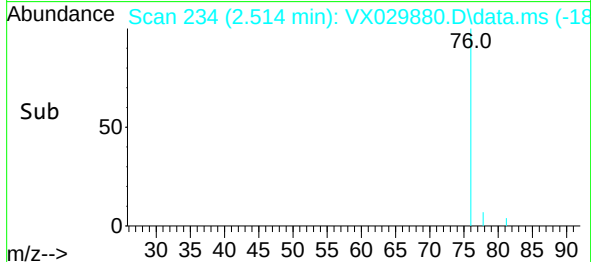
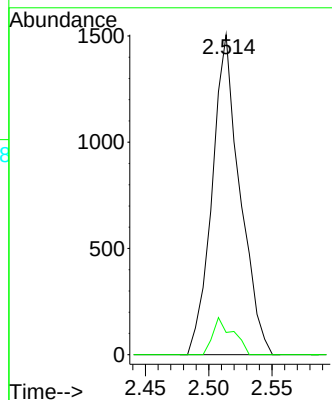
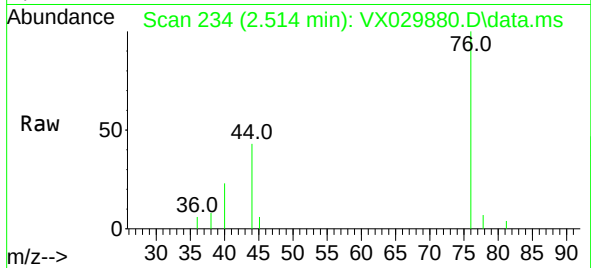




#17
Carbon Disulfide
Concen: 0.400 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

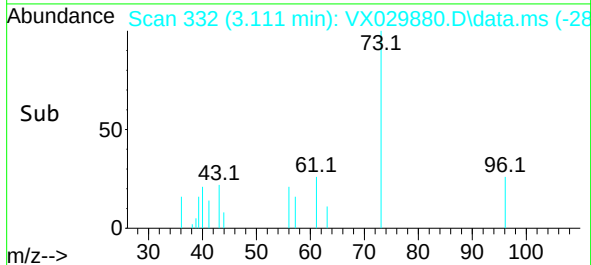
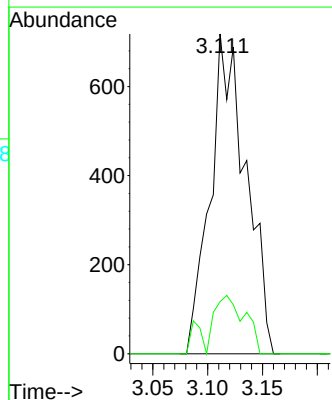
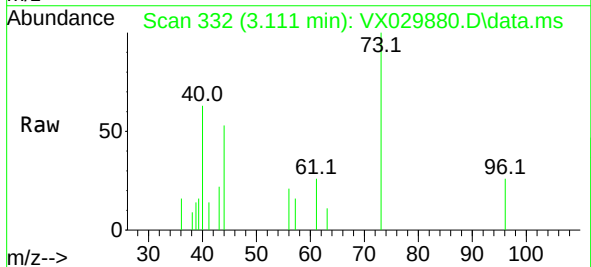
Instrument :
MSVOA_X
ClientSampleId :
MW-8

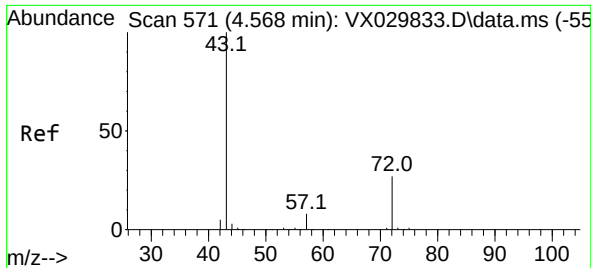
Tgt Ion: 76 Resp: 2305
Ion Ratio Lower Upper
76 100
78 7.0 7.8 11.6#



#19
Methyl tert-butyl Ether
Concen: 0.208 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 73 Resp: 1627
Ion Ratio Lower Upper
73 100
57 16.3 19.0 28.6#

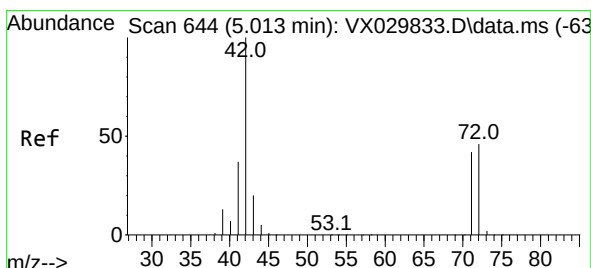
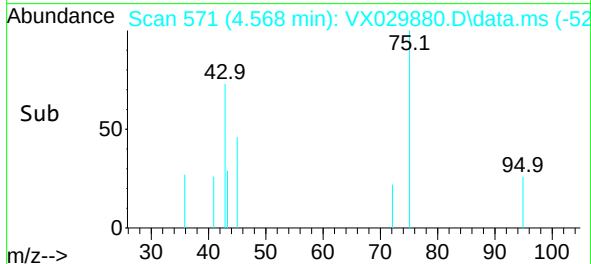
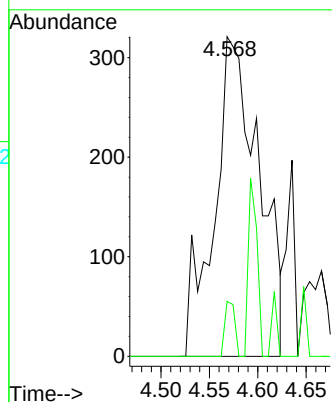
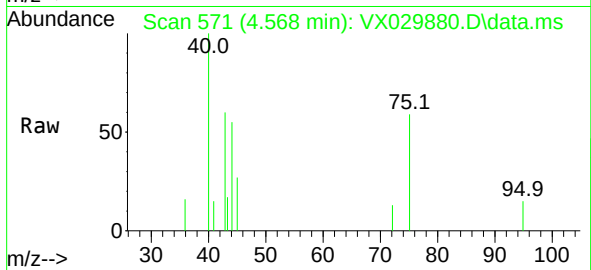




#25
2-Butanone
Concen: 0.426 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

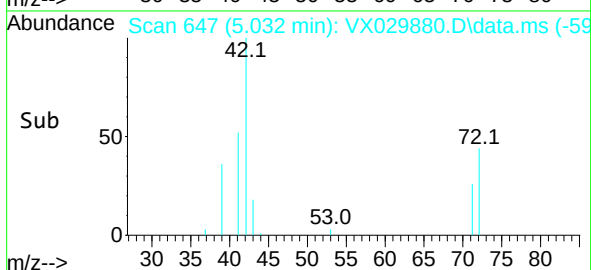
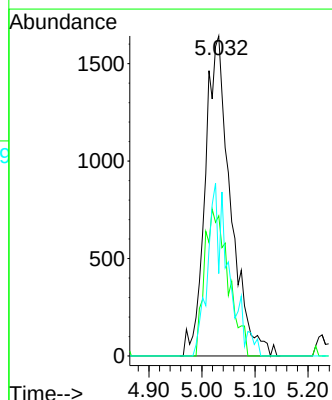
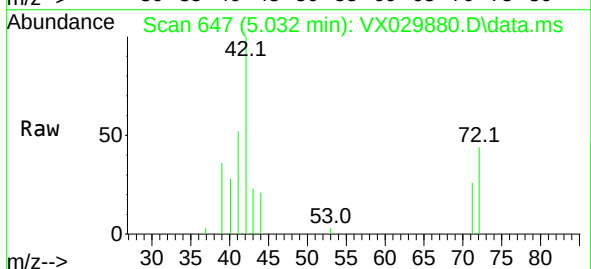
Instrument :
MSVOA_X
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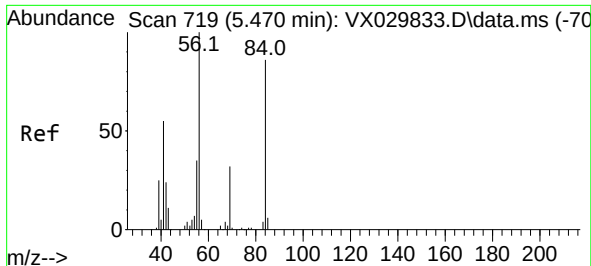
Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
72 17.1 21.7 32.5#



#29
Tetrahydrofuran
Concen: 3.426 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 42 Resp: 5457
Ion Ratio Lower Upper
42 100
72 43.0 36.5 54.7
71 45.0 33.9 50.9

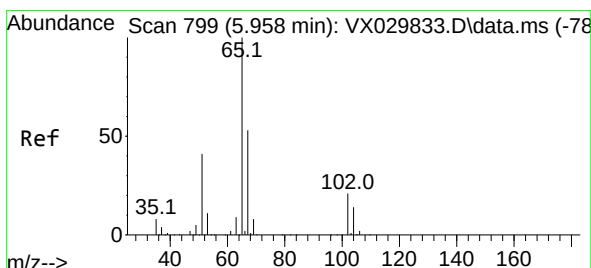
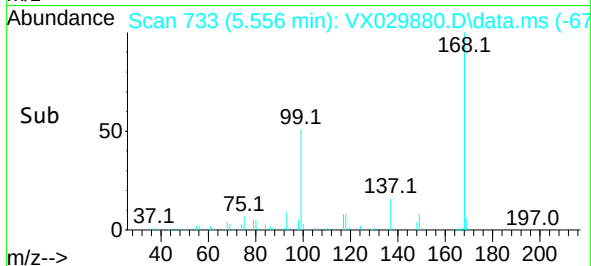
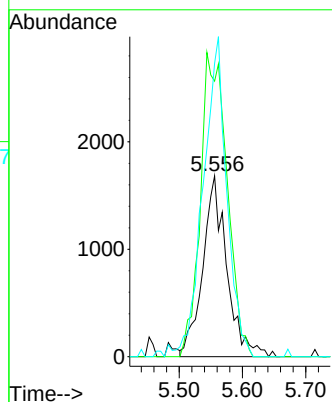
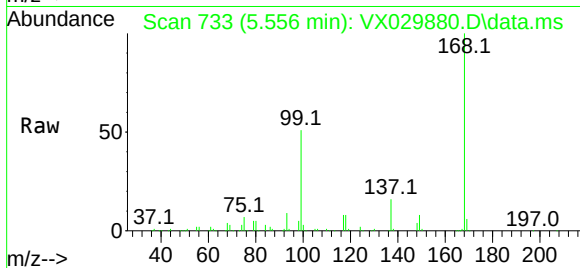




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

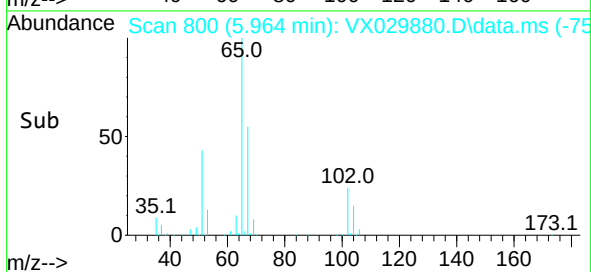
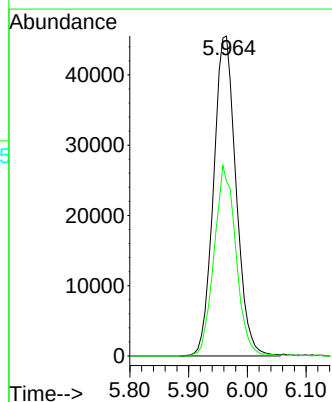
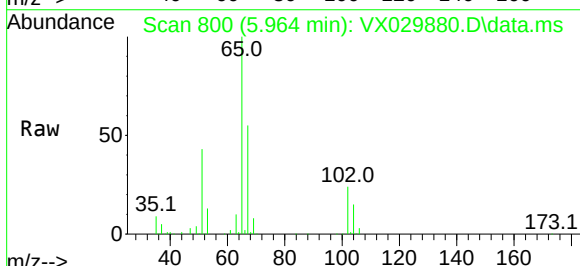
Instrument :
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ClientSampleId :
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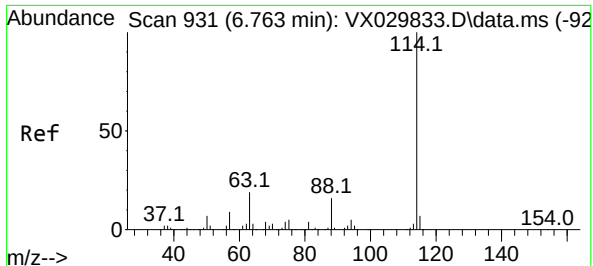
Tgt Ion: 56 Resp: 4464
Ion Ratio Lower Upper
56 100
69 152.3 25.4 38.0#
84 162.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 42.473 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 65 Resp: 121051
Ion Ratio Lower Upper
65 100
67 57.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX029880.D

Acq: 29 Jun 2022 23:47

Instrument :

MSVOA_X

ClientSampleId :

MW-8

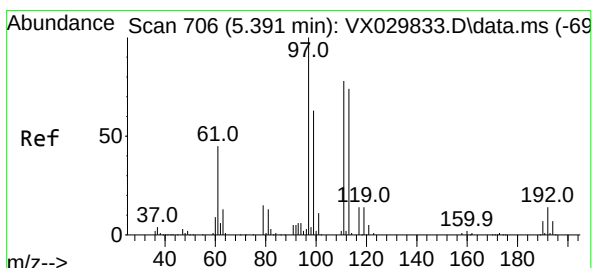
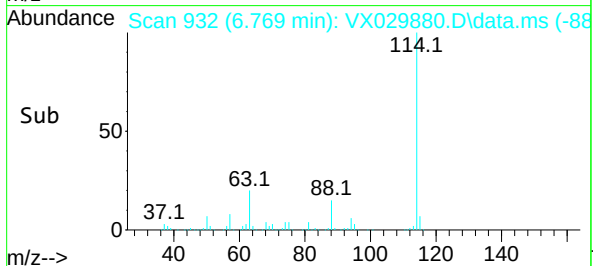
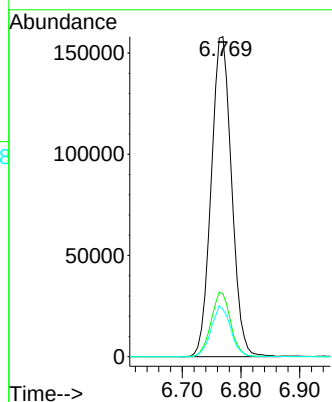
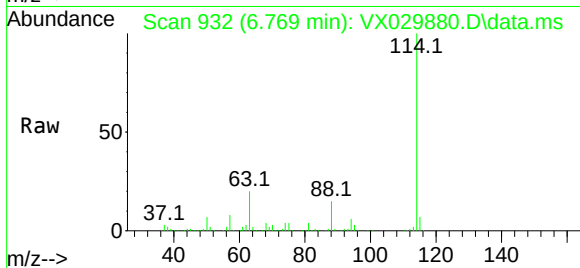
Tgt Ion:114 Resp: 380649

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.339 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029880.D

Acq: 29 Jun 2022 23:47

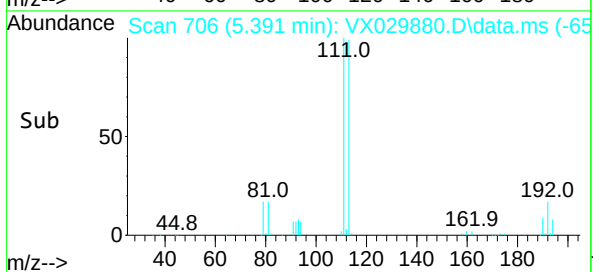
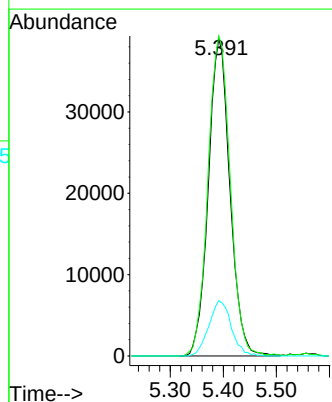
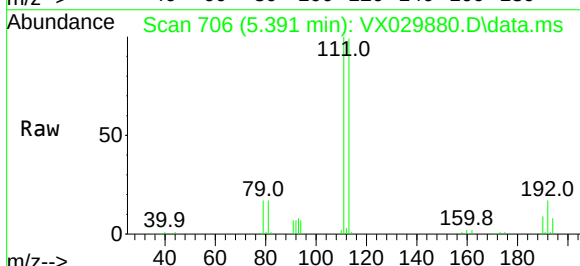
Tgt Ion:113 Resp: 110235

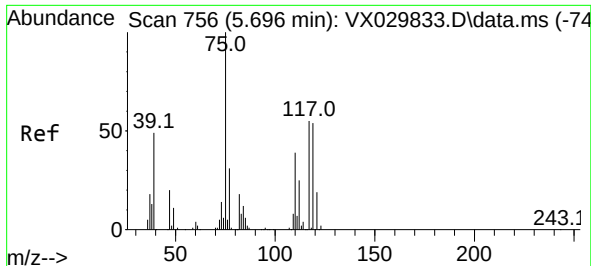
Ion Ratio Lower Upper

113 100

111 104.3 83.2 124.8

192 18.2 14.8 22.2

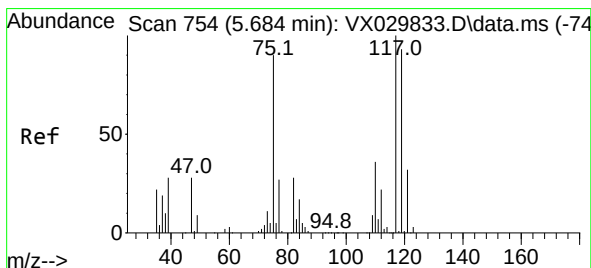
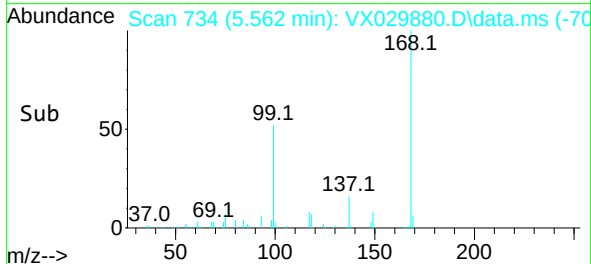
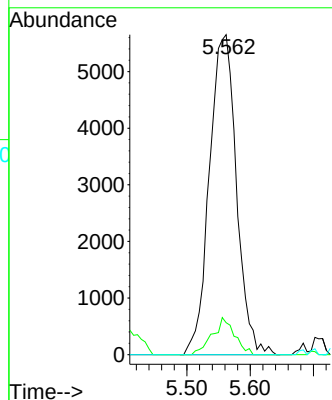
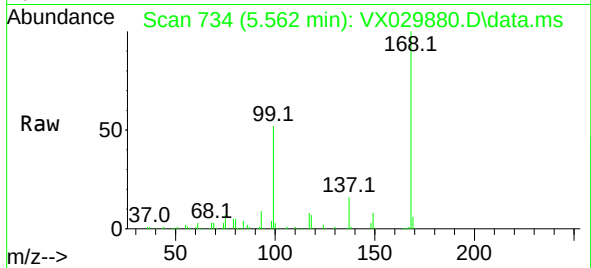




#36
1,1-Dichloropropene
Concen: 5.307 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

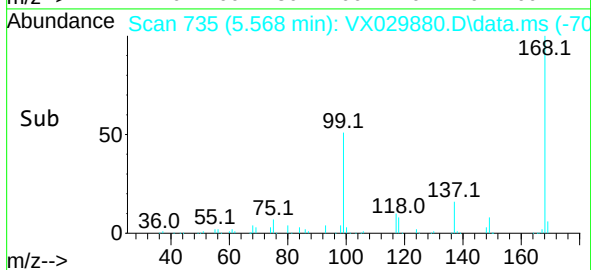
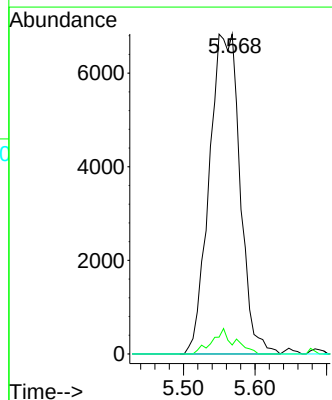
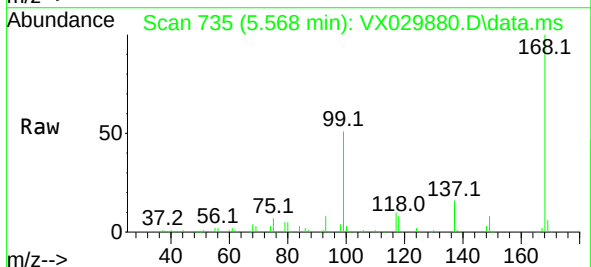
Instrument :
MSVOA_X
ClientSampleId :
MW-8

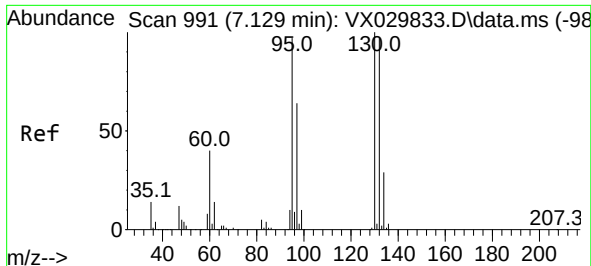
Tgt Ion: 75 Resp: 16790
Ion Ratio Lower Upper
75 100
110 9.5 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.441 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 117 Resp: 20399
Ion Ratio Lower Upper
117 100
119 2.8 74.1 111.1#
121 0.0 25.8 38.8#

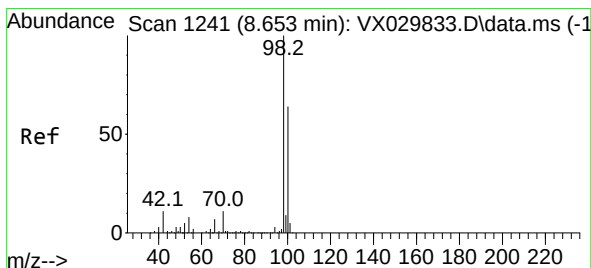
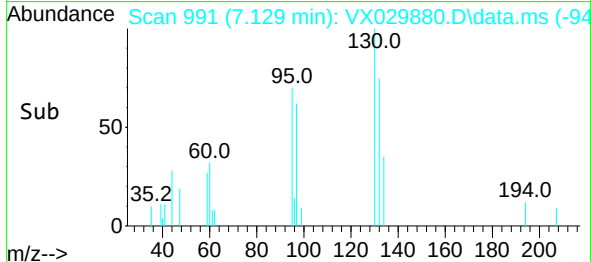
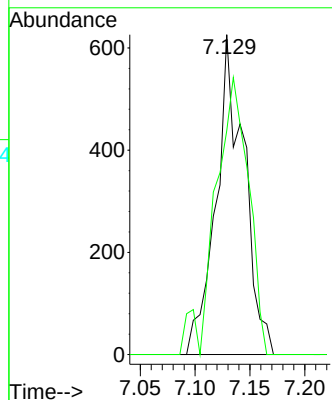
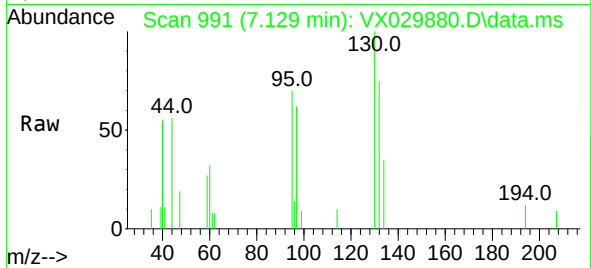




#44
 Trichloroethene
 Concen: 0.405 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.000 min
 Lab File: VX029880.D
 Acq: 29 Jun 2022 23:47

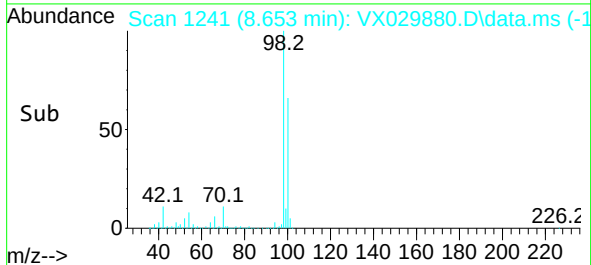
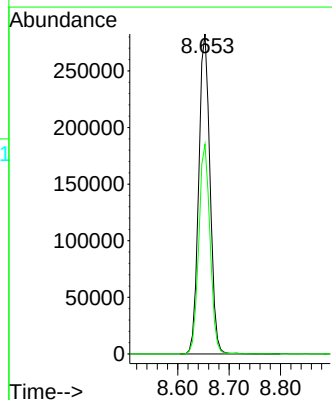
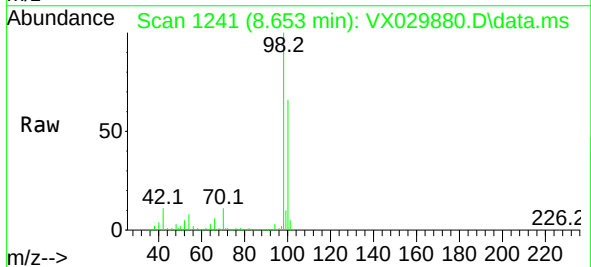
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

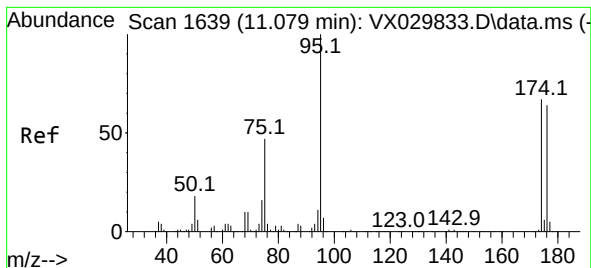
Tgt Ion:130 Resp: 1115
 Ion Ratio Lower Upper
 130 100
 95 70.0 0.0 194.8



#50
 Toluene-d8
 Concen: 48.378 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.000 min
 Lab File: VX029880.D
 Acq: 29 Jun 2022 23:47

Tgt Ion: 98 Resp: 431738
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.3 78.5

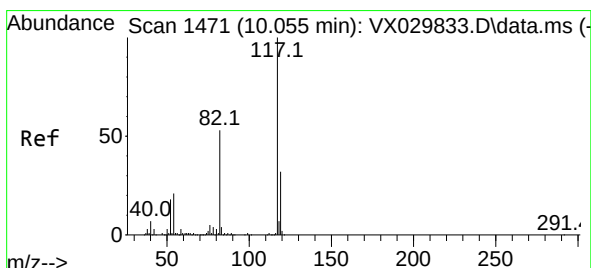
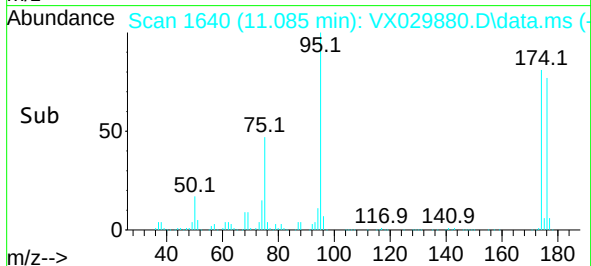
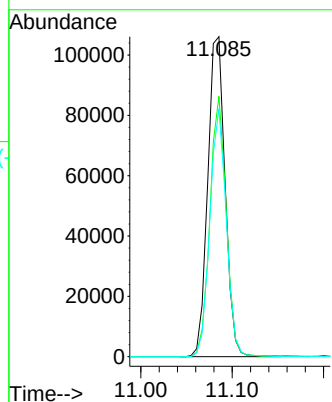
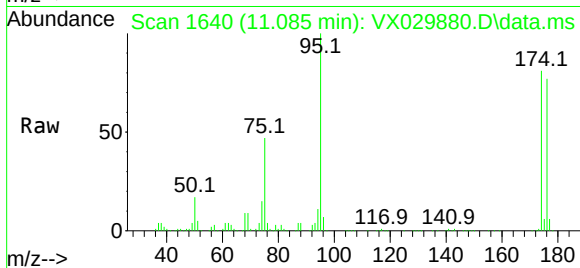




#62
4-Bromofluorobenzene
Concen: 44.180 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

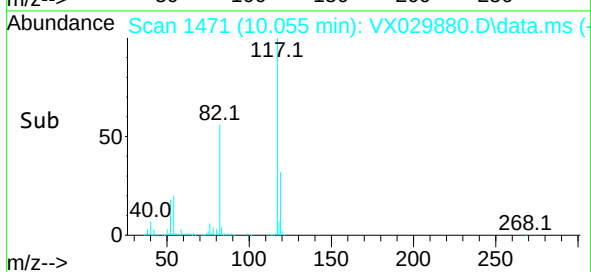
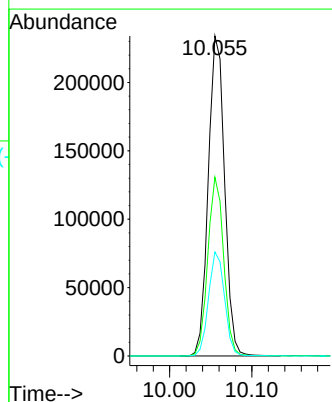
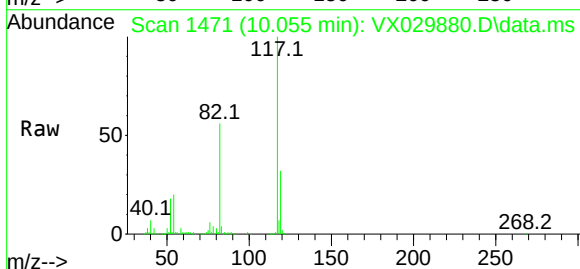
Instrument :
MSVOA_X
ClientSampleId :
MW-8

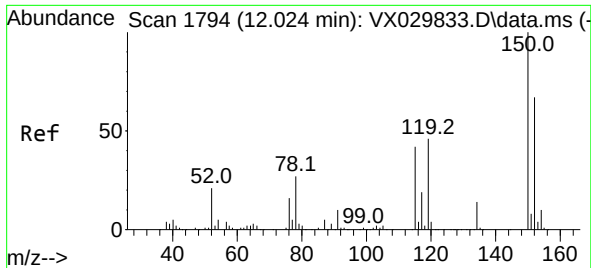
Tgt Ion: 95 Resp: 139370
Ion Ratio Lower Upper
95 100
174 76.8 0.0 149.0
176 73.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 117 Resp: 322988
Ion Ratio Lower Upper
117 100
82 55.8 42.7 64.1
119 32.5 25.4 38.2

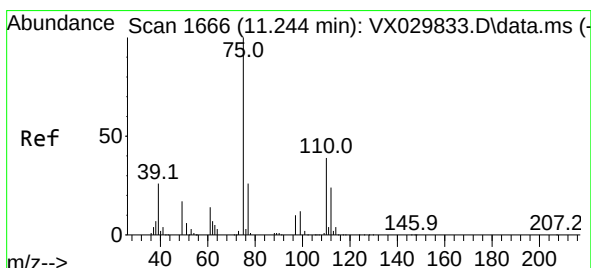
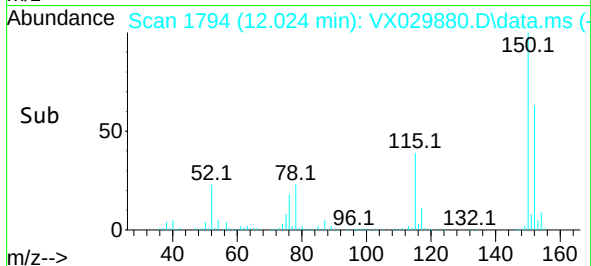
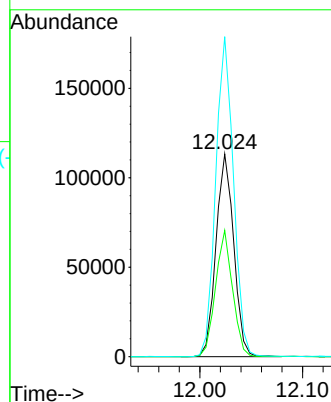
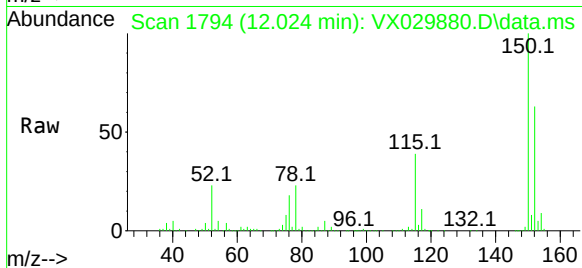




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

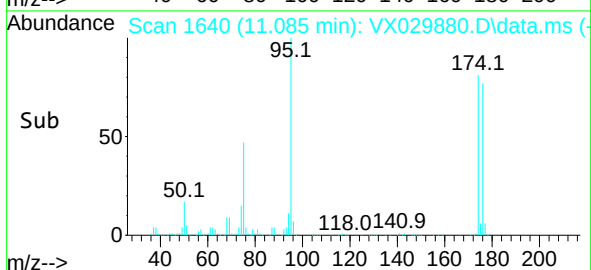
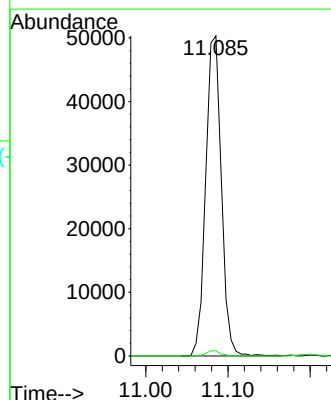
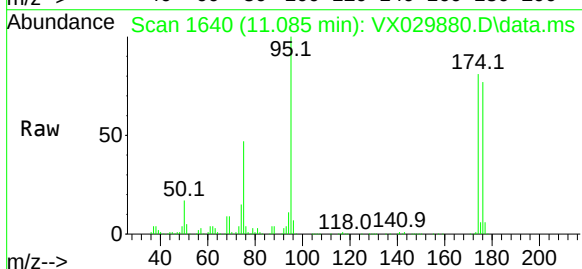
Instrument :
MSVOA_X
ClientSampleId :
MW-8

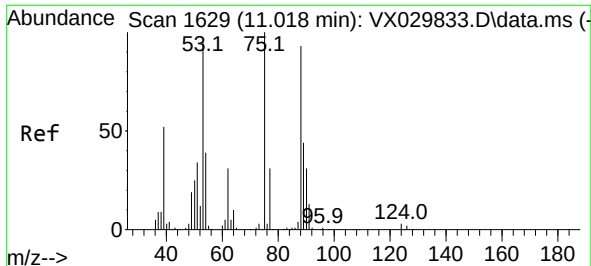
Tgt Ion:152 Resp: 135899
Ion Ratio Lower Upper
152 100
115 60.0 40.5 121.5
150 158.2 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 20.452 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion: 75 Resp: 66534
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#

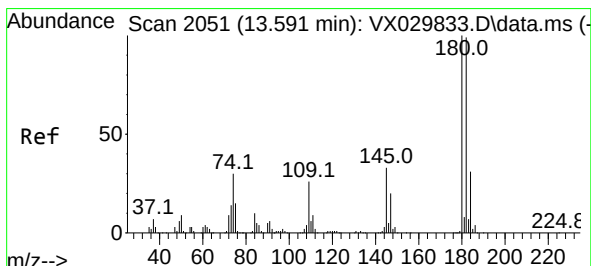
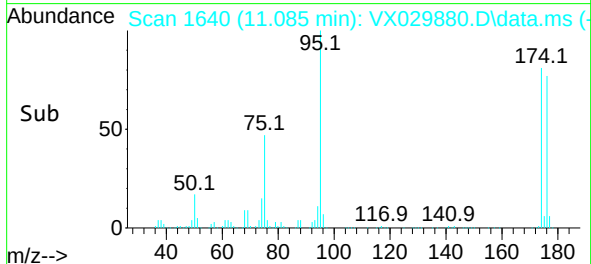
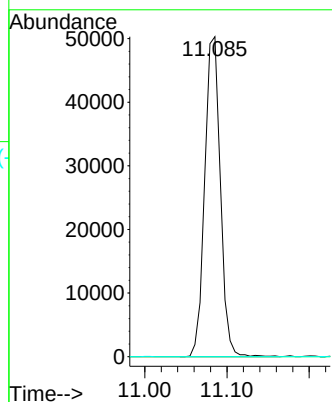
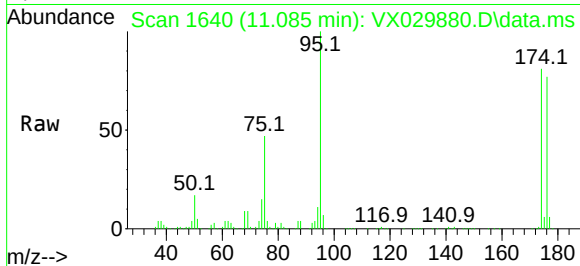




#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.950 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029880.D
 Acq: 29 Jun 2022 23:47

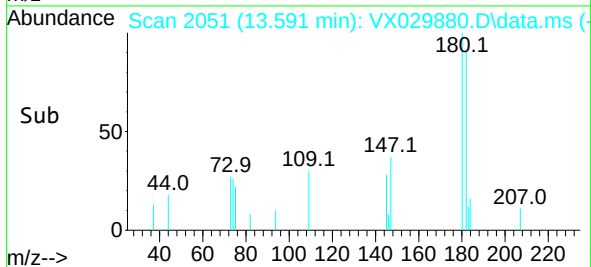
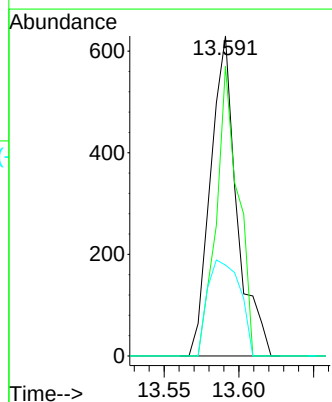
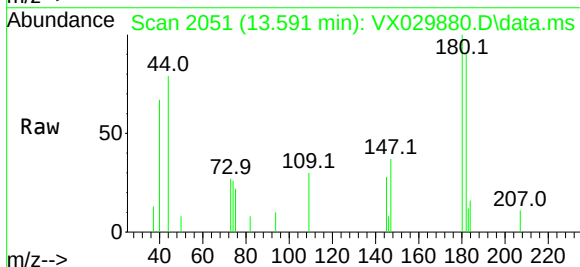
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

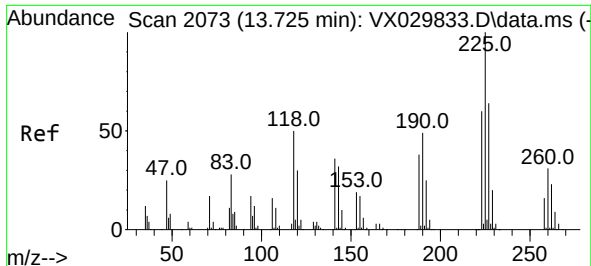
Tgt Ion: 75 Resp: 66534
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.285 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX029880.D
 Acq: 29 Jun 2022 23:47

Tgt Ion:180 Resp: 771
 Ion Ratio Lower Upper
 180 100
 182 74.8 48.2 144.6
 145 36.8 15.9 47.6

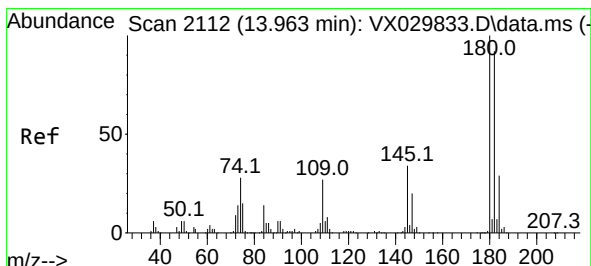
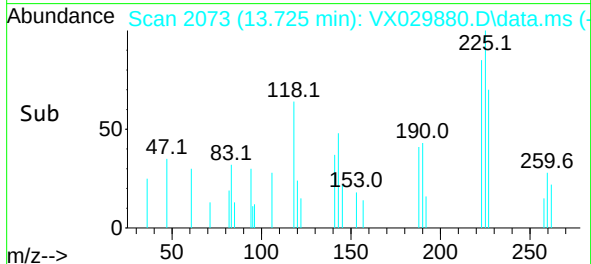
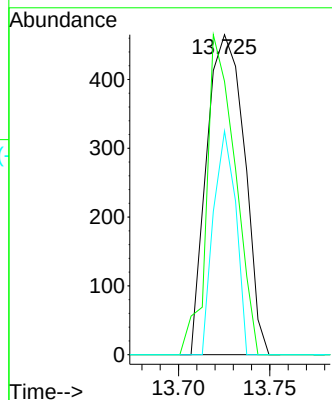
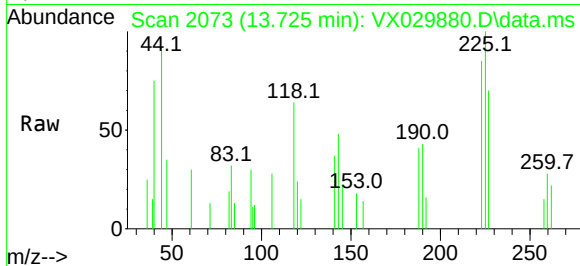




#94
Hexachlorobutadiene
Concen: 0.667 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Tgt Ion:225	Resp:	667
Ion	Ratio	Lower Upper
225	100	
223	75.3	30.6 91.6
227	41.5	31.9 95.9



#96
1,2,3-Trichlorobenzene
Concen: 0.218 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX029880.D
Acq: 29 Jun 2022 23:47

Tgt Ion:180	Resp:	602
Ion	Ratio	Lower Upper
180	100	
182	100.5	47.0 141.0
145	28.6	17.0 50.9

