

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070722\
 Data File : VX029957.D
 Acq On : 07 Jul 2022 16:04
 Operator : JC/MD
 Sample : N3617-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

Quant Time: Jul 08 05:34:35 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)

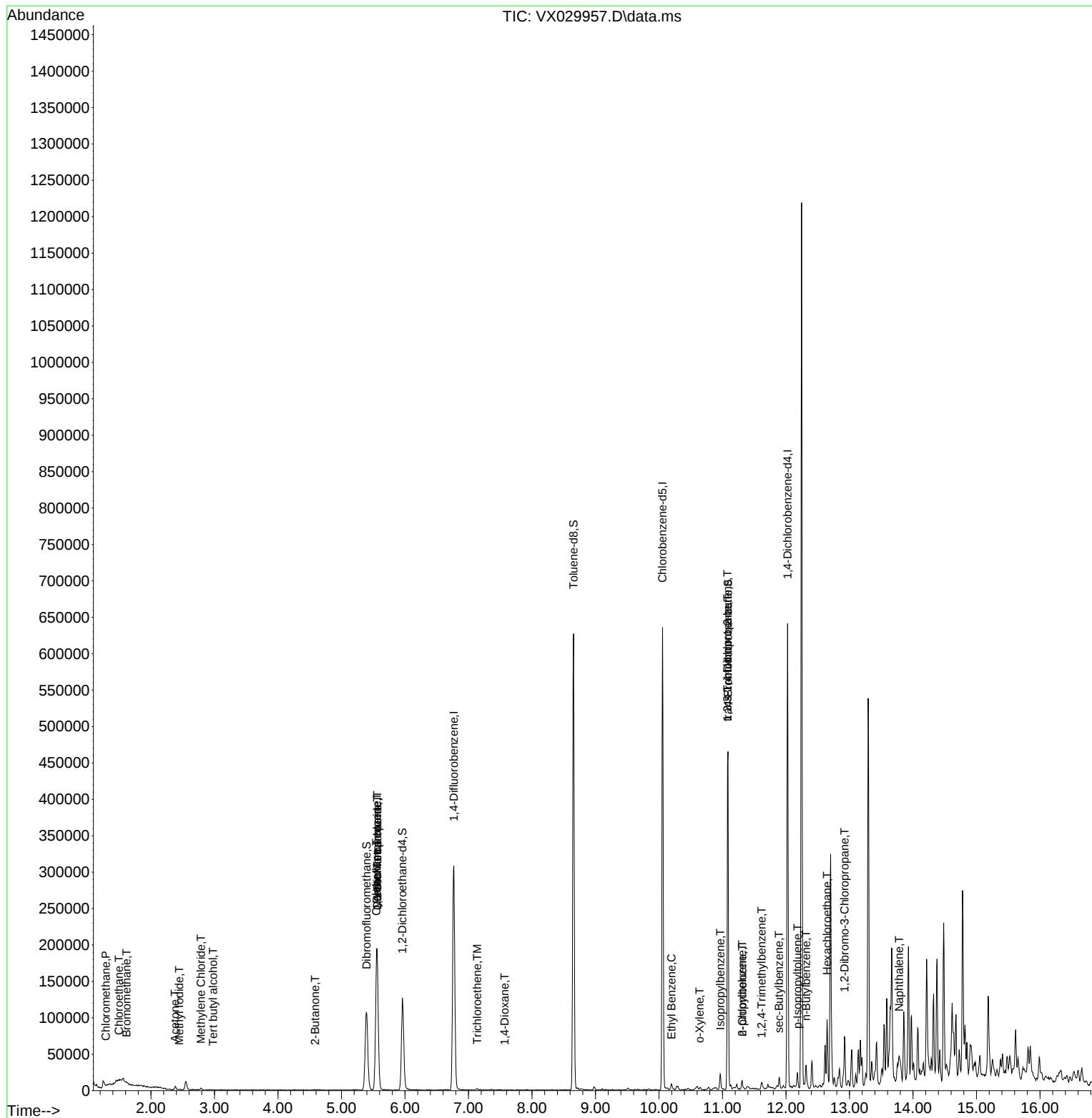
Internal Standards						
1) Pentafluorobenzene	5.556	168	193381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	334179	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	292907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107093	43.749	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.500%
35) Dibromofluoromethane	5.397	113	95882	45.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.820%
50) Toluene-d8	8.653	98	380929	48.620	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.240%
62) 4-Bromofluorobenzene	11.086	95	128536	46.412	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	443	0.204	ug/l #	82
5) Bromomethane	1.618	94	290	0.244	ug/l	92
6) Chloroethane	1.496	64	14702	10.480	ug/l #	43
10) Methyl Iodide	2.447	142	587	2.086	ug/l	92
11) Tert butyl alcohol	2.977	59	190	0.297	ug/l #	74
13) Acrolein	2.264	56	77	Below Cal	#	14
16) Acetone	2.380	43	5308	4.432	ug/l	92
20) Methylene Chloride	2.788	84	876	0.346	ug/l	87
25) 2-Butanone	4.587	43	1200	0.577	ug/l #	48
31) Cyclohexane	5.550	56	3722	1.091	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	13937	5.018	ug/l #	47
38) Carbon Tetrachloride	5.562	117	18292	7.600	ug/l #	17
44) Trichloroethene	7.135	130	773	0.320	ug/l	93
49) 1,4-Dioxane	7.568	88	43	0.669	ug/l #	34
67) Ethyl Benzene	10.195	91	4287	0.419	ug/l	92
69) o-Xylene	10.640	106	861	0.217	ug/l	82
73) Isopropylbenzene	10.964	105	10641	1.134	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	62482	20.123	ug/l #	38
78) n-propylbenzene	11.311	91	7781	0.703	ug/l	98
79) 2-Chlorotoluene	11.311	91	7781	1.182	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	62482	63.906	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.616	105	2790	0.357	ug/l	80
85) sec-Butylbenzene	11.890	105	7982	0.820	ug/l	100
86) p-Isopropyltoluene	12.183	119	9096	1.171	ug/l	92
89) n-Butylbenzene	12.317	91	2986	0.409	ug/l #	35
90) Hexachloroethane	12.646	117	33248	26.244	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	12.921	75	261	0.338	ug/l #	1
95) Naphthalene	13.780	128	22939	2.190	ug/l #	83

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 29 05:54:51 2022
Response via : Initial Calibration

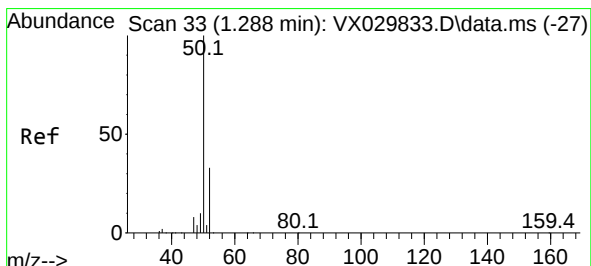
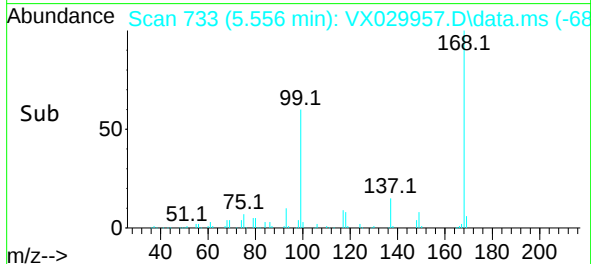
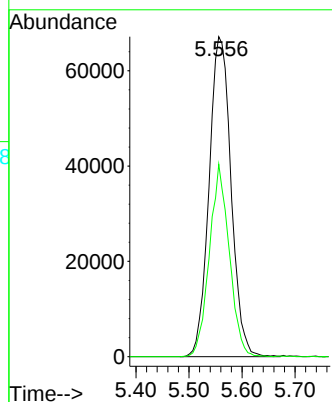
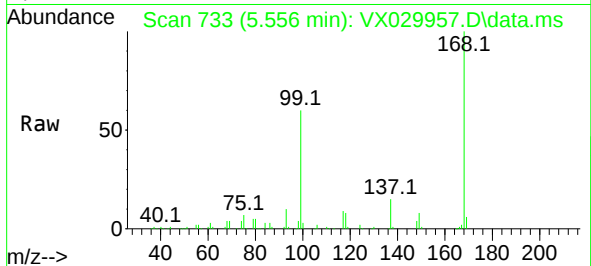




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

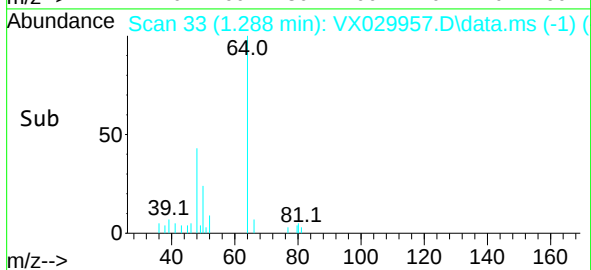
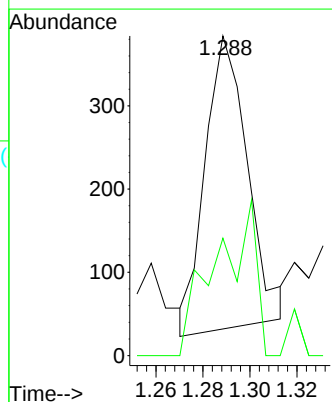
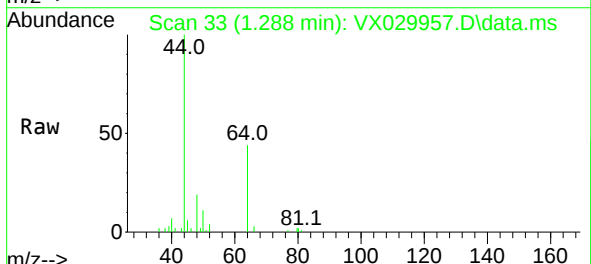
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

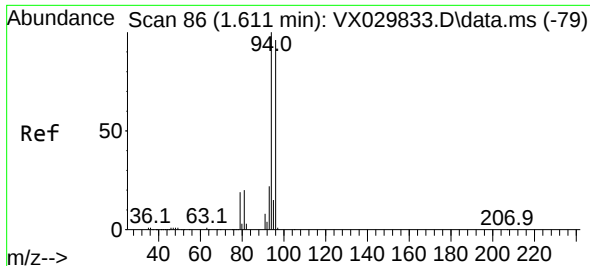
Tgt Ion:168 Resp: 193381
Ion Ratio Lower Upper
168 100
99 60.2 44.0 66.0



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 43.1 26.3 39.5

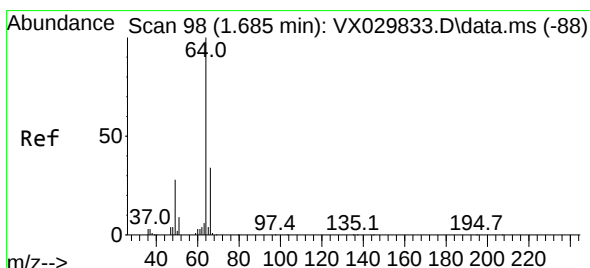
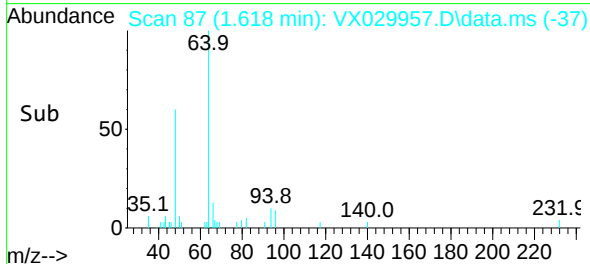
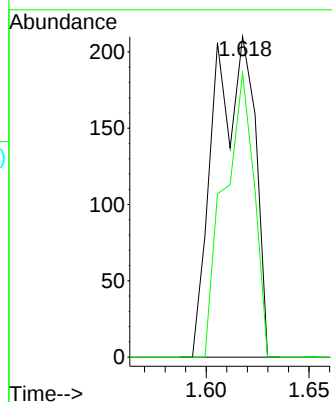
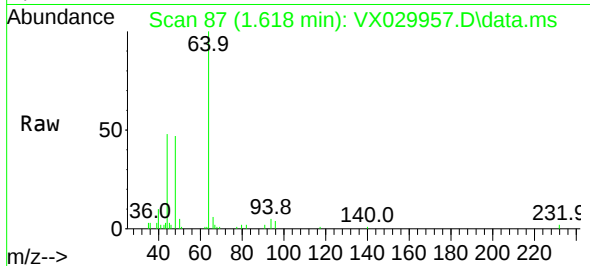




#5
Bromomethane
Concen: 0.244 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

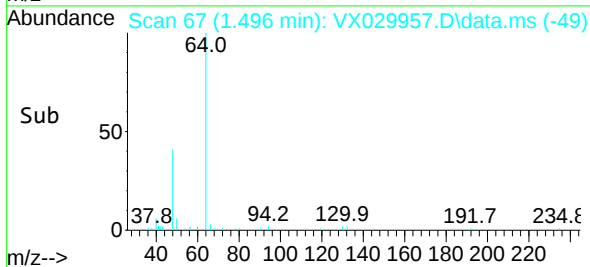
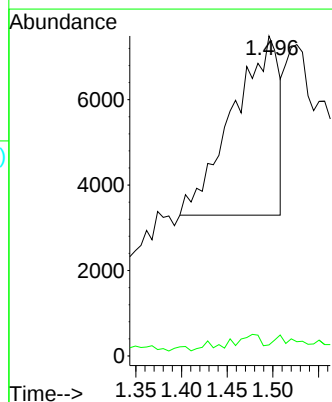
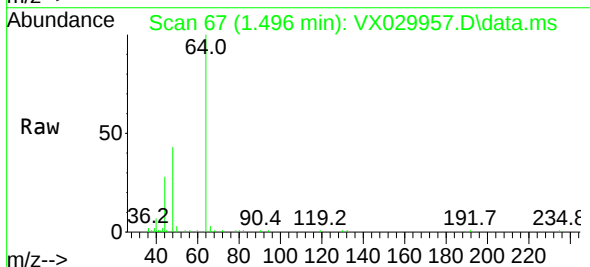
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

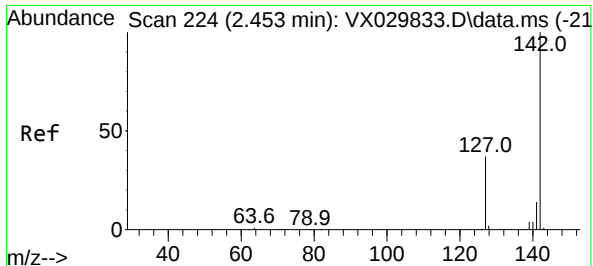
Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 88.6 76.9 115.3



#6
Chloroethane
Concen: 10.480 ug/l
RT: 1.496 min Scan# 67
Delta R.T. -0.189 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 64 Resp: 14702
Ion Ratio Lower Upper
64 100
66 1.1 27.2 40.8#

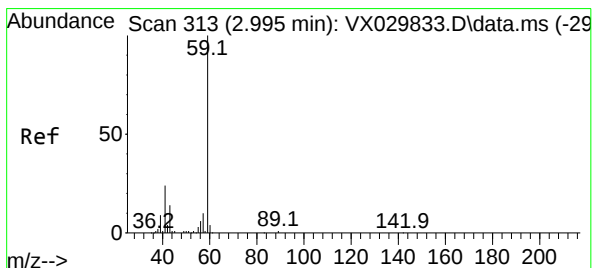
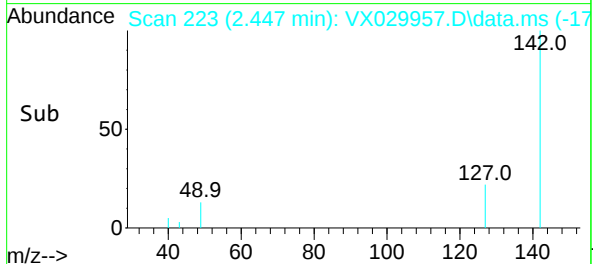
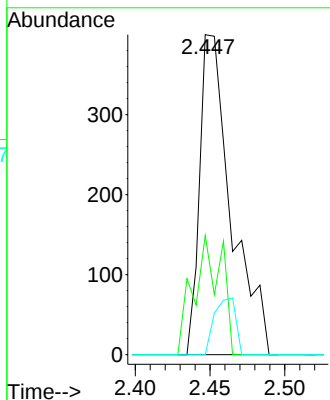
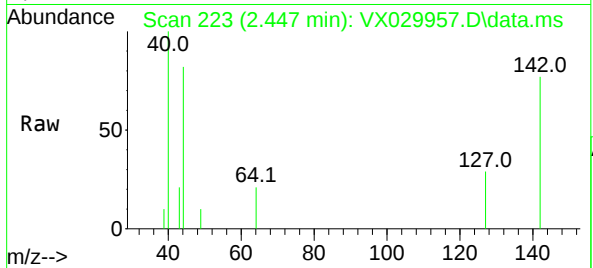




#10
Methyl Iodide
Concen: 2.086 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

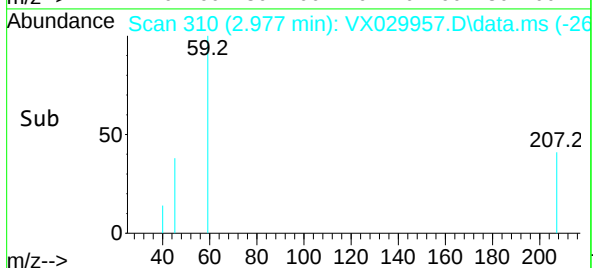
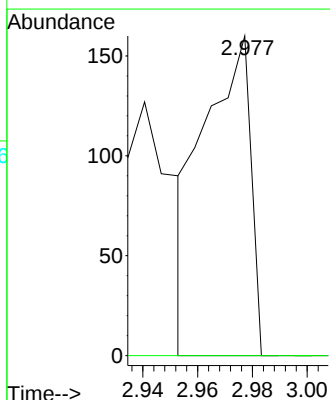
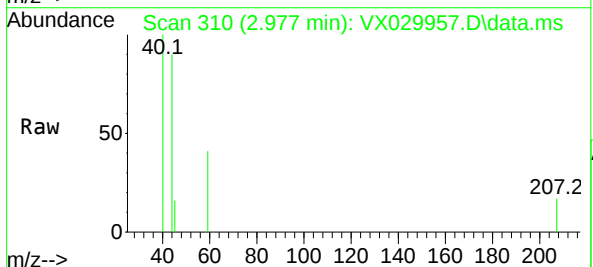
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

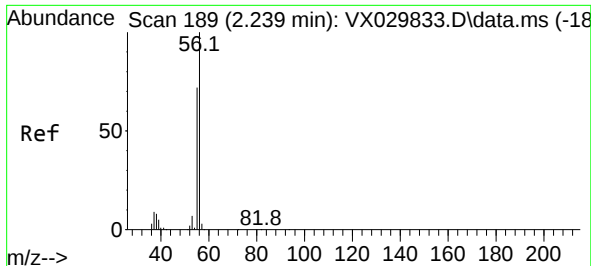
Tgt Ion:142 Resp: 587
Ion Ratio Lower Upper
142 100
127 32.5 30.2 45.2
141 11.9 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.297 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.018 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

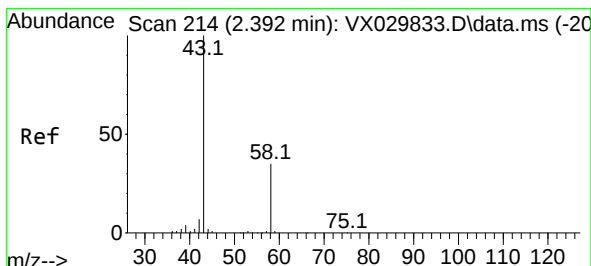
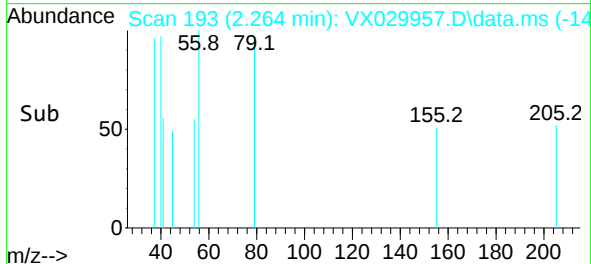
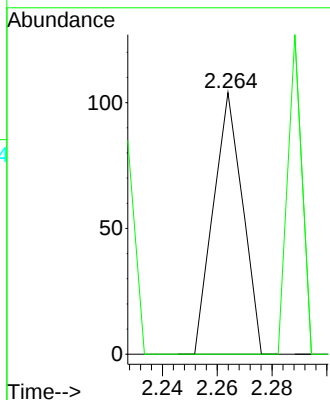
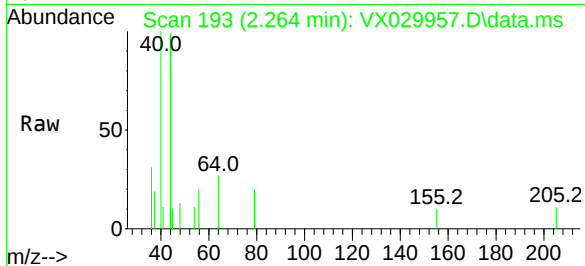




#13
Acrolein
Concen: Below Cal
RT: 2.264 min Scan# 19
Delta R.T. 0.025 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

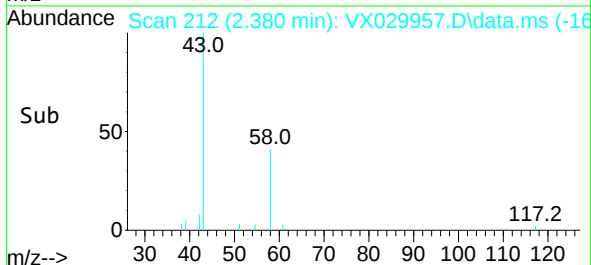
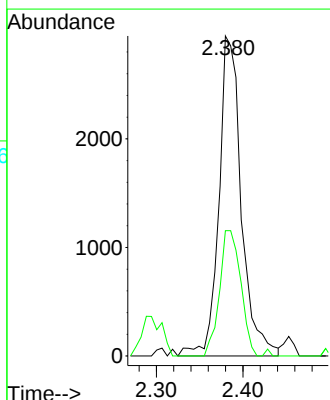
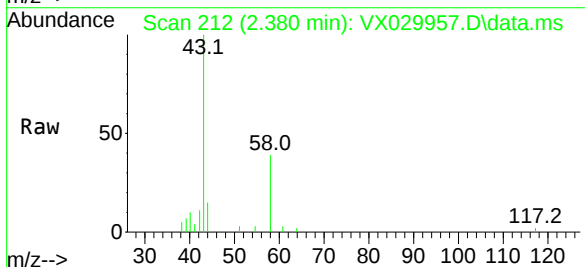
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

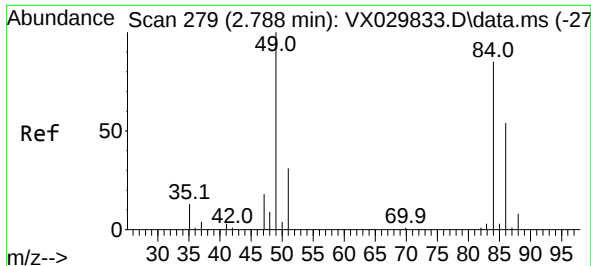
Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 4.432 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 43 Resp: 5308
Ion Ratio Lower Upper
43 100
58 39.2 27.7 41.5





#20

Methylene Chloride

Concen: 0.346 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX029957.D

Acq: 07 Jul 2022 16:04

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

Tgt Ion: 84 Resp: 876

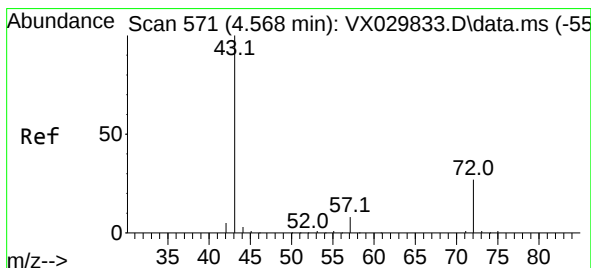
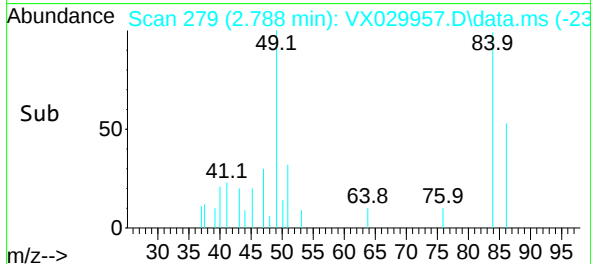
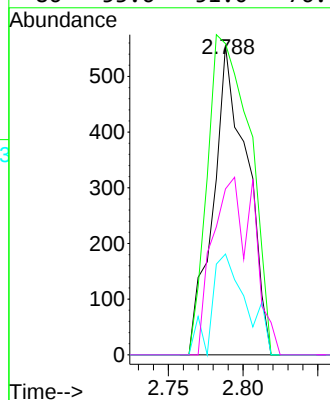
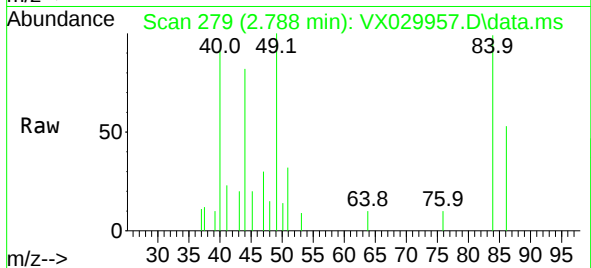
Ion Ratio Lower Upper

84 100

49 100.5 93.8 140.6

51 32.6 29.4 44.0

86 53.6 51.0 76.4



#25

2-Butanone

Concen: 0.577 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX029957.D

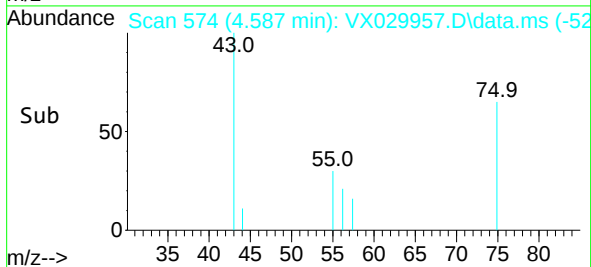
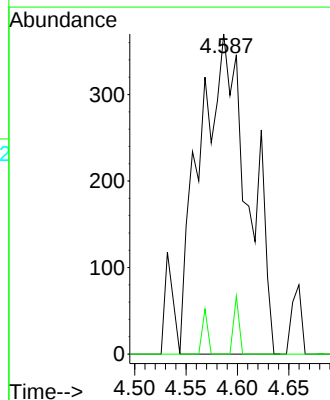
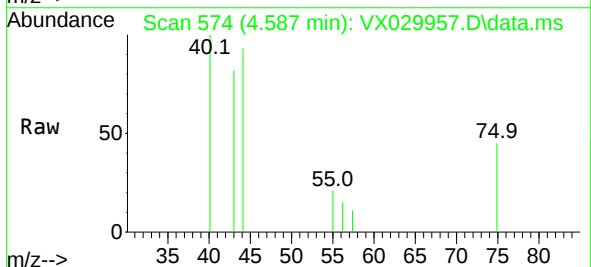
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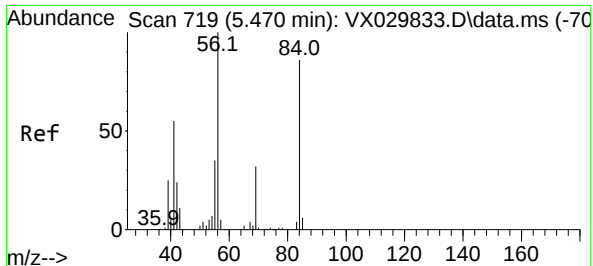
Tgt Ion: 43 Resp: 1200

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#

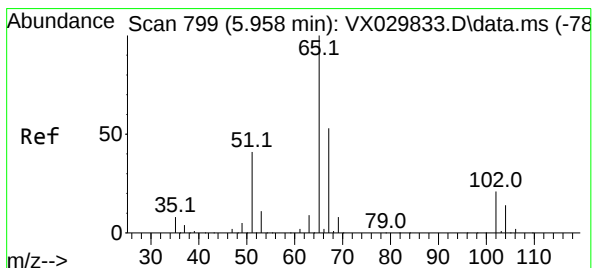
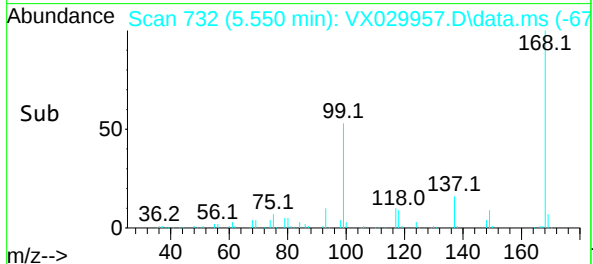
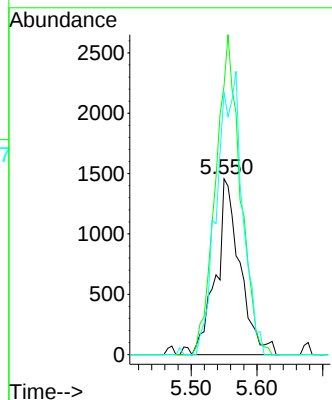
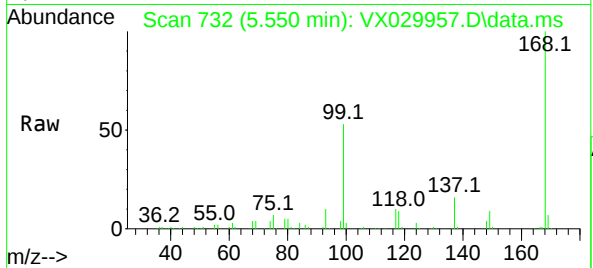




#31
Cyclohexane
Concen: 1.091 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

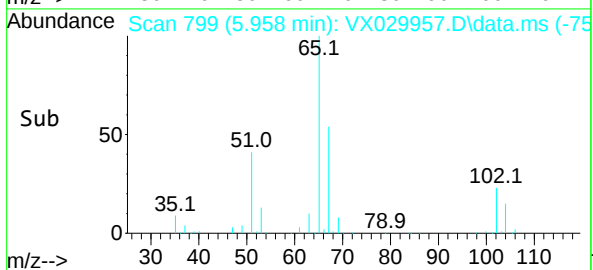
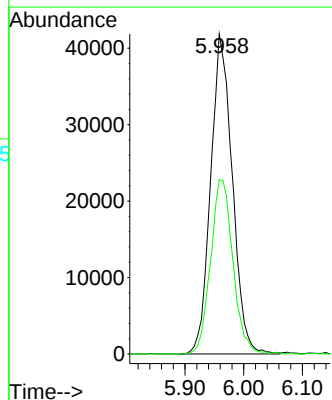
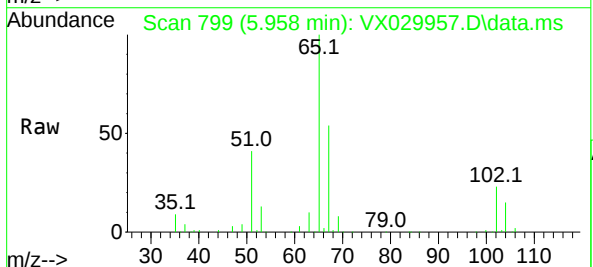
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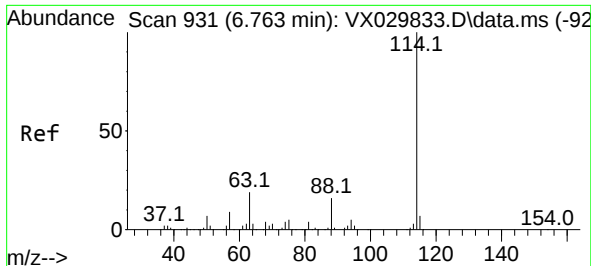
Tgt Ion: 56 Resp: 3722
Ion Ratio Lower Upper
56 100
69 152.9 25.4 38.0#
84 148.9 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 43.749 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 65 Resp: 107093
Ion Ratio Lower Upper
65 100
67 56.2 0.0 109.6

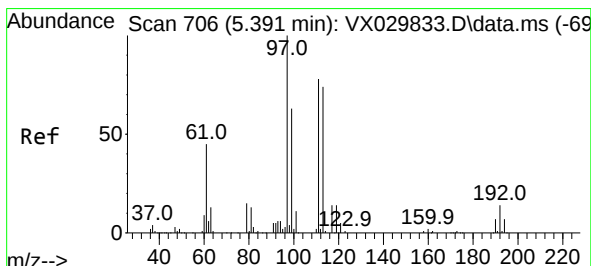
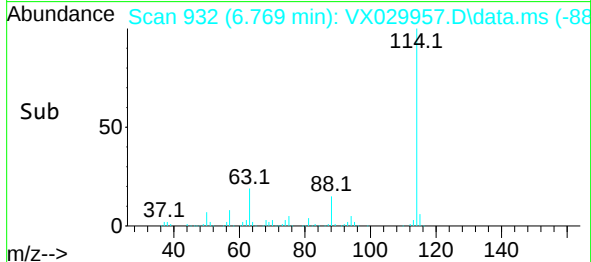
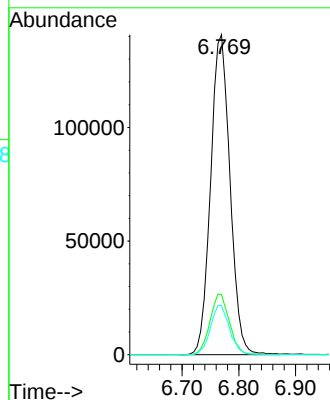
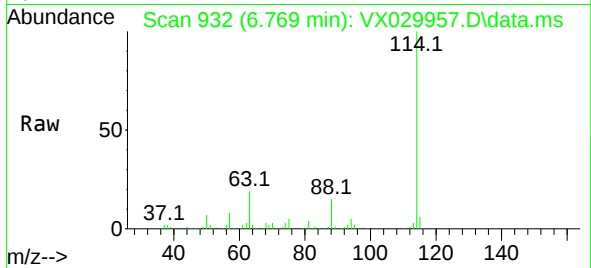




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

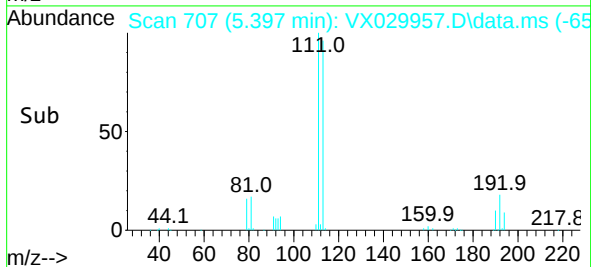
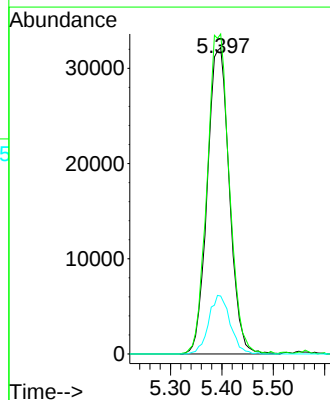
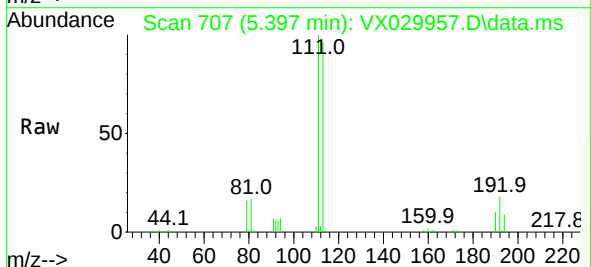
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

Tgt Ion:114 Resp: 334179
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.911 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion:113 Resp: 95882
Ion Ratio Lower Upper
113 100
111 105.8 83.2 124.8
192 18.7 14.8 22.2

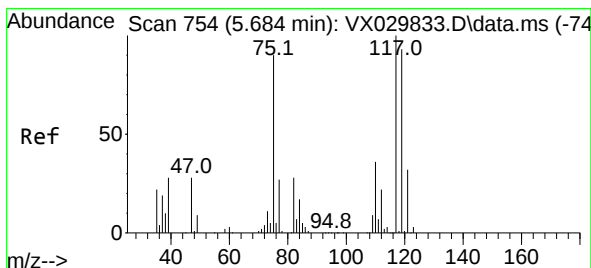
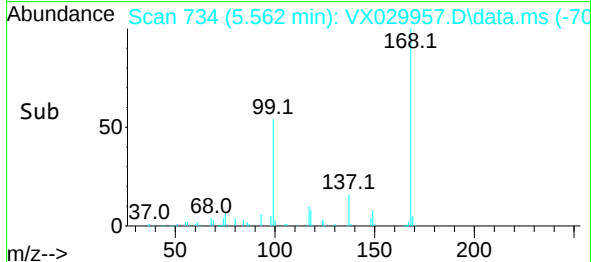
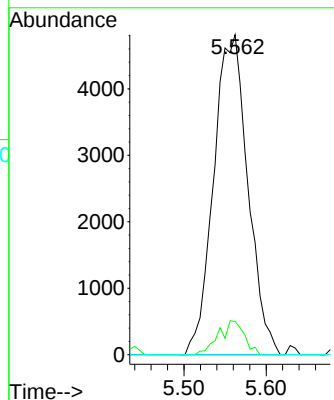
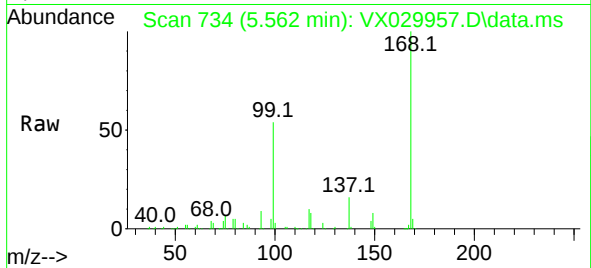




#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.134 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

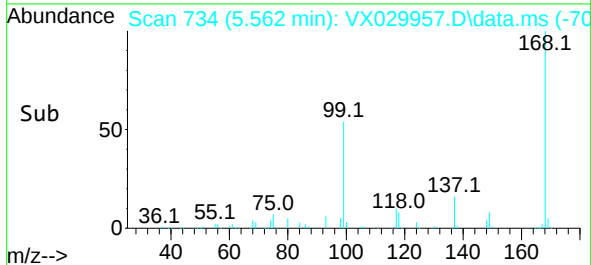
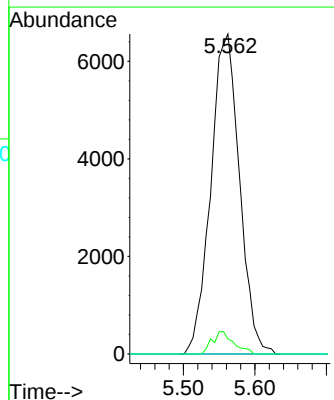
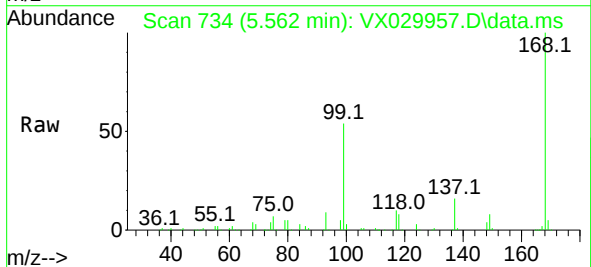
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

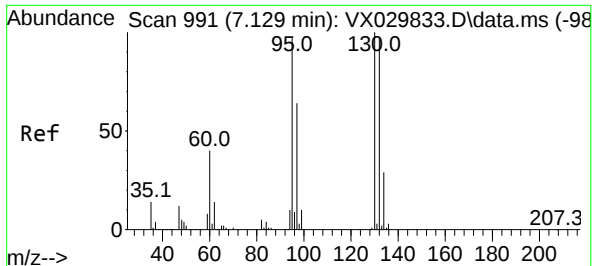
Tgt Ion: 75 Resp: 13937
Ion Ratio Lower Upper
75 100
110 8.0 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.600 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 117 Resp: 18292
Ion Ratio Lower Upper
117 100
119 4.7 74.1 111.1#
121 0.0 25.8 38.8#

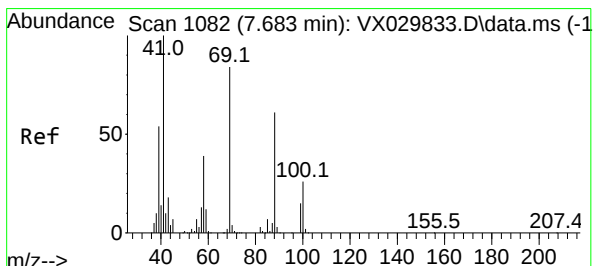
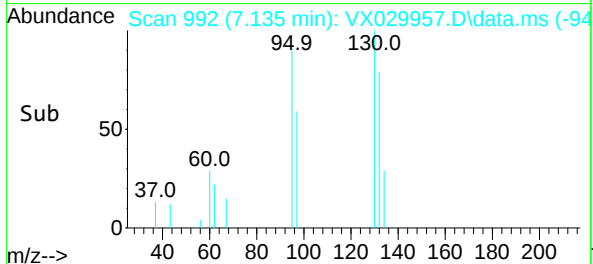
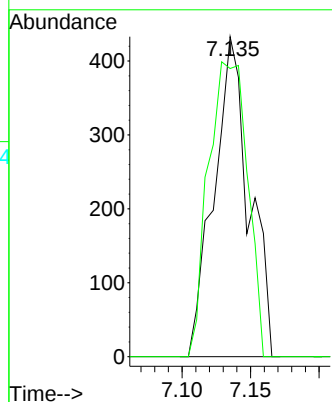
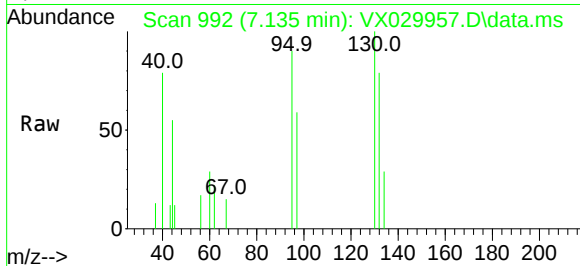




#44
Trichloroethene
Concen: 0.320 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

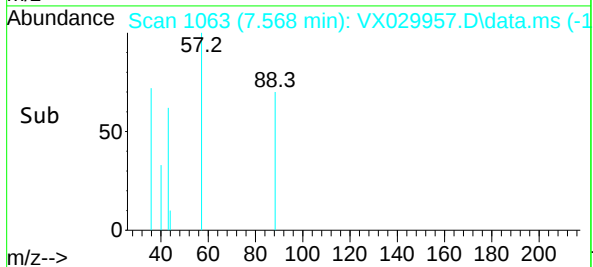
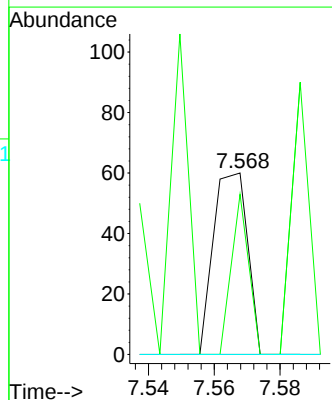
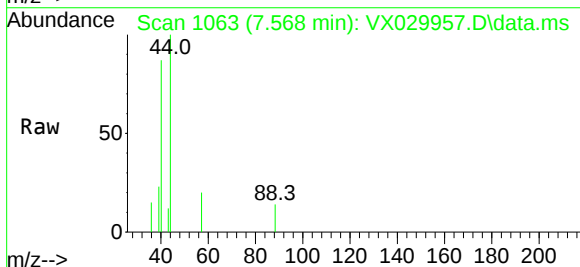
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

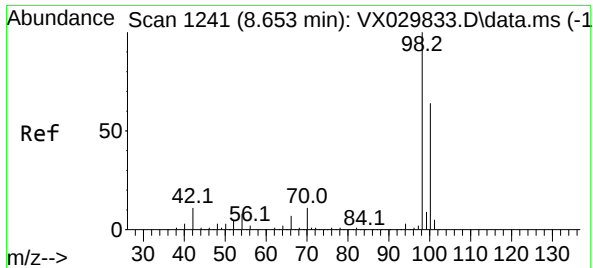
Tgt Ion:130 Resp: 773
Ion Ratio Lower Upper
130 100
95 90.1 0.0 194.8



#49
1,4-Dioxane
Concen: 0.669 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.116 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 44.2 23.8 35.8#
58 0.0 53.8 80.6#

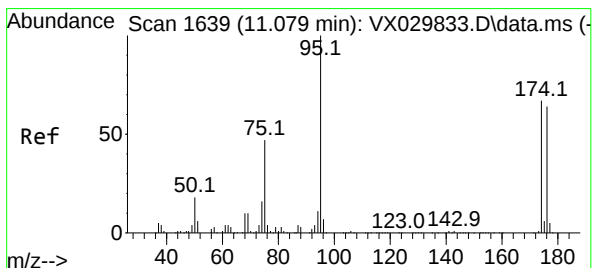
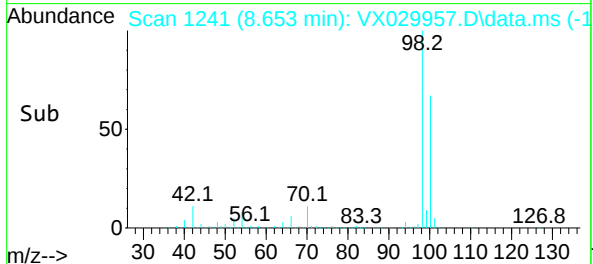
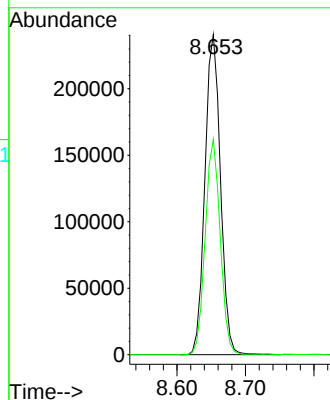
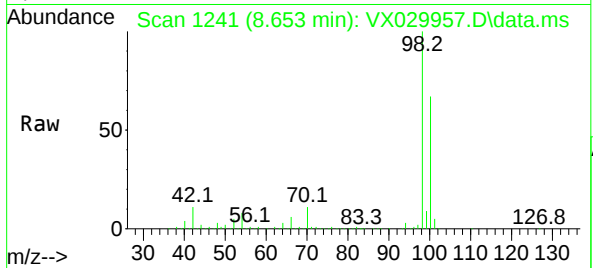




#50
Toluene-d8
Concen: 48.620 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

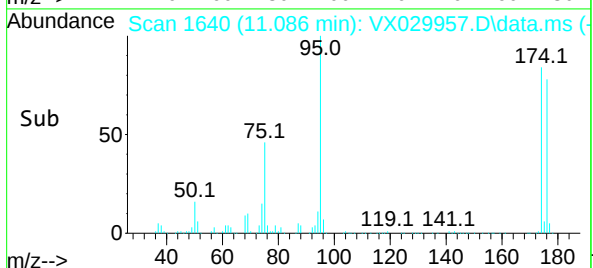
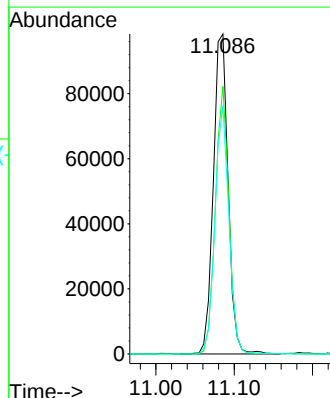
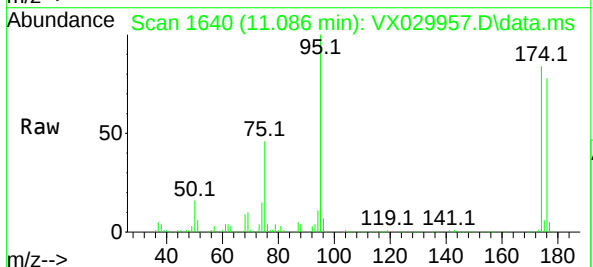
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

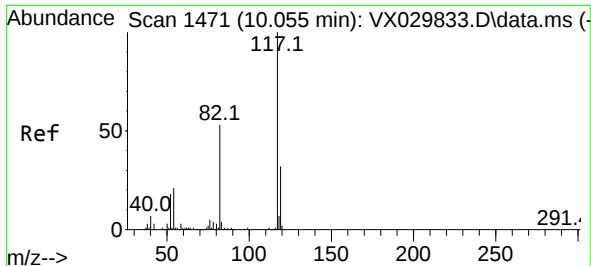
Tgt Ion: 98 Resp: 380929
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.412 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 95 Resp: 128536
Ion Ratio Lower Upper
95 100
174 77.7 0.0 149.0
176 73.3 0.0 146.0

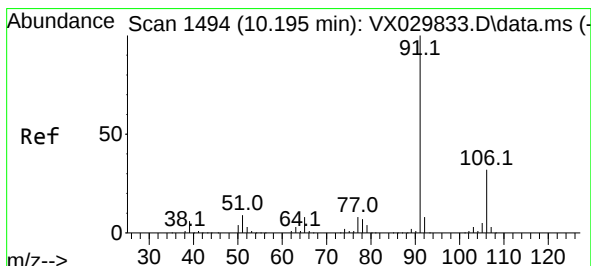
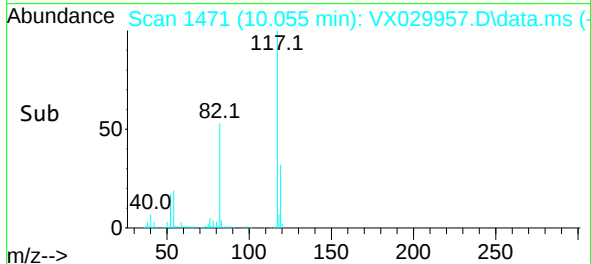
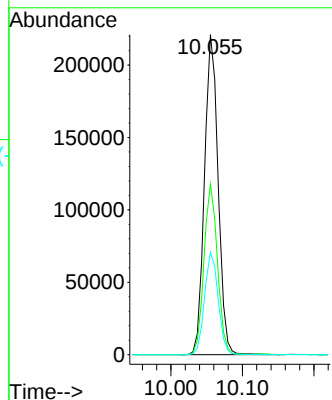
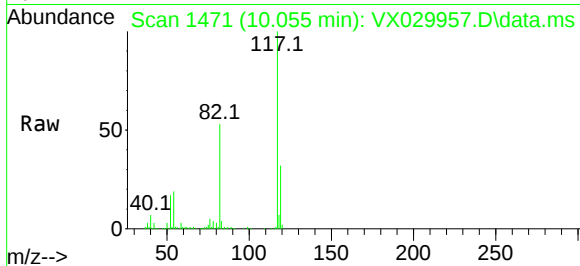




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

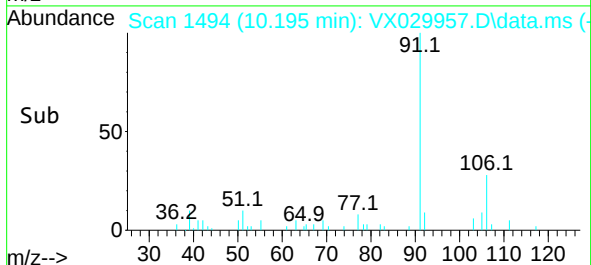
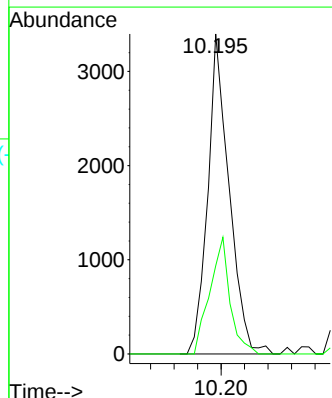
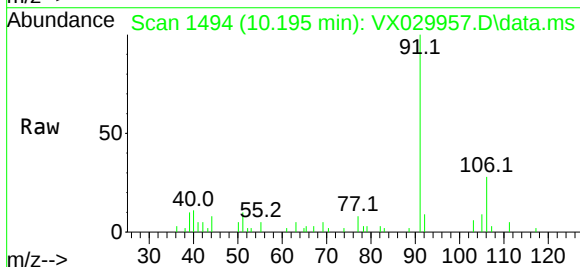
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

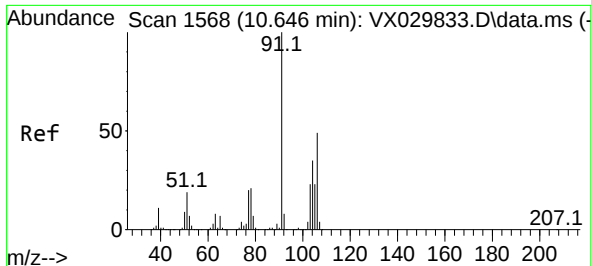
Tgt Ion:117 Resp: 292907
Ion Ratio Lower Upper
117 100
82 53.3 42.7 64.1
119 32.0 25.4 38.2



#67
Ethyl Benzene
Concen: 0.419 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 91 Resp: 4287
Ion Ratio Lower Upper
91 100
106 27.5 25.5 38.3

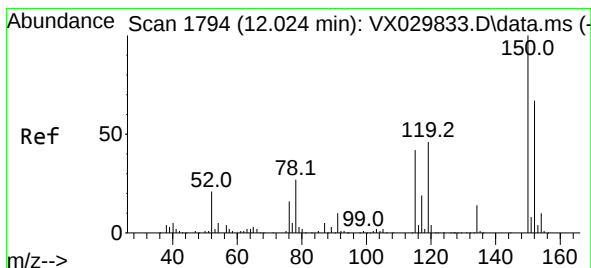
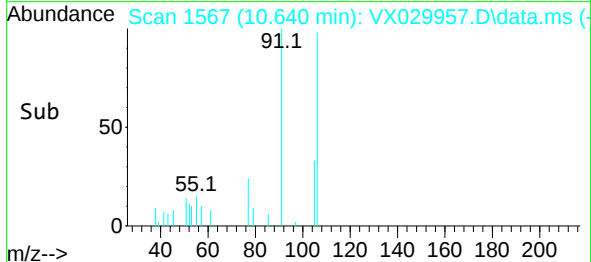
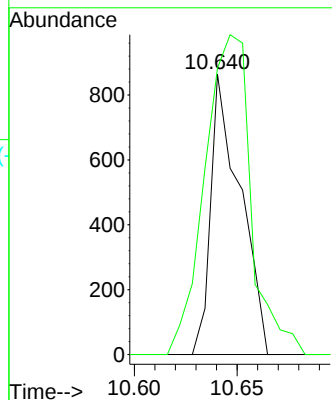
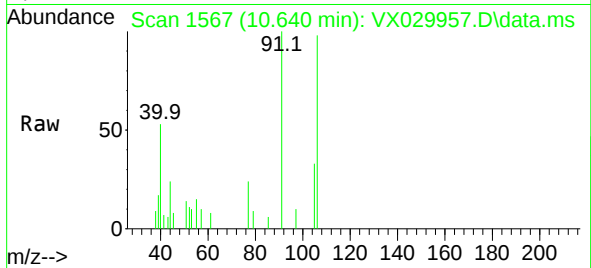




#69
o-Xylene
Concen: 0.217 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

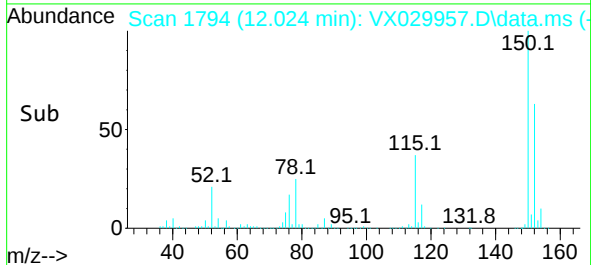
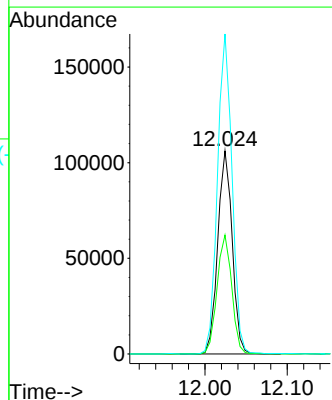
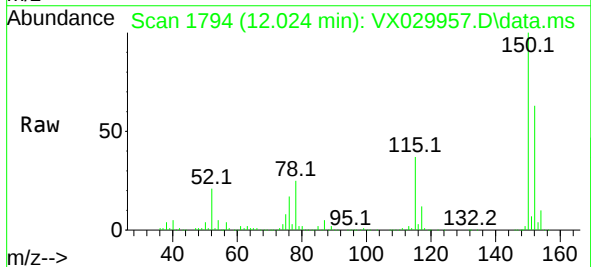
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

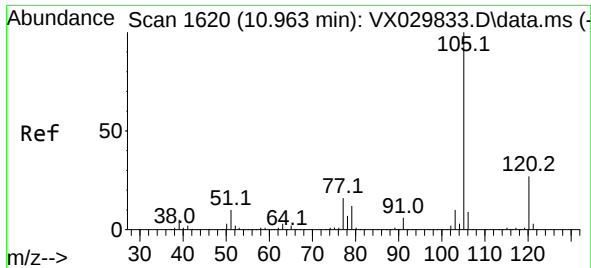
Tgt Ion:106 Resp: 861
Ion Ratio Lower Upper
106 100
91 179.4 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion:152 Resp: 129707
Ion Ratio Lower Upper
152 100
115 59.7 40.5 121.5
150 158.9 0.0 347.0

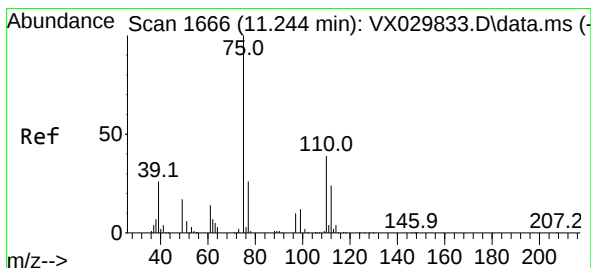
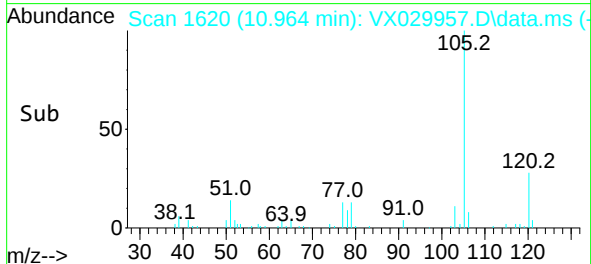
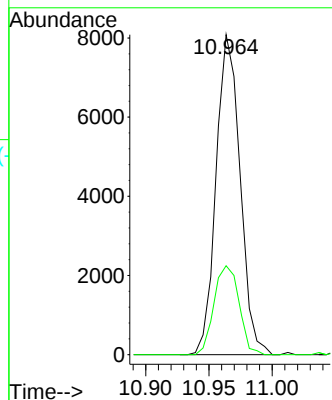
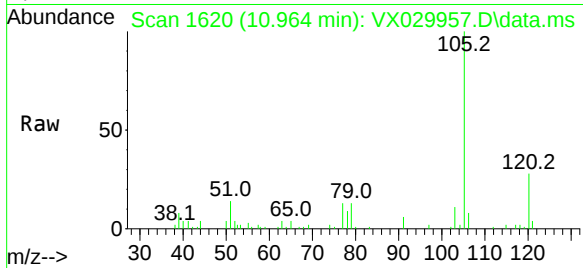




#73
Isopropylbenzene
Concen: 1.134 ug/l
RT: 10.964 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

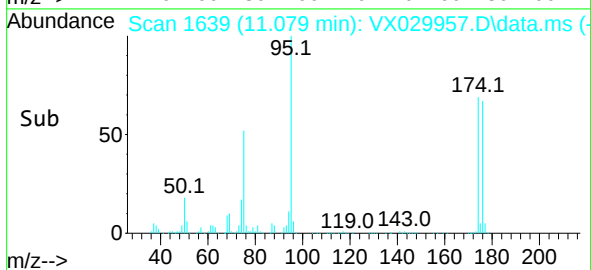
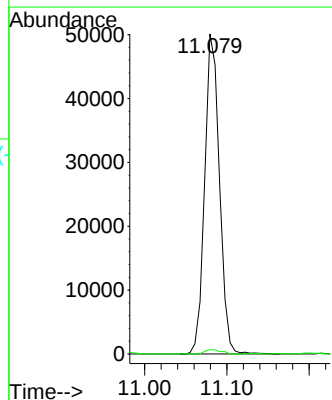
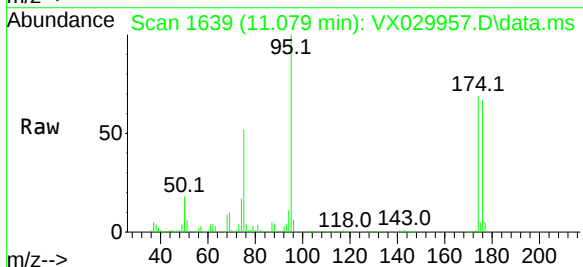
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

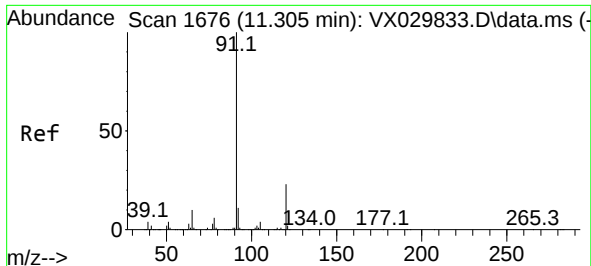
Tgt Ion:105 Resp: 10641
Ion Ratio Lower Upper
105 100
120 29.0 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 20.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 75 Resp: 62482
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#

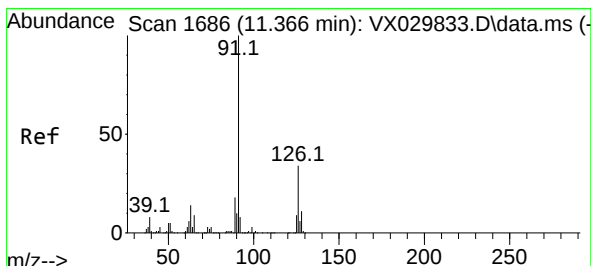
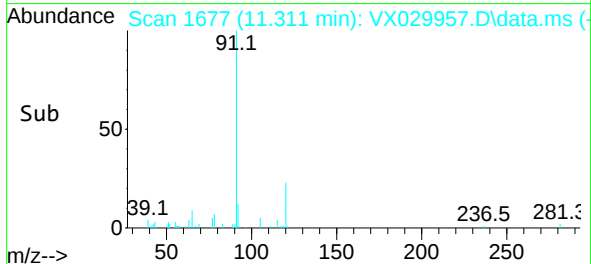
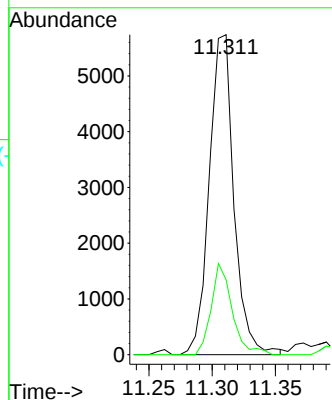
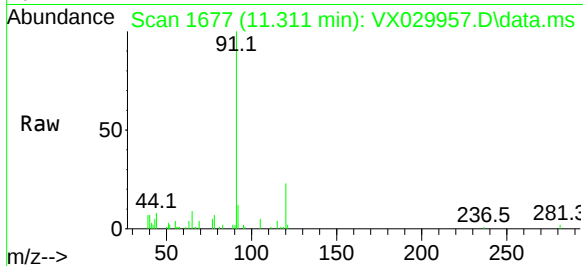




#78
n-propylbenzene
Concen: 0.703 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

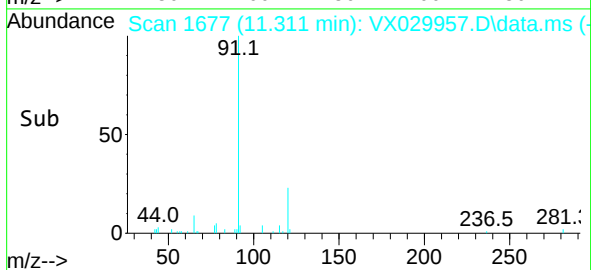
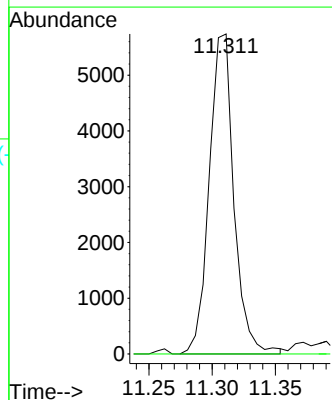
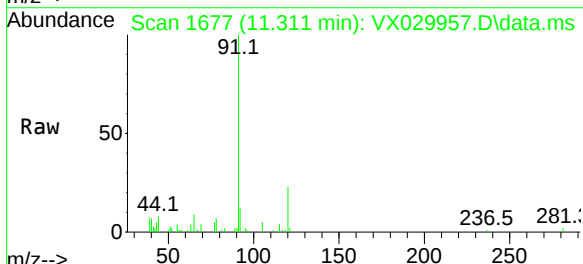
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

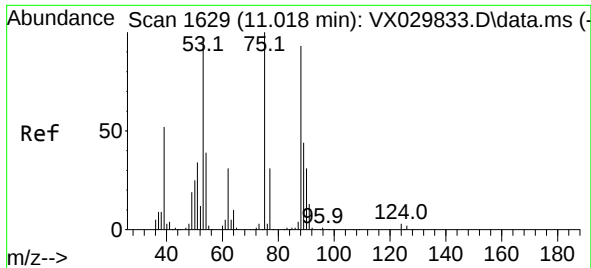
Tgt Ion: 91 Resp: 7781
Ion Ratio Lower Upper
91 100
120 24.2 11.6 34.8



#79
2-Chlorotoluene
Concen: 1.182 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 91 Resp: 7781
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

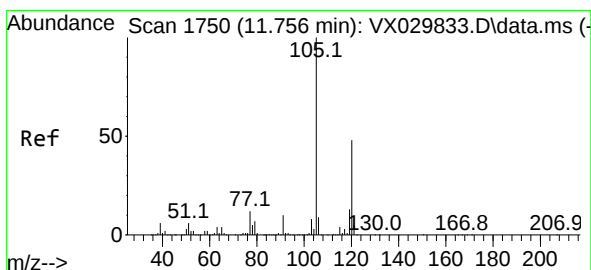
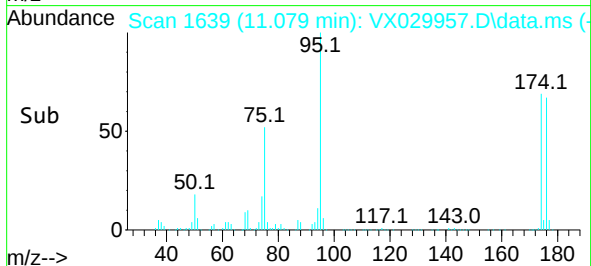
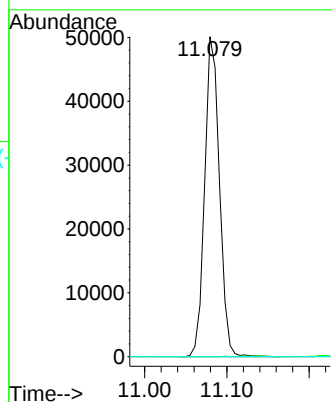
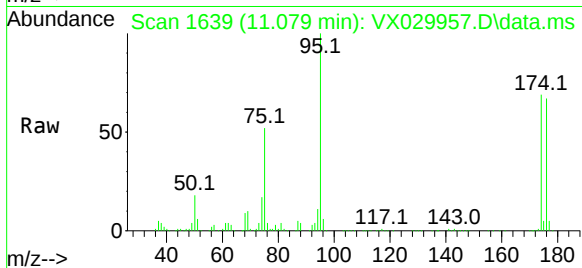




#81
trans-1,4-Dichloro-2-butene
Concen: 63.906 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

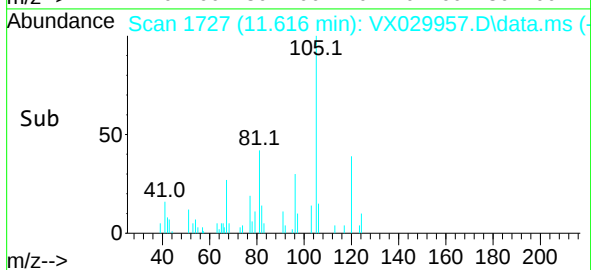
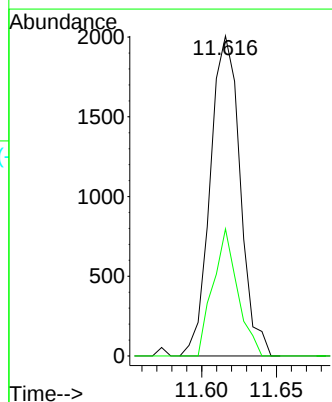
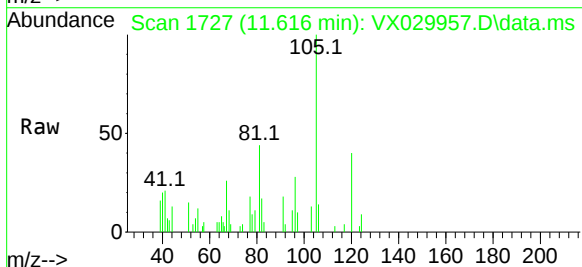
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

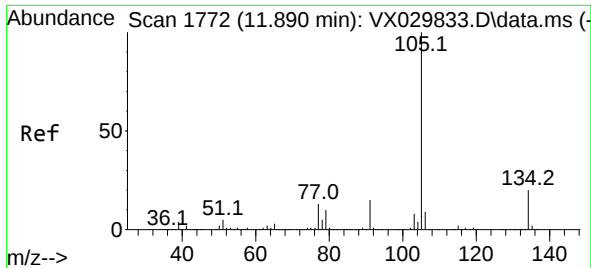
Tgt Ion: 75 Resp: 62482
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.357 ug/l
RT: 11.616 min Scan# 1727
Delta R.T. -0.140 min
Lab File: VX029957.D
Acq: 07 Jul 2022 16:04

Tgt Ion: 105 Resp: 2790
Ion Ratio Lower Upper
105 100
120 32.7 22.9 68.8

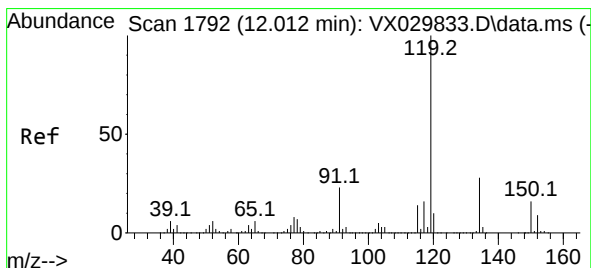
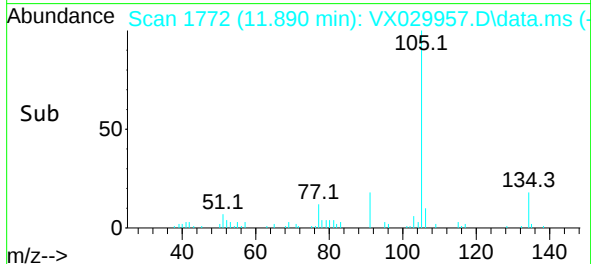
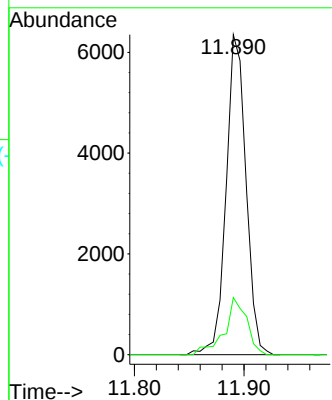
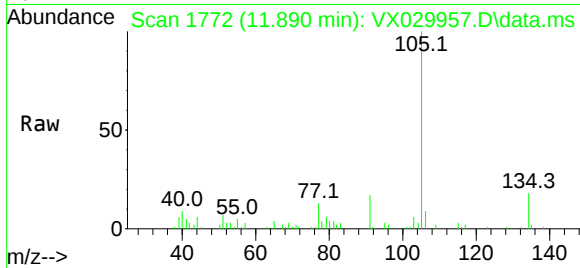




#85
 sec-Butylbenzene
 Concen: 0.820 ug/l
 RT: 11.890 min Scan# 1172
 Delta R.T. 0.000 min
 Lab File: VX029957.D
 Acq: 07 Jul 2022 16:04

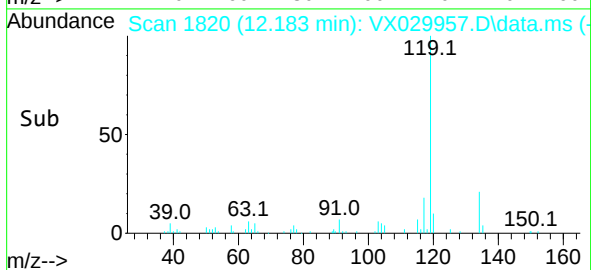
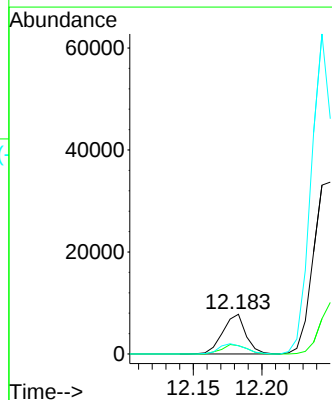
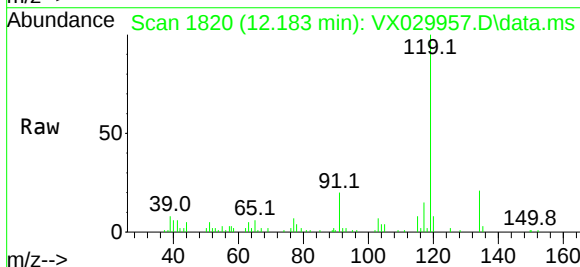
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

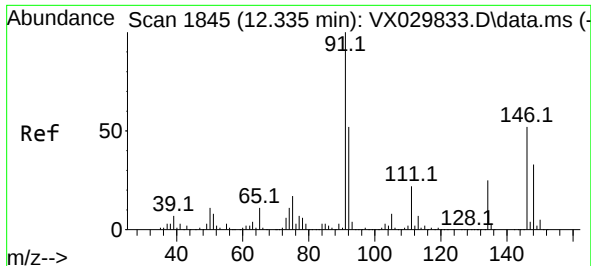
Tgt Ion:105 Resp: 7982
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 1.171 ug/l
 RT: 12.183 min Scan# 1820
 Delta R.T. 0.171 min
 Lab File: VX029957.D
 Acq: 07 Jul 2022 16:04

Tgt Ion:119 Resp: 9096
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.9 41.6
 91 28.9 11.8 35.3





#89

n-Butylbenzene

Concen: 0.409 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX029957.D

Acq: 07 Jul 2022 16:04

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

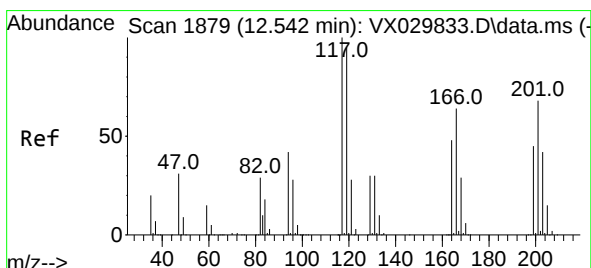
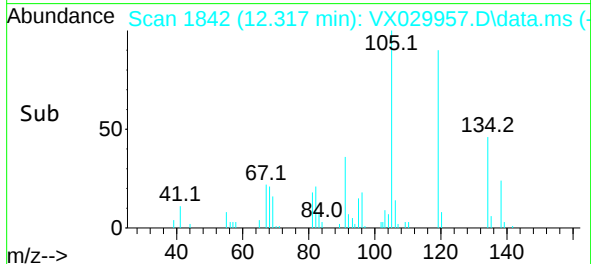
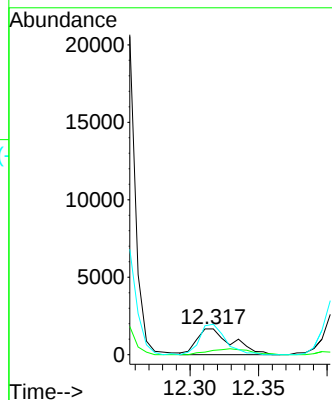
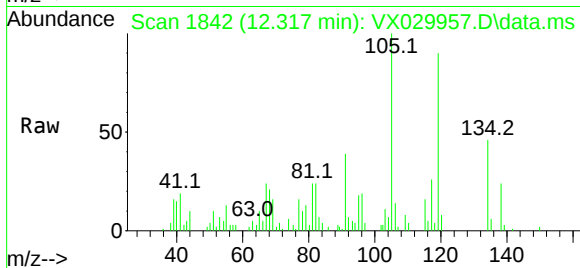
Tgt Ion: 91 Resp: 2986

Ion Ratio Lower Upper

91 100

92 26.0 26.2 78.5#

134 86.8 12.6 37.8#



#90

Hexachloroethane

Concen: 26.244 ug/l

RT: 12.646 min Scan# 1896

Delta R.T. 0.104 min

Lab File: VX029957.D

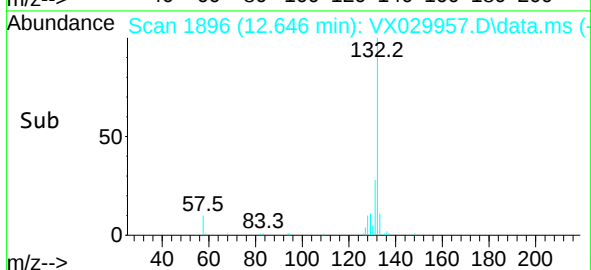
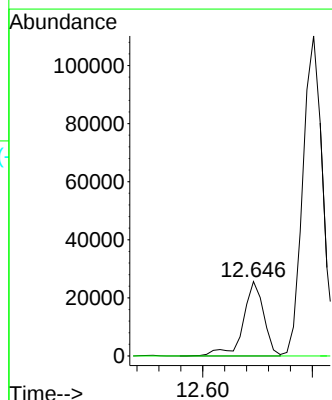
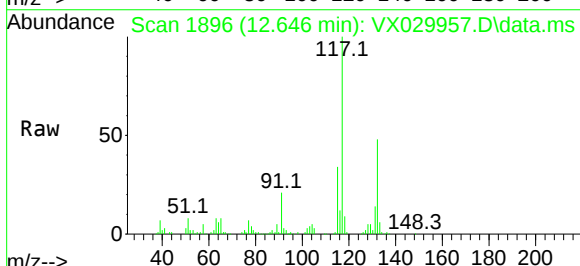
Acq: 07 Jul 2022 16:04

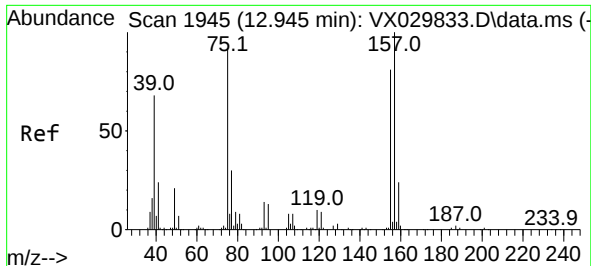
Tgt Ion: 117 Resp: 33248

Ion Ratio Lower Upper

117 100

201 0.0 34.2 102.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.338 ug/l

RT: 12.921 min Scan# 1945

Delta R.T. -0.024 min

Lab File: VX029957.D

Acq: 07 Jul 2022 16:04

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

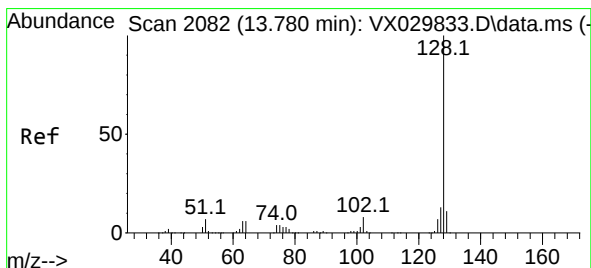
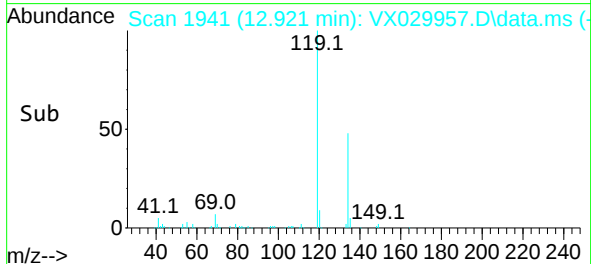
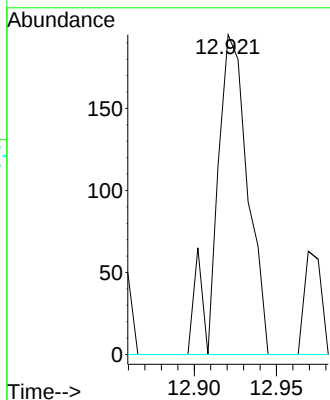
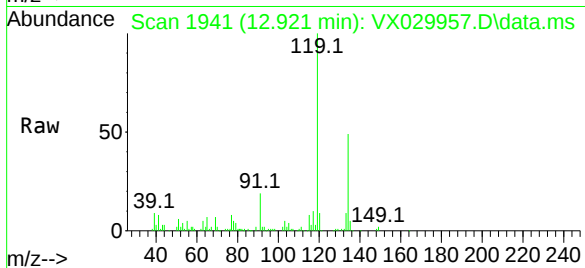
Tgt Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

155 0.0 45.0 134.8#

157 0.0 56.9 170.7#



#95

Naphthalene

Concen: 2.190 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX029957.D

Acq: 07 Jul 2022 16:04

Tgt Ion: 128 Resp: 22939

Ion Ratio Lower Upper

128 100

127 17.1 10.2 15.2#

129 20.0 8.6 13.0#

