

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112423\
 Data File : VX039025.D
 Acq On : 24 Nov 2023 15:32
 Operator : JC/MD
 Sample : VX1124WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 03:29:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

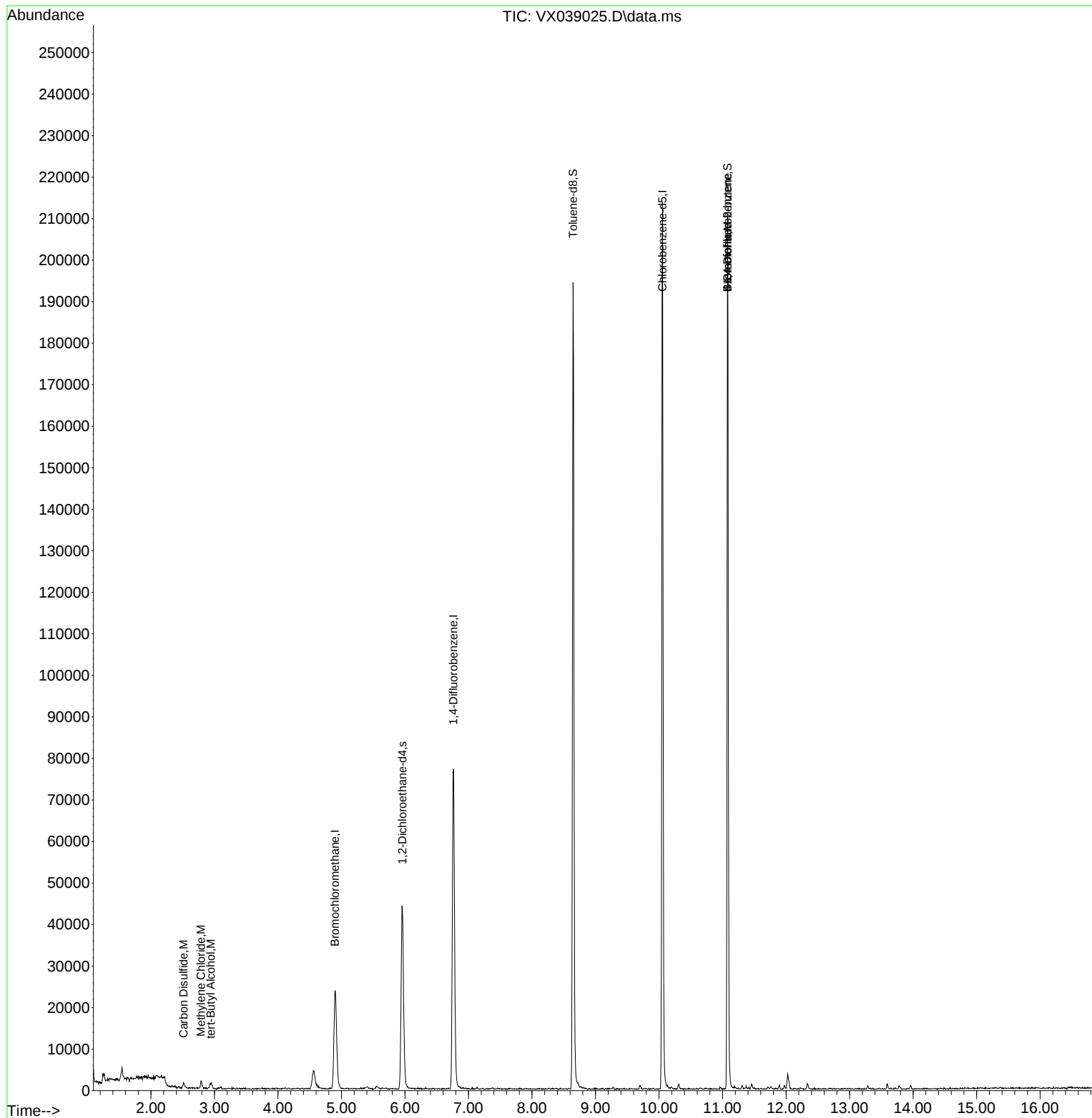
Internal Standards						
1) Bromochloromethane	4.897	128	9437	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	77131	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	94626	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	42923	33.247	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.833%#
60) 4-Bromofluorobenzene	11.079	95	59048	28.570	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.233%
63) Toluene-d8	8.647	98	115469	30.864	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.867%
Target Compounds						
					Qvalue	
16) Carbon Disulfide	2.514	76	1268	0.326	ug/l #	88
18) Methylene Chloride	2.788	84	671	0.441	ug/l	94
23) tert-Butyl Alcohol	2.940	59	972	1.793	ug/l #	100
56) Bromoform	11.079	173	303	0.245	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	32706	35.665	ug/l #	12

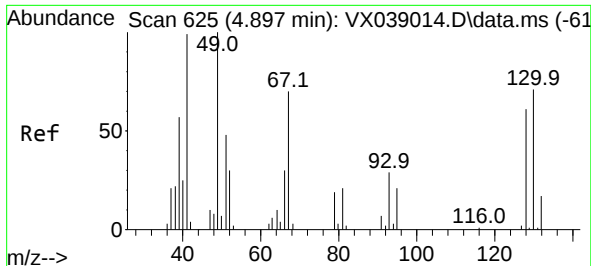
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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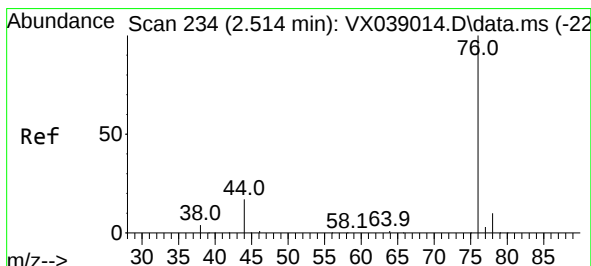
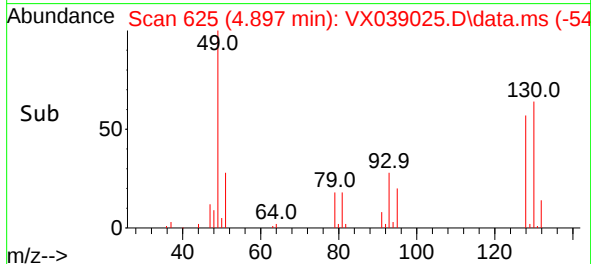
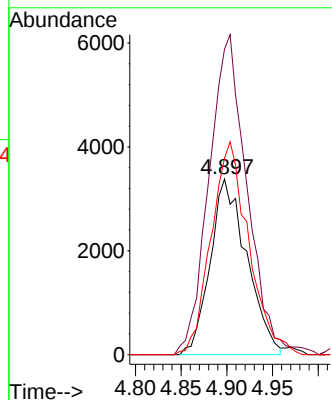
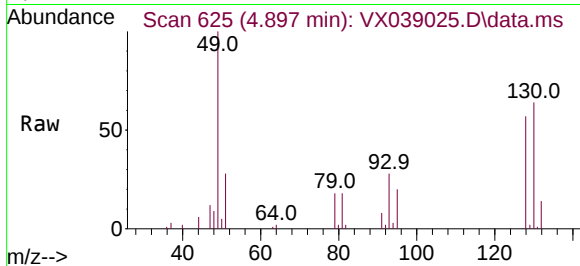




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039025.D
Acq: 24 Nov 2023 15:32

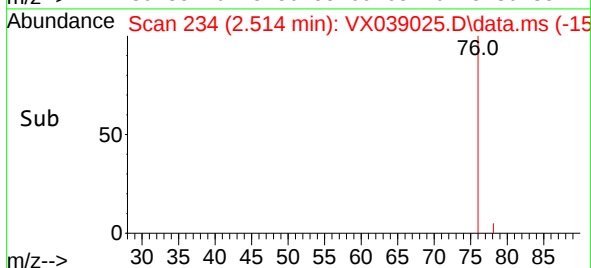
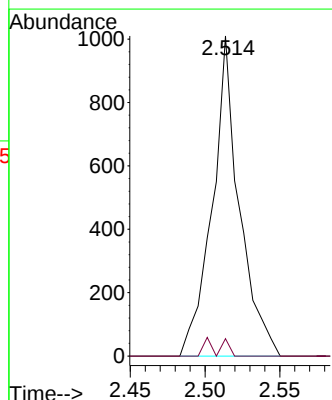
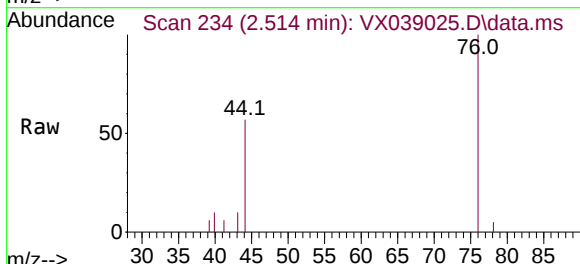
Instrument :
MSVOA_X
ClientSampleId :

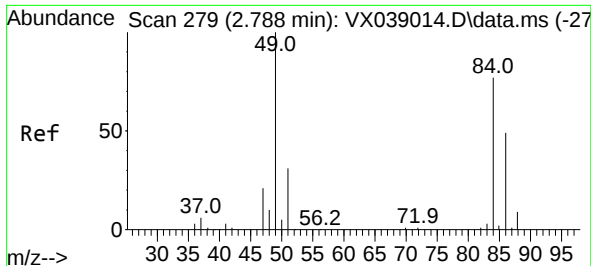
Tgt Ion:128 Resp: 9437
Ion Ratio Lower Upper
128 100
49 189.4 0.0 444.0
130 124.4 0.0 297.8



#16
Carbon Disulfide
Concen: 0.326 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX039025.D
Acq: 24 Nov 2023 15:32

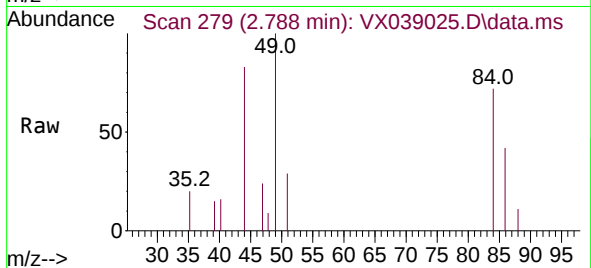
Tgt Ion: 76 Resp: 1268
Ion Ratio Lower Upper
76 100
78 5.4 8.0 12.0#





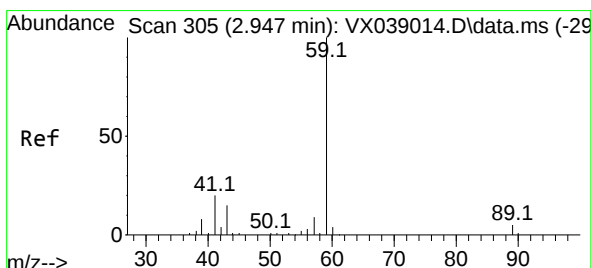
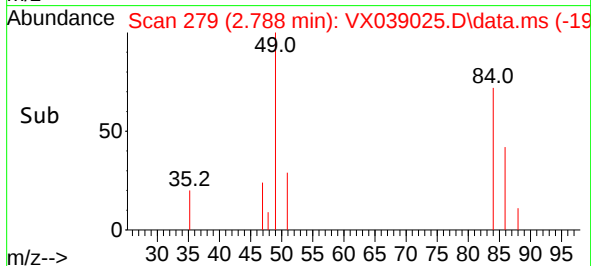
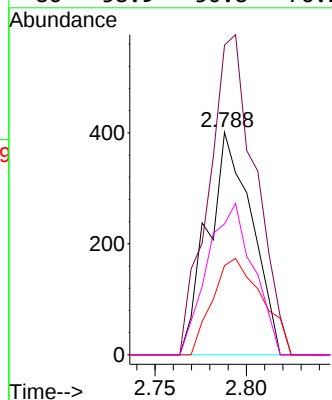
#18
Methylene Chloride
Concen: 0.441 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039025.D
Acq: 24 Nov 2023 15:32

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 671

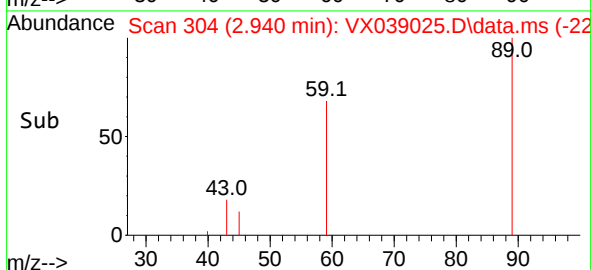
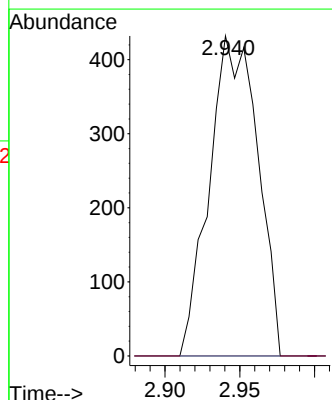
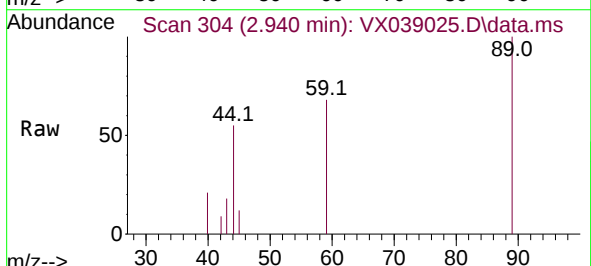
Ion	Ratio	Lower	Upper
84	100		
49	139.2	103.8	155.8
51	40.1	31.8	47.6
86	58.9	50.8	76.2

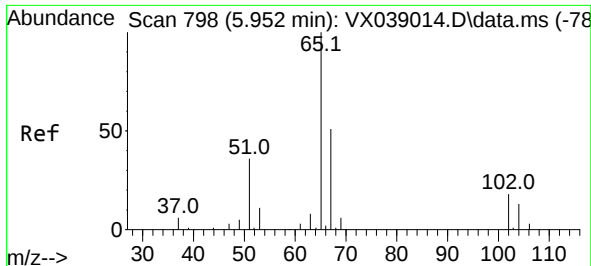


#23
tert-Butyl Alcohol
Concen: 1.793 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX039025.D
Acq: 24 Nov 2023 15:32

Tgt Ion: 59 Resp: 972

Ion	Ratio	Lower	Upper
59	100		
52	4.8	0.0	0.0#





#27

1,2-Dichloroethane-d4

Concen: 33.247 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039025.D

Acq: 24 Nov 2023 15:32

Instrument :

MSVOA_X

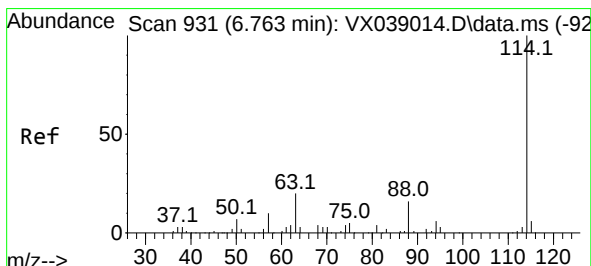
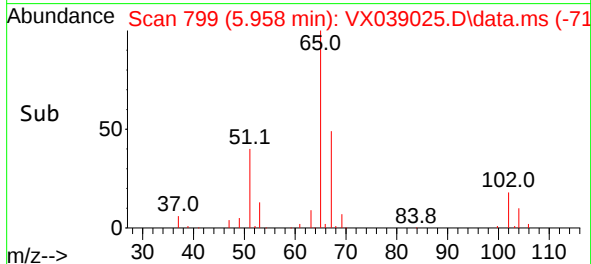
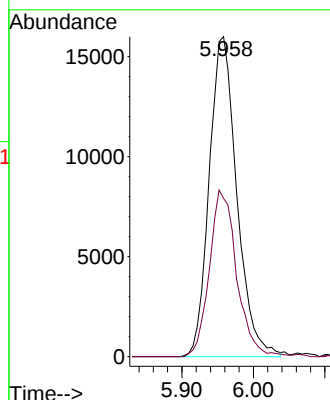
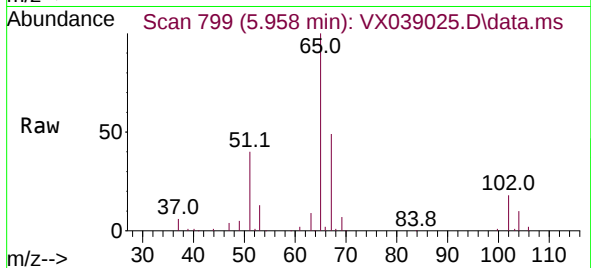
ClientSampleId :

Tgt Ion: 65 Resp: 42923

Ion Ratio Lower Upper

65 100

67 50.8 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX039025.D

Acq: 24 Nov 2023 15:32

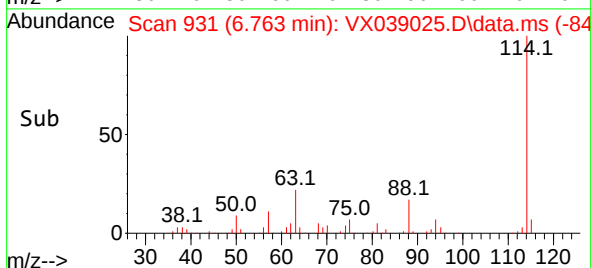
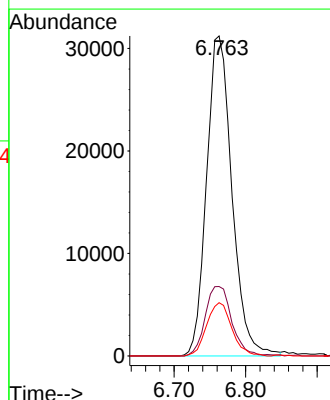
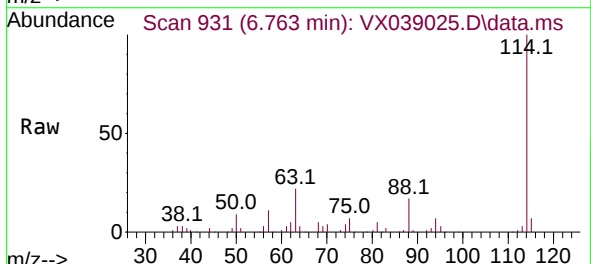
Tgt Ion: 114 Resp: 77131

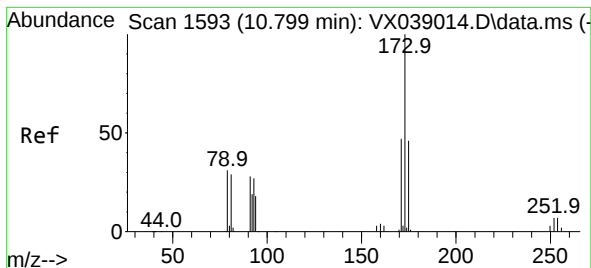
Ion Ratio Lower Upper

114 100

63 22.5 17.0 25.4

88 16.5 12.7 19.1





#56

Bromoform

Concen: 0.245 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

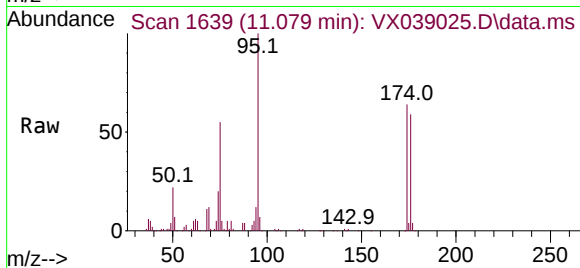
Lab File: VX039025.D

Acq: 24 Nov 2023 15:32

Instrument :

MSVOA_X

ClientSampleId :



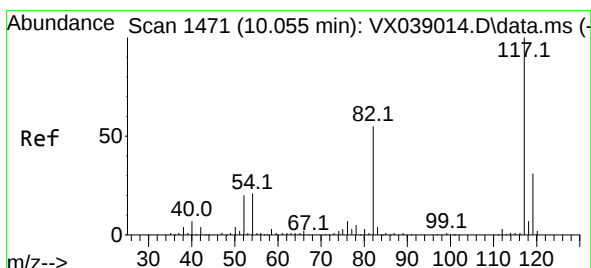
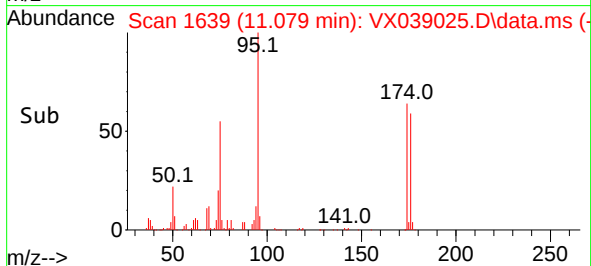
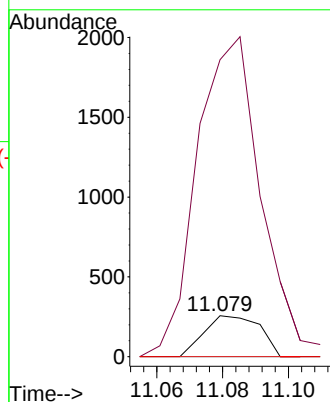
Tgt Ion:173 Resp: 303

Ion Ratio Lower Upper

173 100

175 894.4 37.6 56.4#

254 0.0 5.8 8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX039025.D

Acq: 24 Nov 2023 15:32

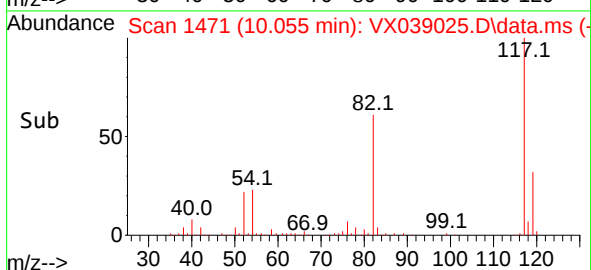
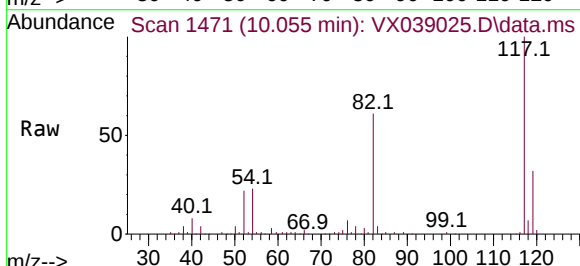
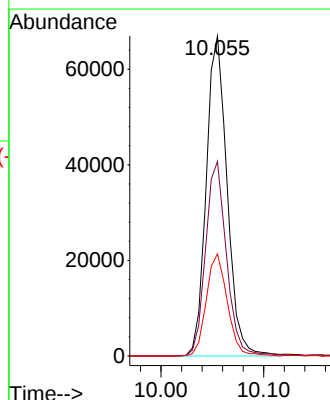
Tgt Ion:117 Resp: 94626

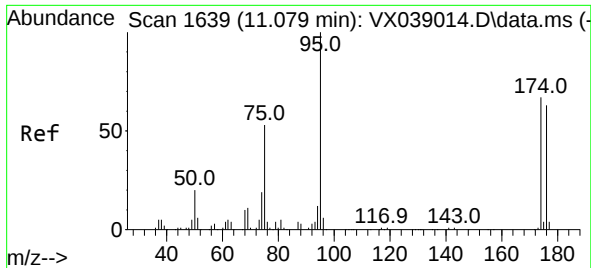
Ion Ratio Lower Upper

117 100

82 60.7 47.0 70.6

119 32.1 25.2 37.8

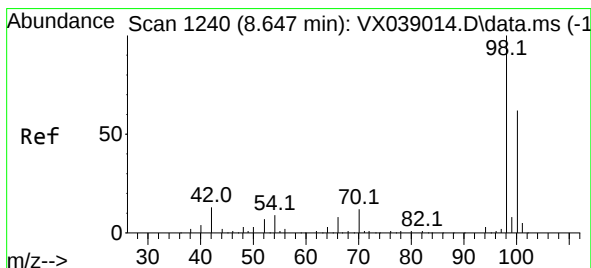
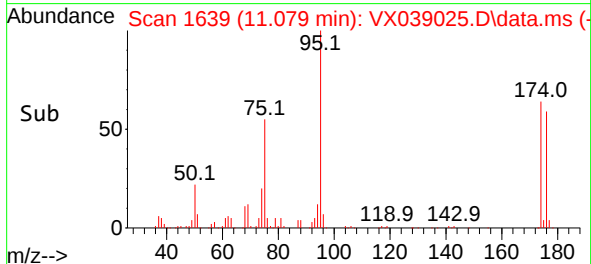
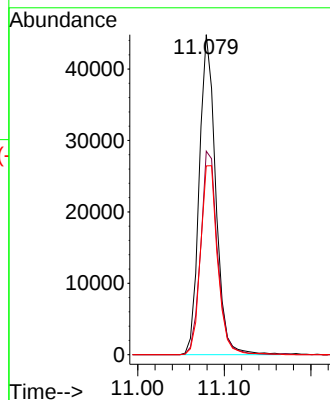
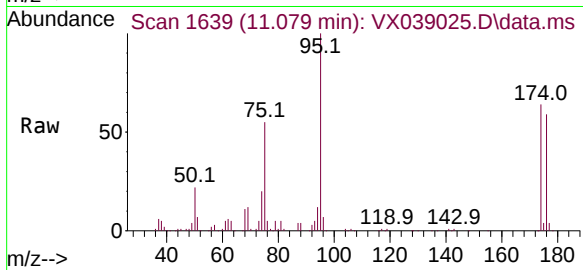




#60
4-Bromofluorobenzene
Concen: 28.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039025.D
Acq: 24 Nov 2023 15:32

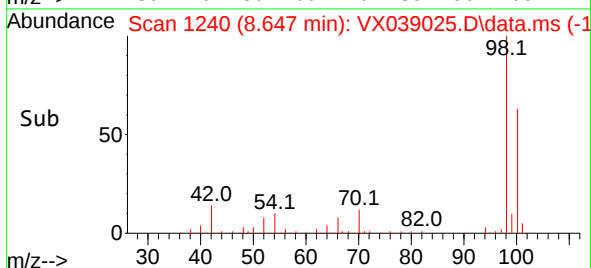
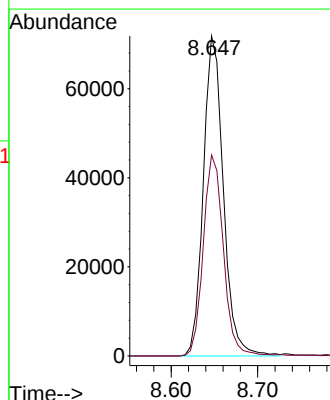
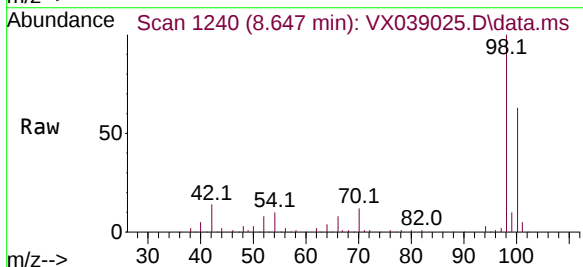
Instrument :
MSVOA_X
ClientSampleId :

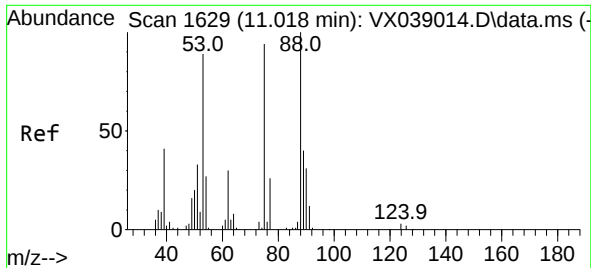
Tgt Ion: 95 Resp: 59048
Ion Ratio Lower Upper
95 100
174 65.3 55.4 83.2
176 61.2 52.6 78.8



#63
Toluene-d8
Concen: 30.864 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039025.D
Acq: 24 Nov 2023 15:32

Tgt Ion: 98 Resp: 115469
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.4





#77

t-1,4-Dichloro-2-butene

Concen: 35.665 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

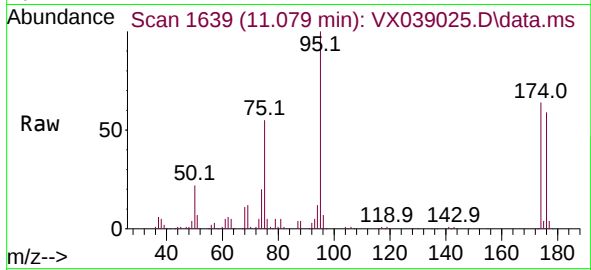
Lab File: VX039025.D

Acq: 24 Nov 2023 15:32

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75 Resp: 32706

Ion Ratio Lower Upper

75 100

53 0.0 46.9 140.8#

89 0.0 21.3 63.7#

