

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036551.D
 Acq On : 14 Jul 2023 10:10
 Operator : JC/MD
 Sample : VX0715WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBL01

Quant Time: Jul 17 01:26:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

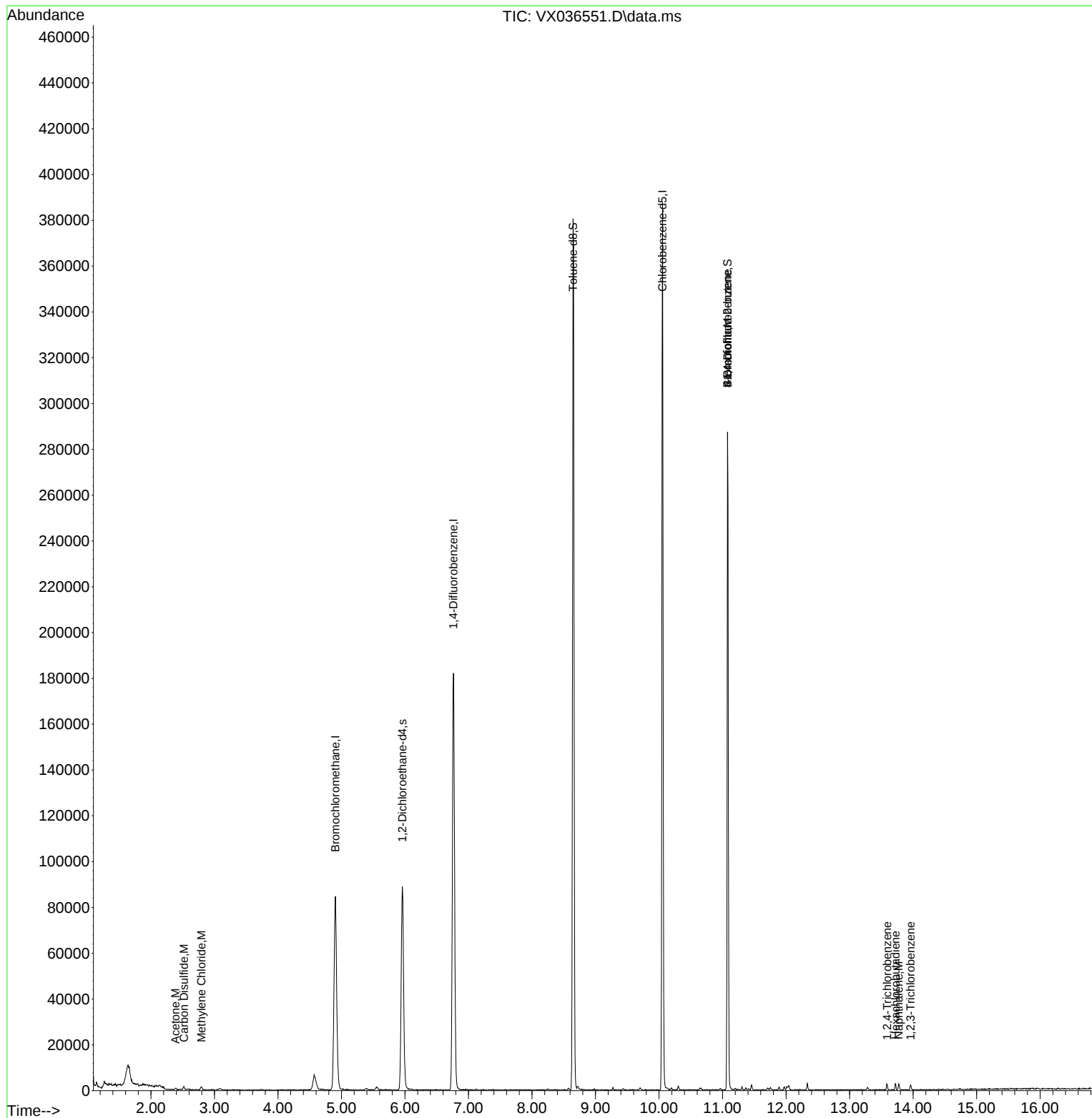
Internal Standards						
1) Bromochloromethane	4.903	128	34558	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	186795	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	166128	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	83683	29.176	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.267%
60) 4-Bromofluorobenzene	11.079	95	75164	27.893	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.967%
63) Toluene-d8	8.647	98	230646	30.171	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.567%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	167	0.443	ug/l #	21
16) Carbon Disulfide	2.520	76	1917	0.391	ug/l	99
18) Methylene Chloride	2.794	84	752	0.309	ug/l #	90
56) Bromoform	11.079	173	517	0.318	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	39025	35.994	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.591	180	821	0.289	ug/l #	92
90) Hexachlorobutadiene	13.725	225	487	0.472	ug/l	89
91) Naphthalene	13.774	128	2272	0.228	ug/l #	95
92) 1,2,3-Trichlorobenzene	13.963	180	744	0.260	ug/l	84

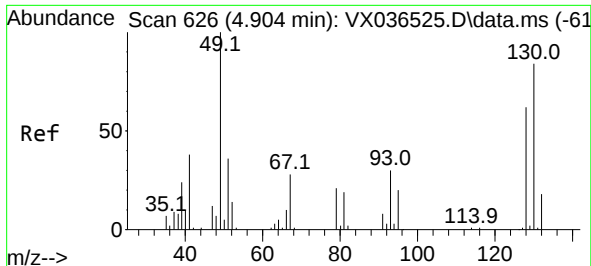
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 17 01:26:56 2023
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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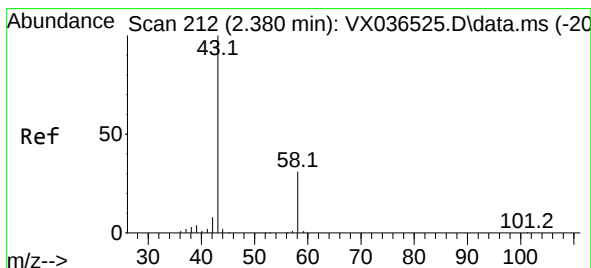
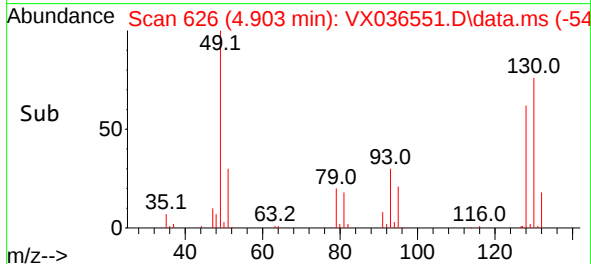
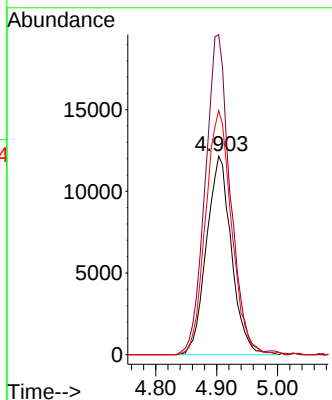
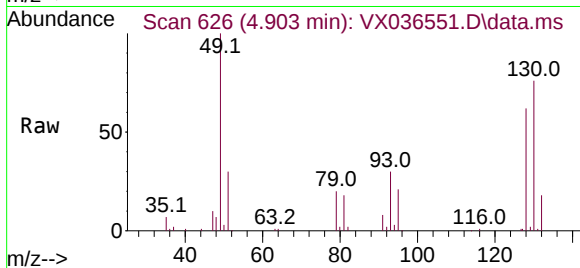




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

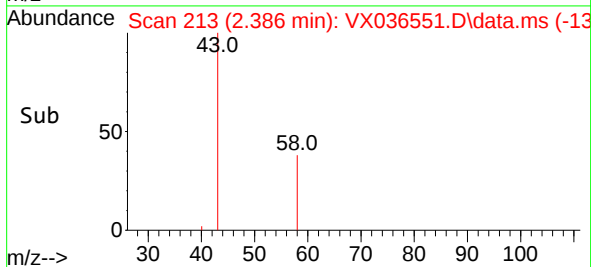
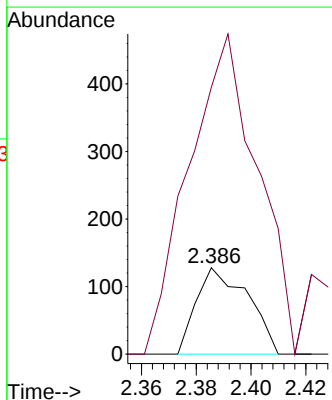
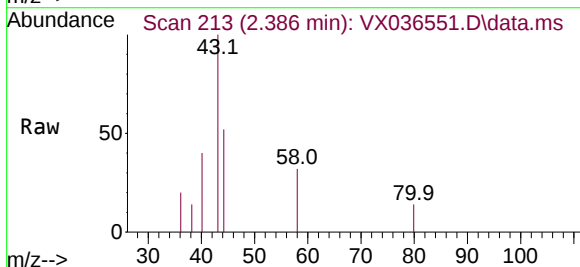
Instrument :
MSVOA_X
ClientSampleId :
VX0715WBL01

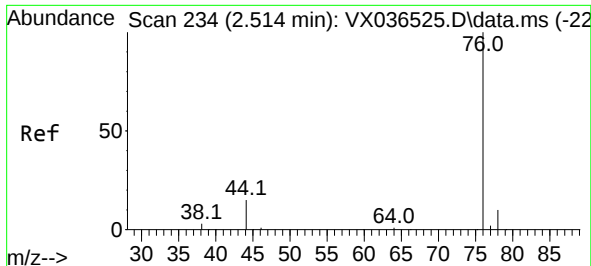
Tgt Ion:128 Resp: 34558
Ion Ratio Lower Upper
128 100
49 161.3 0.0 406.3
130 128.4 0.0 328.0



#15
Acetone
Concen: 0.443 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

Tgt Ion: 58 Resp: 167
Ion Ratio Lower Upper
58 100
43 163.3 261.0 391.4#

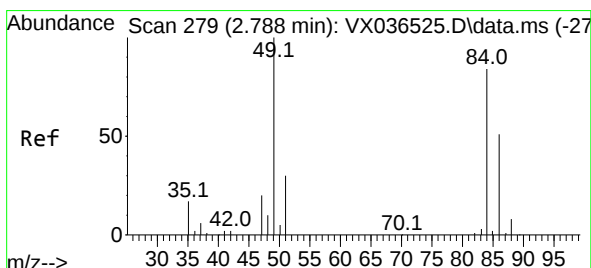
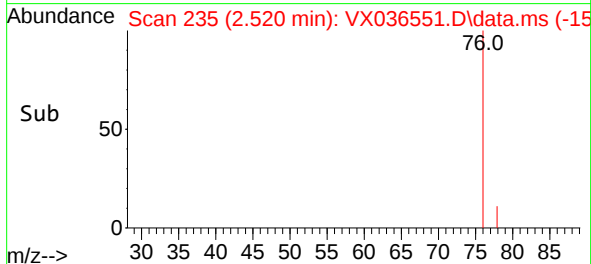
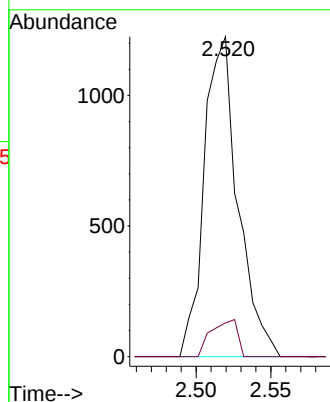
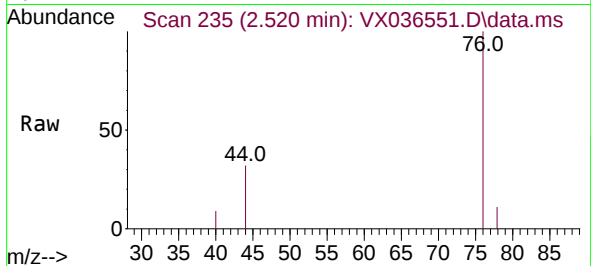




#16
Carbon Disulfide
Concen: 0.391 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

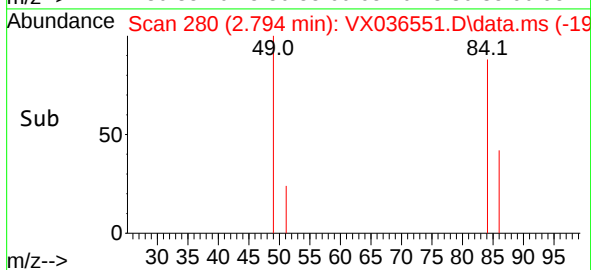
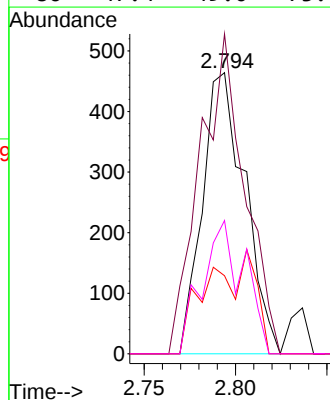
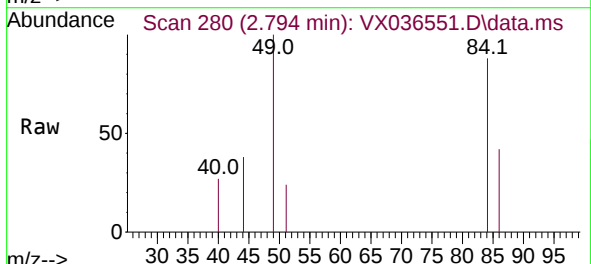
Instrument :
MSVOA_X
ClientSampleId :
VX0715WBL01

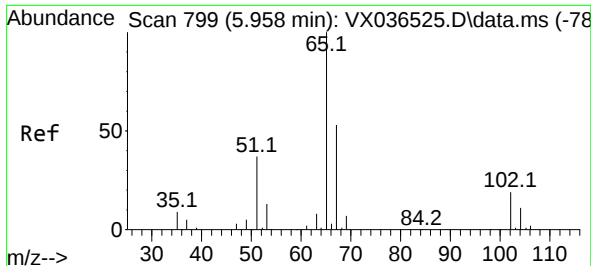
Tgt Ion: 76 Resp: 1917
Ion Ratio Lower Upper
76 100
78 10.5 8.0 12.0



#18
Methylene Chloride
Concen: 0.309 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

Tgt Ion: 84 Resp: 752
Ion Ratio Lower Upper
84 100
49 113.8 95.4 143.0
51 27.8 28.3 42.5#
86 47.4 49.0 73.6#

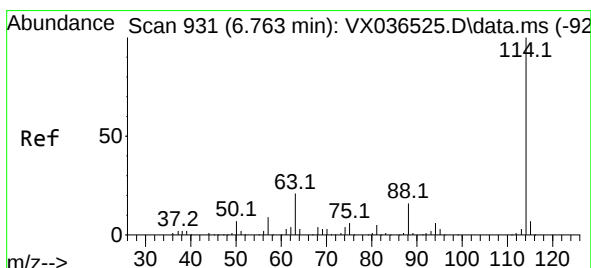
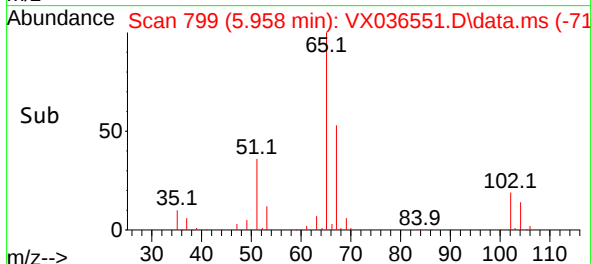
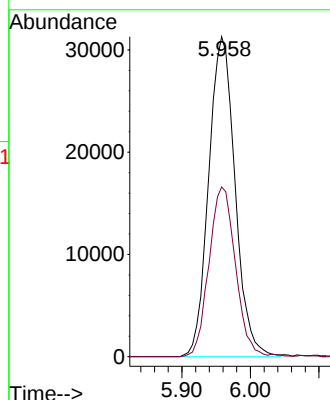
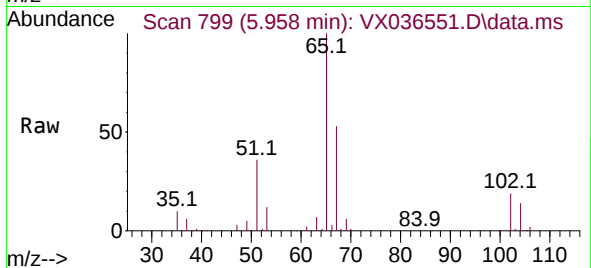




#27
 1,2-Dichloroethane-d4
 Concen: 29.176 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX036551.D
 Acq: 14 Jul 2023 10:10

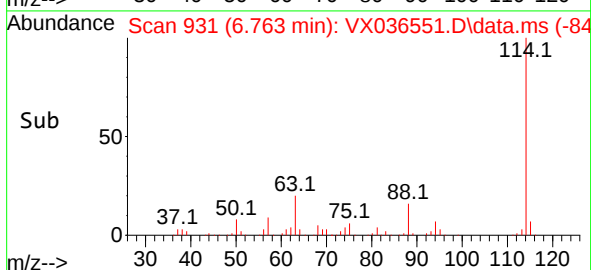
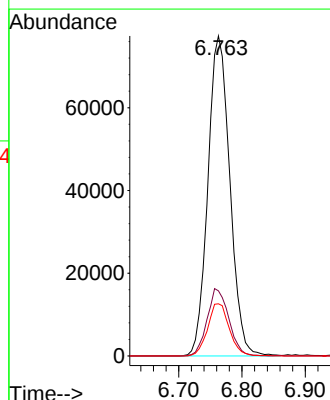
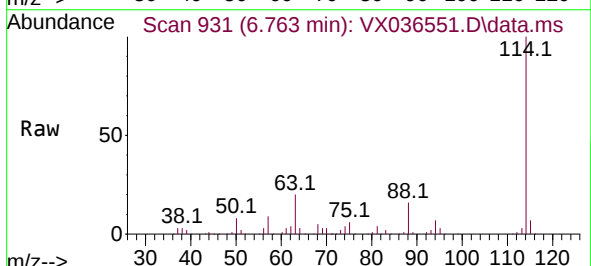
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBL01

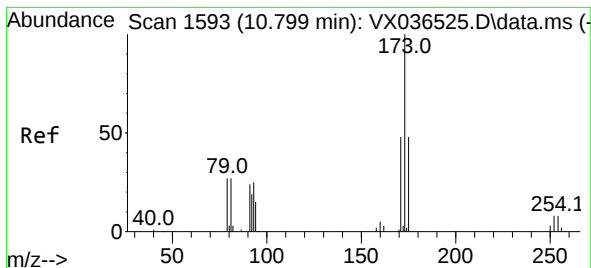
Tgt Ion: 65 Resp: 83683
 Ion Ratio Lower Upper
 65 100
 67 53.0 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036551.D
 Acq: 14 Jul 2023 10:10

Tgt Ion: 114 Resp: 186795
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.6 24.8
 88 16.0 12.9 19.3





#56

Bromoform

Concen: 0.318 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX036551.D

Acq: 14 Jul 2023 10:10

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBL01

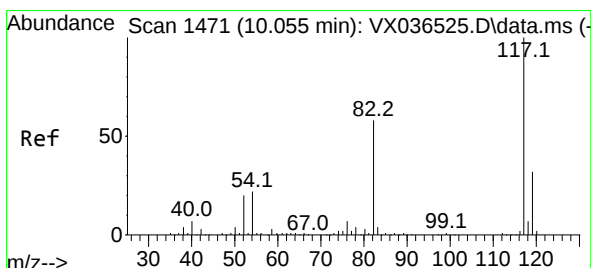
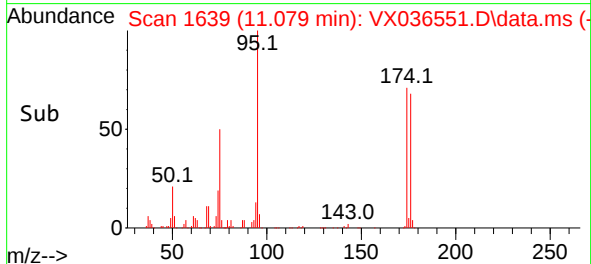
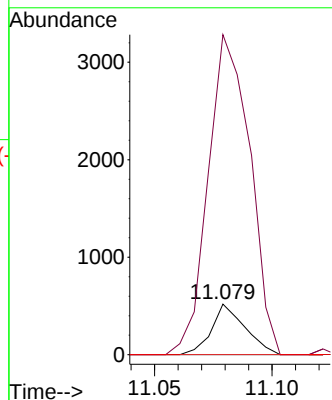
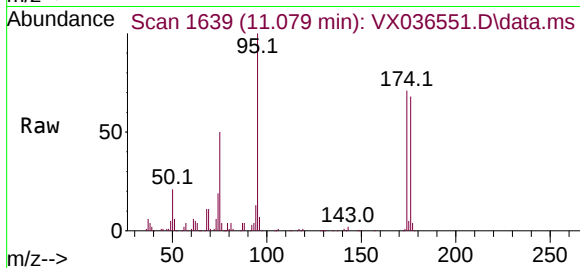
Tgt Ion:173 Resp: 517

Ion Ratio Lower Upper

173 100

175 787.4 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: VX036551.D

Acq: 14 Jul 2023 10:10

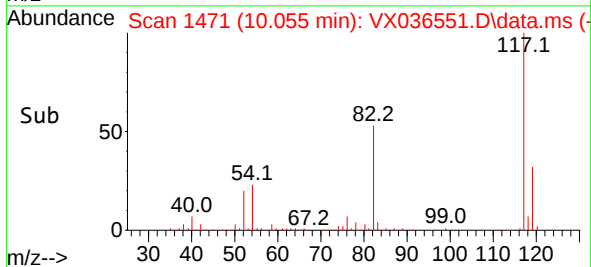
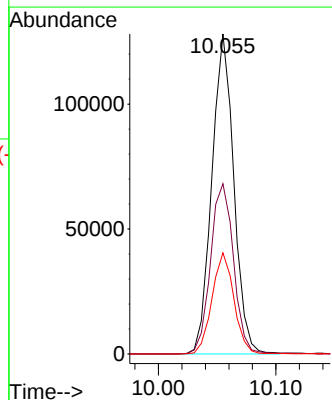
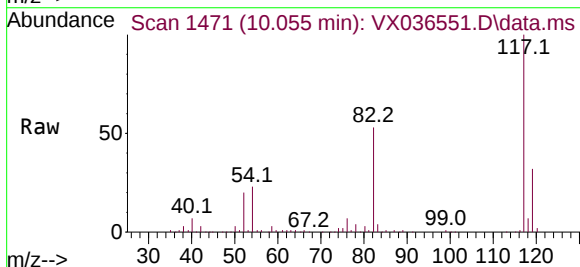
Tgt Ion:117 Resp: 166128

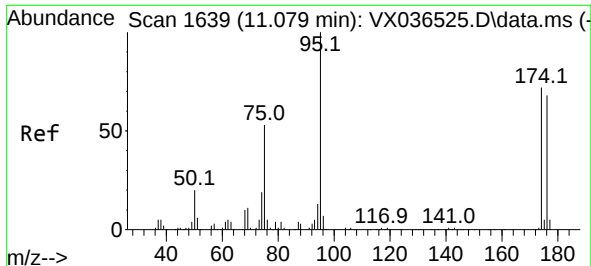
Ion Ratio Lower Upper

117 100

82 55.5 44.7 67.1

119 31.3 25.6 38.4

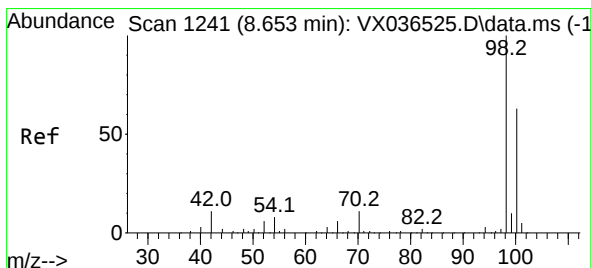
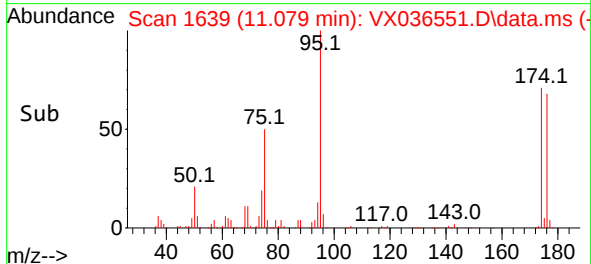
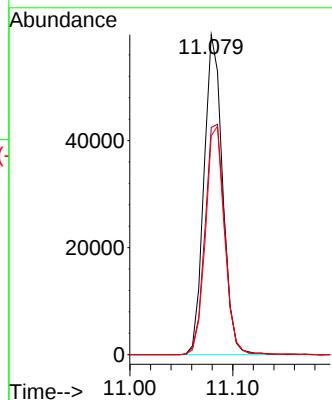
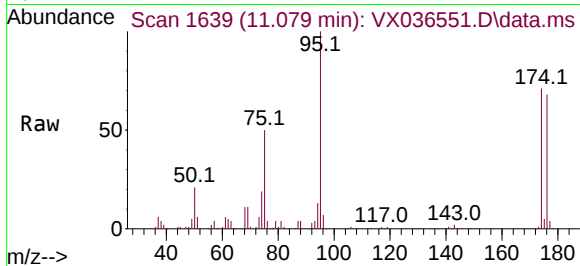




#60
4-Bromofluorobenzene
Concen: 27.893 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

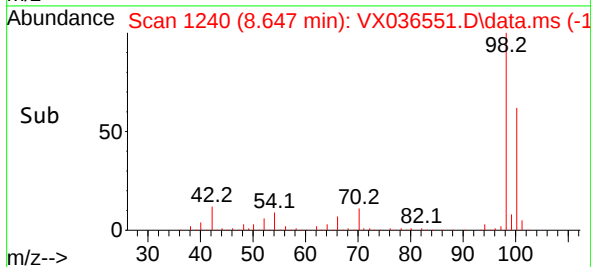
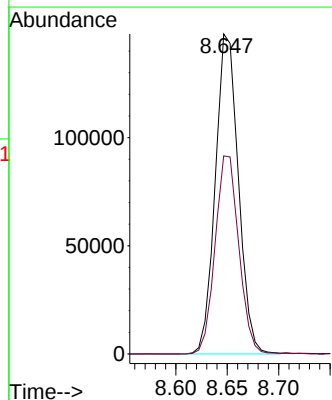
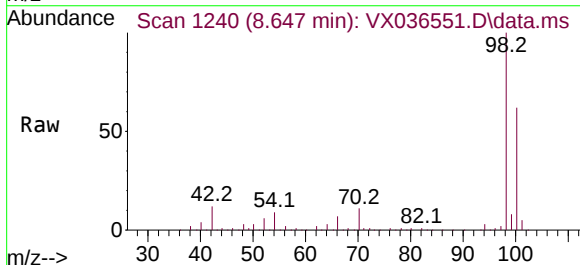
Instrument :
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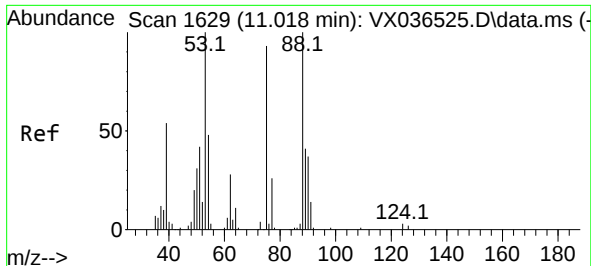
Tgt Ion: 95 Resp: 75164
Ion Ratio Lower Upper
95 100
174 76.5 60.5 90.7
176 72.7 58.2 87.4



#63
Toluene-d8
Concen: 30.171 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

Tgt Ion: 98 Resp: 230646
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

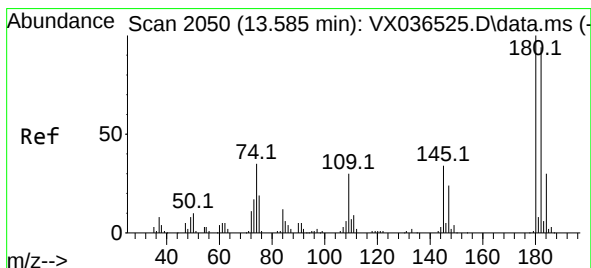
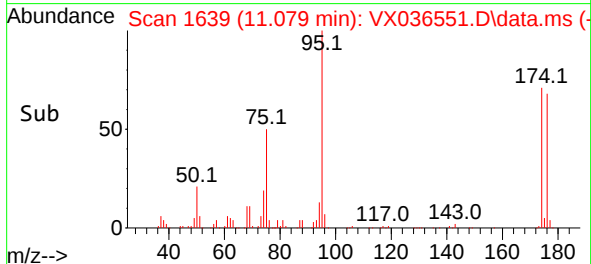
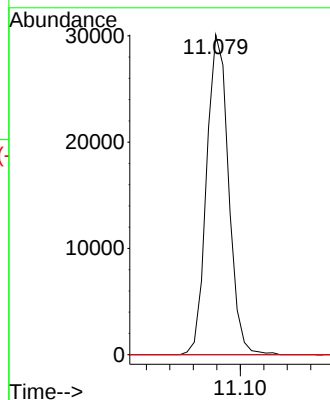
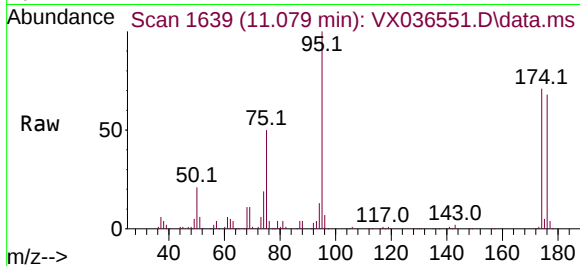




#77
t-1,4-Dichloro-2-butene
Concen: 35.994 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

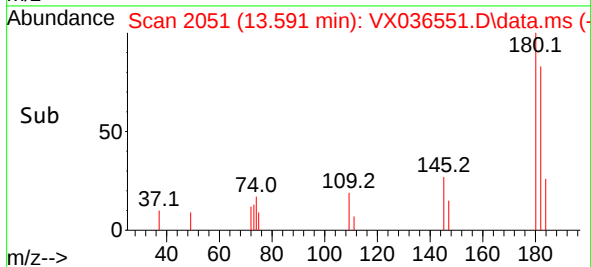
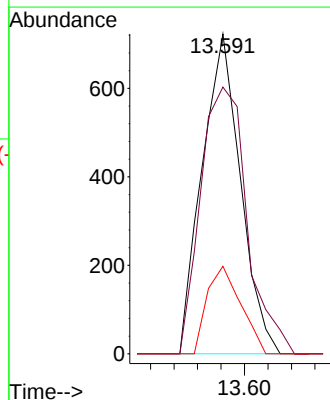
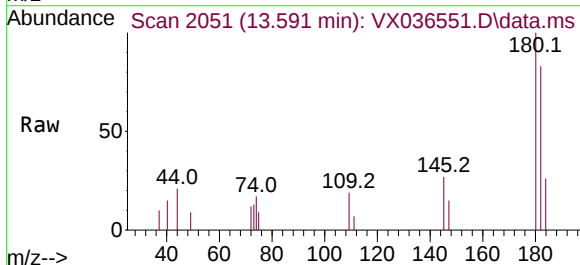
Instrument :
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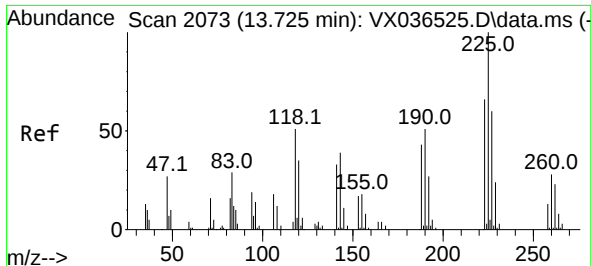
Tgt Ion: 75 Resp: 39025
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#



#89
1,2,4-Trichlorobenzene
Concen: 0.289 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

Tgt Ion: 180 Resp: 821
Ion Ratio Lower Upper
180 100
182 100.7 75.6 113.4
145 24.1 25.4 38.2#

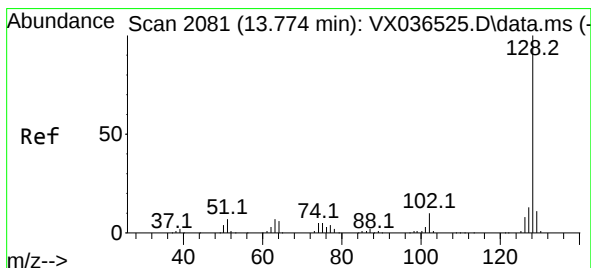
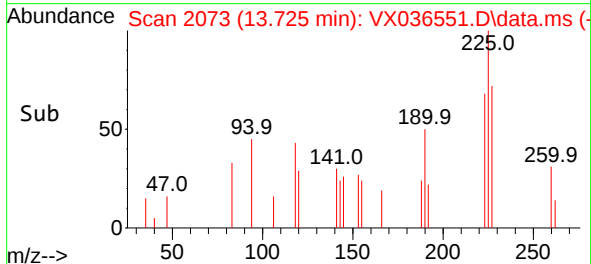
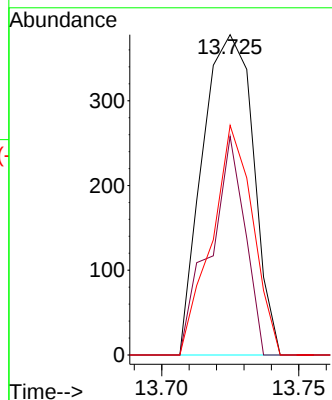
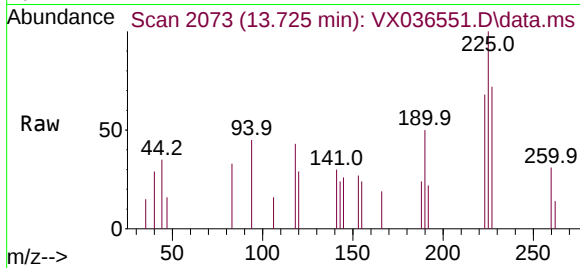




#90
Hexachlorobutadiene
Concen: 0.472 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

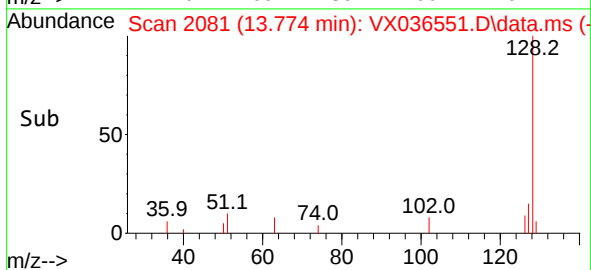
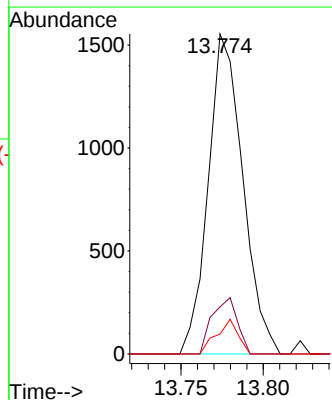
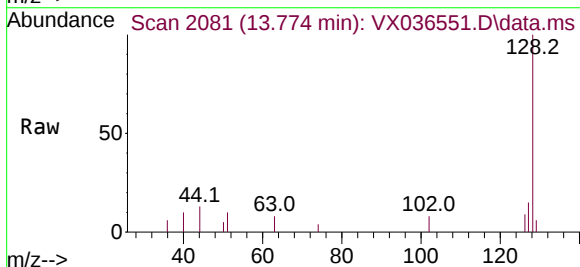
Instrument :
MSVOA_X
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VX0715WBL01

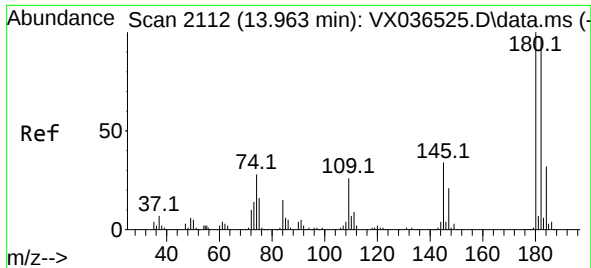
Tgt Ion:225 Resp: 487
Ion Ratio Lower Upper
225 100
223 46.8 0.0 124.2
227 58.1 0.0 120.4



#91
Naphthalene
Concen: 0.228 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036551.D
Acq: 14 Jul 2023 10:10

Tgt Ion:128 Resp: 2272
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 6.7 8.7 13.1#





#92

1,2,3-Trichlorobenzene

Concen: 0.260 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX036551.D

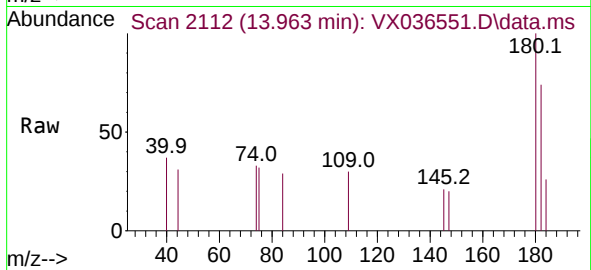
Acq: 14 Jul 2023 10:10

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBL01



Tgt Ion:180 Resp: 744

Ion Ratio Lower Upper

180 100

182 80.0 0.0 190.6

145 24.6 0.0 66.8

