

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038156.D
 Acq On : 07 Oct 2023 04:06
 Operator : JC/MD
 Sample : 04802-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 231005066-01

Quant Time: Oct 07 06:37:36 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)

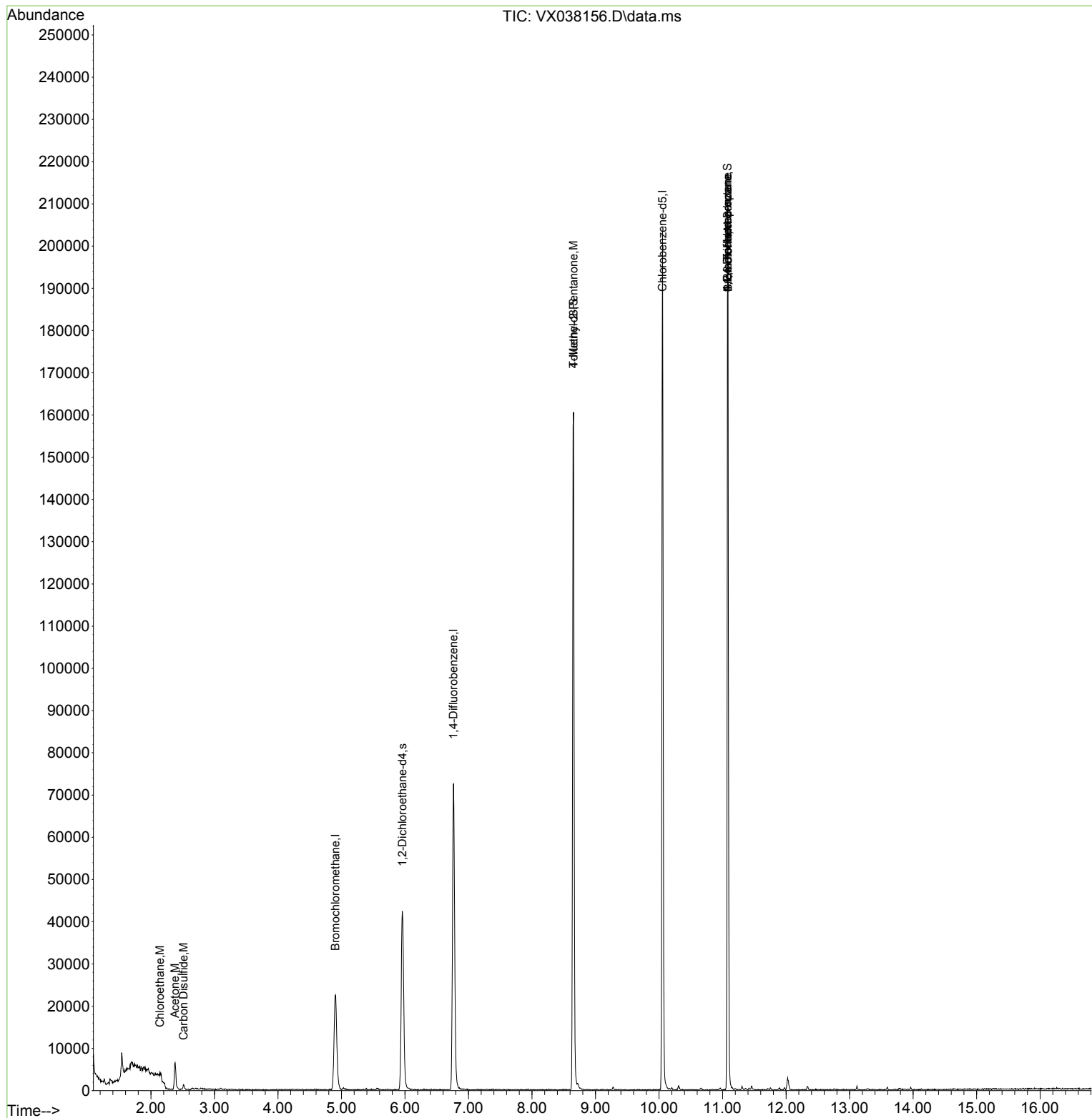
Internal Standards						
1) Bromochloromethane	4.903	128	9703	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73345	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	89050	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	41369	31.208	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.033%
60) 4-Bromofluorobenzene	11.079	95	54098	29.163	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.200%
63) Toluene-d8	8.652	98	98630	28.602	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.333%
Target Compounds						
					Qvalue	
6) Chloroethane	2.141	64	1027	0.891	ug/l	91
15) Acetone	2.379	58	2210	9.691	ug/l	96
16) Carbon Disulfide	2.513	76	1368	0.477	ug/l #	88
56) Bromoform	11.085	173	460	0.391	ug/l #	1
58) 4-Methyl-2-Pentanone	8.652	43	536	0.240	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	30152	13.468	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	30152	49.477	ug/l #	7

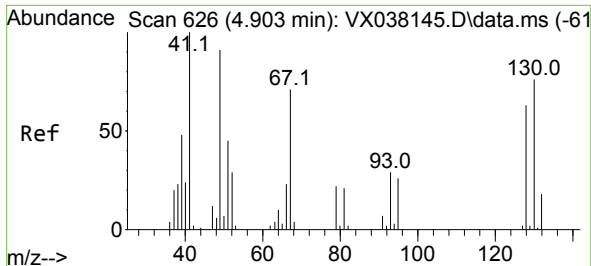
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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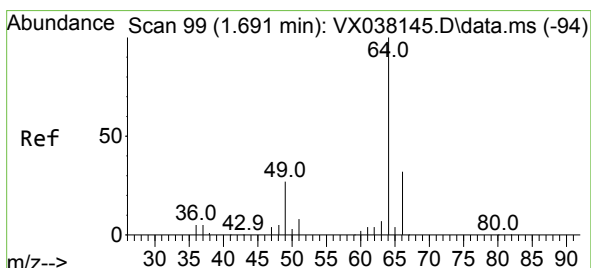
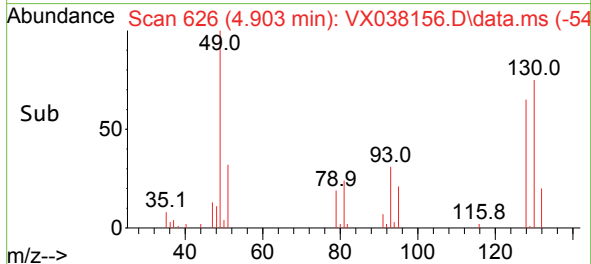
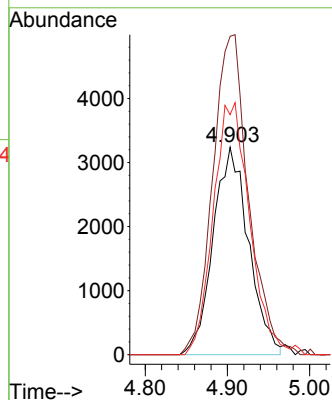
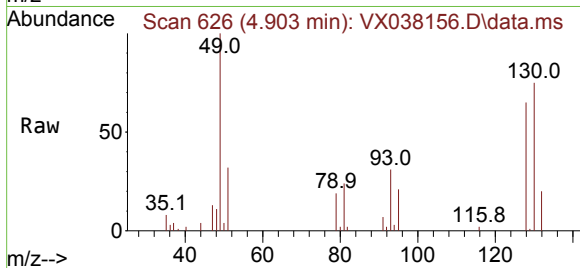




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX038156.D
Acq: 07 Oct 2023 04:06

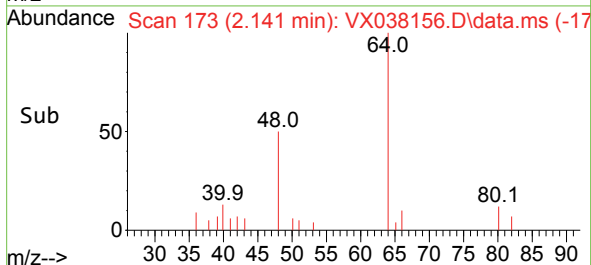
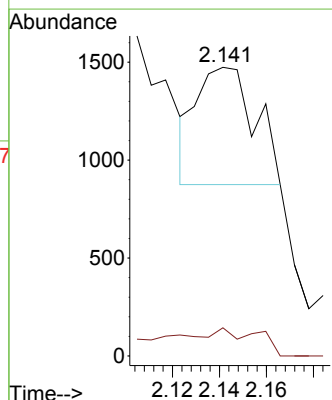
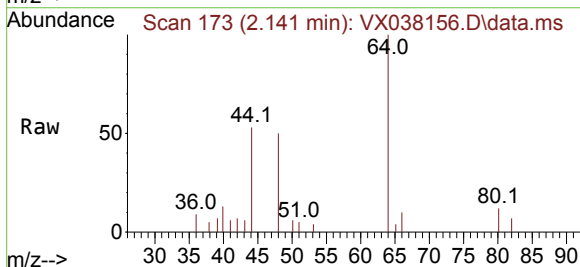
Instrument :
MSVOA_X
ClientSampleId :
231005066-01

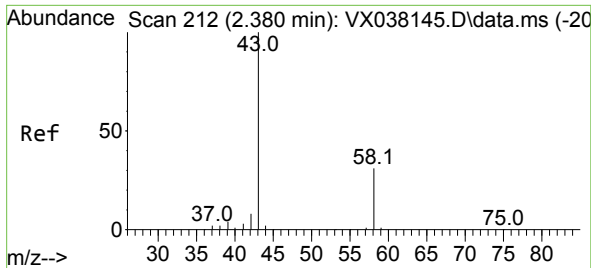
Tgt Ion:128 Resp: 9703
Ion Ratio Lower Upper
128 100
49 156.3 0.0 406.3
130 124.8 0.0 328.0



#6
Chloroethane
Concen: 0.891 ug/l
RT: 2.141 min Scan# 173
Delta R.T. 0.451 min
Lab File: VX038156.D
Acq: 07 Oct 2023 04:06

Tgt Ion: 64 Resp: 1027
Ion Ratio Lower Upper
64 100
66 24.0 23.1 34.7





#15

Acetone

Concen: 9.691 ug/l

RT: 2.379 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX038156.D

Acq: 07 Oct 2023 04:06

Instrument :

MSVOA_X

ClientSampleId :

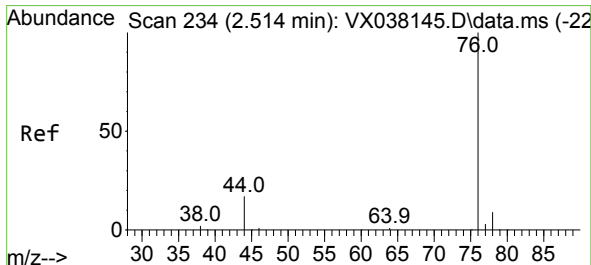
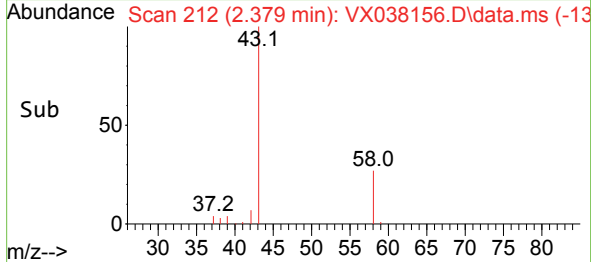
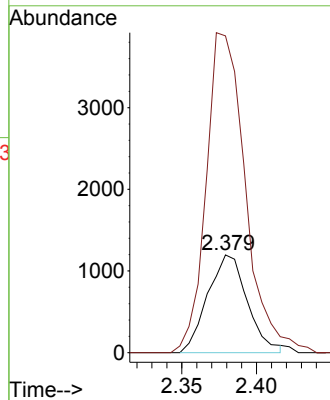
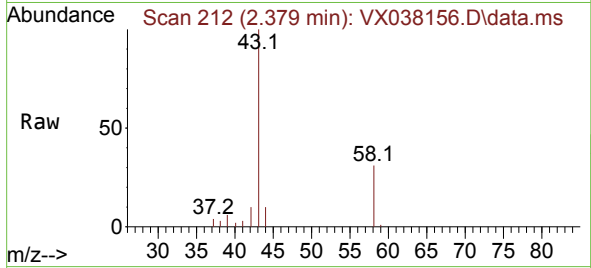
231005066-01

Tgt Ion: 58 Resp: 2210

Ion Ratio Lower Upper

58 100

43 317.6 261.0 391.4



#16

Carbon Disulfide

Concen: 0.477 ug/l

RT: 2.513 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX038156.D

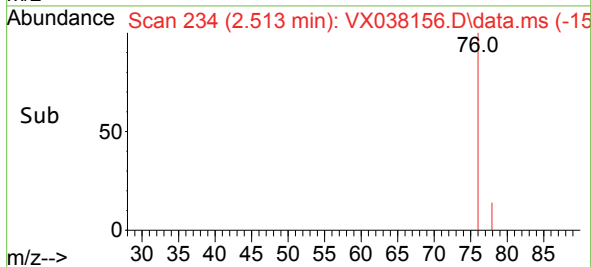
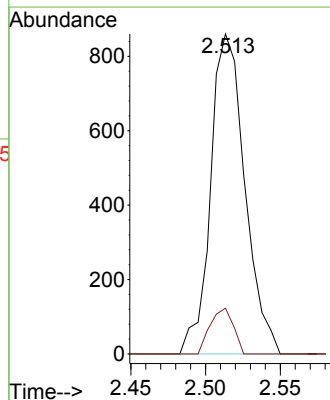
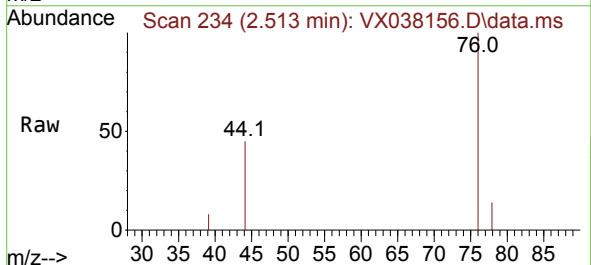
Acq: 07 Oct 2023 04:06

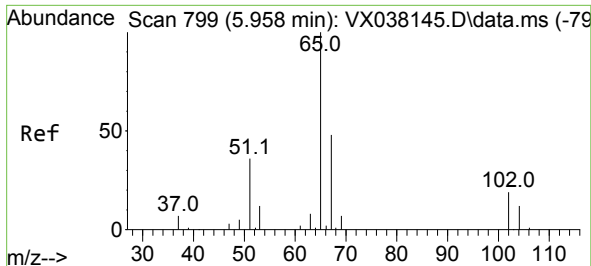
Tgt Ion: 76 Resp: 1368

Ion Ratio Lower Upper

76 100

78 14.3 8.0 12.0#

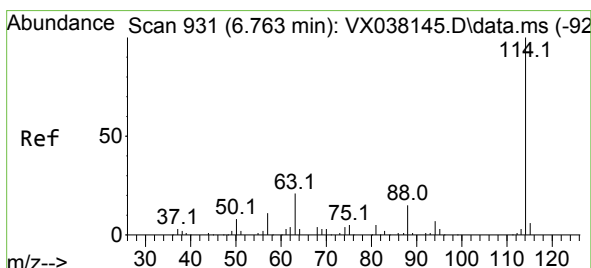
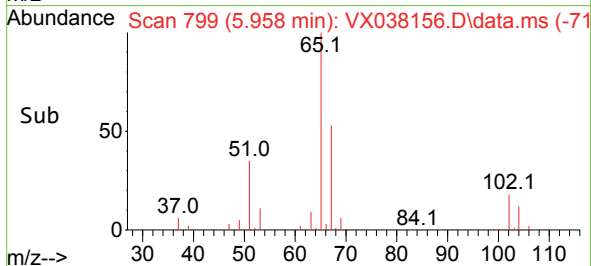
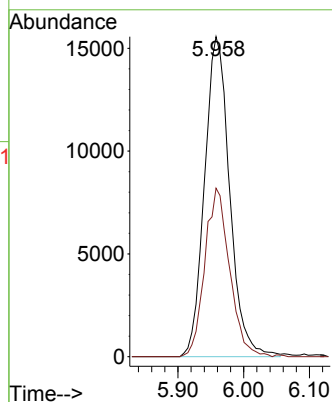
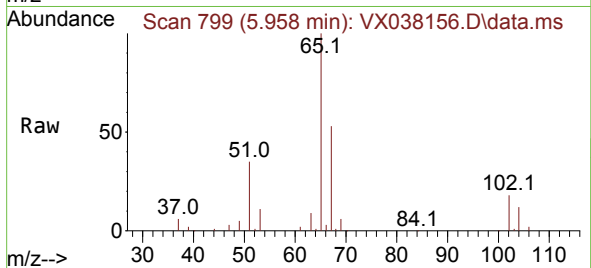




#27
 1,2-Dichloroethane-d4
 Concen: 31.208 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX038156.D
 Acq: 07 Oct 2023 04:06

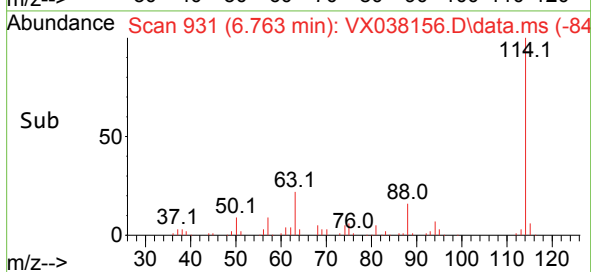
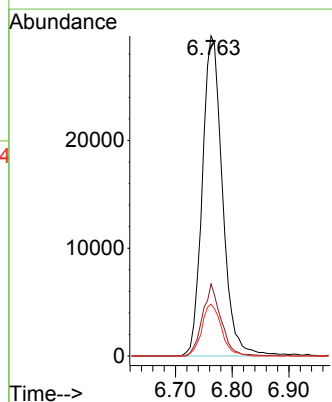
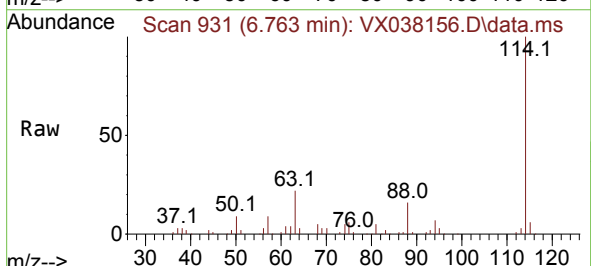
Instrument :
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 ClientSampleId :
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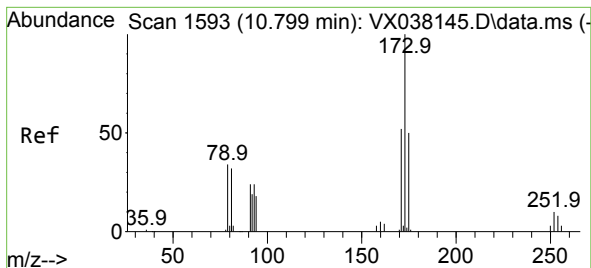
Tgt Ion: 65 Resp: 41369
 Ion Ratio Lower Upper
 65 100
 67 51.9 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038156.D
 Acq: 07 Oct 2023 04:06

Tgt Ion: 114 Resp: 73345
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.6 24.8
 88 15.7 12.9 19.3





#56

Bromoform

Concen: 0.391 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX038156.D

Acq: 07 Oct 2023 04:06

Instrument :

MSVOA_X

ClientSampleId :

231005066-01

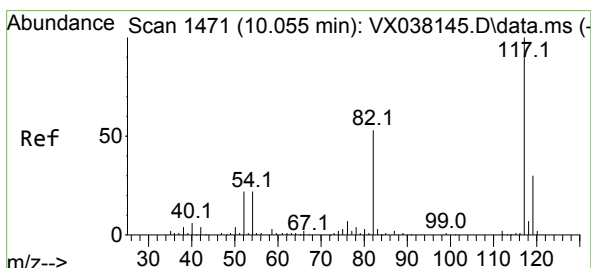
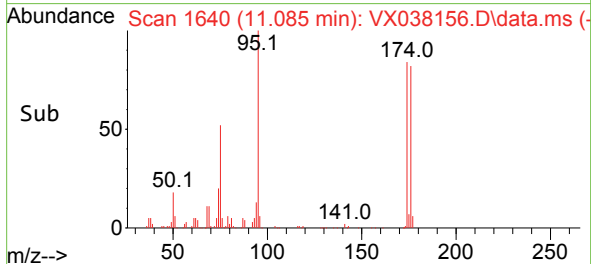
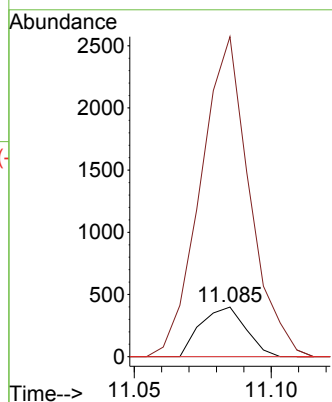
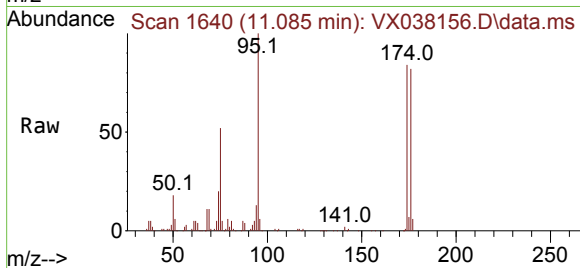
Tgt Ion:173 Resp: 460

Ion Ratio Lower Upper

173 100

175 696.5 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: VX038156.D

Acq: 07 Oct 2023 04:06

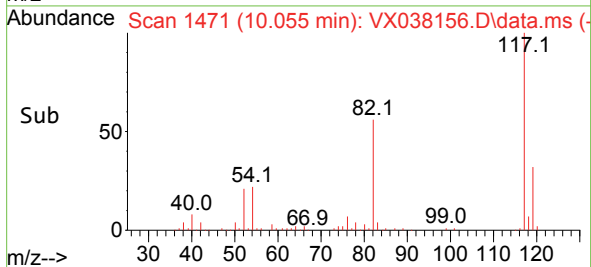
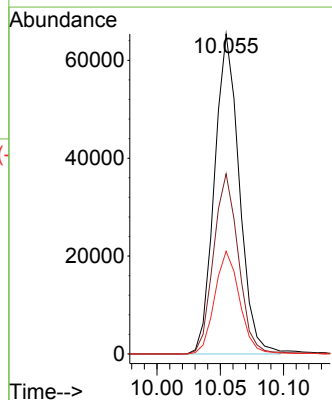
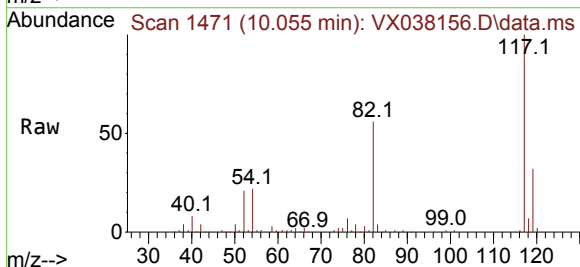
Tgt Ion:117 Resp: 89050

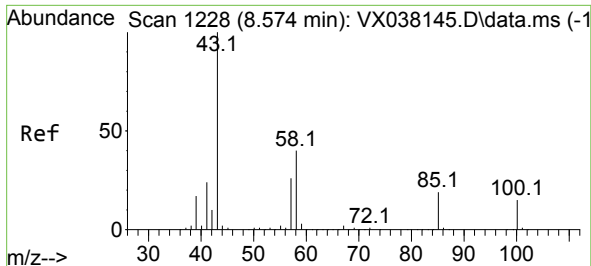
Ion Ratio Lower Upper

117 100

82 56.8 44.7 67.1

119 32.3 25.6 38.4

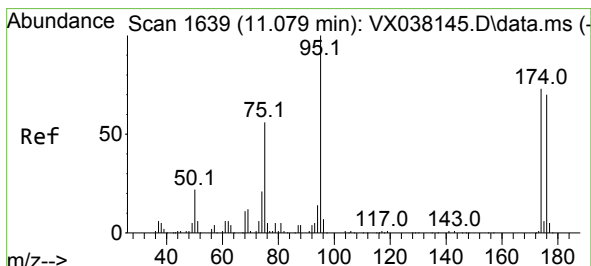
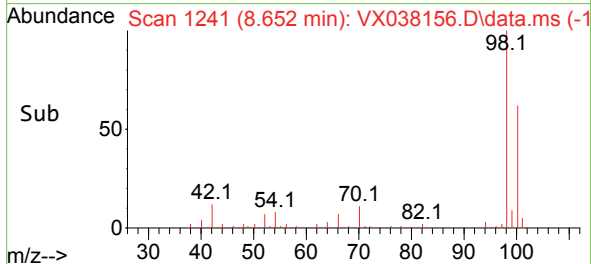
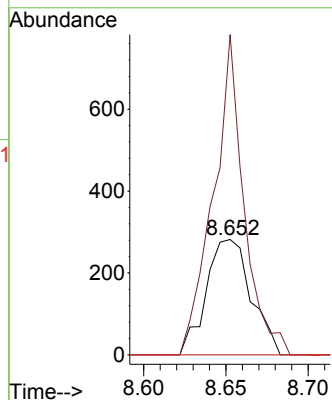
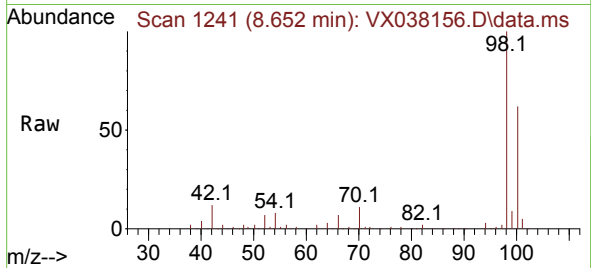




#58
 4-Methyl-2-Pentanone
 Concen: 0.240 ug/l
 RT: 8.652 min Scan# 1241
 Delta R.T. 0.079 min
 Lab File: VX038156.D
 Acq: 07 Oct 2023 04:06

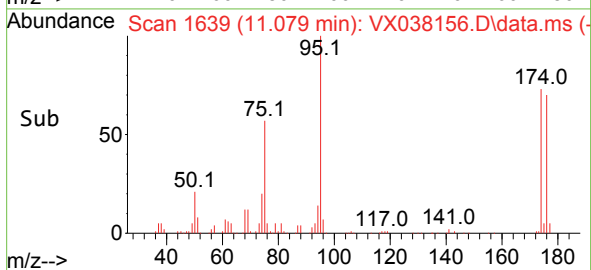
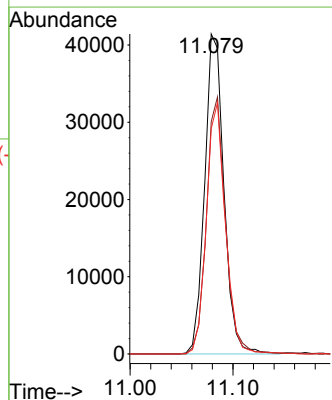
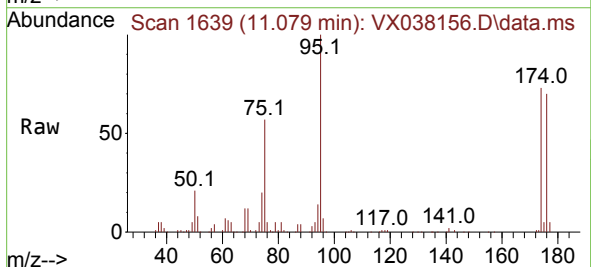
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 231005066-01

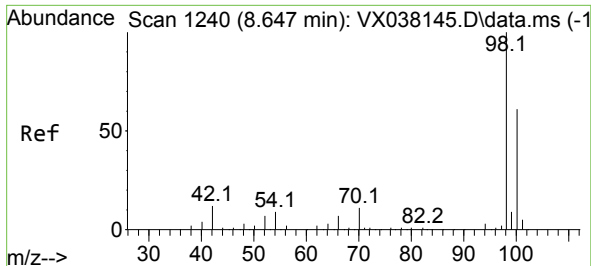
Tgt Ion: 43 Resp: 536
 Ion Ratio Lower Upper
 43 100
 58 189.7 30.9 46.3#
 85 0.0 14.4 21.6#



#60
 4-Bromofluorobenzene
 Concen: 29.163 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX038156.D
 Acq: 07 Oct 2023 04:06

Tgt Ion: 95 Resp: 54098
 Ion Ratio Lower Upper
 95 100
 174 79.1 60.5 90.7
 176 77.5 58.2 87.4

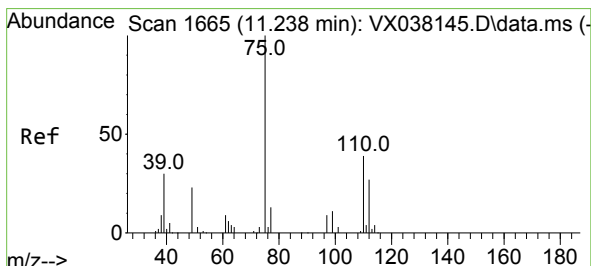
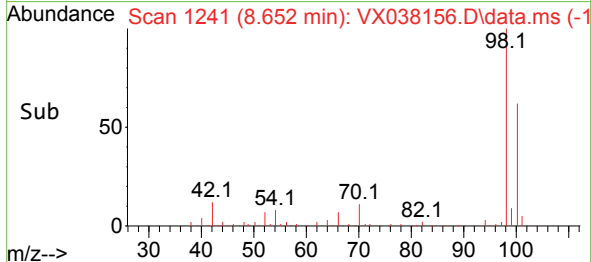
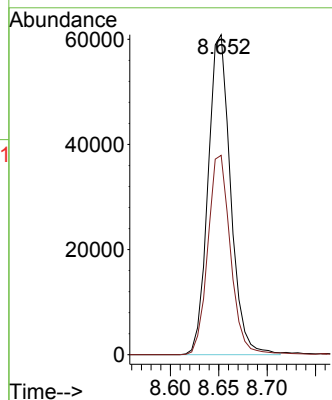
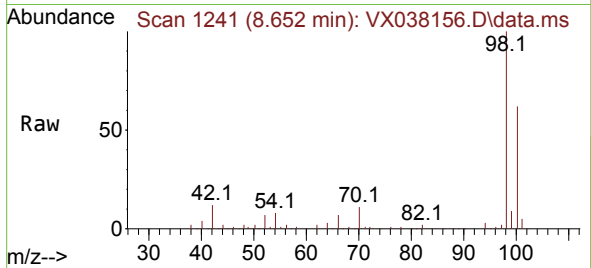




#63
Toluene-d8
Concen: 28.602 ug/l
RT: 8.652 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038156.D
Acq: 07 Oct 2023 04:06

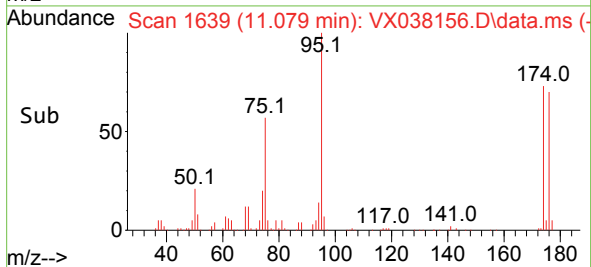
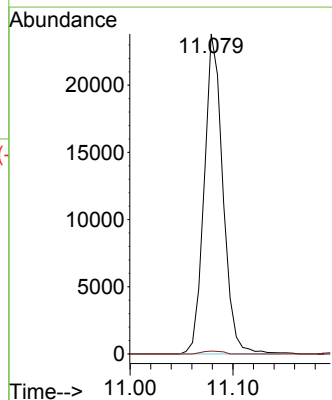
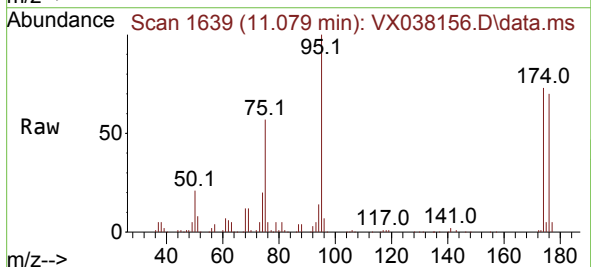
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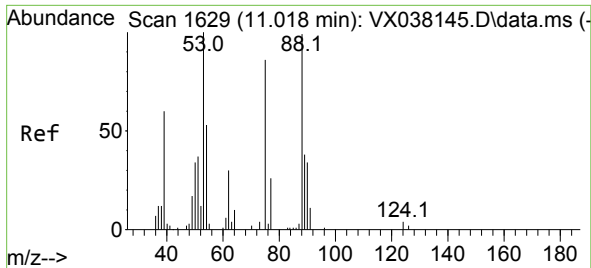
Tgt Ion: 98 Resp: 98630
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 13.468 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038156.D
Acq: 07 Oct 2023 04:06

Tgt Ion: 75 Resp: 30152
Ion Ratio Lower Upper
75 100
77 1.0 0.0 77.2





#77

t-1,4-Dichloro-2-butene

Concen: 49.477 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX038156.D

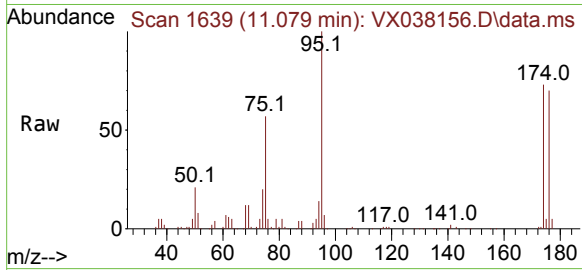
Acq: 07 Oct 2023 04:06

Instrument :

MSVOA_X

ClientSampleId :

231005066-01



Tgt Ion: 75 Resp: 30152

Ion Ratio Lower Upper

75 100

53 0.0 53.9 161.7#

89 0.0 22.1 66.1#

