

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041956.D
 Acq On : 20 Jun 2024 11:28
 Operator : JC/MD
 Sample : P2980-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:15:03 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)

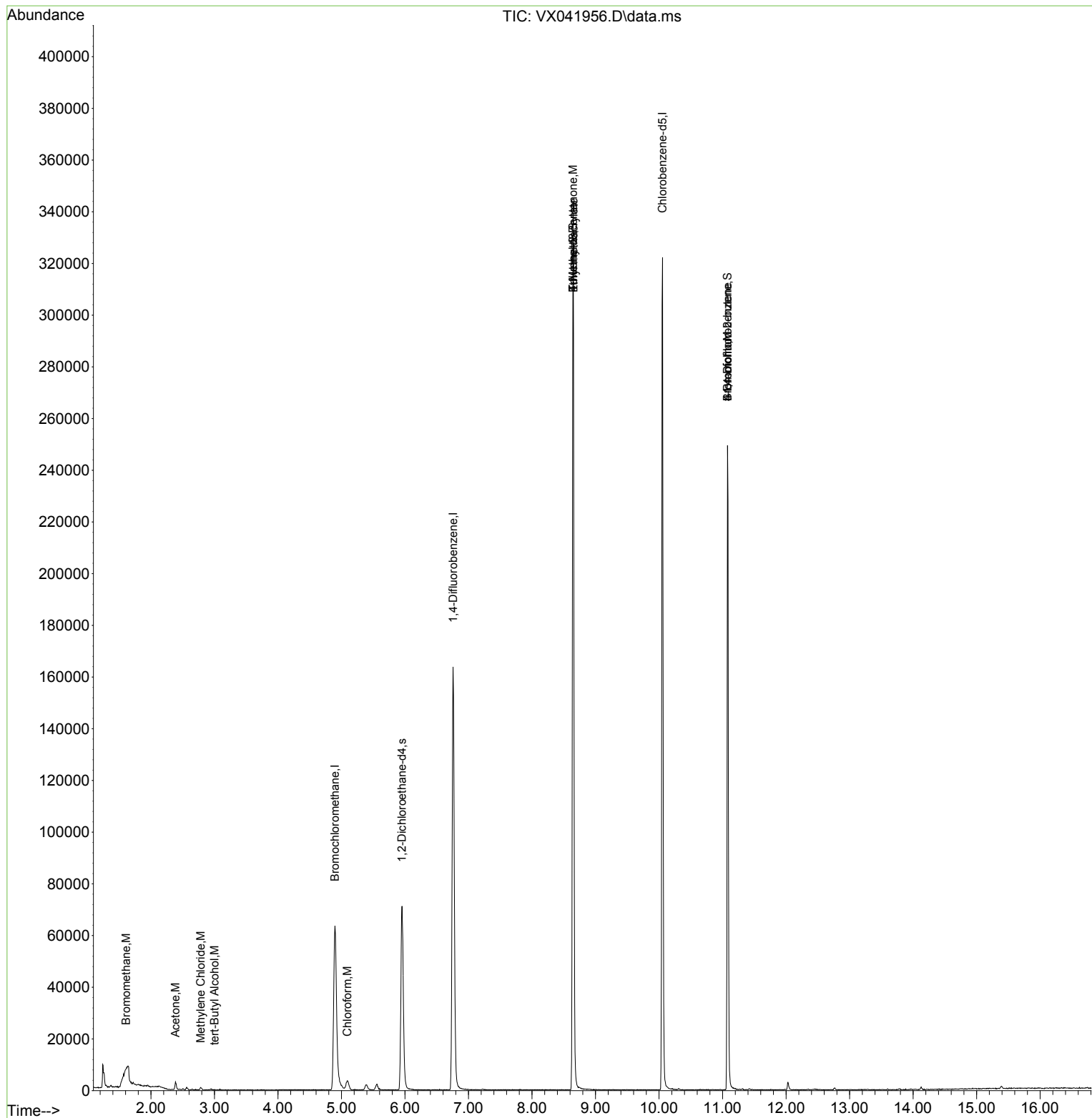
Internal Standards						
1) Bromochloromethane	4.897	128	32532	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	180080	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	163618	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	67648	30.207	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.700%
60) 4-Bromofluorobenzene	11.079	95	67228	26.544	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.467%
63) Toluene-d8	8.647	98	209534	29.933	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.767%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	285	0.232	ug/l	82
15) Acetone	2.386	58	996	2.894	ug/l	75
18) Methylene Chloride	2.782	84	500	0.219	ug/l #	75
23) tert-Butyl Alcohol	3.001	59	104	0.233	ug/l #	100
25) Chloroform	5.093	83	4577	1.270	ug/l	95
51) Ethyl methacrylate	8.653	69	646	0.203	ug/l	90
56) Bromoform	11.079	173	471	0.263	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	719	0.245	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	31040	32.795	ug/l #	7

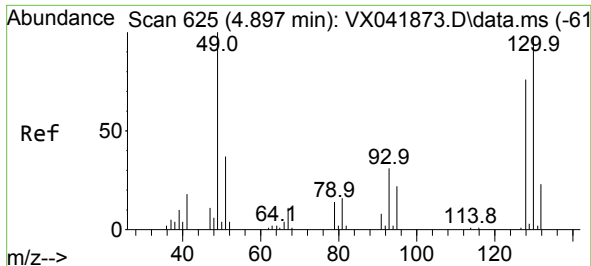
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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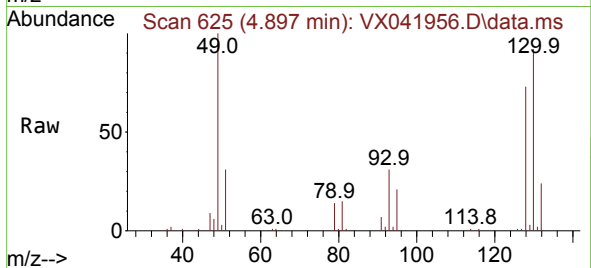
Quant Time: Jun 21 03:15:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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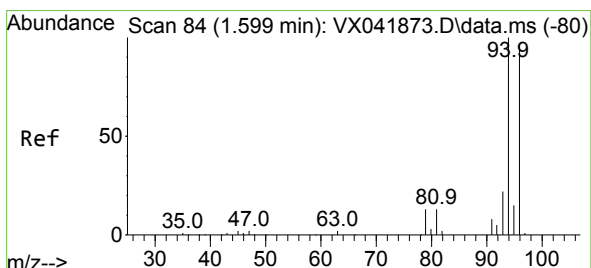
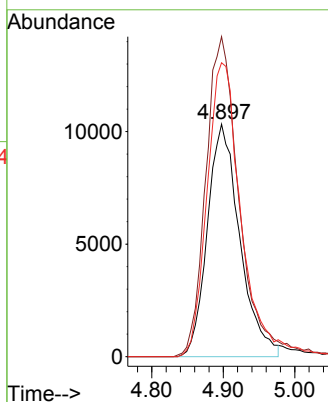
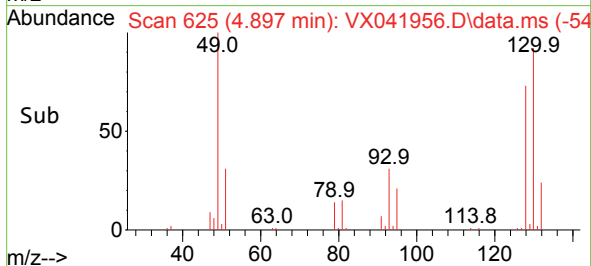


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041956.D
Acq: 20 Jun 2024 11:28

Instrument :
MSVOA_X
ClientSampleId :

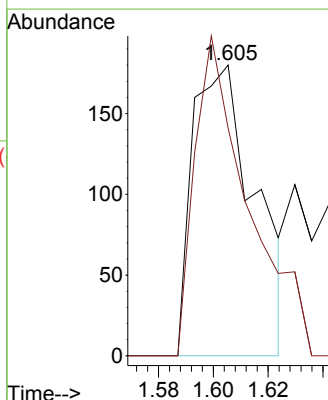
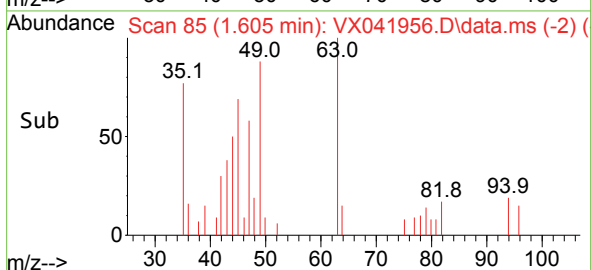
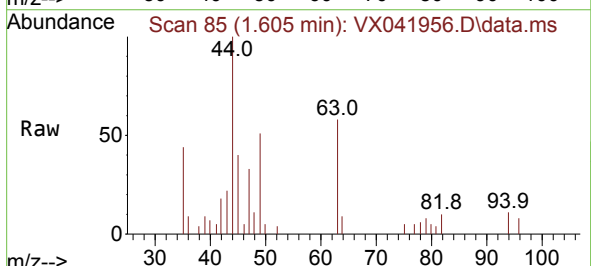


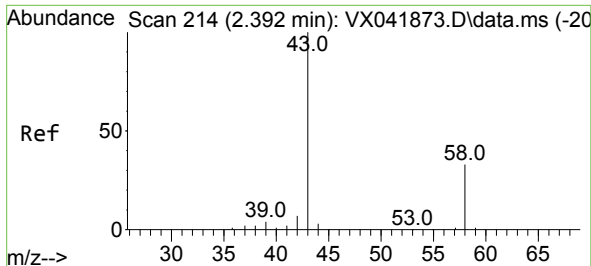
Tgt Ion:128 Resp: 32532
Ion Ratio Lower Upper
128 100
49 142.1 0.0 338.5
130 128.8 0.0 324.5



#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041956.D
Acq: 20 Jun 2024 11:28

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 78.3 76.6 115.0





#15

Acetone

Concen: 2.894 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

Instrument :

MSVOA_X

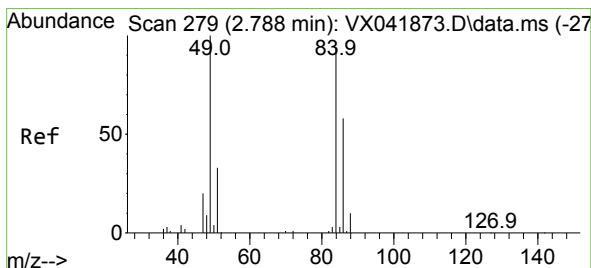
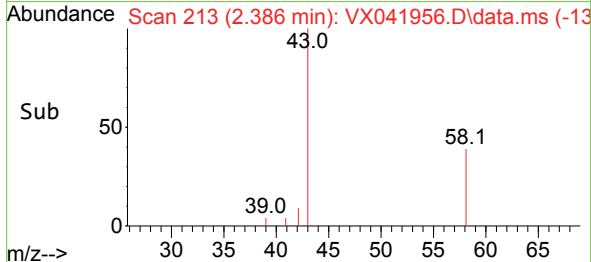
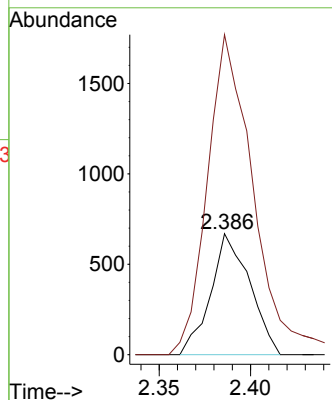
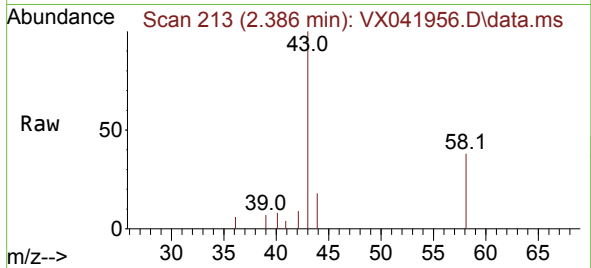
ClientSampleId :

Tgt Ion: 58 Resp: 996

Ion Ratio Lower Upper

58 100

43 254.4 243.4 365.2



#18

Methylene Chloride

Concen: 0.219 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

Tgt Ion: 84 Resp: 500

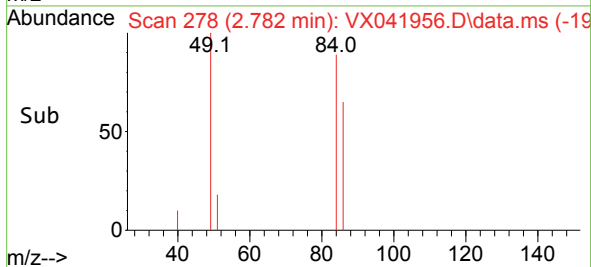
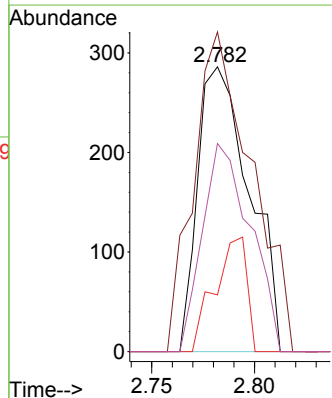
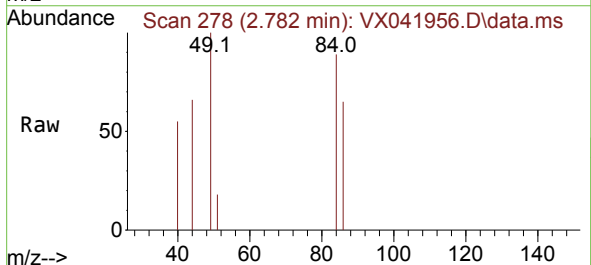
Ion Ratio Lower Upper

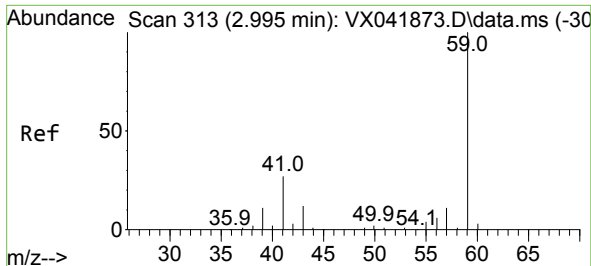
84 100

49 74.8 85.3 127.9#

51 19.9 28.5 42.7#

86 73.1 49.6 74.4





#23

tert-Butyl Alcohol

Concen: 0.233 ug/l

RT: 3.001 min Scan# 313

Delta R.T. 0.006 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

Instrument :

MSVOA_X

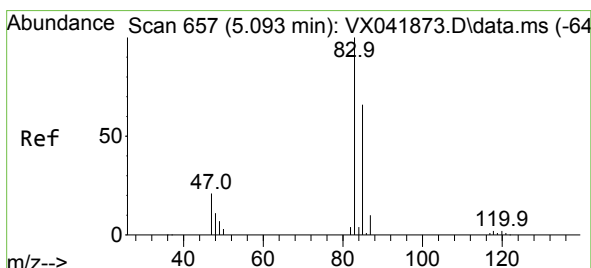
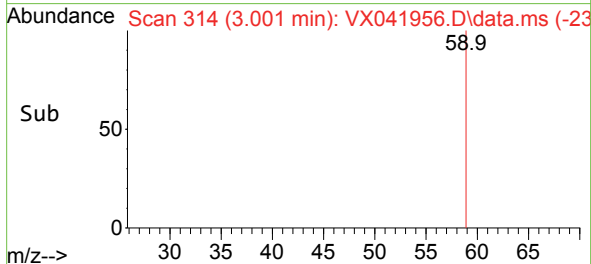
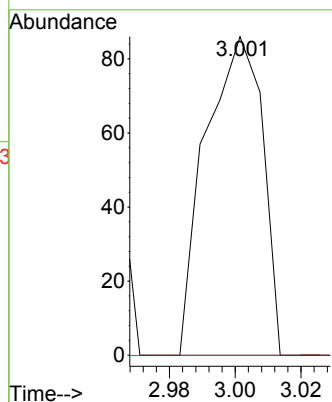
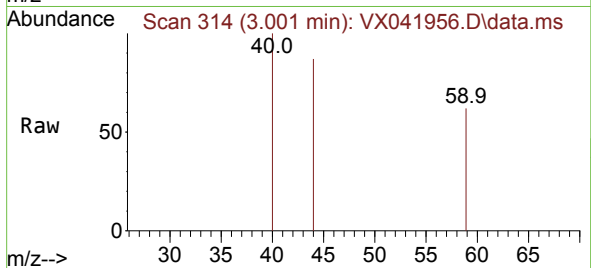
ClientSampleId :

Tgt Ion: 59 Resp: 104

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 1.270 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041956.D

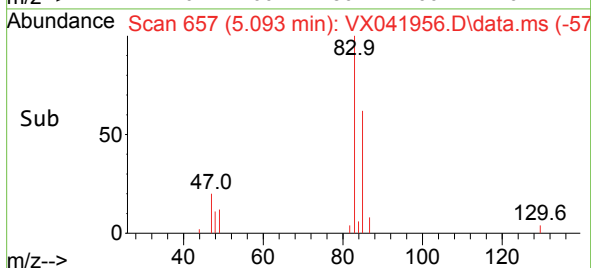
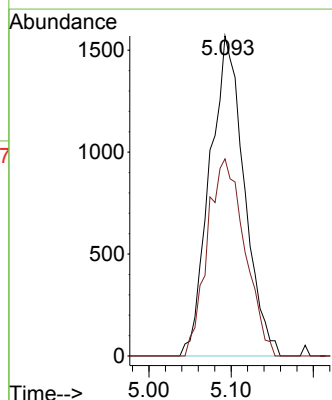
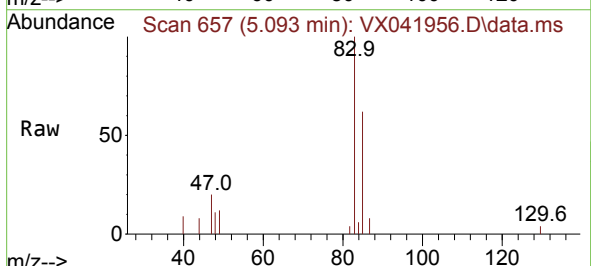
Acq: 20 Jun 2024 11:28

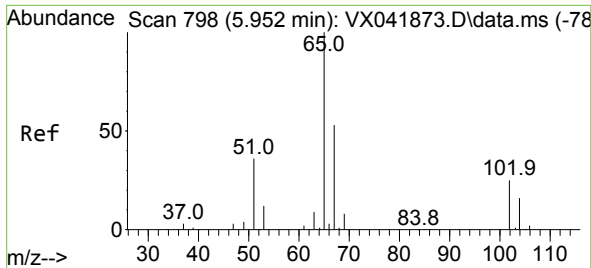
Tgt Ion: 83 Resp: 4577

Ion Ratio Lower Upper

83 100

85 61.6 52.7 79.1

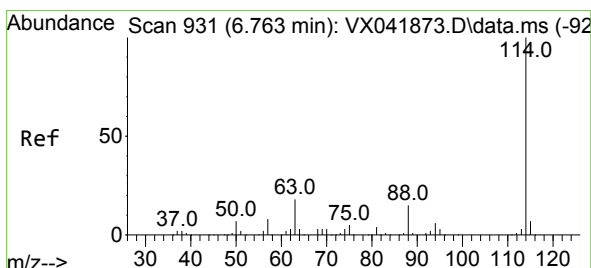
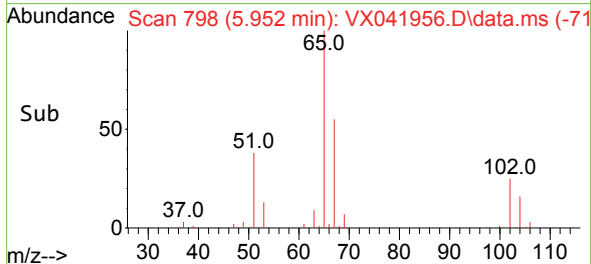
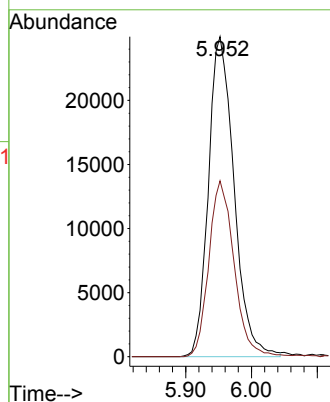
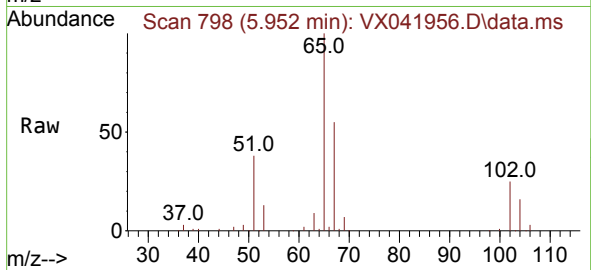




#27
 1,2-Dichloroethane-d4
 Concen: 30.207 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041956.D
 Acq: 20 Jun 2024 11:28

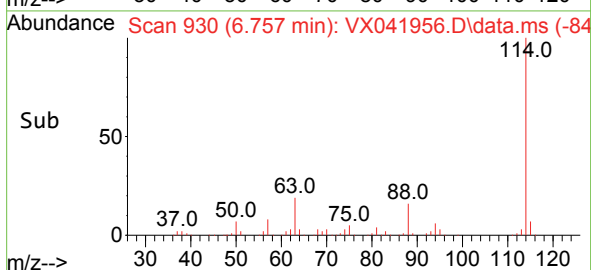
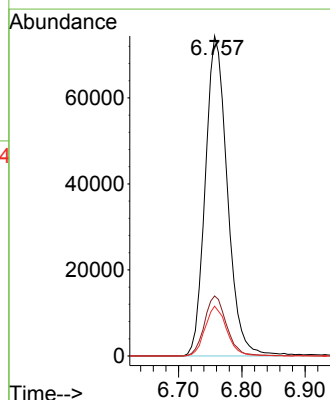
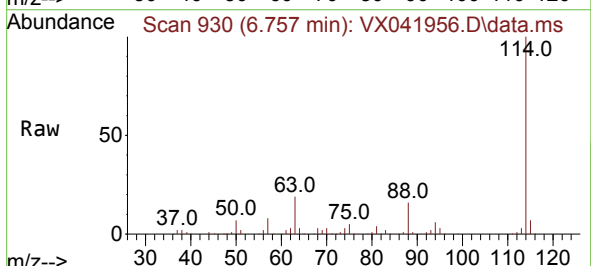
Instrument :
 MSVOA_X
 ClientSampleId :

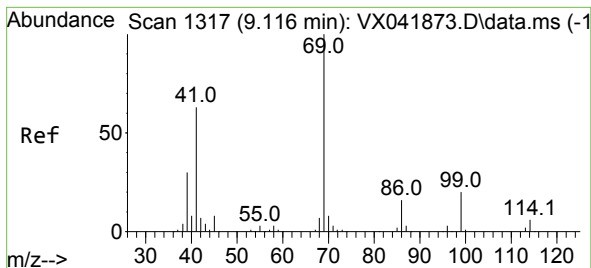
Tgt Ion: 65 Resp: 67648
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX041956.D
 Acq: 20 Jun 2024 11:28

Tgt Ion: 114 Resp: 180080
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.6 21.8
 88 15.2 11.8 17.8





#51

Ethyl methacrylate

Concen: 0.203 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.463 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

Instrument :

MSVOA_X

ClientSampleId :

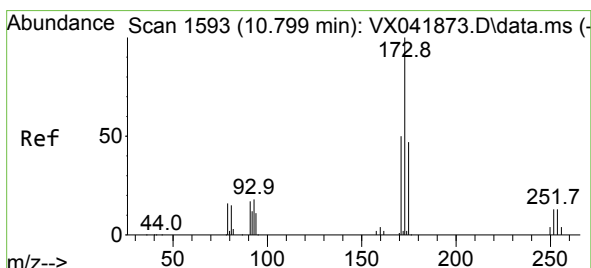
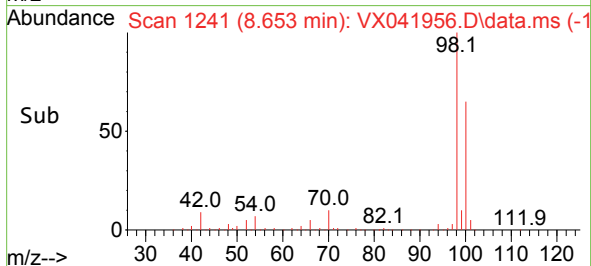
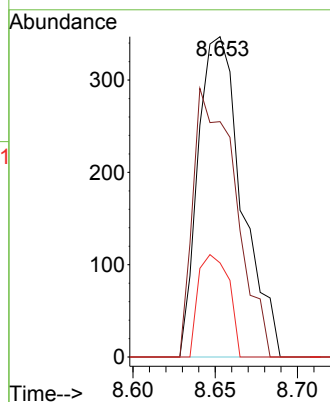
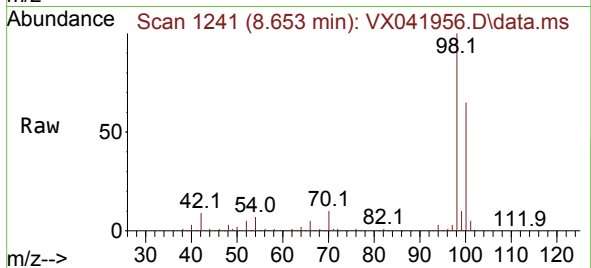
Tgt Ion: 69 Resp: 646

Ion Ratio Lower Upper

69 100

41 73.5 31.6 94.7

39 29.4 15.3 45.8



#56

Bromoform

Concen: 0.263 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

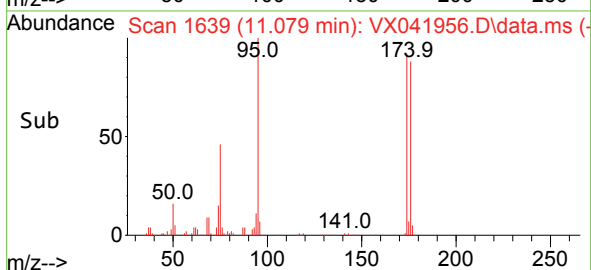
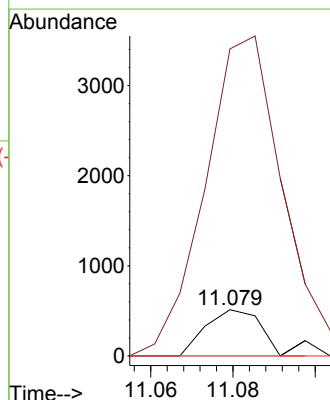
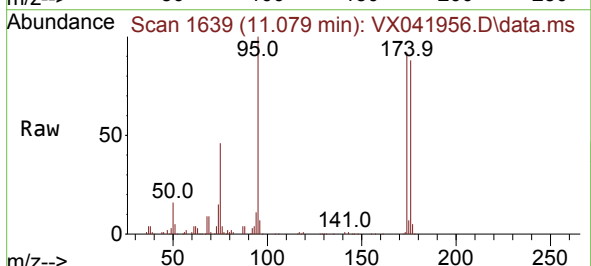
Tgt Ion: 173 Resp: 471

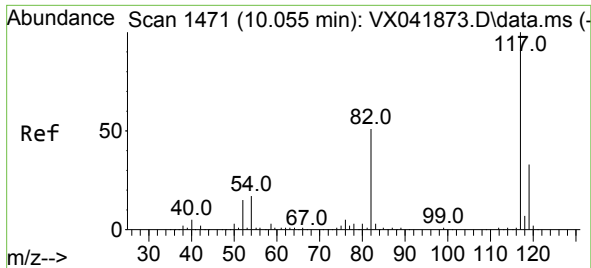
Ion Ratio Lower Upper

173 100

175 1010.0 39.3 58.9#

254 0.0 9.6 14.4#

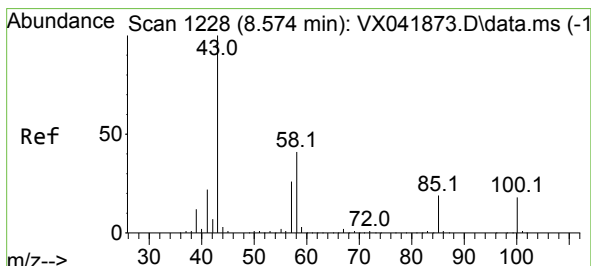
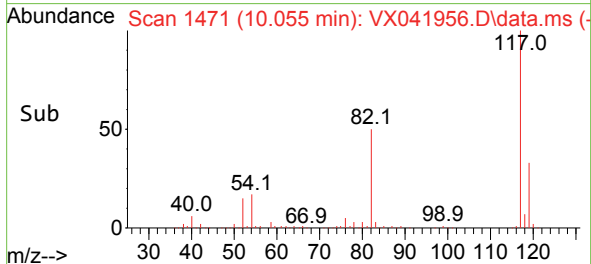
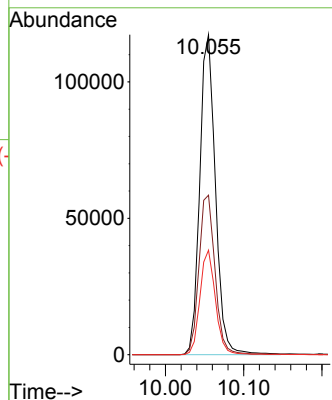
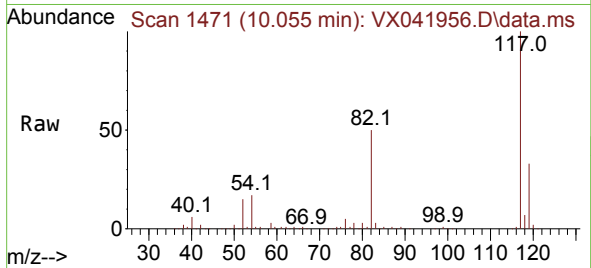




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041956.D
Acq: 20 Jun 2024 11:28

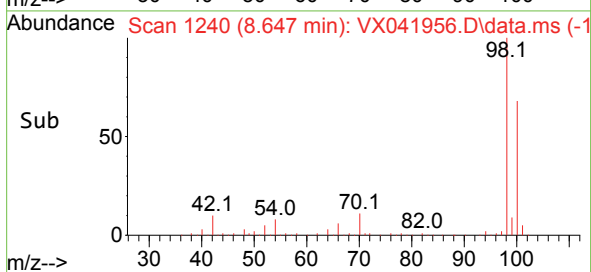
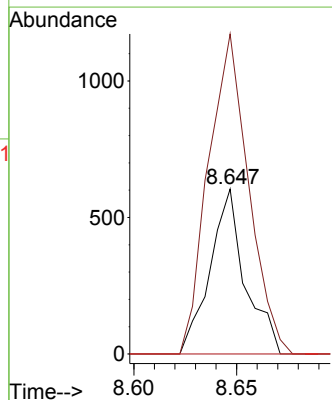
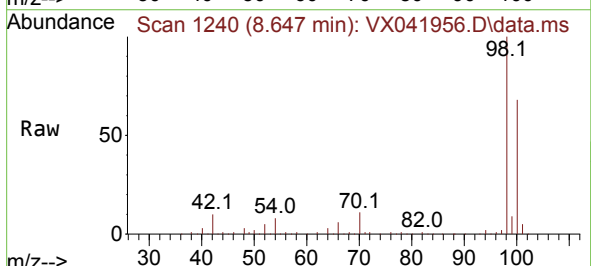
Instrument :
MSVOA_X
ClientSampleId :

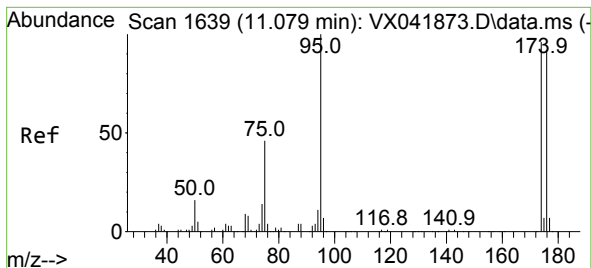
Tgt Ion:117 Resp: 163618
Ion Ratio Lower Upper
117 100
82 51.2 41.1 61.7
119 32.1 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 0.245 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX041956.D
Acq: 20 Jun 2024 11:28

Tgt Ion: 43 Resp: 719
Ion Ratio Lower Upper
43 100
58 222.1 33.2 49.8#
85 0.0 15.5 23.3#

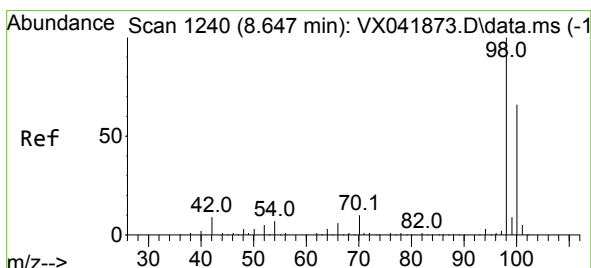
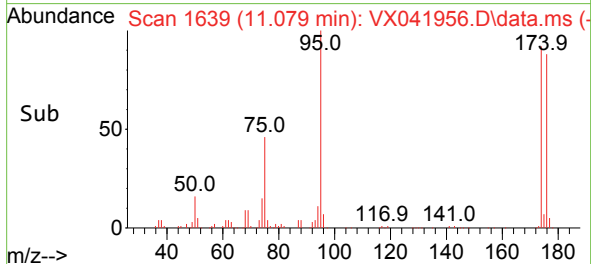
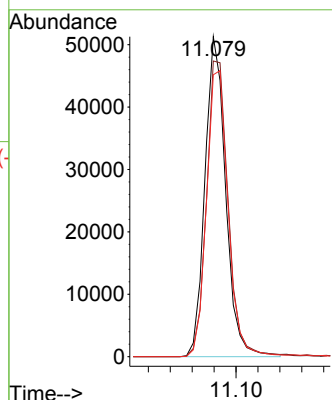
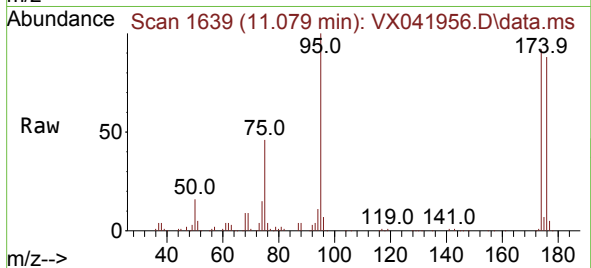




#60
4-Bromofluorobenzene
Concen: 26.544 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041956.D
Acq: 20 Jun 2024 11:28

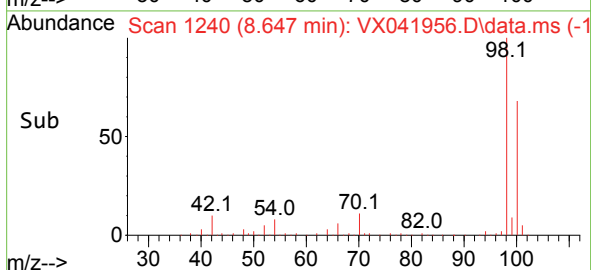
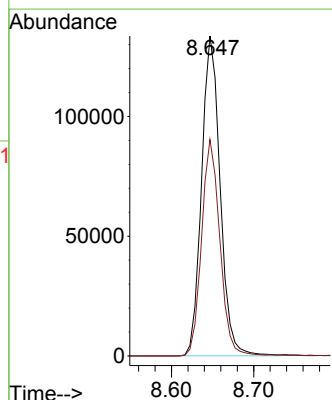
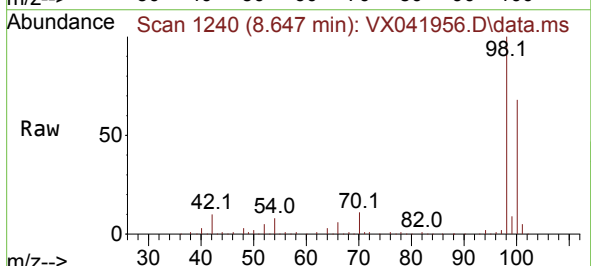
Instrument :
MSVOA_X
ClientSampleId :

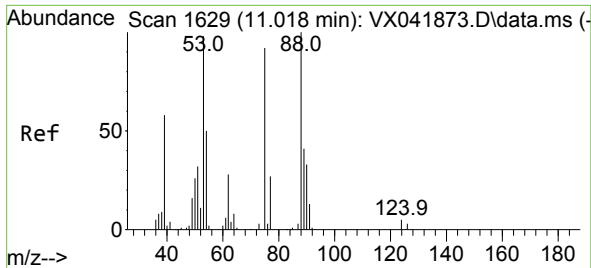
Tgt Ion: 95 Resp: 67228
Ion Ratio Lower Upper
95 100
174 96.6 78.9 118.3
176 93.3 77.1 115.7



#63
Toluene-d8
Concen: 29.933 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041956.D
Acq: 20 Jun 2024 11:28

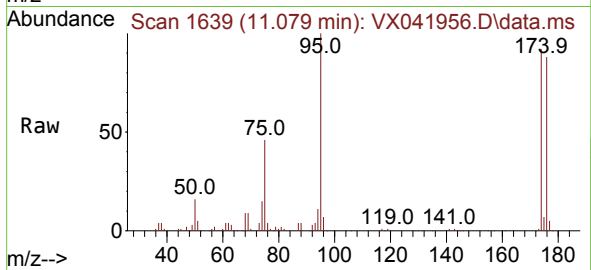
Tgt Ion: 98 Resp: 209534
Ion Ratio Lower Upper
98 100
100 66.7 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.795 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041956.D
 Acq: 20 Jun 2024 11:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31040
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

