

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035820.D
 Acq On : 23 May 2023 17:39
 Operator : JC/MD
 Sample : 02899-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

Quant Time: May 24 05:51:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

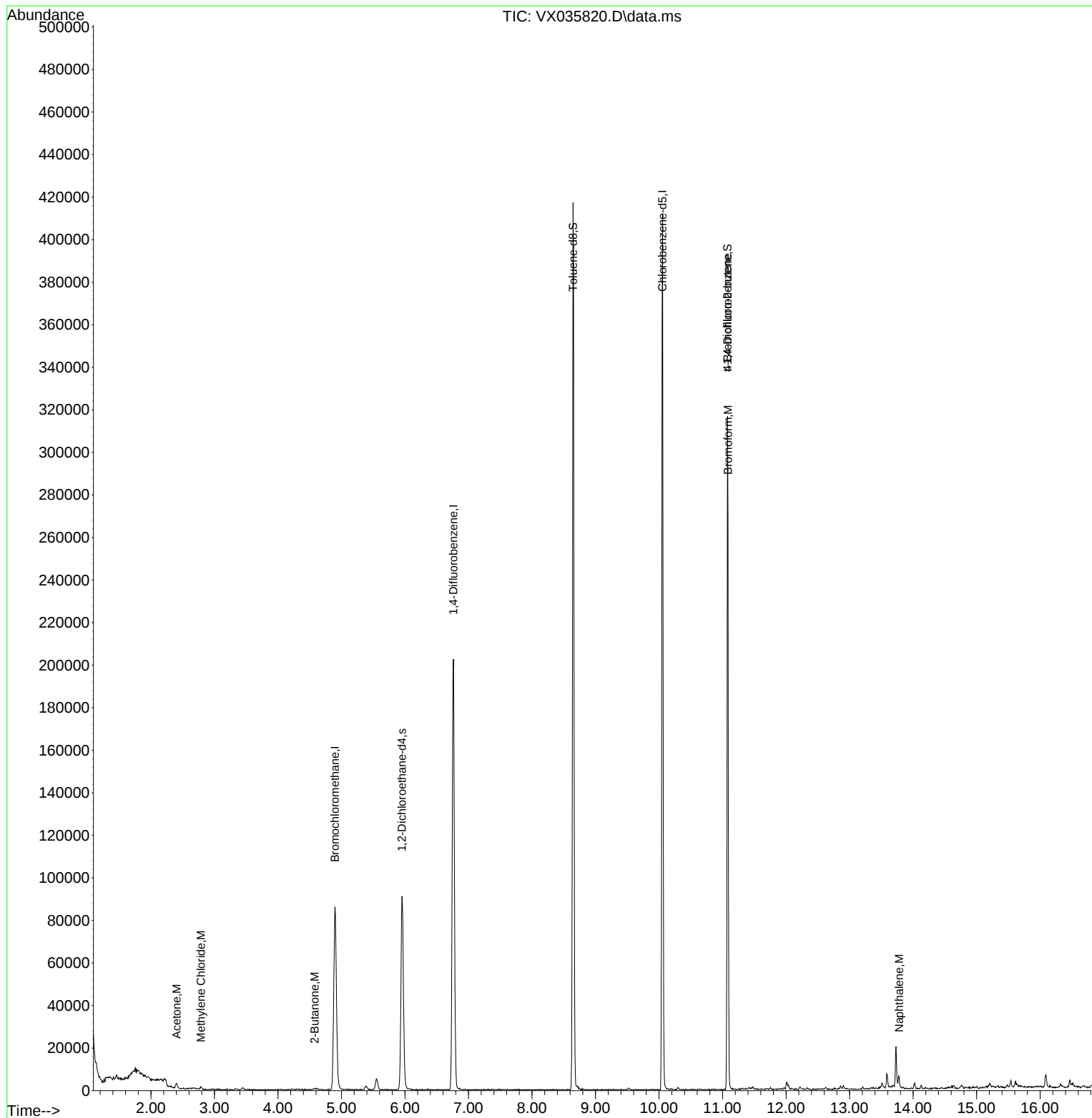
Internal Standards						
1) Bromochloromethane	4.897	128	34901	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	203525	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	173916	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	86983	29.995	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.000%
60) 4-Bromofluorobenzene	11.079	95	80257	27.502	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.667%
63) Toluene-d8	8.647	98	236591	30.772	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.567%
Target Compounds						
					Qvalue	
15) Acetone	2.404	58	1019	2.749	ug/l #	39
18) Methylene Chloride	2.788	84	471	0.207	ug/l #	79
30) 2-Butanone	4.574	43	453	0.244	ug/l #	60
56) Bromoform	11.085	173	395	0.285	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	43555	48.351	ug/l #	4
91) Naphthalene	13.780	128	2996	0.331	ug/l #	87

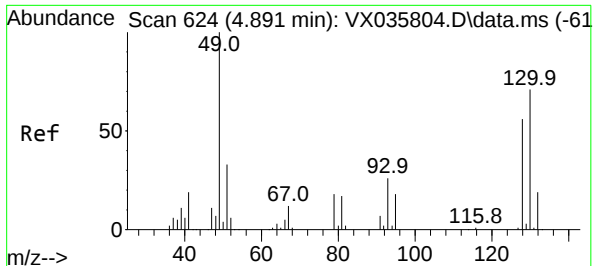
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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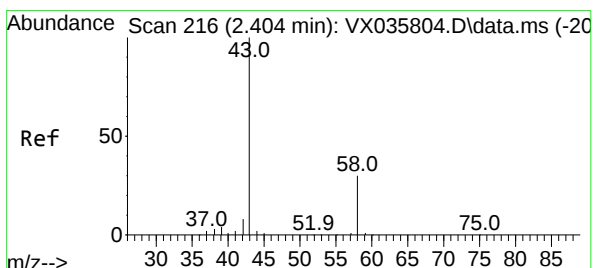
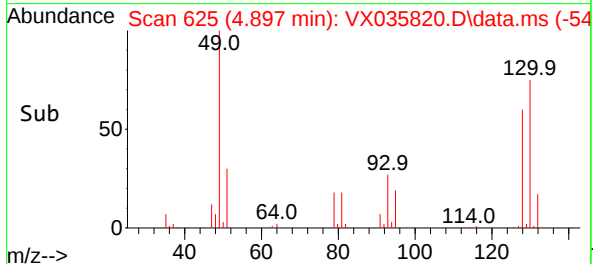
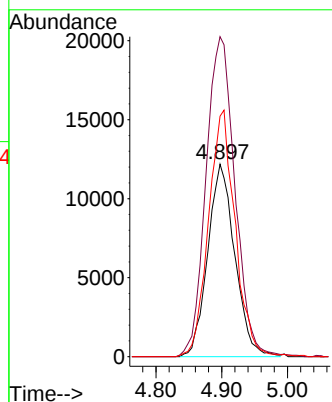
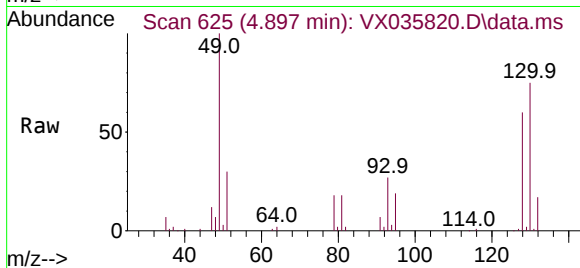




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

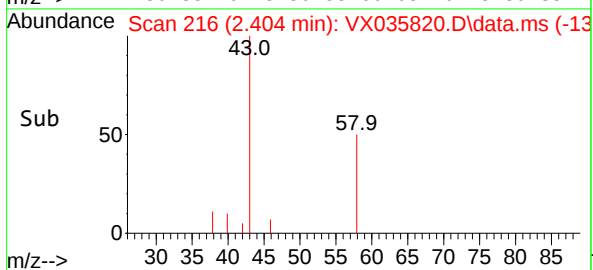
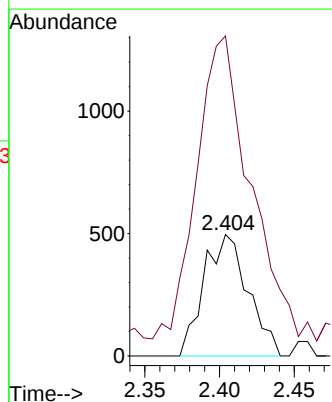
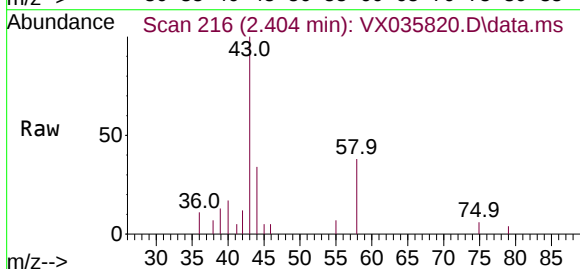
Instrument :
MSVOA_X
ClientSampleId :
TWP01

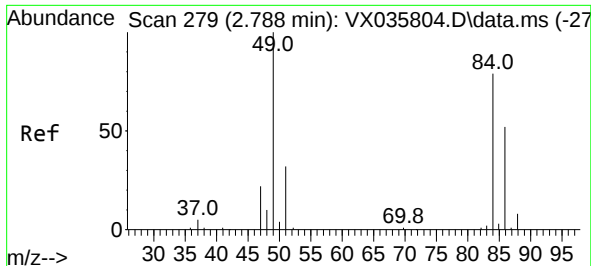
Tgt Ion:128 Resp: 34901
Ion Ratio Lower Upper
128 100
49 178.0 0.0 428.8
130 125.9 0.0 310.8



#15
Acetone
Concen: 2.749 ug/l
RT: 2.404 min Scan# 216
Delta R.T. -0.000 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

Tgt Ion: 58 Resp: 1019
Ion Ratio Lower Upper
58 100
43 209.1 270.8 406.2#

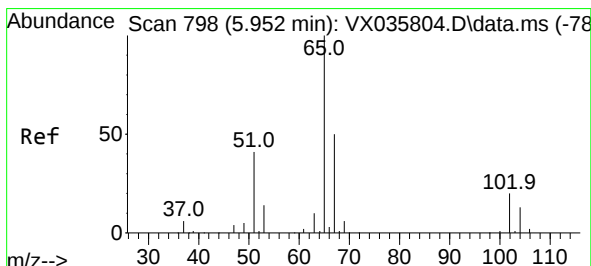
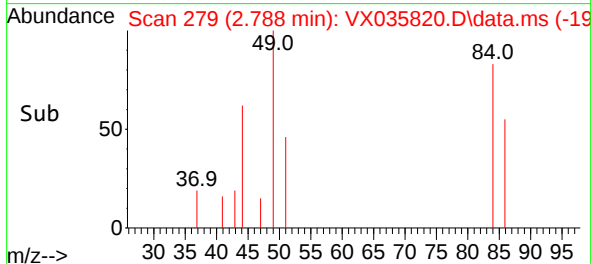
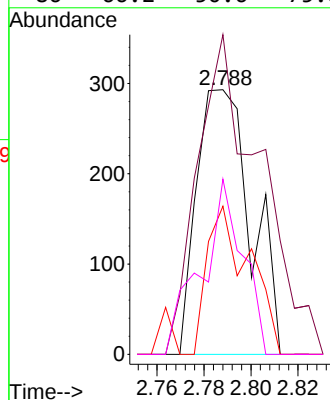
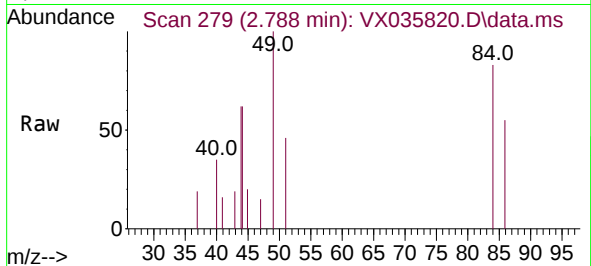




#18
Methylene Chloride
Concen: 0.207 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

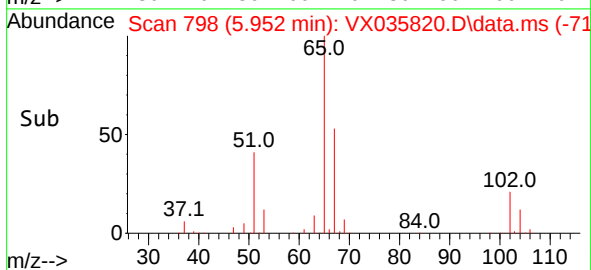
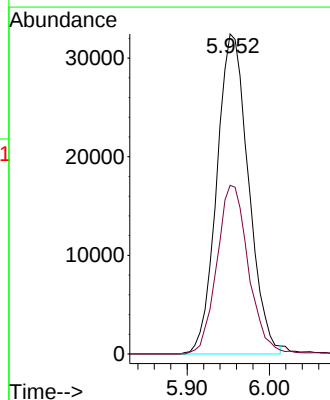
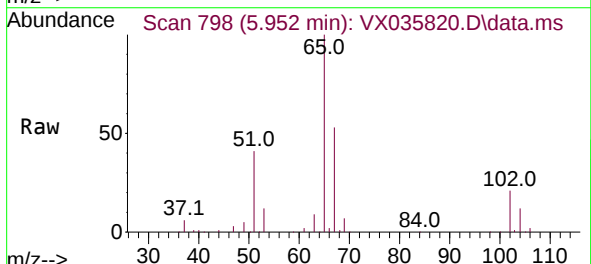
Instrument :
MSVOA_X
ClientSampleId :
TWP01

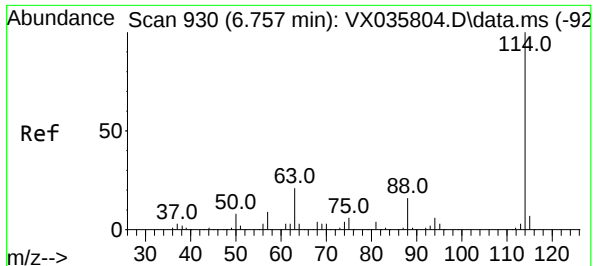
Tgt Ion: 84 Resp: 471
Ion Ratio Lower Upper
84 100
49 98.3 103.9 155.9#
51 56.0 30.6 45.8#
86 66.2 50.6 75.8



#27
1,2-Dichloroethane-d4
Concen: 29.995 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

Tgt Ion: 65 Resp: 86983
Ion Ratio Lower Upper
65 100
67 52.5 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX035820.D

Acq: 23 May 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

TWP01

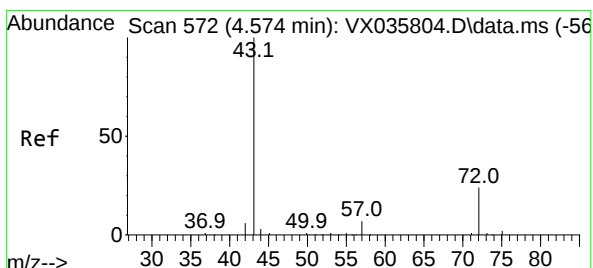
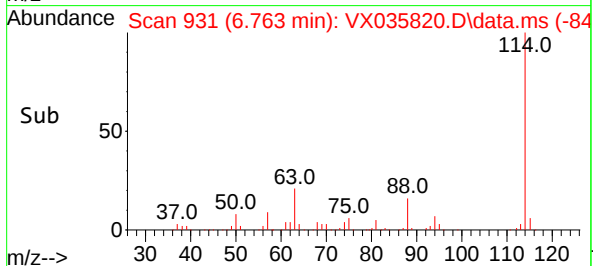
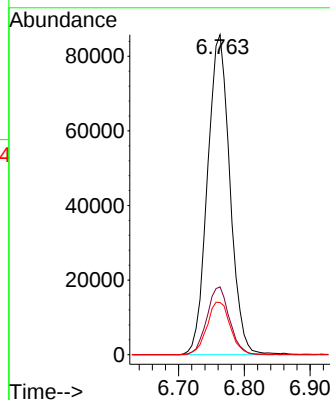
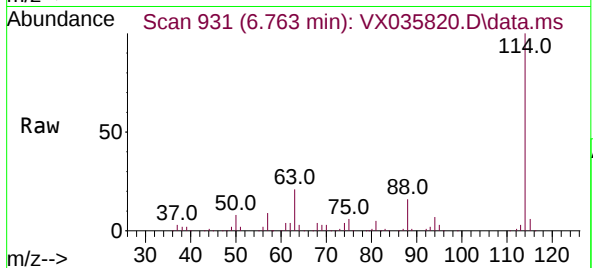
Tgt Ion:114 Resp: 203525

Ion Ratio Lower Upper

114 100

63 21.3 18.0 27.0

88 17.1 13.3 19.9



#30

2-Butanone

Concen: 0.244 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.000 min

Lab File: VX035820.D

Acq: 23 May 2023 17:39

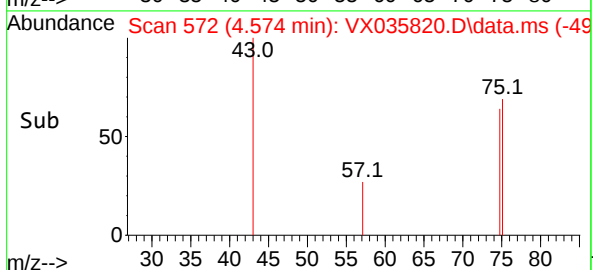
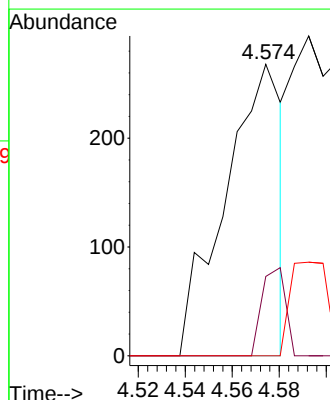
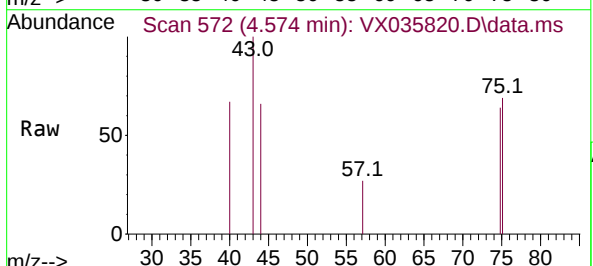
Tgt Ion: 43 Resp: 453

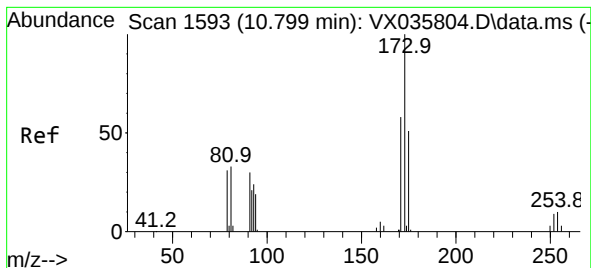
Ion Ratio Lower Upper

43 100

57 12.4 6.3 9.5#

72 0.0 19.6 29.4#





#56

Bromoform

Concen: 0.285 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX035820.D

Acq: 23 May 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

TWP01

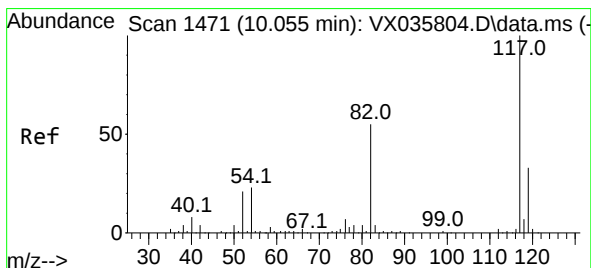
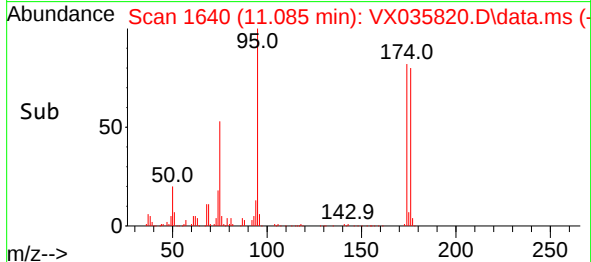
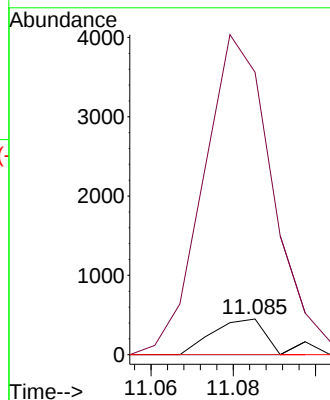
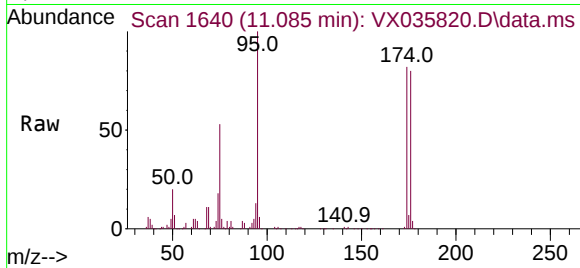
Tgt Ion:173 Resp: 395

Ion Ratio Lower Upper

173 100

175 1193.2 37.0 55.4#

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: VX035820.D

Acq: 23 May 2023 17:39

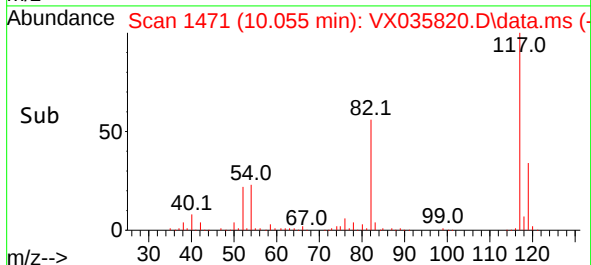
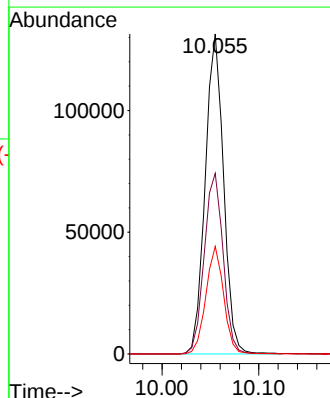
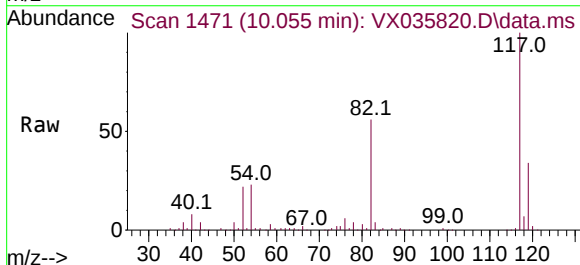
Tgt Ion:117 Resp: 173916

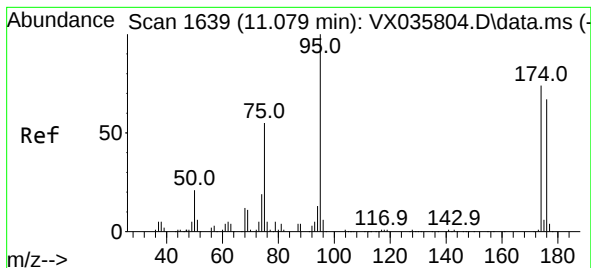
Ion Ratio Lower Upper

117 100

82 57.9 45.8 68.8

119 32.6 25.4 38.0

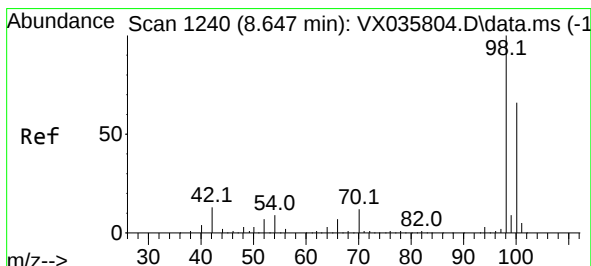
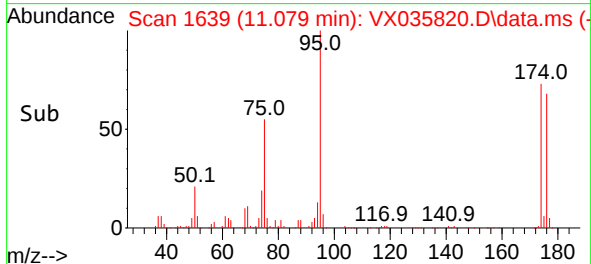
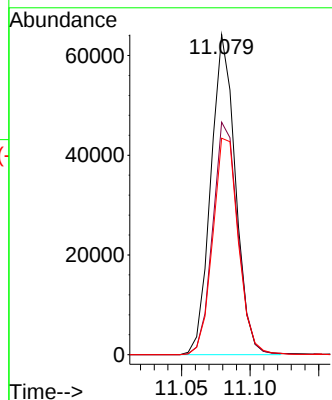
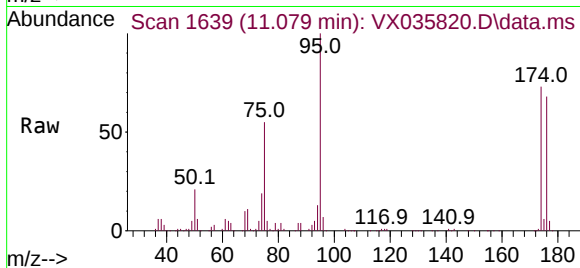




#60
4-Bromofluorobenzene
Concen: 27.502 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

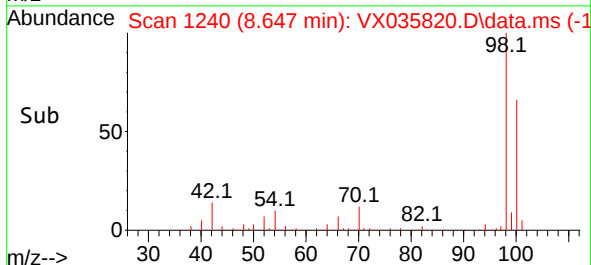
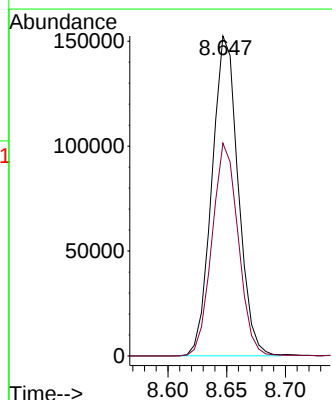
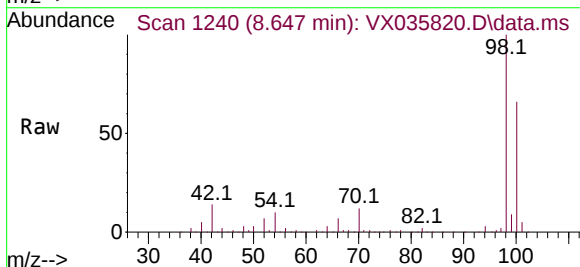
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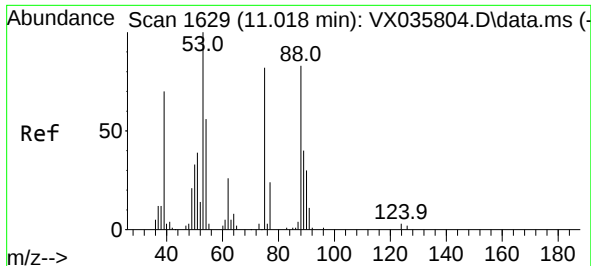
Tgt Ion: 95 Resp: 80257
Ion Ratio Lower Upper
95 100
174 74.3 0.2 0.4#
176 70.6 0.2 0.2#



#63
Toluene-d8
Concen: 30.772 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

Tgt Ion: 98 Resp: 236591
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1

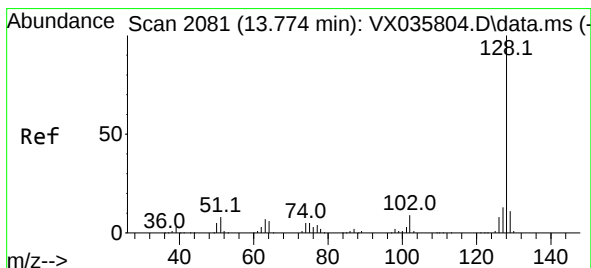
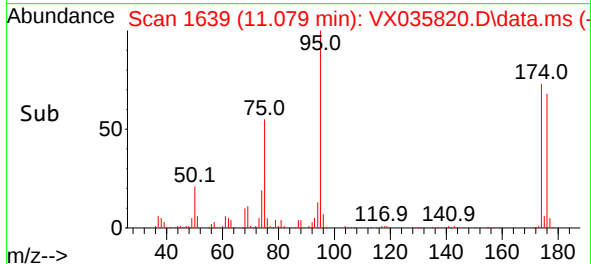
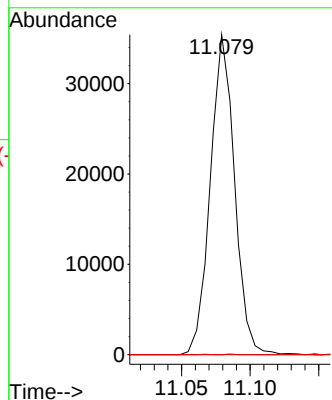
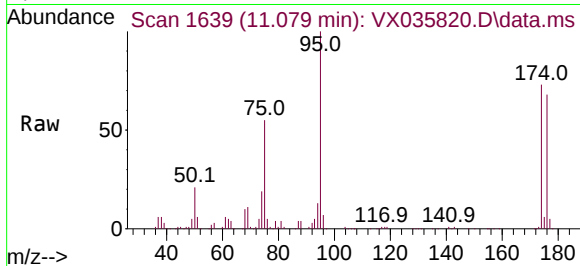




#77
t-1,4-Dichloro-2-butene
Concen: 48.351 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

Instrument :
MSVOA_X
ClientSampleId :
TWP01

Tgt Ion: 75 Resp: 43555
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#



#91
Naphthalene
Concen: 0.331 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035820.D
Acq: 23 May 2023 17:39

Tgt Ion:128 Resp: 2996
Ion Ratio Lower Upper
128 100
127 9.0 10.3 15.5#
129 5.0 8.8 13.2#

