

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042303.D
 Acq On : 12 Jul 2024 15:26
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 03:28:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

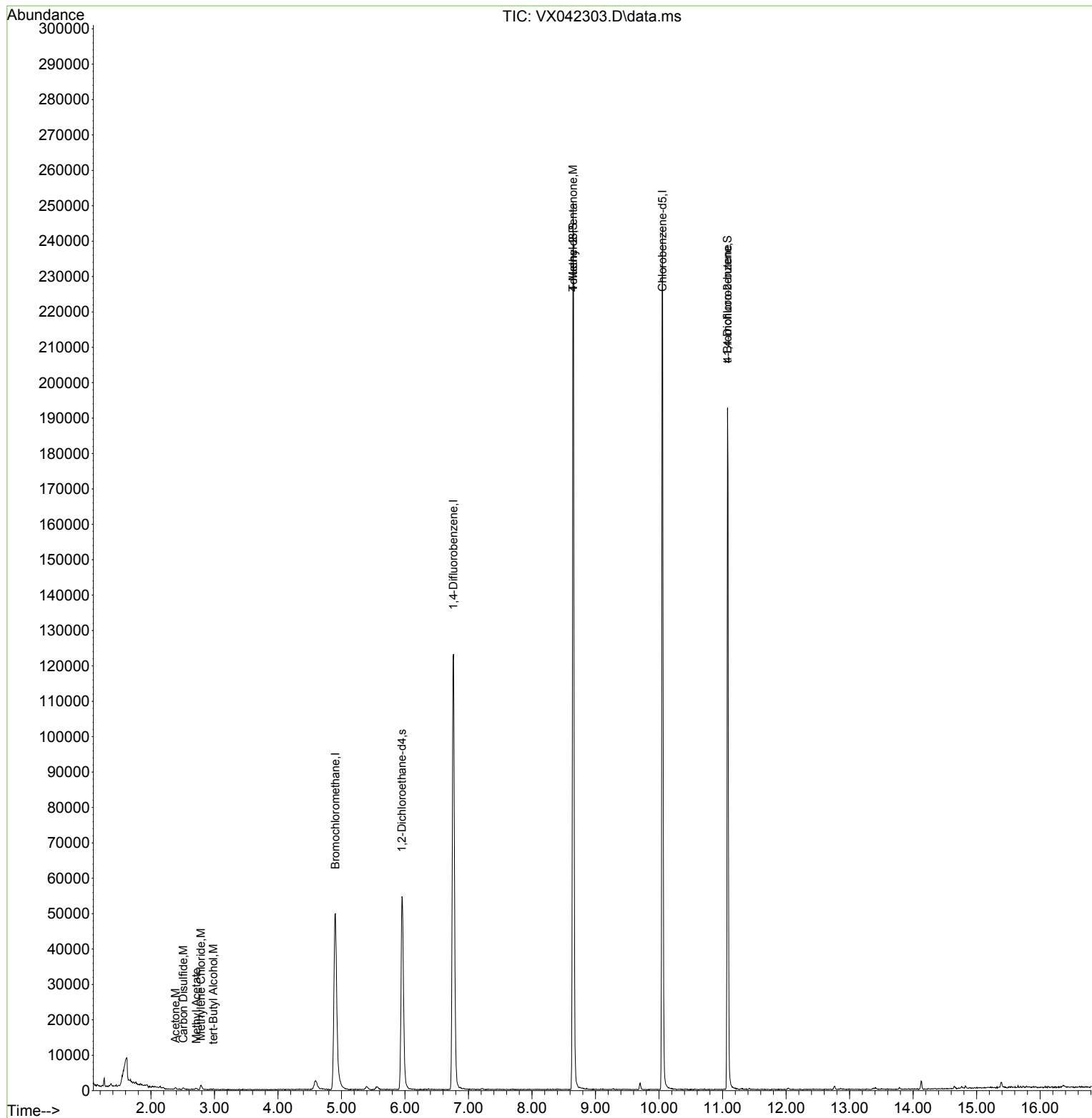
Internal Standards						
1) Bromochloromethane	4.904	128	26314	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	140279	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	124349	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	53645	29.615	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.700%
60) 4-Bromofluorobenzene	11.079	95	51192	26.596	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.667%
63) Toluene-d8	8.647	98	156403	29.399	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.000%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.715	43	490	0.239	ug/l #	51
15) Acetone	2.386	58	136	0.489	ug/l #	65
16) Carbon Disulfide	2.508	76	716	0.203	ug/l #	75
18) Methylene Chloride	2.788	84	639	0.346	ug/l #	82
23) tert-Butyl Alcohol	2.983	59	191	0.528	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	591	0.265	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23238	32.305	ug/l #	7

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

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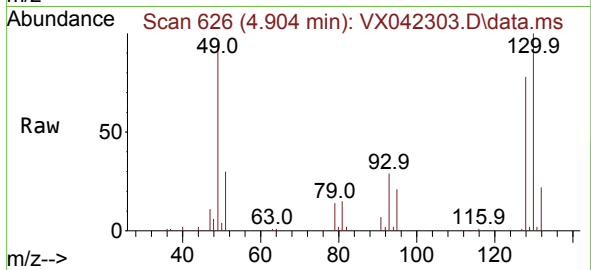
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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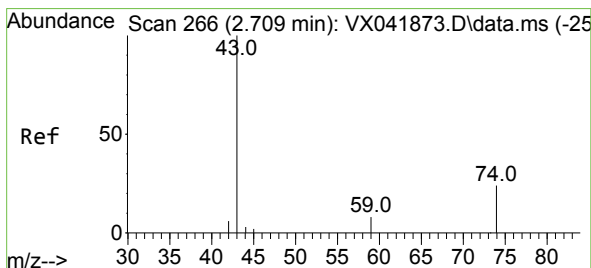
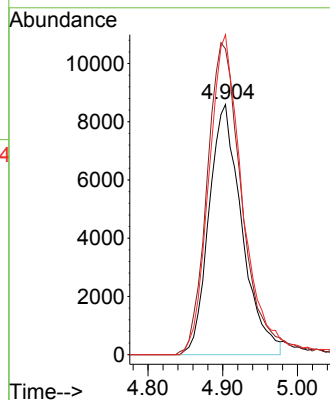
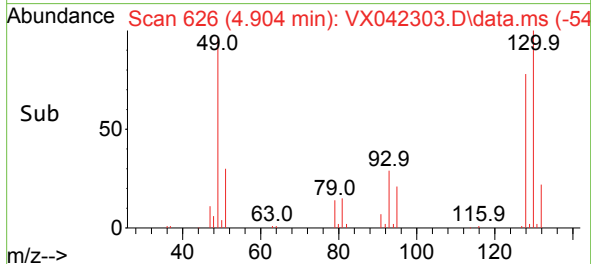


#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.904 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VX042303.D
 Acq: 12 Jul 2024 15:26

Instrument :
 MSVOA_X
 ClientSampleId :

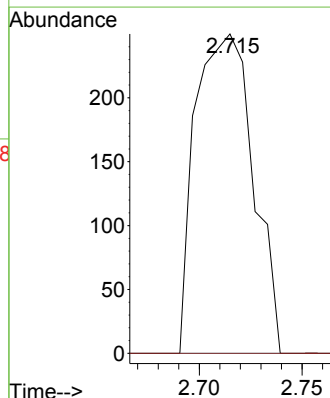
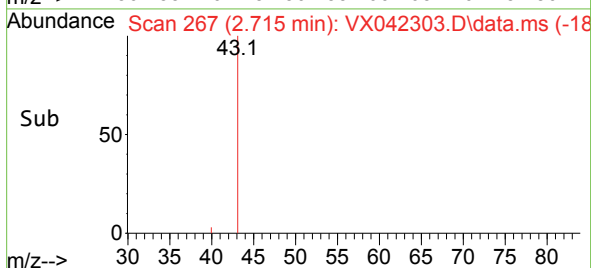
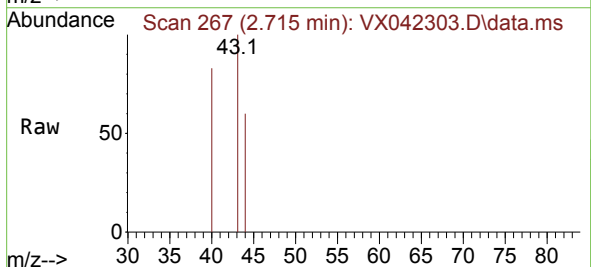


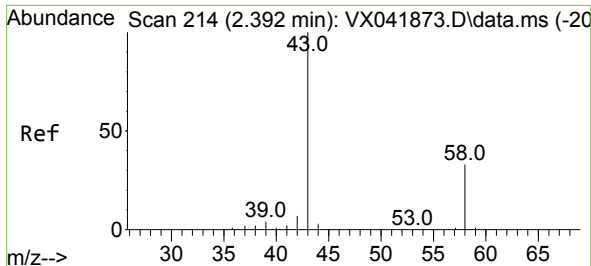
Tgt Ion:128 Resp: 26314
 Ion Ratio Lower Upper
 128 100
 49 132.3 0.0 338.5
 130 130.1 0.0 324.5



#12
 Methyl Acetate
 Concen: 0.239 ug/l
 RT: 2.715 min Scan# 267
 Delta R.T. 0.006 min
 Lab File: VX042303.D
 Acq: 12 Jul 2024 15:26

Tgt Ion: 43 Resp: 490
 Ion Ratio Lower Upper
 43 100
 74 0.0 19.4 29.2#





#15

Acetone

Concen: 0.489 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042303.D

Acq: 12 Jul 2024 15:26

Instrument :

MSVOA_X

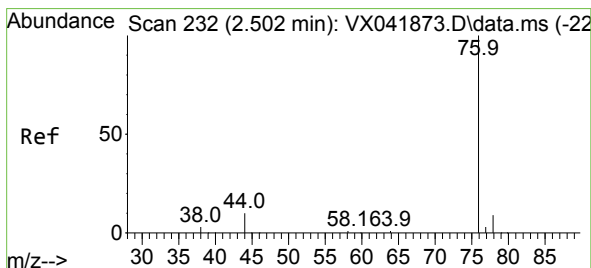
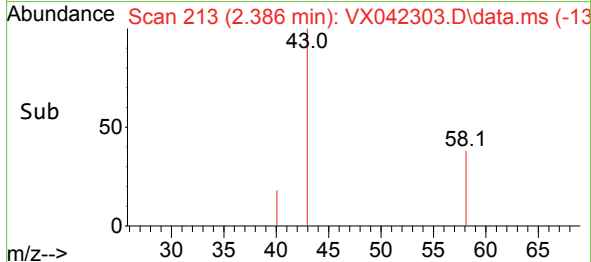
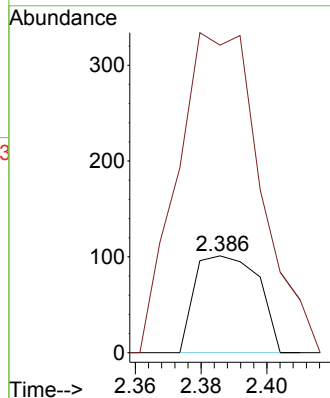
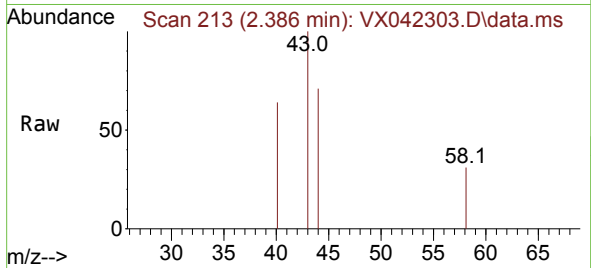
ClientSampleId :

Tgt Ion: 58 Resp: 136

Ion Ratio Lower Upper

58 100

43 234.7 243.4 365.2#



#16

Carbon Disulfide

Concen: 0.203 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX042303.D

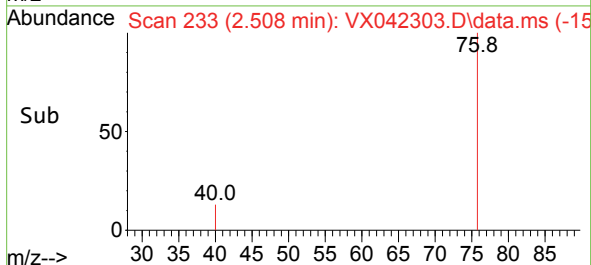
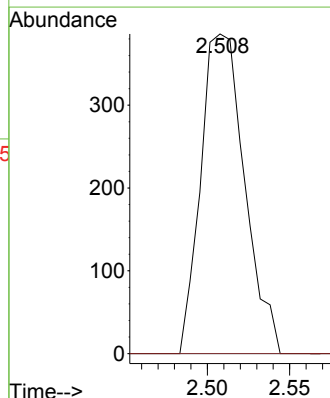
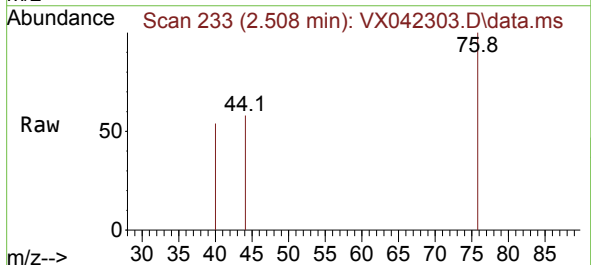
Acq: 12 Jul 2024 15:26

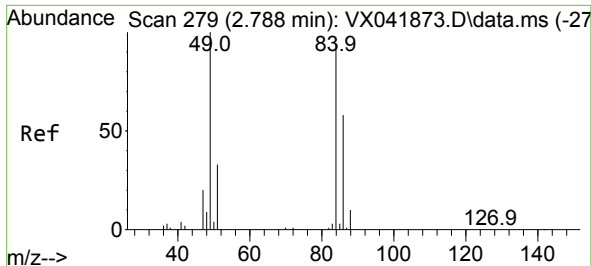
Tgt Ion: 76 Resp: 716

Ion Ratio Lower Upper

76 100

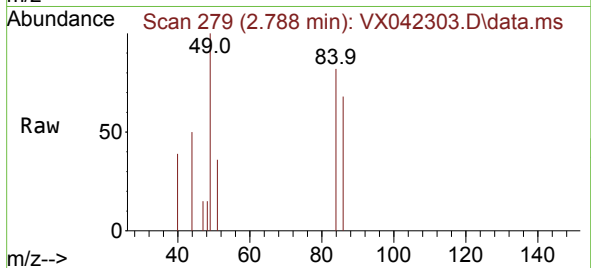
78 0.0 7.3 10.9#



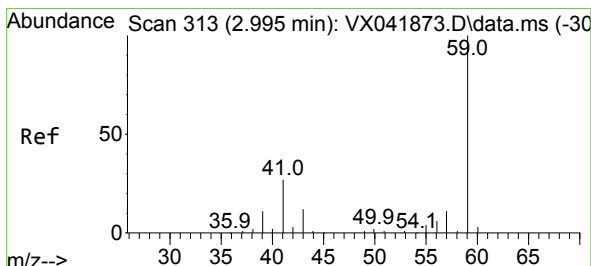
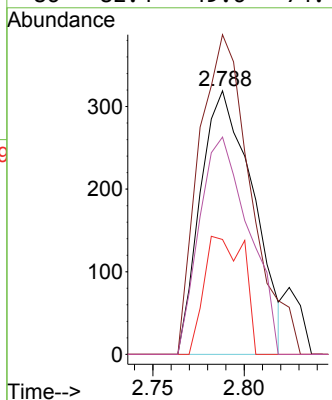
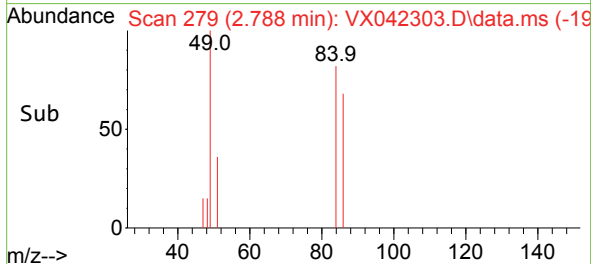


#18
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042303.D
Acq: 12 Jul 2024 15:26

Instrument :
MSVOA_X
ClientSampleId :

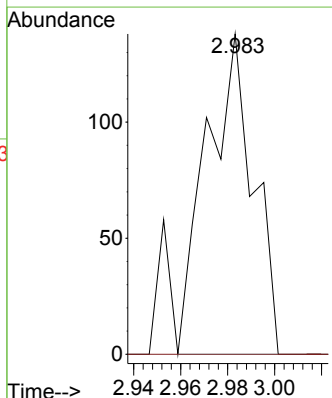
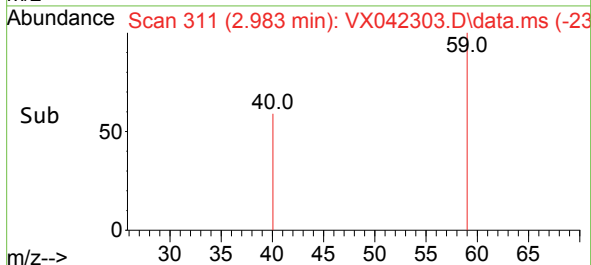
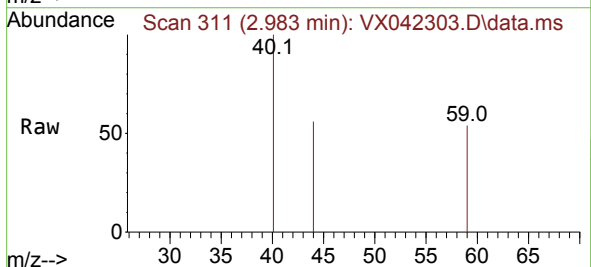


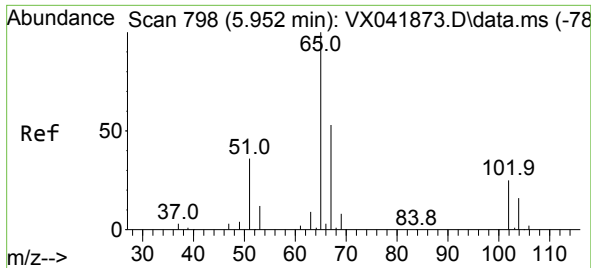
Tgt Ion: 84	Resp: 639
Ion Ratio	Lower Upper
84 100	
49 121.3	85.3 127.9
51 43.6	28.5 42.7#
86 82.4	49.6 74.4#



#23
tert-Butyl Alcohol
Concen: 0.528 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX042303.D
Acq: 12 Jul 2024 15:26

Tgt Ion: 59	Resp: 191
Ion Ratio	Lower Upper
59 100	
52 0.0	0.0 0.0

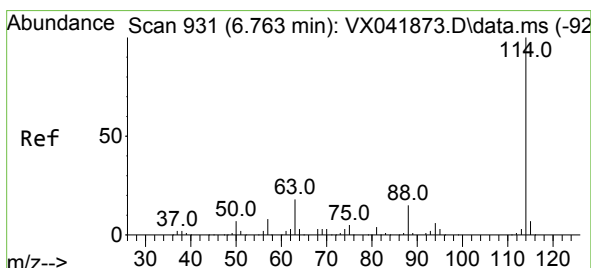
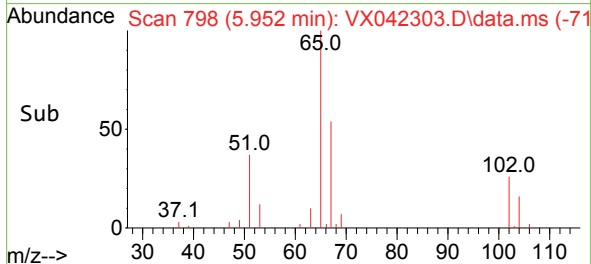
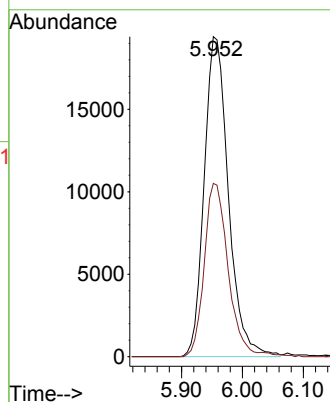
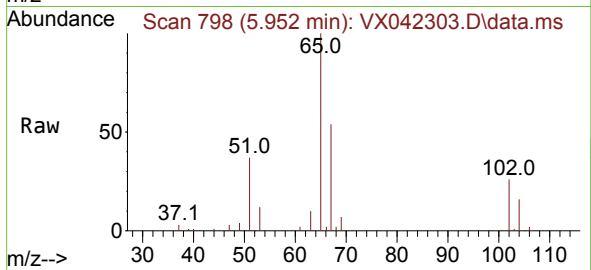




#27
 1,2-Dichloroethane-d4
 Concen: 29.615 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX042303.D
 Acq: 12 Jul 2024 15:26

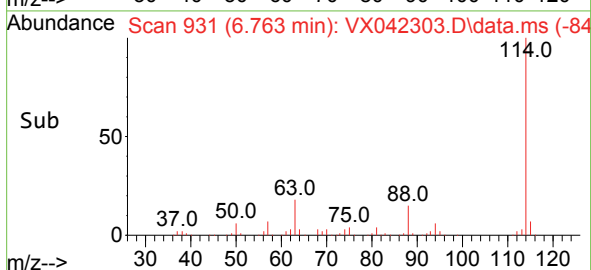
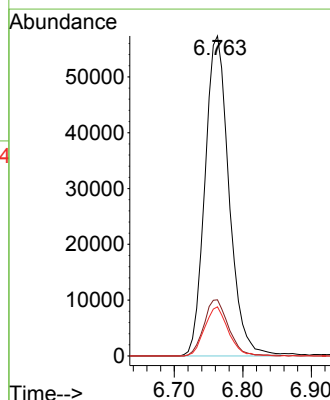
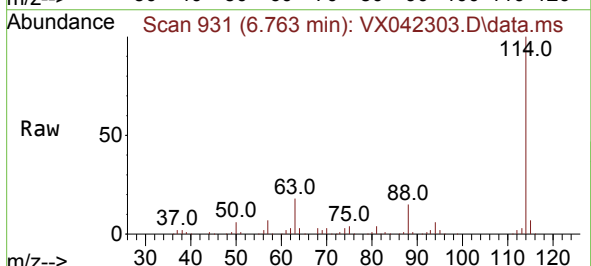
Instrument :
 MSVOA_X
 ClientSampleId :

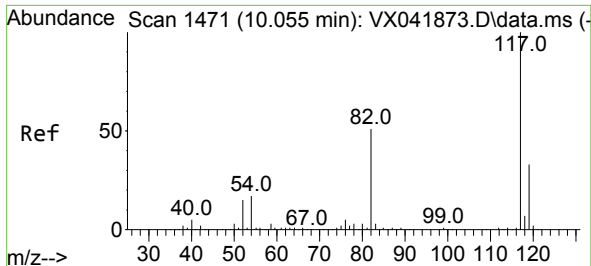
Tgt Ion: 65 Resp: 53645
 Ion Ratio Lower Upper
 65 100
 67 52.8 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX042303.D
 Acq: 12 Jul 2024 15:26

Tgt Ion: 114 Resp: 140279
 Ion Ratio Lower Upper
 114 100
 63 18.0 14.6 21.8
 88 15.0 11.8 17.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042303.D

Acq: 12 Jul 2024 15:26

Instrument :

MSVOA_X

ClientSampleId :

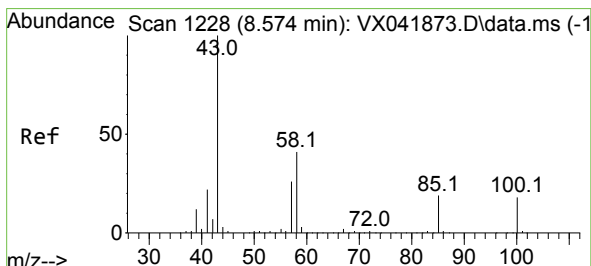
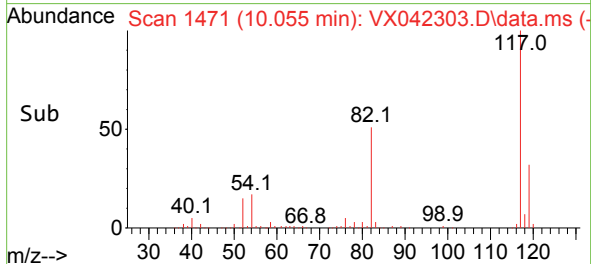
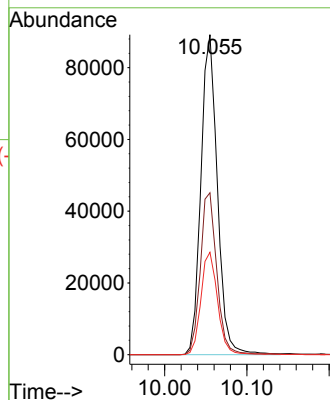
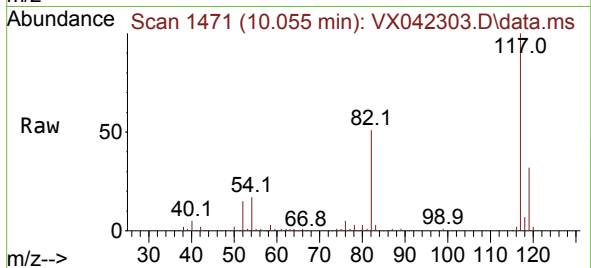
Tgt Ion:117 Resp: 124349

Ion Ratio Lower Upper

117 100

82 50.5 41.1 61.7

119 32.4 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.265 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX042303.D

Acq: 12 Jul 2024 15:26

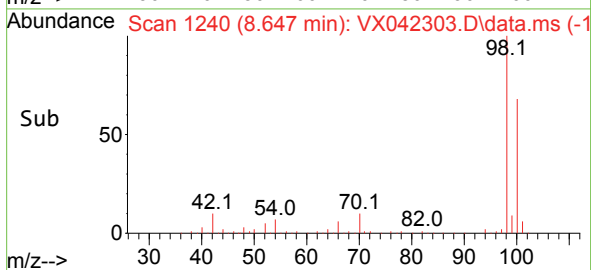
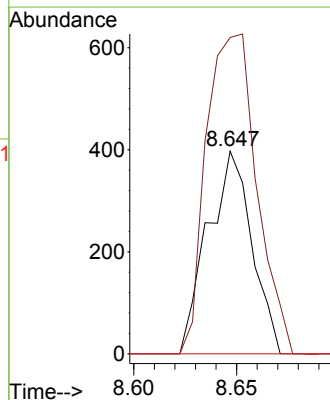
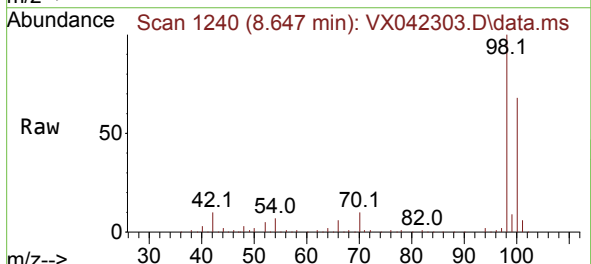
Tgt Ion: 43 Resp: 591

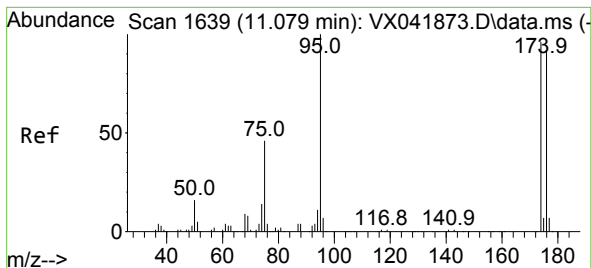
Ion Ratio Lower Upper

43 100

58 181.7 33.2 49.8#

85 0.0 15.5 23.3#

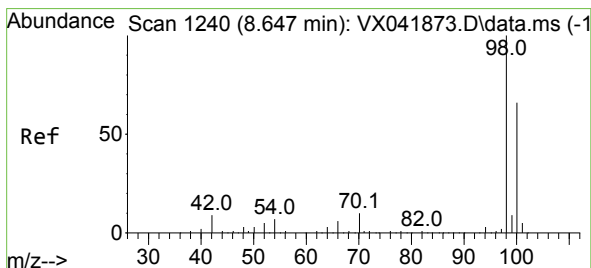
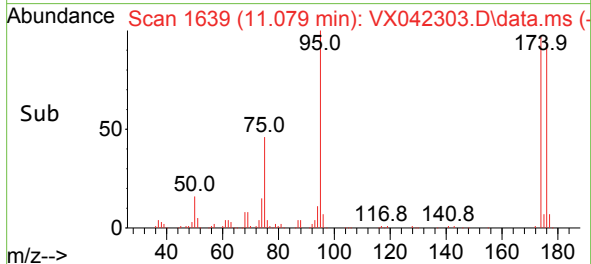
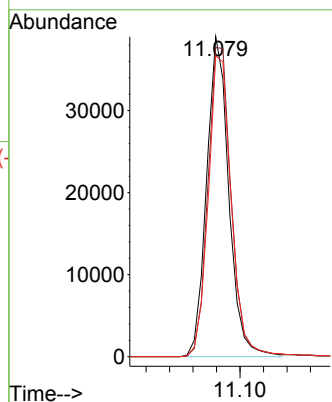
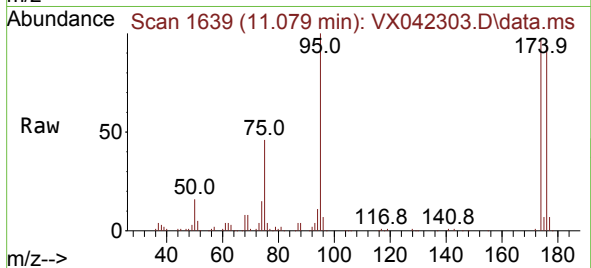




#60
4-Bromofluorobenzene
Concen: 26.596 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042303.D
Acq: 12 Jul 2024 15:26

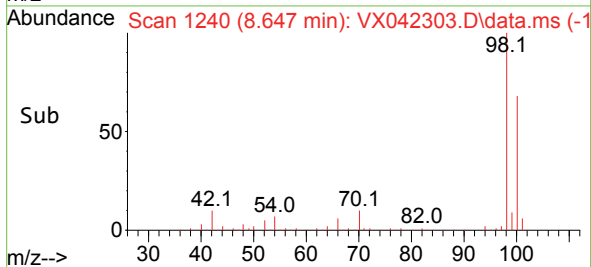
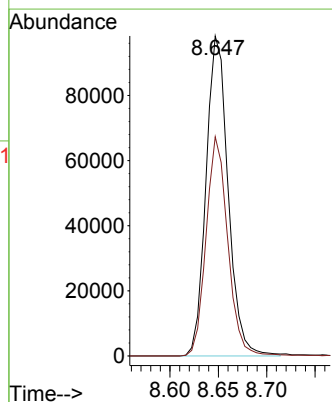
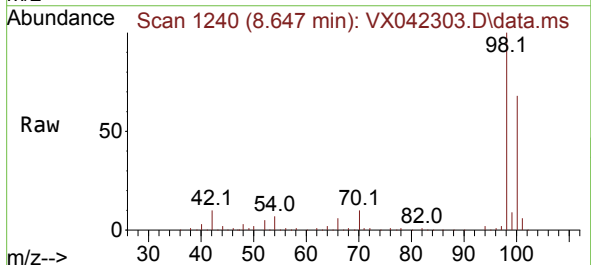
Instrument :
MSVOA_X
ClientSampleId :

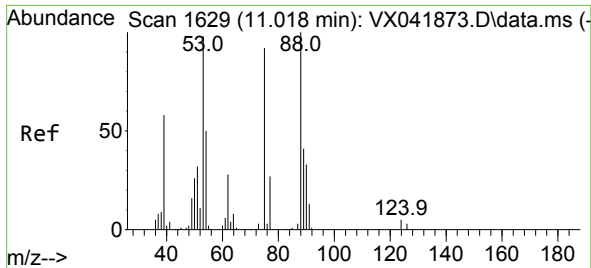
Tgt Ion: 95 Resp: 51192
Ion Ratio Lower Upper
95 100
174 102.2 78.9 118.3
176 98.1 77.1 115.7



#63
Toluene-d8
Concen: 29.399 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042303.D
Acq: 12 Jul 2024 15:26

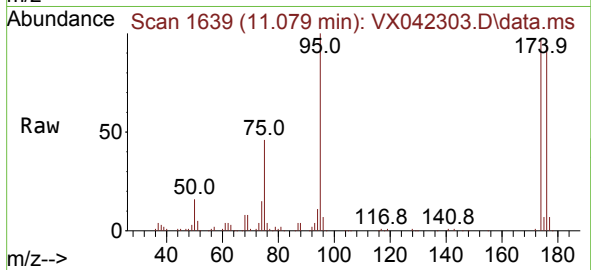
Tgt Ion: 98 Resp: 156403
Ion Ratio Lower Upper
98 100
100 67.1 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.305 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042303.D
 Acq: 12 Jul 2024 15:26

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 23238
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

