

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042298.D
 Acq On : 12 Jul 2024 13:30
 Operator : JC/MD
 Sample : P3219-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 03:26:01 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)

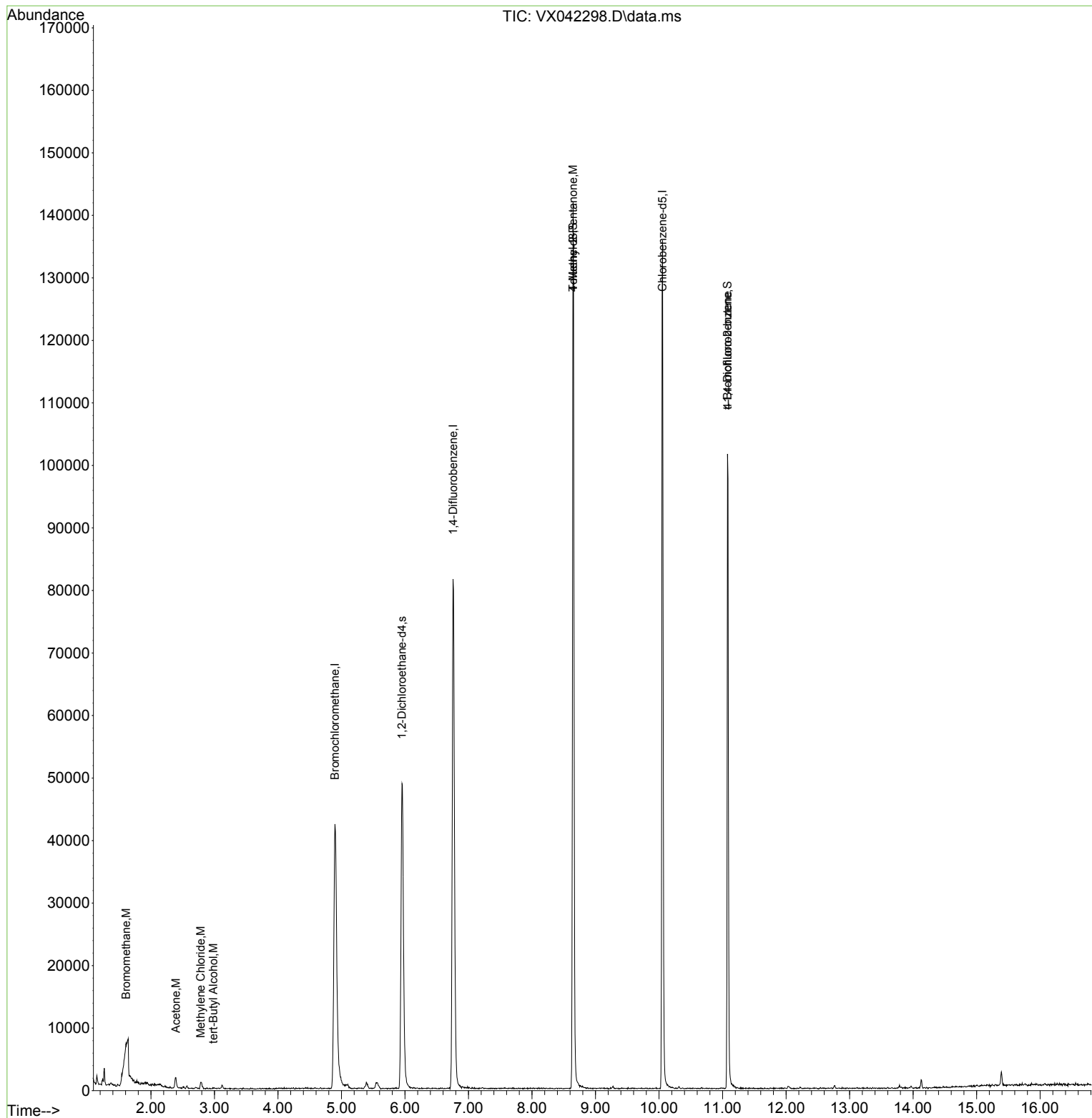
Internal Standards						
1) Bromochloromethane	4.897	128	23448	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	92976	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	72864	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	48160	29.836	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.467%
60) 4-Bromofluorobenzene	11.079	95	28116	24.928	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.100%
63) Toluene-d8	8.647	98	91466	29.341	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.800%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	348	0.392	ug/l #	62
15) Acetone	2.392	58	696	2.806	ug/l #	69
18) Methylene Chloride	2.782	84	690	0.420	ug/l #	94
23) tert-Butyl Alcohol	2.983	59	227	0.704	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	361	0.276	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	12942	30.705	ug/l #	7

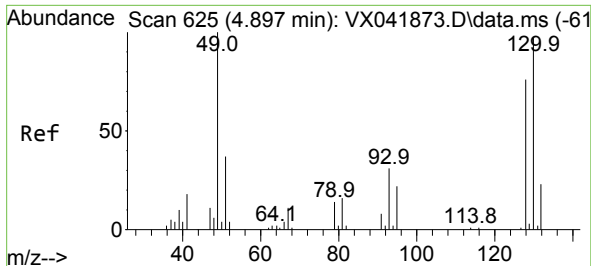
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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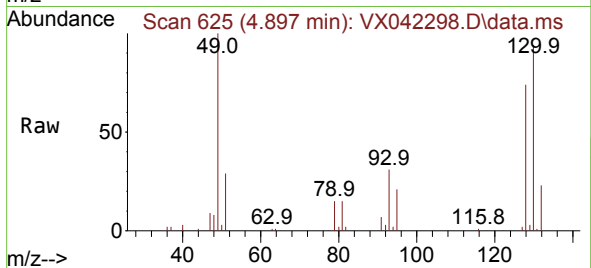
Quant Time: Jul 15 03:26:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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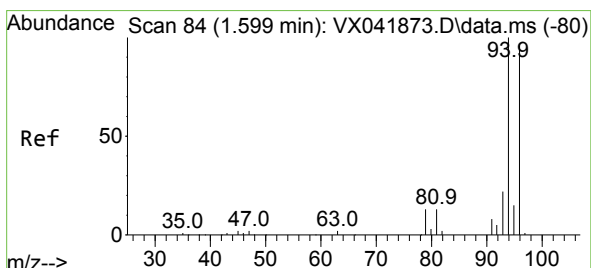
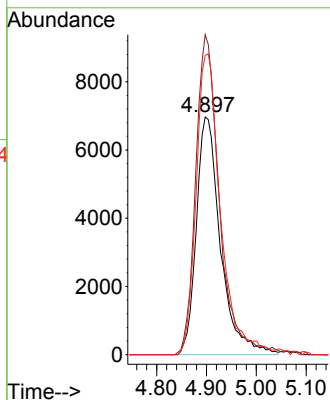
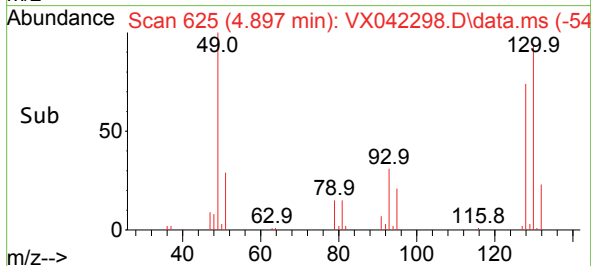


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042298.D
Acq: 12 Jul 2024 13:30

Instrument :
MSVOA_X
ClientSampleId :

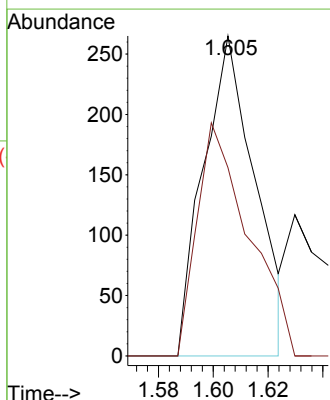
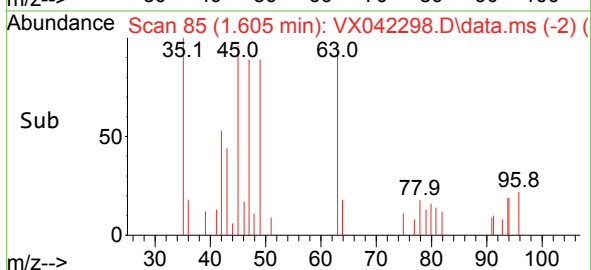
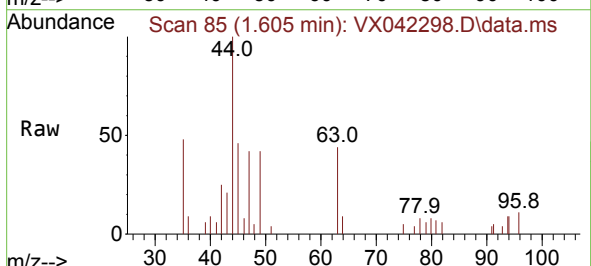


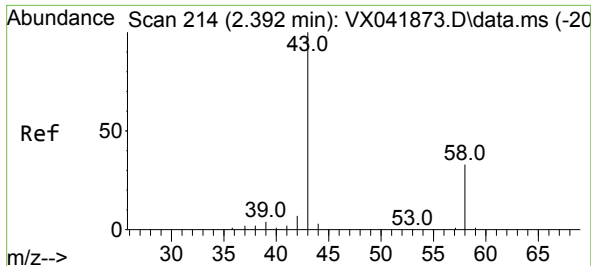
Tgt Ion:128 Resp: 23448
Ion Ratio Lower Upper
128 100
49 130.1 0.0 338.5
130 121.6 0.0 324.5



#5
Bromomethane
Concen: 0.392 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX042298.D
Acq: 12 Jul 2024 13:30

Tgt Ion: 94 Resp: 348
Ion Ratio Lower Upper
94 100
96 58.9 76.6 115.0#





#15

Acetone

Concen: 2.806 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX042298.D

Acq: 12 Jul 2024 13:30

Instrument :

MSVOA_X

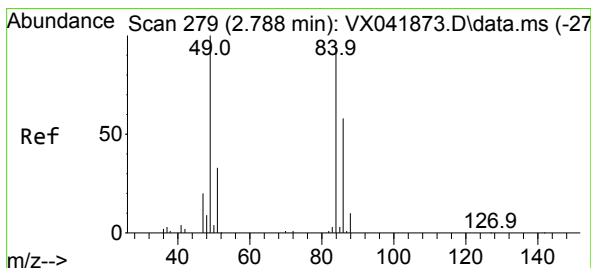
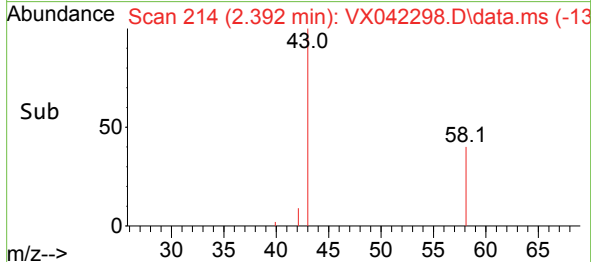
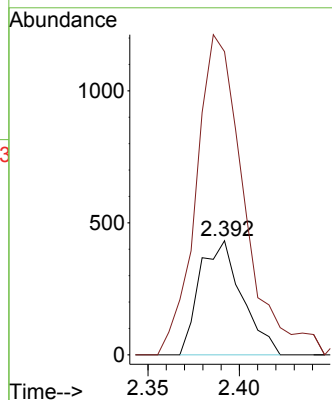
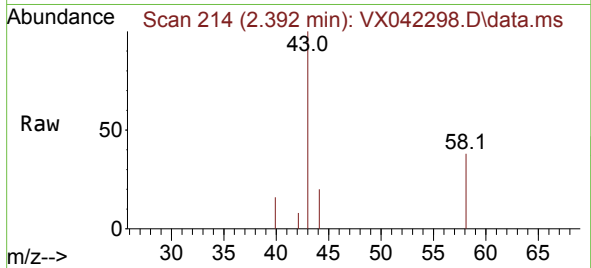
ClientSampleId :

Tgt Ion: 58 Resp: 696

Ion Ratio Lower Upper

58 100

43 242.1 243.4 365.2#



#18

Methylene Chloride

Concen: 0.420 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX042298.D

Acq: 12 Jul 2024 13:30

Tgt Ion: 84 Resp: 690

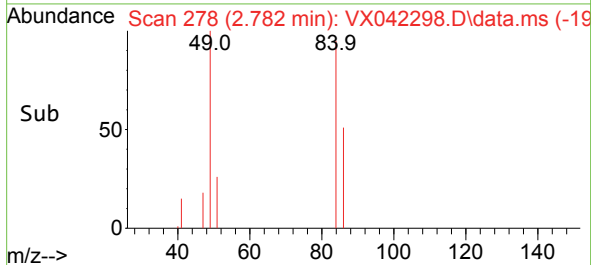
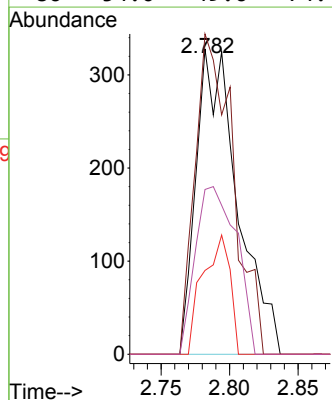
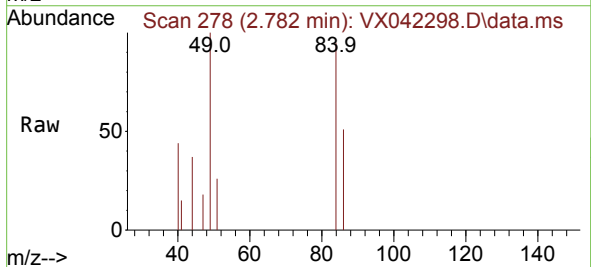
Ion Ratio Lower Upper

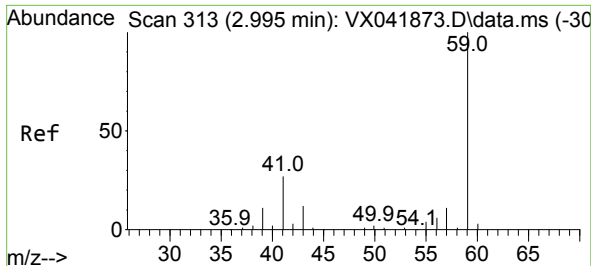
84 100

49 104.9 85.3 127.9

51 27.4 28.5 42.7#

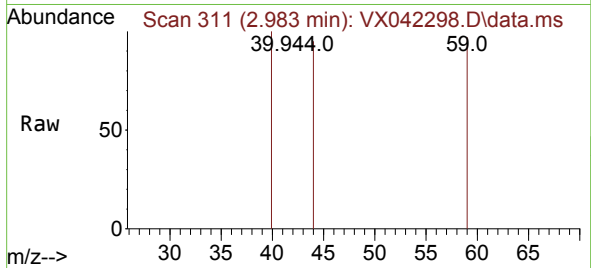
86 54.0 49.6 74.4



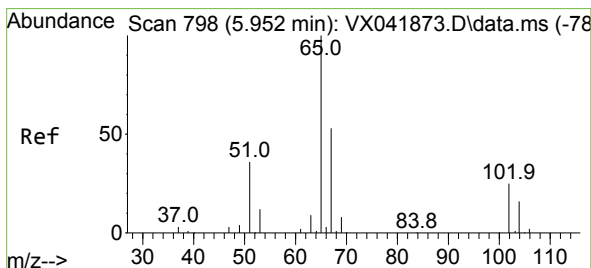
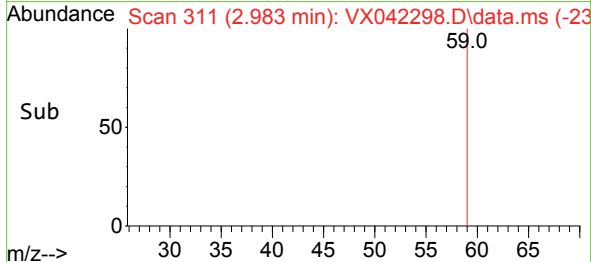
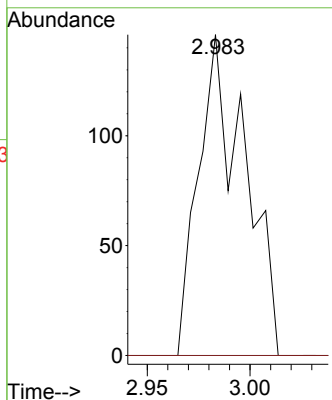


#23
tert-Butyl Alcohol
Concen: 0.704 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX042298.D
Acq: 12 Jul 2024 13:30

Instrument :
MSVOA_X
ClientSampleId :

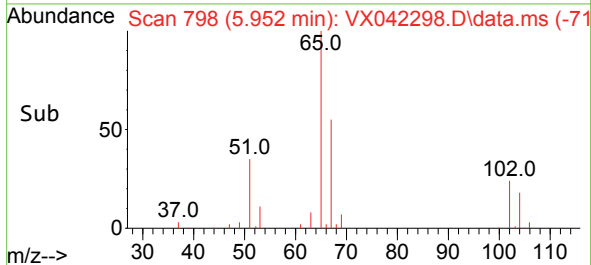
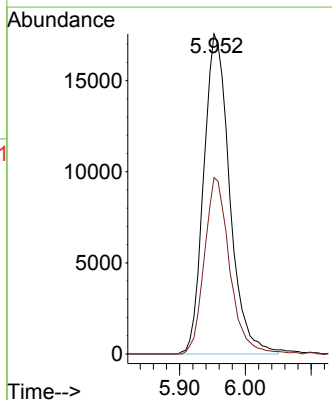
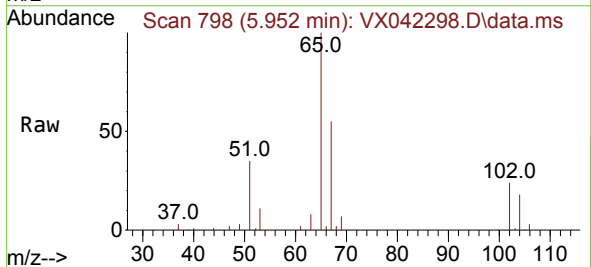


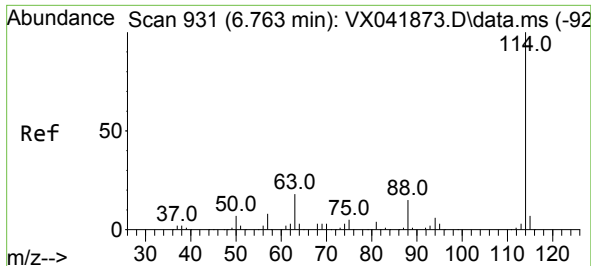
Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.836 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX042298.D
Acq: 12 Jul 2024 13:30

Tgt Ion: 65 Resp: 48160
Ion Ratio Lower Upper
65 100
67 53.7 43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX042298.D

Acq: 12 Jul 2024 13:30

Instrument :

MSVOA_X

ClientSampleId :

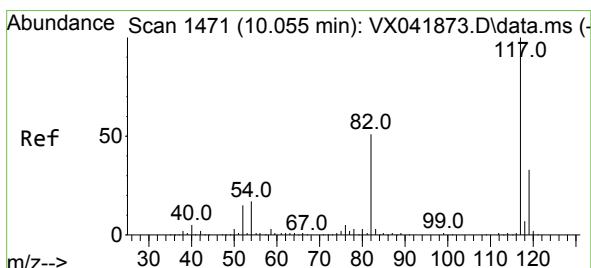
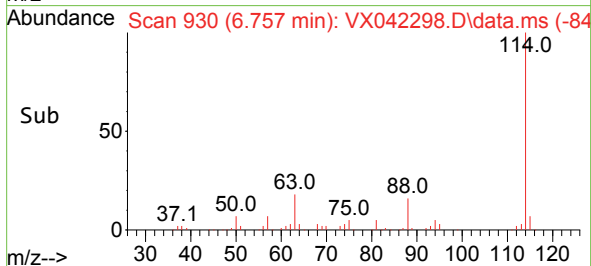
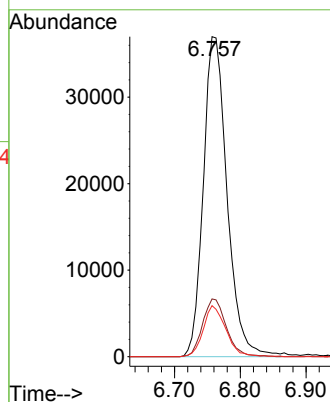
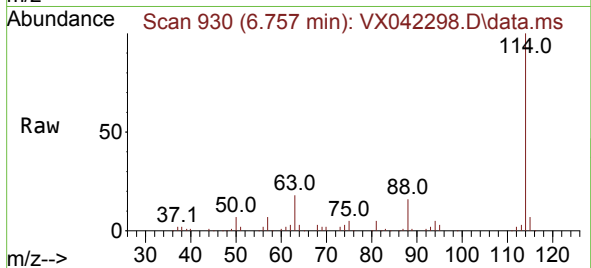
Tgt Ion:114 Resp: 92976

Ion Ratio Lower Upper

114 100

63 18.0 14.6 21.8

88 15.2 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: VX042298.D

Acq: 12 Jul 2024 13:30

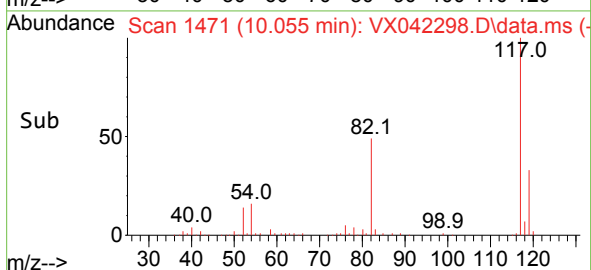
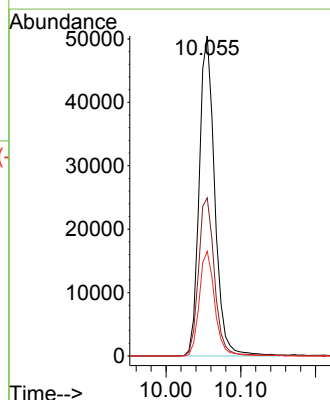
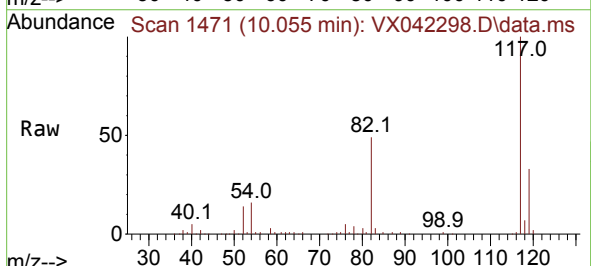
Tgt Ion:117 Resp: 72864

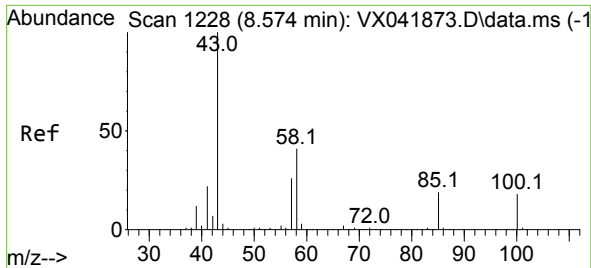
Ion Ratio Lower Upper

117 100

82 50.7 41.1 61.7

119 32.5 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 0.276 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX042298.D

Acq: 12 Jul 2024 13:30

Instrument :

MSVOA_X

ClientSampleId :

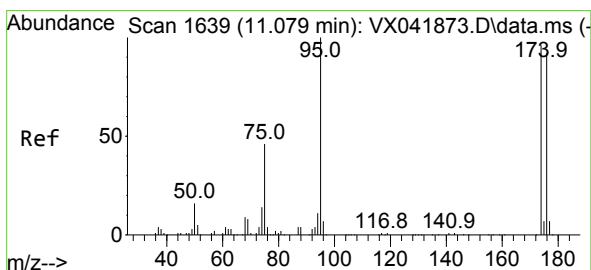
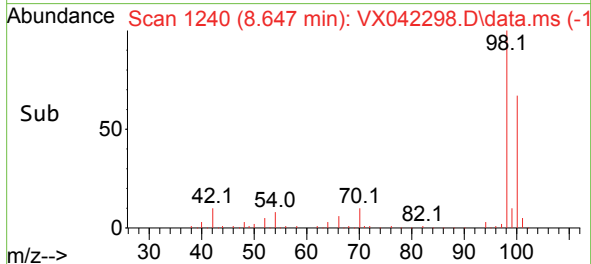
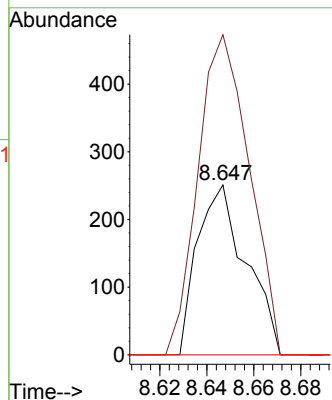
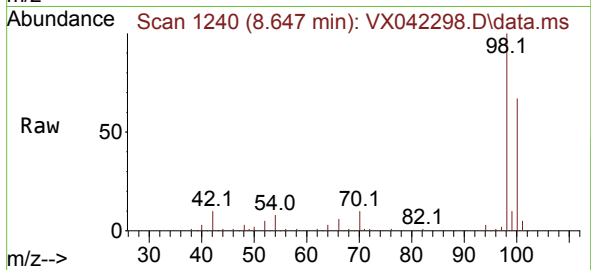
Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

58 199.2 33.2 49.8#

85 0.0 15.5 23.3#



#60

4-Bromofluorobenzene

Concen: 24.928 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX042298.D

Acq: 12 Jul 2024 13:30

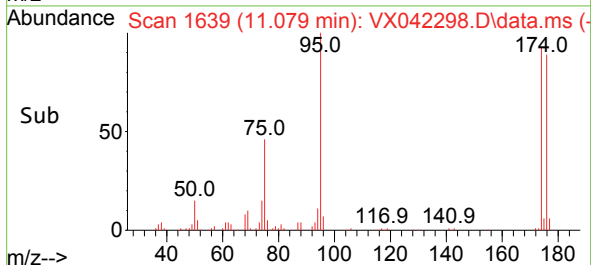
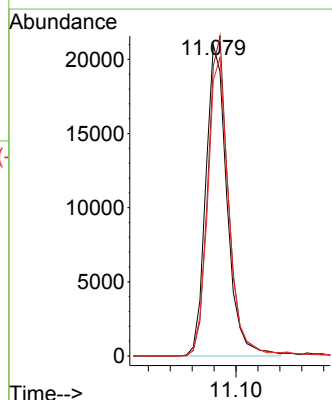
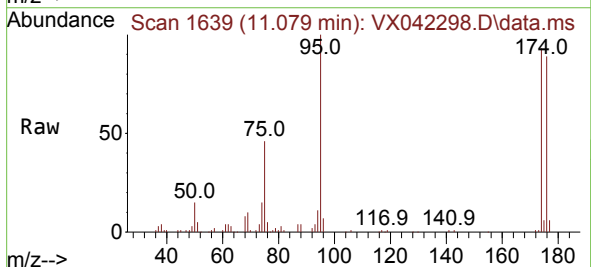
Tgt Ion: 95 Resp: 28116

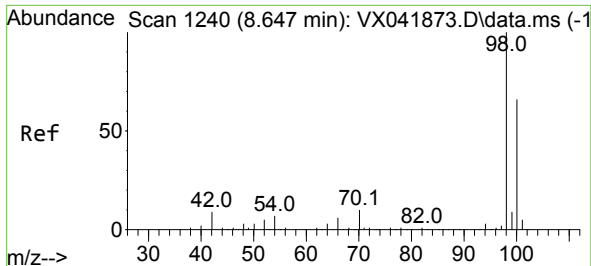
Ion Ratio Lower Upper

95 100

174 100.3 78.9 118.3

176 94.9 77.1 115.7

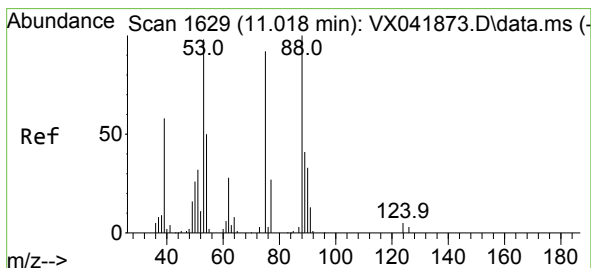
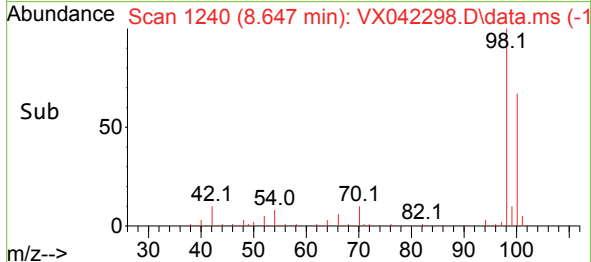
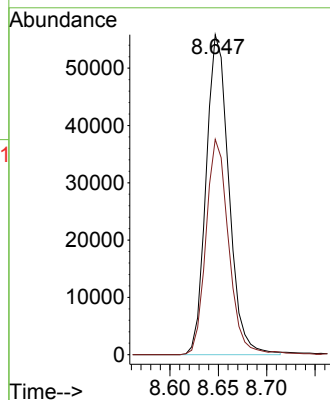
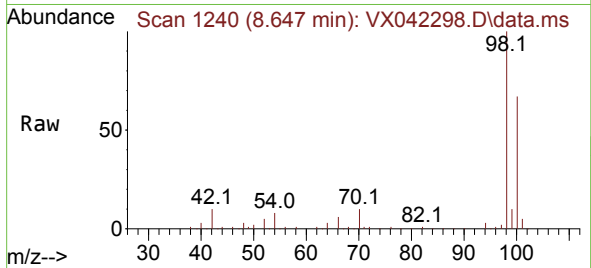




#63
Toluene-d8
Concen: 29.341 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042298.D
Acq: 12 Jul 2024 13:30

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 91466
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 30.705 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042298.D
Acq: 12 Jul 2024 13:30

Tgt Ion: 75 Resp: 12942
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

