

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038153.D
 Acq On : 07 Oct 2023 02:56
 Operator : JC/MD
 Sample : VX1006WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1006WBL02

Quant Time: Oct 07 06:36:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X100623W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Oct 07 06:30:32 2023
 Response via : Initial Calibration

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

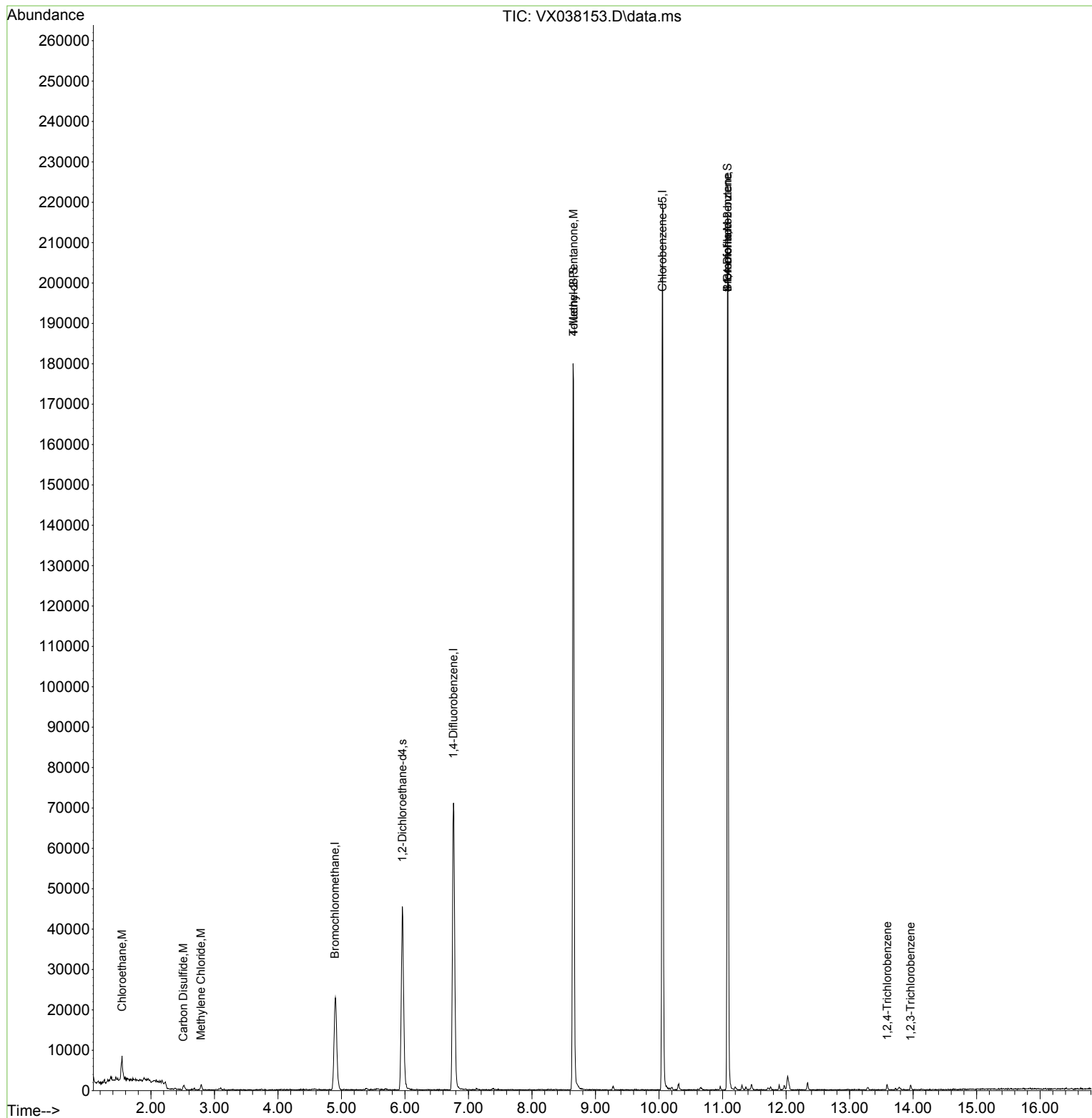
Internal Standards						
1) Bromochloromethane	4.897	128	9603	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	74117	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	95561	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	41651	31.748	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.833%
60) 4-Bromofluorobenzene	11.079	95	55349	27.804	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.667%
63) Toluene-d8	8.653	98	111374	30.098	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						
						Qvalue
6) Chloroethane	1.544	64	1572	1.377	ug/l	95
16) Carbon Disulfide	2.508	76	1113	0.392	ug/l #	94
18) Methylene Chloride	2.788	84	386	0.279	ug/l #	83
56) Bromoform	11.079	173	442	0.372	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	629	0.263	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30826	47.136	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.591	180	560	0.257	ug/l #	73
92) 1,2,3-Trichlorobenzene	13.963	180	471	0.221	ug/l	82

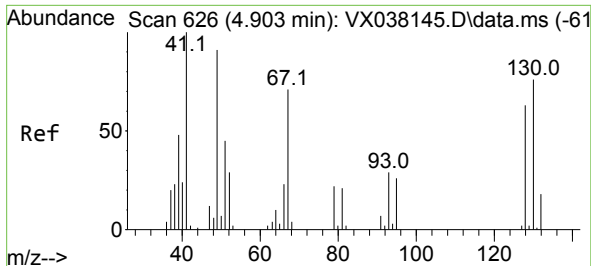
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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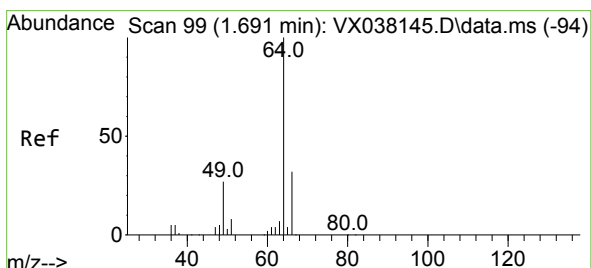
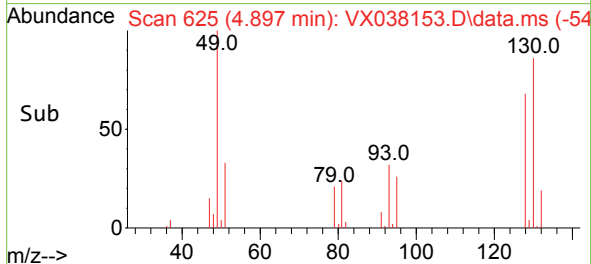
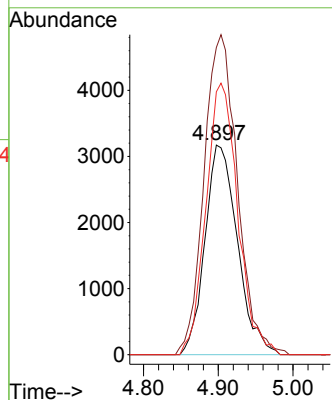
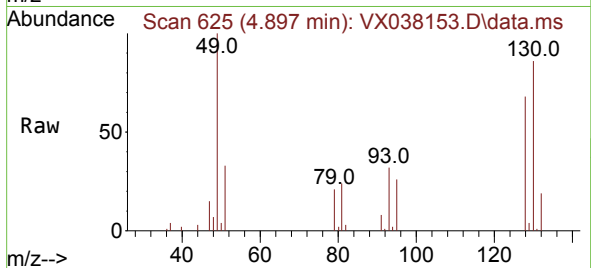




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

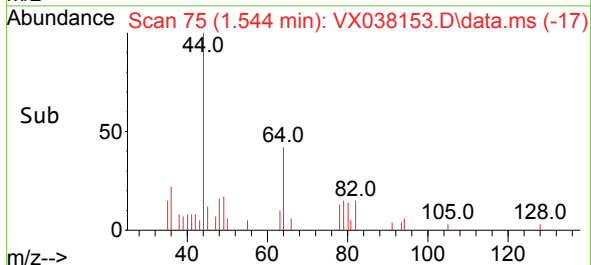
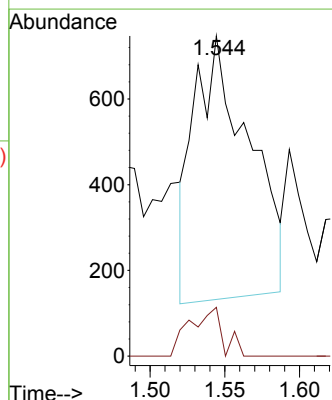
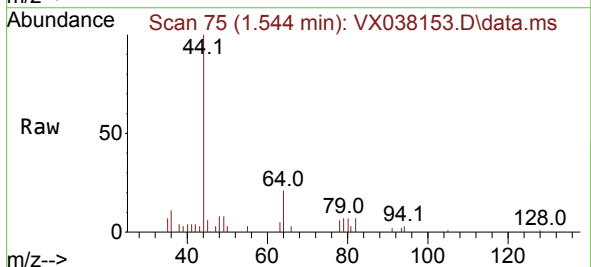
Instrument :
MSVOA_X
ClientSampleId :
VX1006WBL02

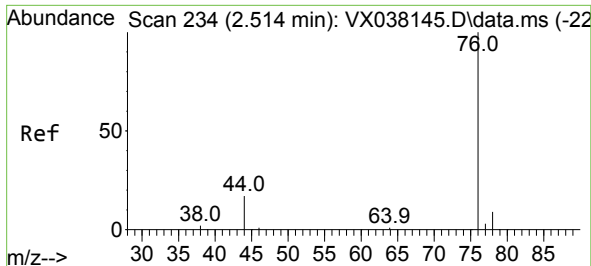
Tgt Ion:128 Resp: 9603
Ion Ratio Lower Upper
128 100
49 156.9 0.0 406.3
130 127.0 0.0 328.0



#6
Chloroethane
Concen: 1.377 ug/l
RT: 1.544 min Scan# 75
Delta R.T. -0.146 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

Tgt Ion: 64 Resp: 1572
Ion Ratio Lower Upper
64 100
66 26.1 23.1 34.7

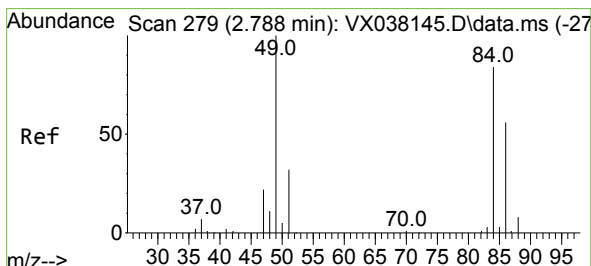
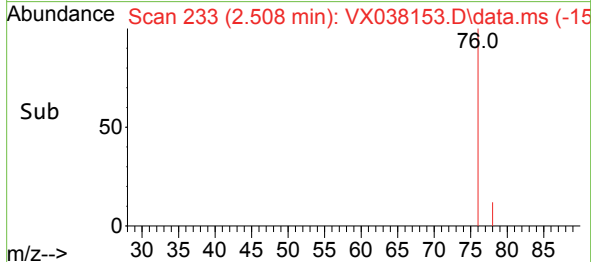
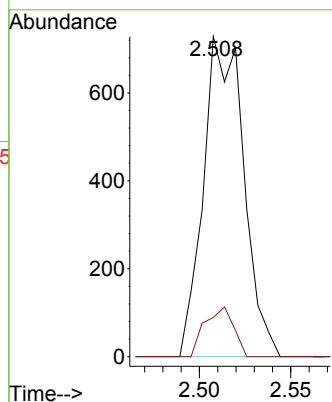
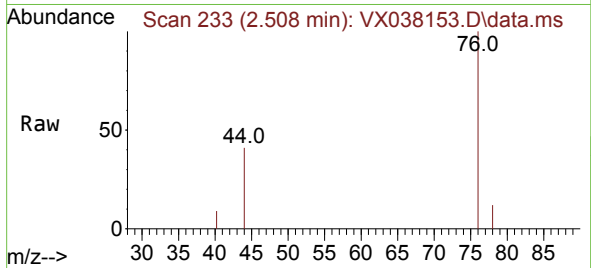




#16
Carbon Disulfide
Concen: 0.392 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

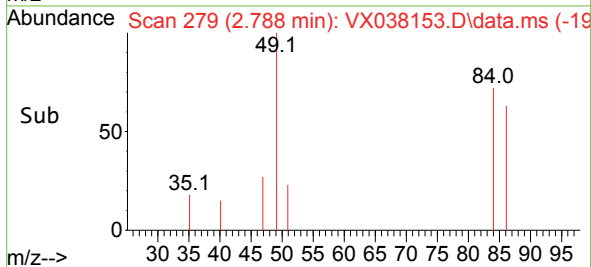
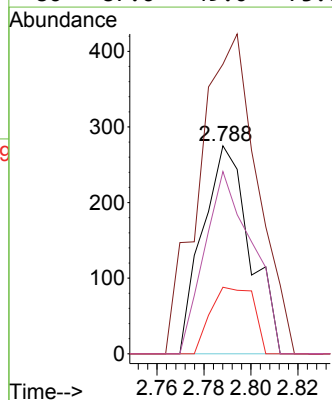
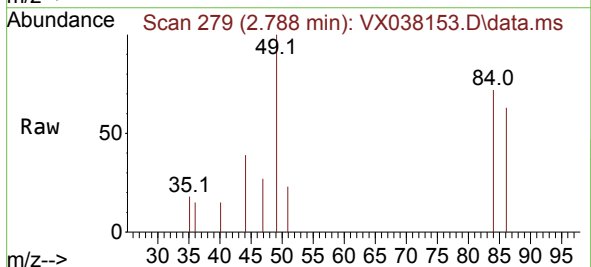
Instrument :
MSVOA_X
ClientSampleId :
VX1006WBL02

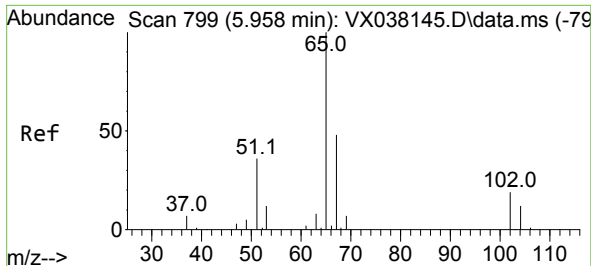
Tgt Ion: 76 Resp: 1113
Ion Ratio Lower Upper
76 100
78 12.2 8.0 12.0#



#18
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

Tgt Ion: 84 Resp: 386
Ion Ratio Lower Upper
84 100
49 106.2 95.4 143.0
51 32.0 28.3 42.5
86 87.6 49.0 73.6#





#27

1,2-Dichloroethane-d4

Concen: 31.748 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038153.D

Acq: 07 Oct 2023 02:56

Instrument :

MSVOA_X

ClientSampleId :

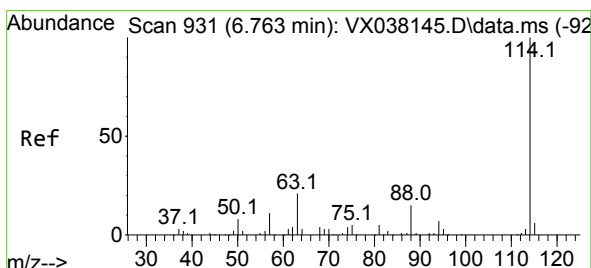
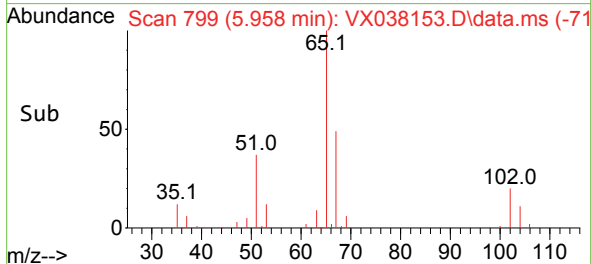
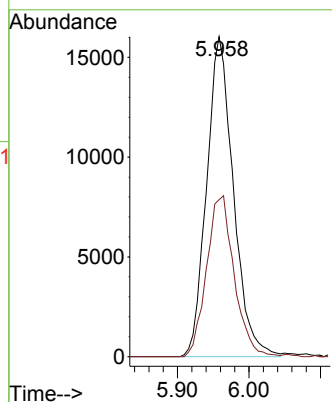
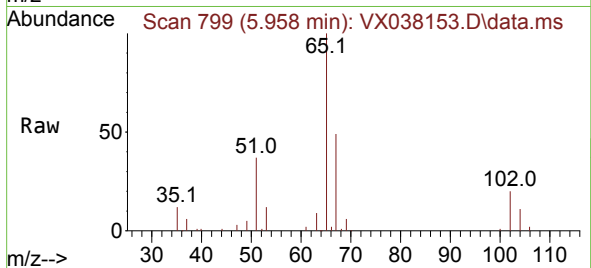
VX1006WBL02

Tgt Ion: 65 Resp: 41651

Ion Ratio Lower Upper

65 100

67 51.8 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX038153.D

Acq: 07 Oct 2023 02:56

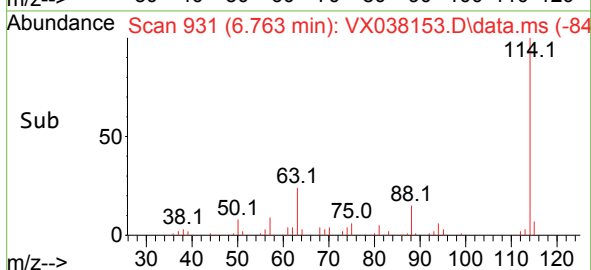
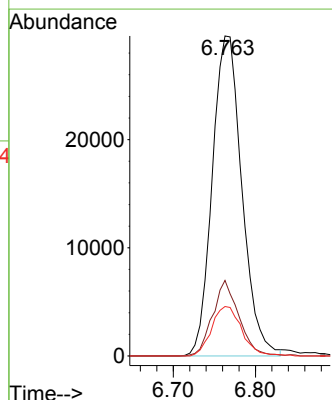
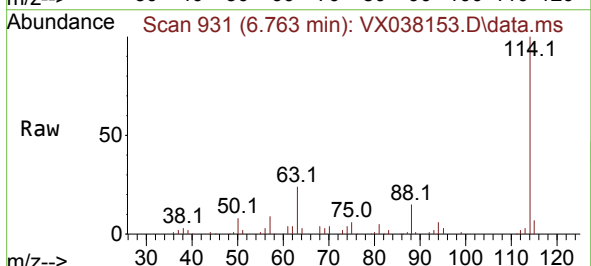
Tgt Ion: 114 Resp: 74117

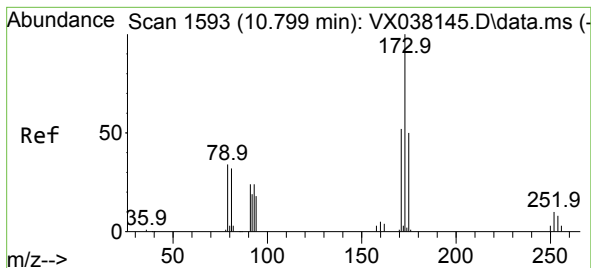
Ion Ratio Lower Upper

114 100

63 20.9 16.6 24.8

88 15.7 12.9 19.3





#56

Bromoform

Concen: 0.372 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX038153.D

Acq: 07 Oct 2023 02:56

Instrument :

MSVOA_X

ClientSampleId :

VX1006WBL02

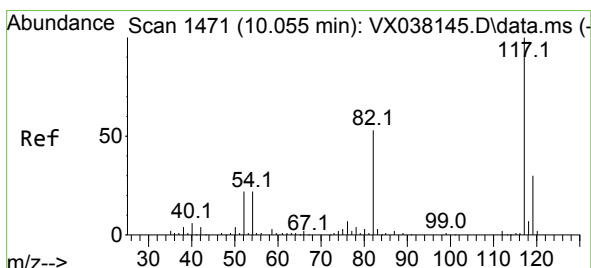
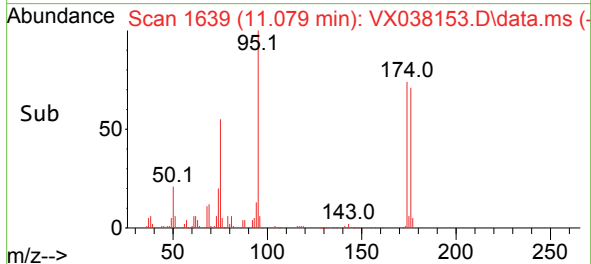
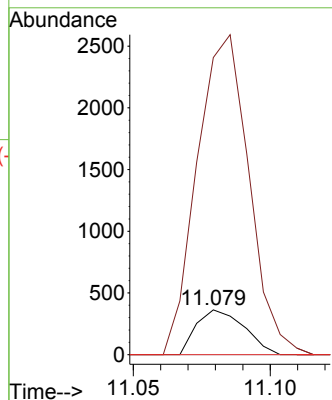
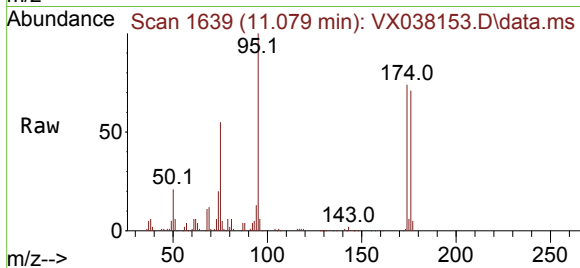
Tgt Ion:173 Resp: 442

Ion Ratio Lower Upper

173 100

175 773.5 38.1 57.1#

254 0.0 6.7 10.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX038153.D

Acq: 07 Oct 2023 02:56

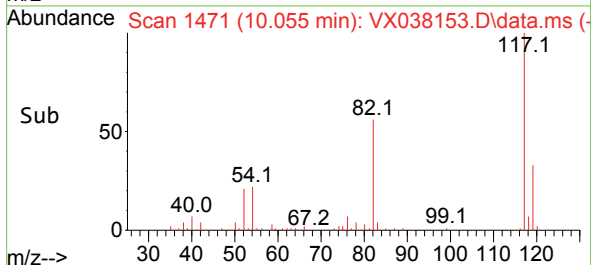
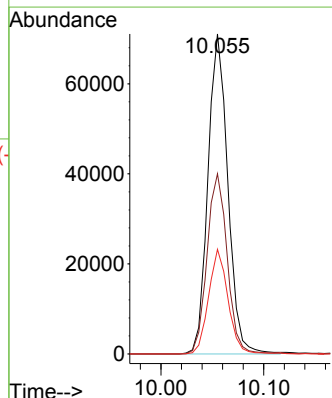
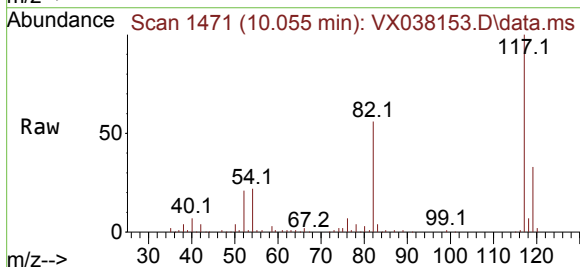
Tgt Ion:117 Resp: 95561

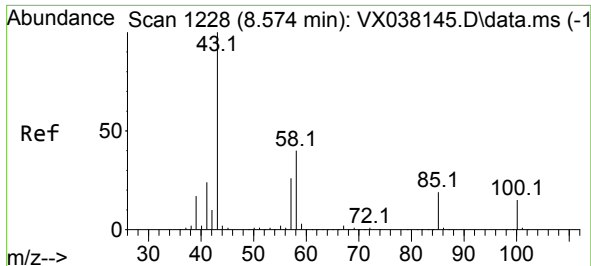
Ion Ratio Lower Upper

117 100

82 57.3 44.7 67.1

119 32.0 25.6 38.4

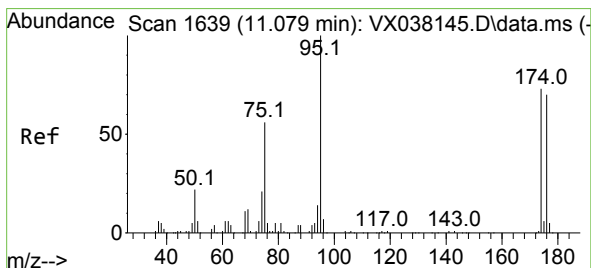
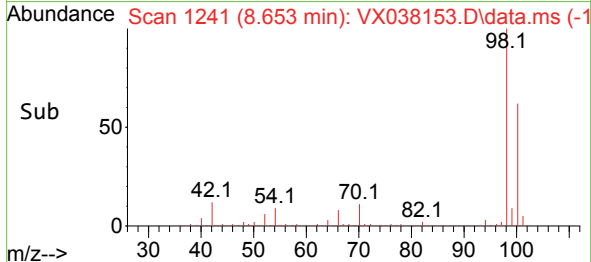
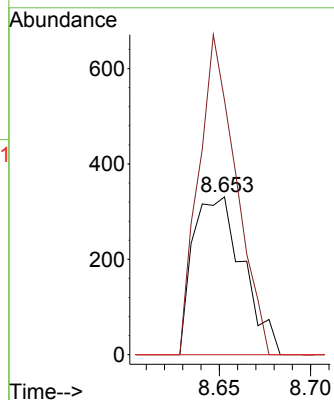
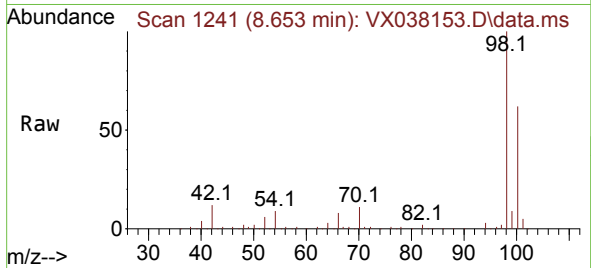




#58
4-Methyl-2-Pentanone
Concen: 0.263 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

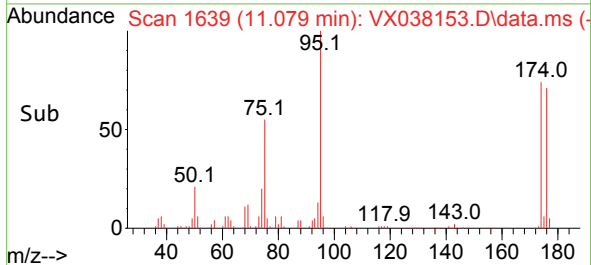
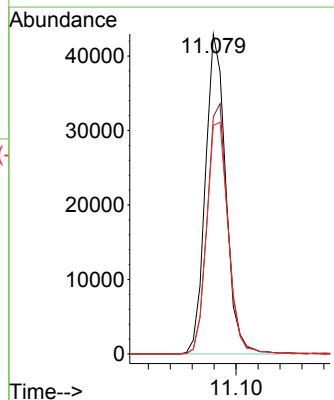
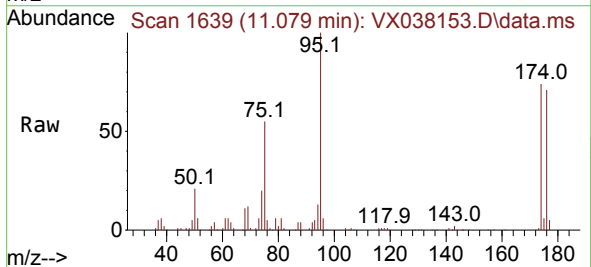
Instrument :
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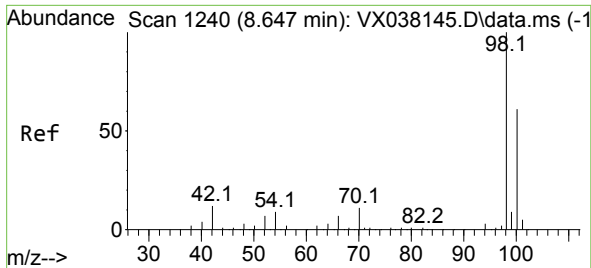
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 152.3 30.9 46.3#
85 0.0 14.4 21.6#



#60
4-Bromofluorobenzene
Concen: 27.804 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

Tgt Ion: 95 Resp: 55349
Ion Ratio Lower Upper
95 100
174 80.0 60.5 90.7
176 76.8 58.2 87.4

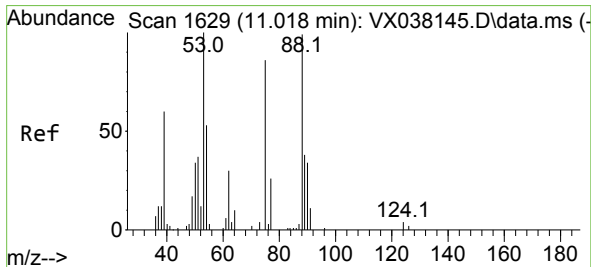
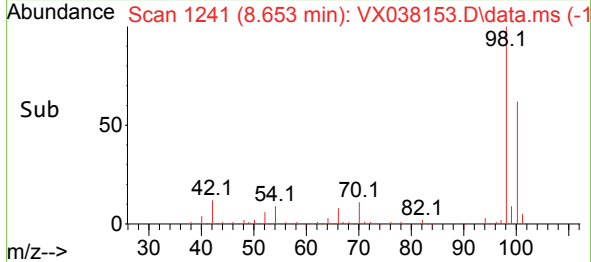
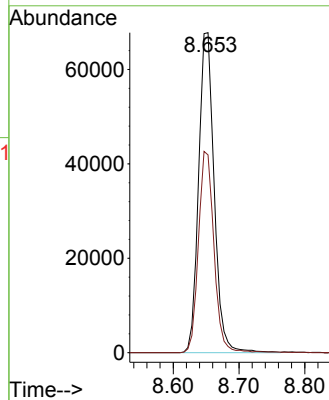
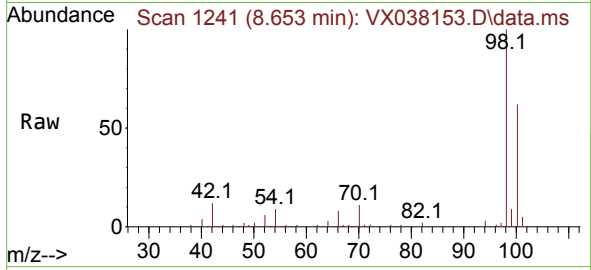




#63
Toluene-d8
Concen: 30.098 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

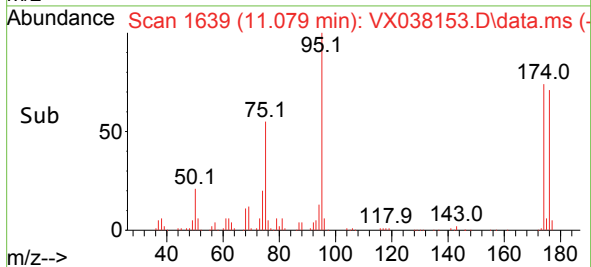
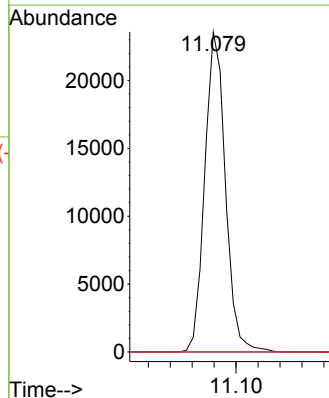
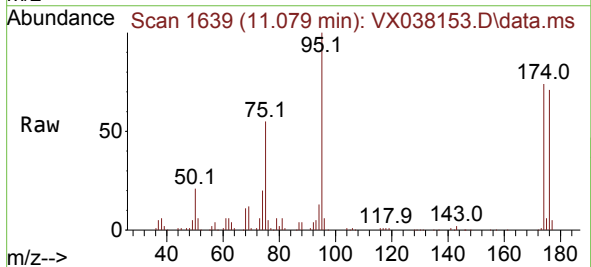
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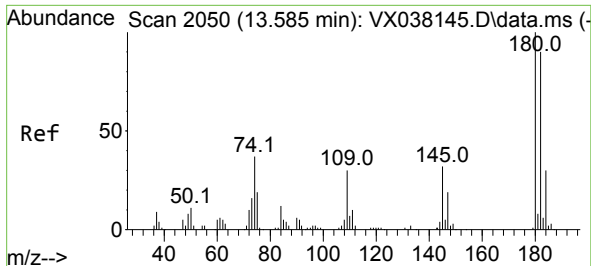
Tgt Ion: 98 Resp: 111374
Ion Ratio Lower Upper
98 100
100 62.4 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 47.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038153.D
Acq: 07 Oct 2023 02:56

Tgt Ion: 75 Resp: 30826
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#

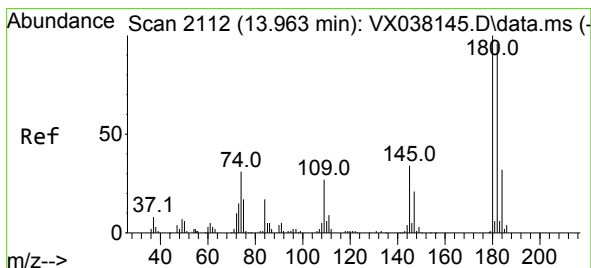
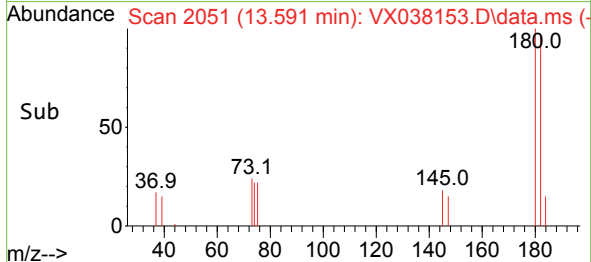
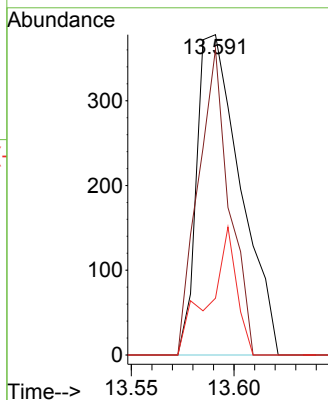
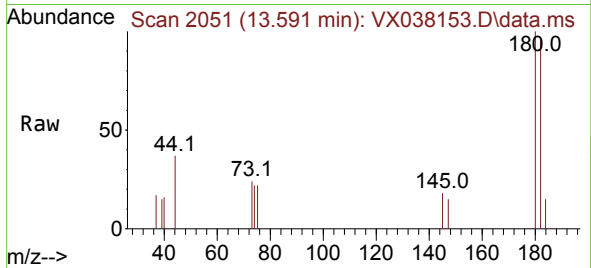




#89
 1,2,4-Trichlorobenzene
 Concen: 0.257 ug/l
 RT: 13.591 min Scan# 2050
 Delta R.T. 0.006 min
 Lab File: VX038153.D
 Acq: 07 Oct 2023 02:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1006WBL02

Tgt Ion:180 Resp: 560
 Ion Ratio Lower Upper
 180 100
 182 68.2 75.6 113.4#
 145 17.5 25.4 38.2#



#92
 1,2,3-Trichlorobenzene
 Concen: 0.221 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX038153.D
 Acq: 07 Oct 2023 02:56

Tgt Ion:180 Resp: 471
 Ion Ratio Lower Upper
 180 100
 182 81.1 0.0 190.6
 145 16.8 0.0 66.8

