

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037950.D
 Acq On : 28 Sep 2023 15:00
 Operator : JC/MD
 Sample : 04661-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 29 04:27:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 28 06:08:32 2023
 Response via : Initial Calibration

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

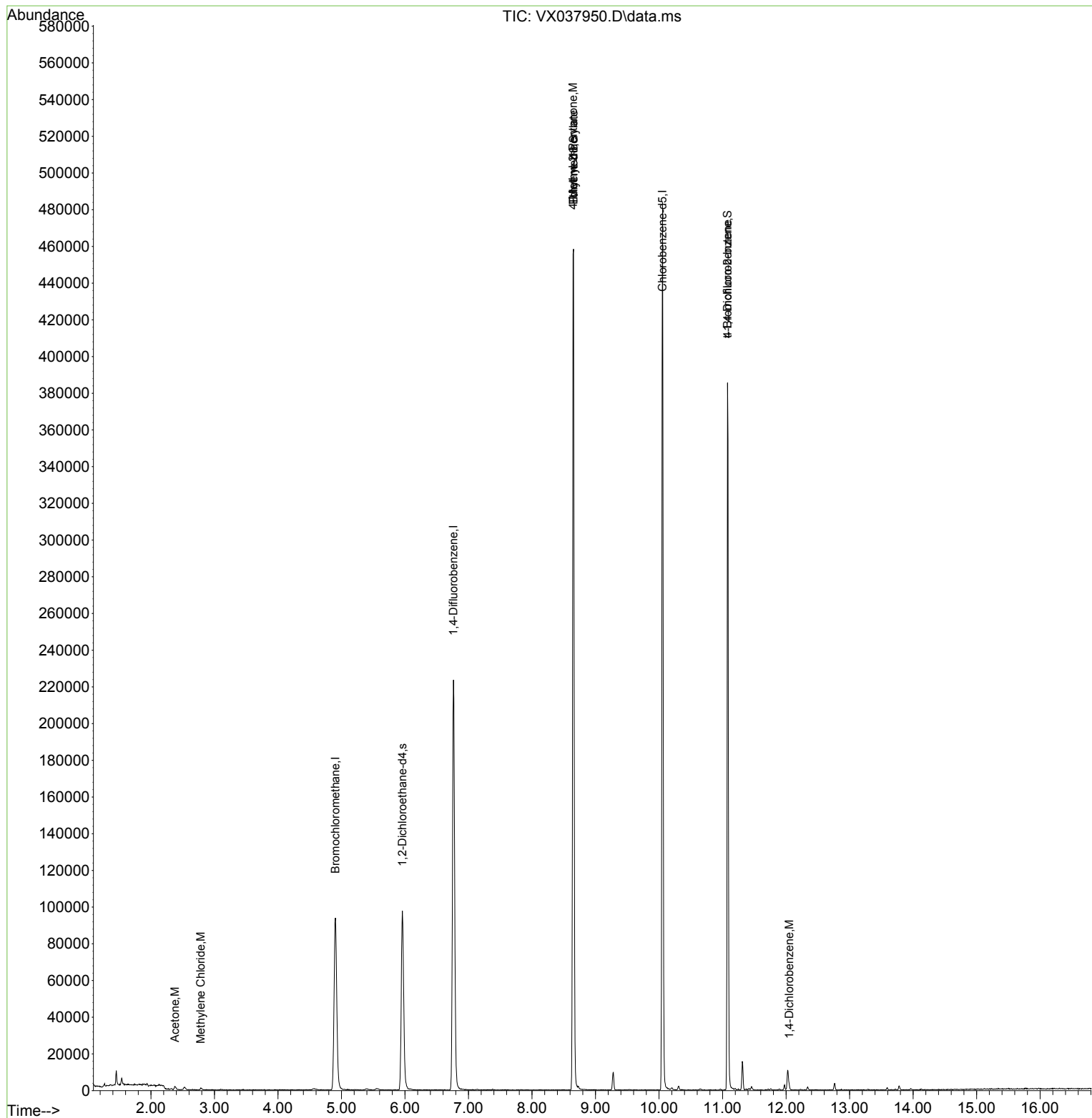
Internal Standards						
1) Bromochloromethane	4.903	128	41922	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	236348	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	221557	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	93473	30.932	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.100%
60) 4-Bromofluorobenzene	11.079	95	101273	28.040	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.467%
63) Toluene-d8	8.653	98	286508	29.956	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	676	1.919	ug/l #	47
18) Methylene Chloride	2.782	84	625	0.240	ug/l #	68
51) Ethyl methacrylate	8.653	69	891	0.220	ug/l #	44
58) 4-Methyl-2-Pentanone	8.647	43	1149	0.354	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	52375	44.501	ug/l #	7
84) 1,4-Dichlorobenzene	12.048	146	1282	0.201	ug/l	91

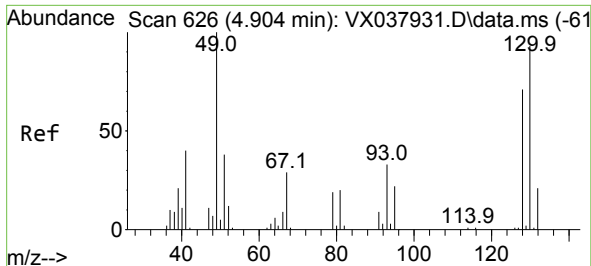
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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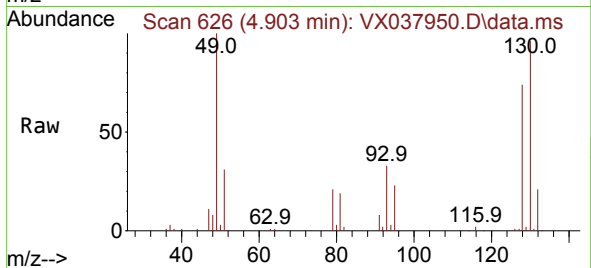
Quant Time: Sep 29 04:27:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Sep 28 06:08:32 2023
Response via : Initial Calibration



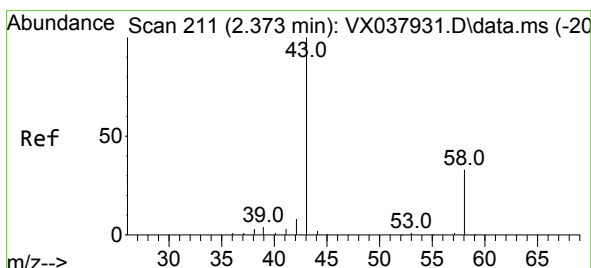
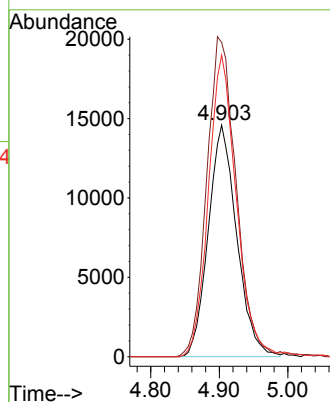
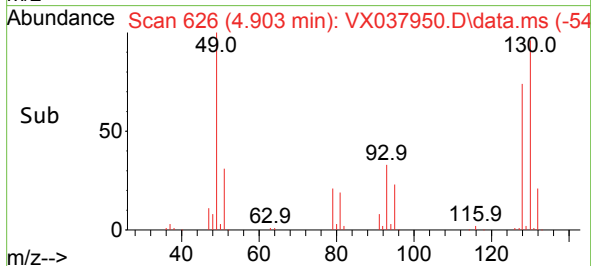


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :

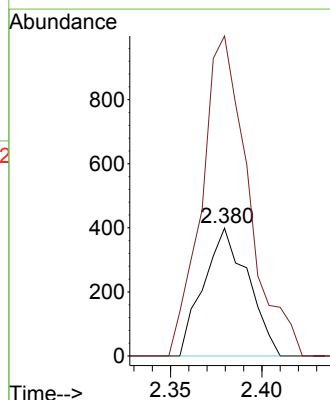
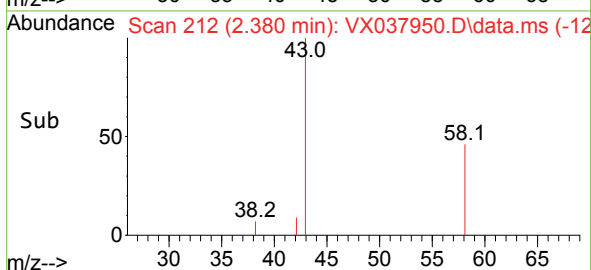
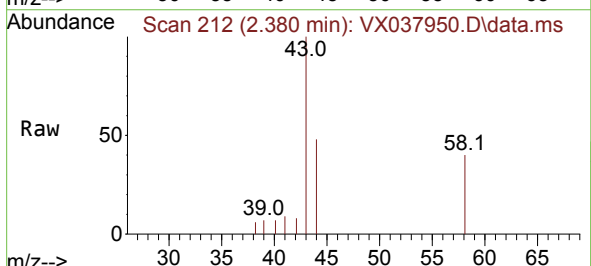


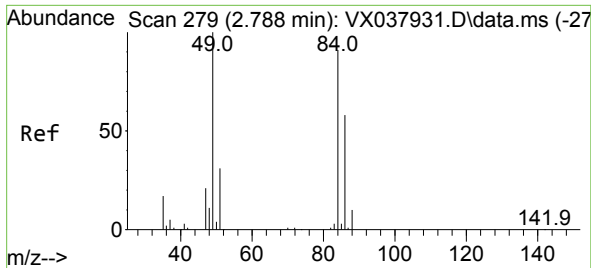
Tgt Ion:	128	Resp:	41922
Ion	Ratio	Lower	Upper
128	100		
49	142.4	0.0	406.3
130	127.8	0.0	328.0



#15
Acetone
Concen: 1.919 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00

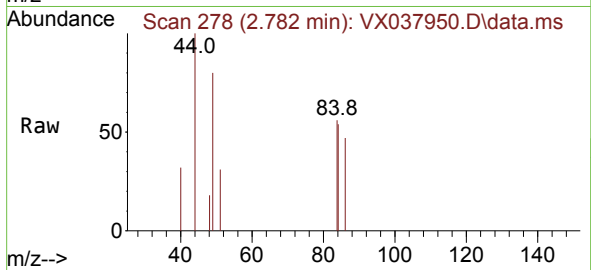
Tgt Ion:	58	Resp:	676
Ion	Ratio	Lower	Upper
58	100		
43	215.5	261.0	391.4#



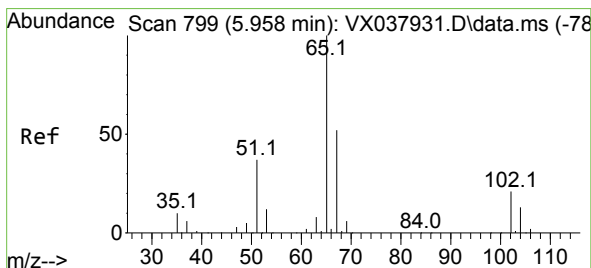
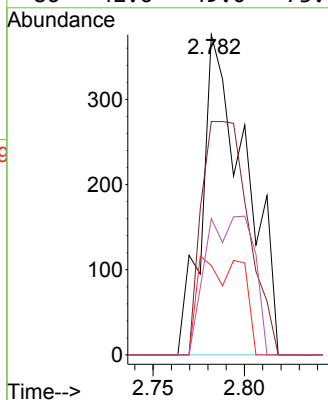
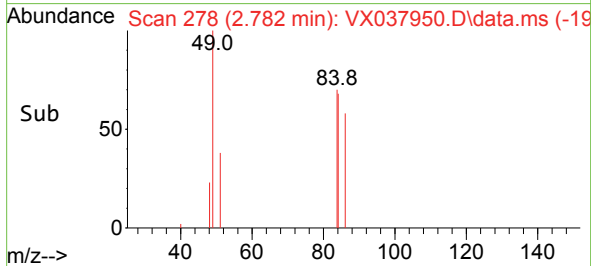


#18
Methylene Chloride
Concen: 0.240 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :

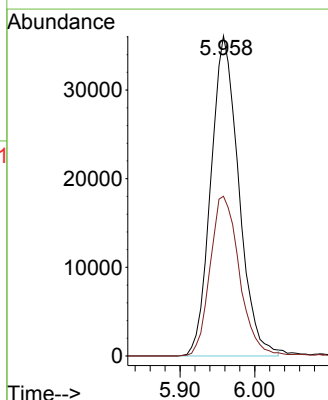
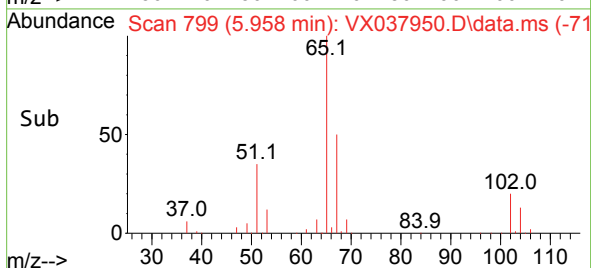
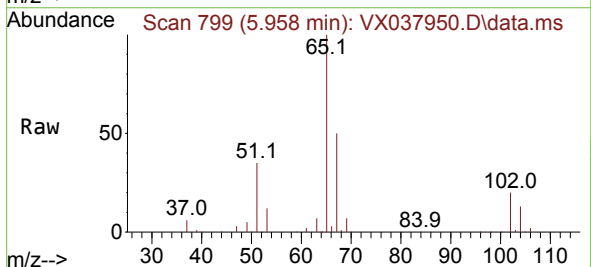


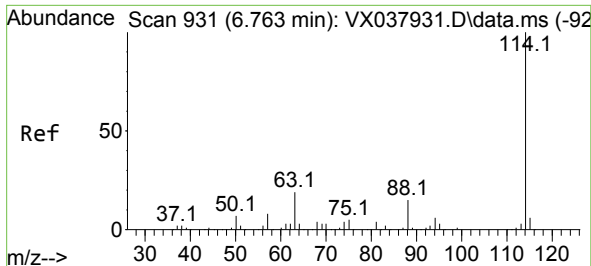
Tgt Ion: 84 Resp: 625
Ion Ratio Lower Upper
84 100
49 72.9 95.4 143.0#
51 27.9 28.3 42.5#
86 42.6 49.0 73.6#



#27
1,2-Dichloroethane-d4
Concen: 30.932 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00

Tgt Ion: 65 Resp: 93473
Ion Ratio Lower Upper
65 100
67 52.4 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

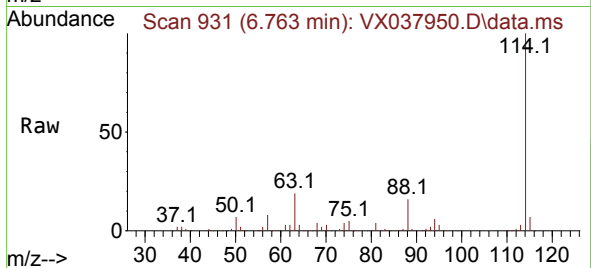
Lab File: VX037950.D

Acq: 28 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :



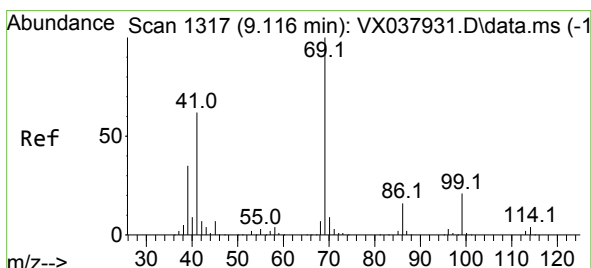
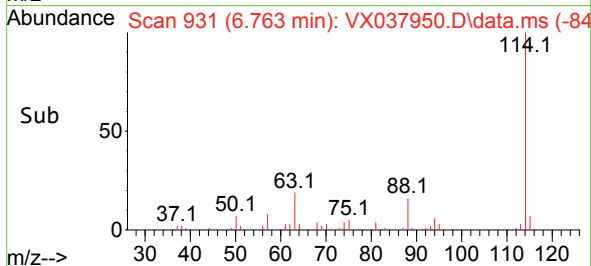
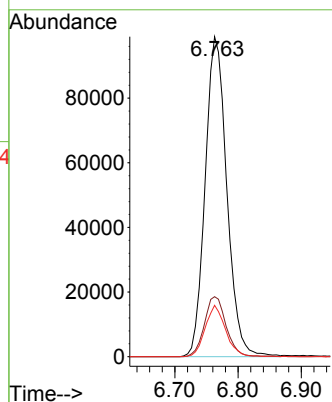
Tgt Ion:114 Resp: 236348

Ion Ratio Lower Upper

114 100

63 18.7 16.6 24.8

88 15.1 12.9 19.3



#51

Ethyl methacrylate

Concen: 0.220 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX037950.D

Acq: 28 Sep 2023 15:00

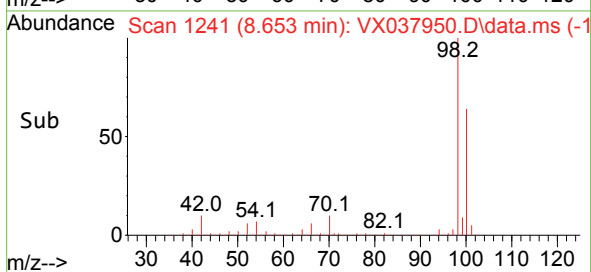
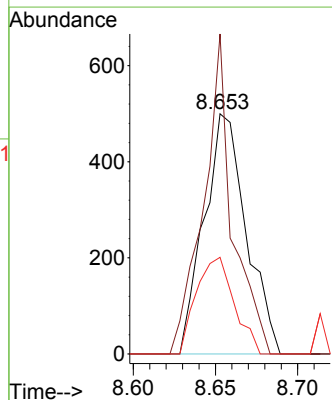
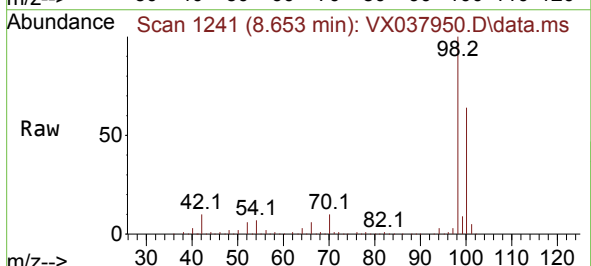
Tgt Ion: 69 Resp: 891

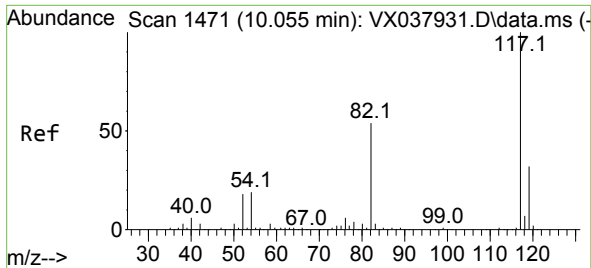
Ion Ratio Lower Upper

69 100

41 133.2 32.0 96.0#

39 40.2 19.4 58.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037950.D

Acq: 28 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

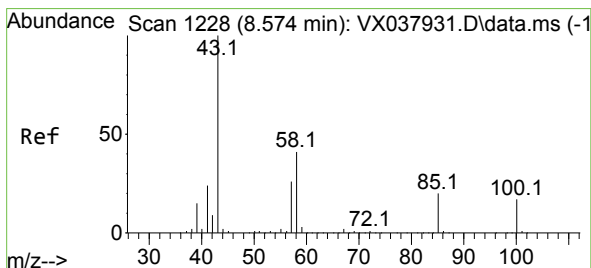
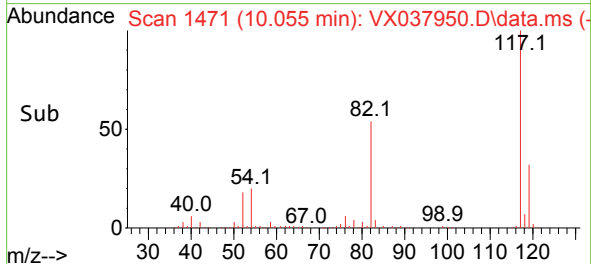
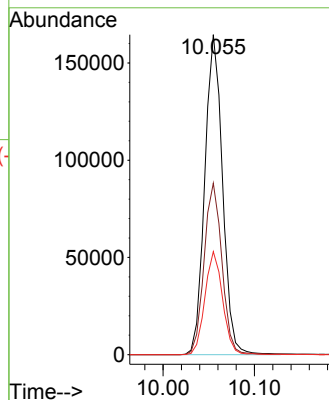
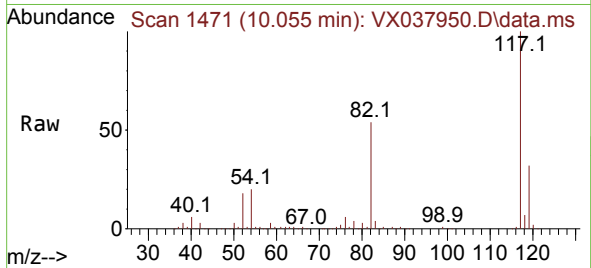
Tgt Ion:117 Resp: 221557

Ion Ratio Lower Upper

117 100

82 53.8 44.7 67.1

119 32.2 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 0.354 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037950.D

Acq: 28 Sep 2023 15:00

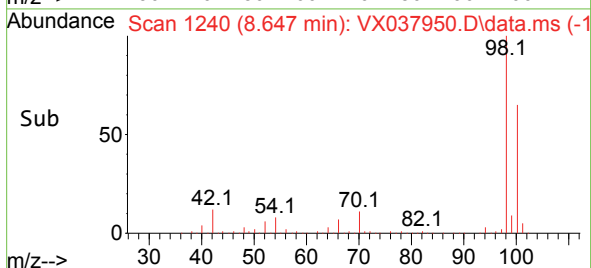
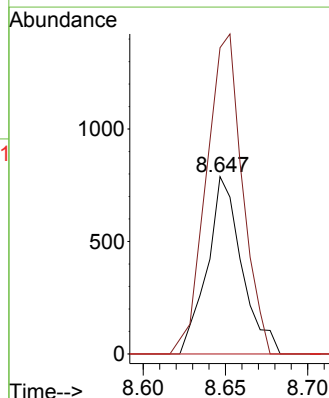
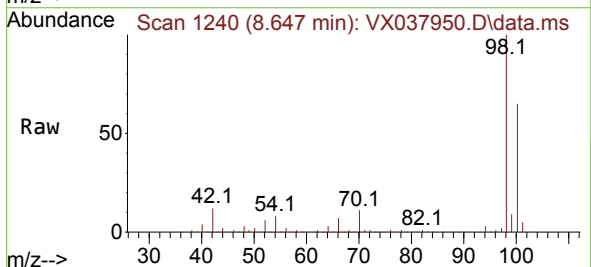
Tgt Ion: 43 Resp: 1149

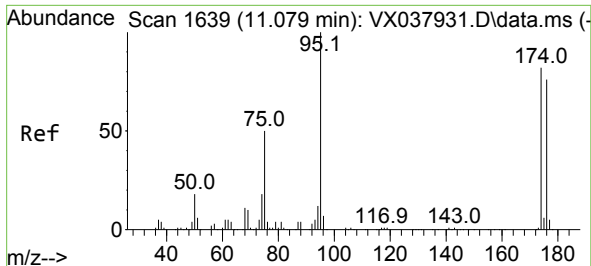
Ion Ratio Lower Upper

43 100

58 188.9 30.9 46.3#

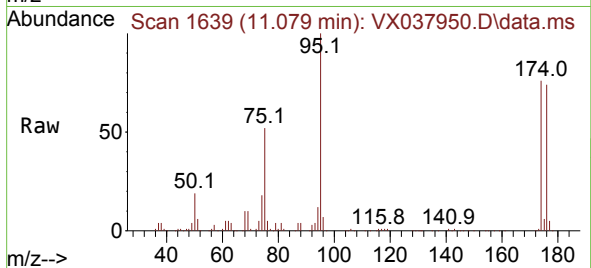
85 0.0 14.4 21.6#



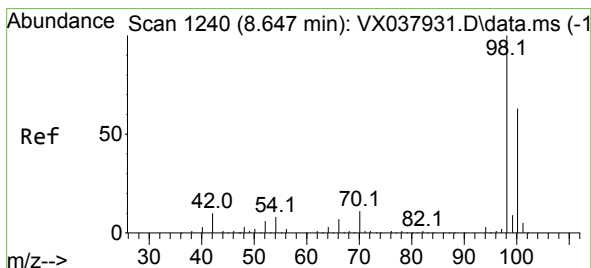
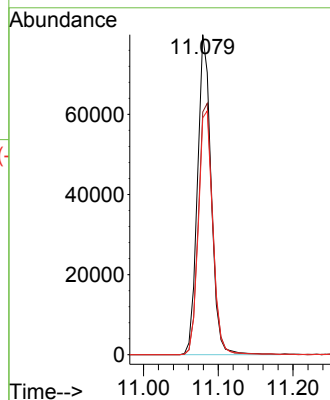
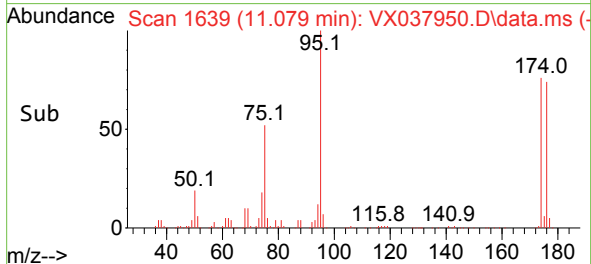


#60
4-Bromofluorobenzene
Concen: 28.040 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00

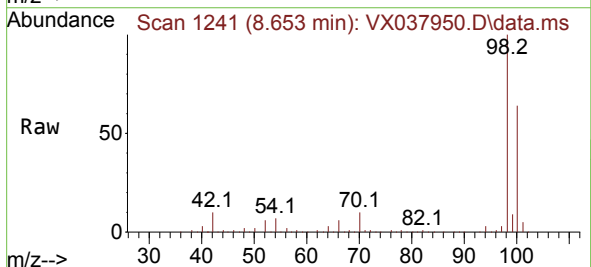
Instrument :
MSVOA_X
ClientSampleId :



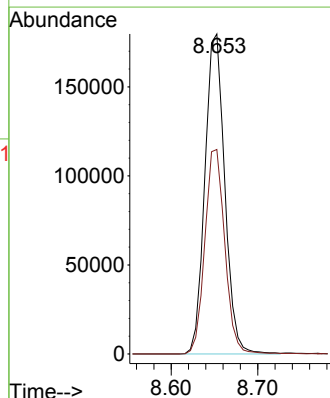
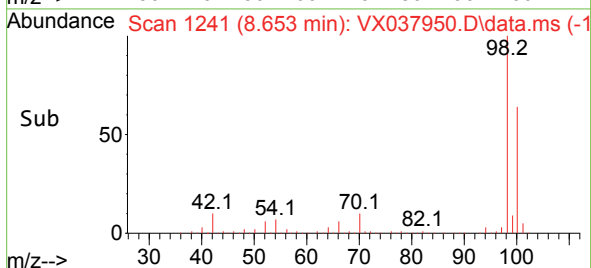
Tgt Ion: 95 Resp: 101273
Ion Ratio Lower Upper
95 100
174 81.9 60.5 90.7
176 80.1 58.2 87.4

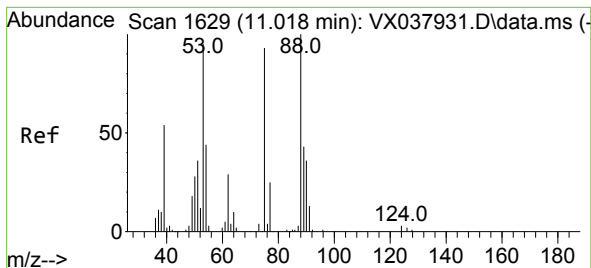


#63
Toluene-d8
Concen: 29.956 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00



Tgt Ion: 98 Resp: 286508
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

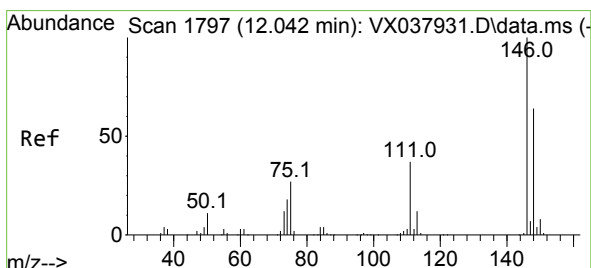
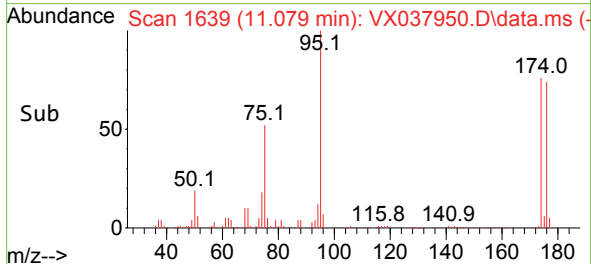
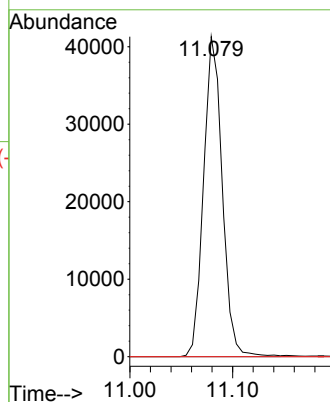
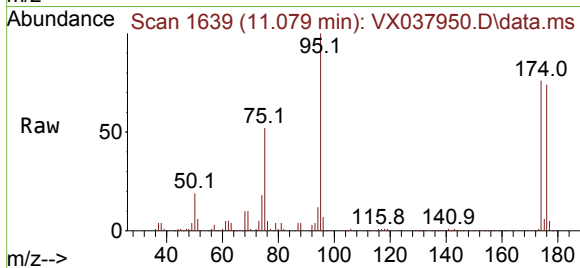




#77
t-1,4-Dichloro-2-butene
Concen: 44.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 52375
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#



#84
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 12.048 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VX037950.D
Acq: 28 Sep 2023 15:00

Tgt Ion:146 Resp: 1282
Ion Ratio Lower Upper
146 100
111 48.0 20.2 60.6
148 58.6 32.1 96.3

