

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042008.D
 Acq On : 24 Jun 2024 16:40
 Operator : JC/MD
 Sample : P3025-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 06:44:42 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

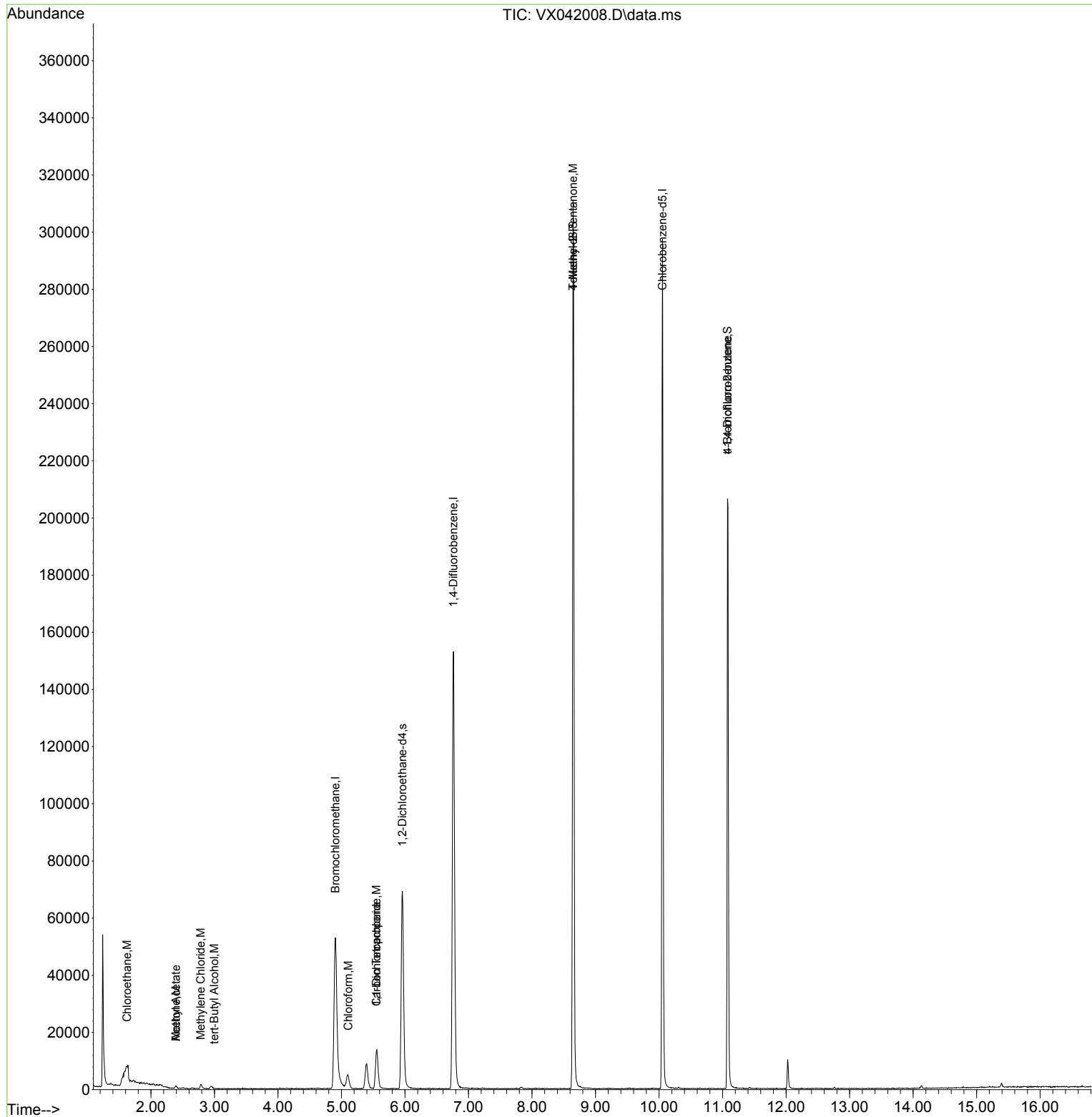
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

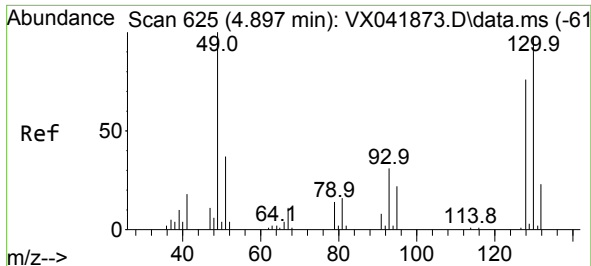
Internal Standards						
1) Bromochloromethane	4.903	128	27741	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	171590	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146540	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	65714	34.411	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	114.700%#
60) 4-Bromofluorobenzene	11.079	95	58068	25.599	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.333%
63) Toluene-d8	8.646	98	191775	30.589	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.967%
Target Compounds						
					Qvalue	
6) Chloroethane	1.623	64	297	0.354	ug/l	98
12) Methyl Acetate	2.391	43	920	0.426	ug/l #	51
15) Acetone	2.391	58	342	1.165	ug/l	99
18) Methylene Chloride	2.782	84	848	0.436	ug/l #	89
23) tert-Butyl Alcohol	2.995	59	84	0.220	ug/l #	100
25) Chloroform	5.104	83	6490	2.112	ug/l	93
29) 1,1-Dichloropropene	5.549	75	935	0.417	ug/l #	38
33) Carbon Tetrachloride	5.549	117	737	0.301	ug/l #	13
58) 4-Methyl-2-Pentanone	8.646	43	616	0.235	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26493	31.253	ug/l #	7

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

Instrument :
MSVOA_X
ClientSampleId :

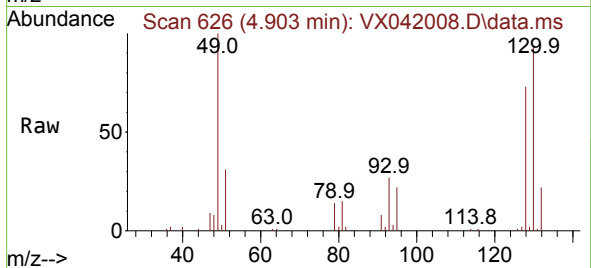
Instrument :
MSVOA_X
ClientSampleId :



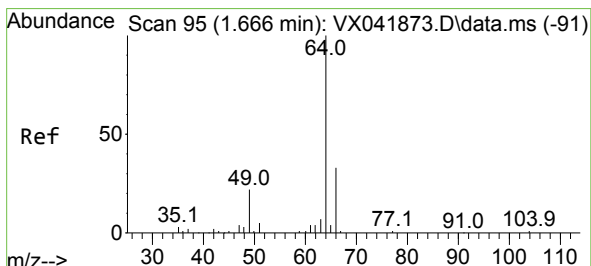
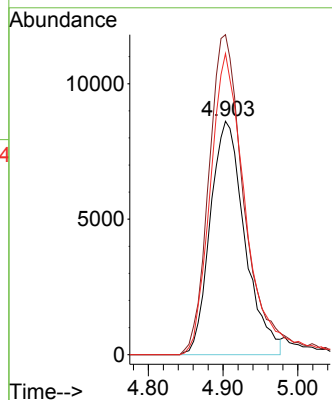
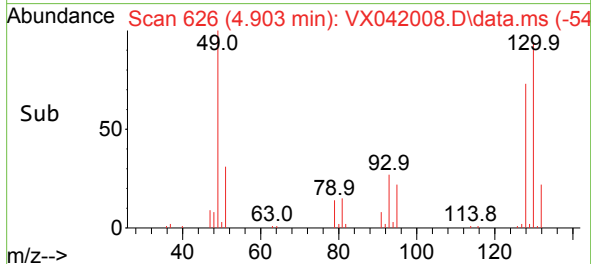


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Instrument :
MSVOA_X
ClientSampleId :

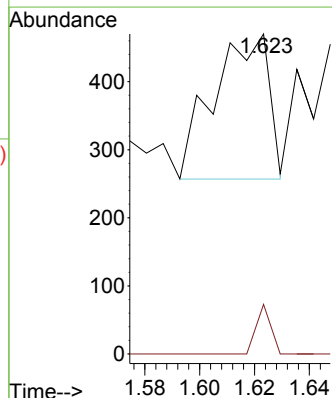
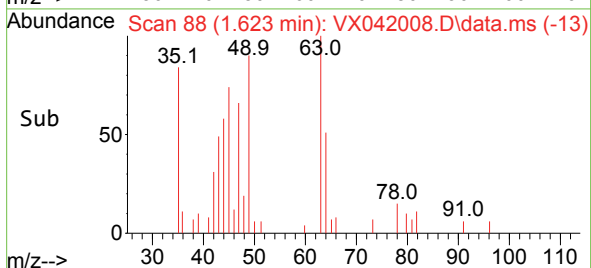
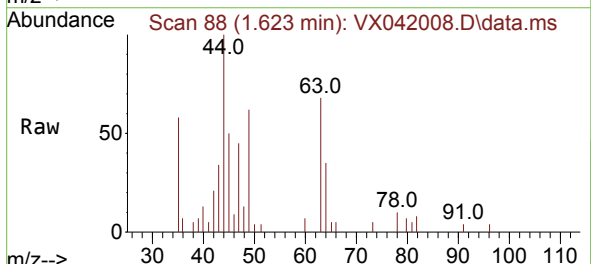


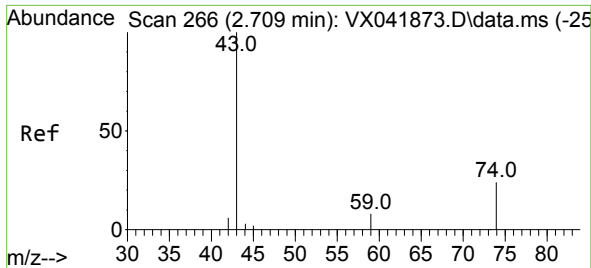
Tgt Ion:128 Resp: 27741
Ion Ratio Lower Upper
128 100
49 141.1 0.0 338.5
130 132.6 0.0 324.5



#6
Chloroethane
Concen: 0.354 ug/l
RT: 1.623 min Scan# 88
Delta R.T. -0.043 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Tgt Ion: 64 Resp: 297
Ion Ratio Lower Upper
64 100
66 34.3 26.4 39.6

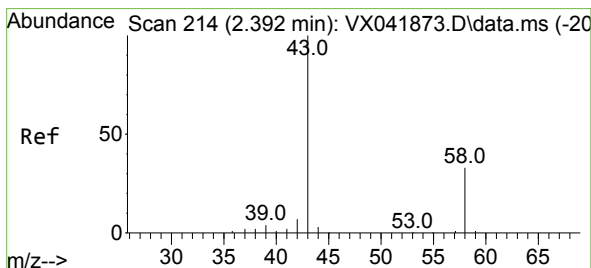
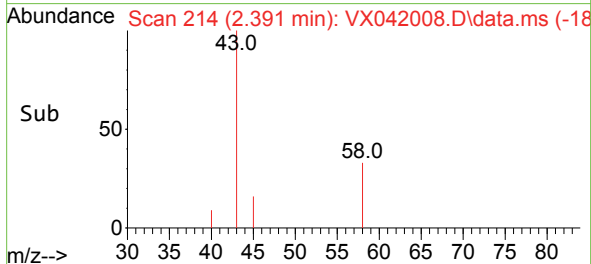
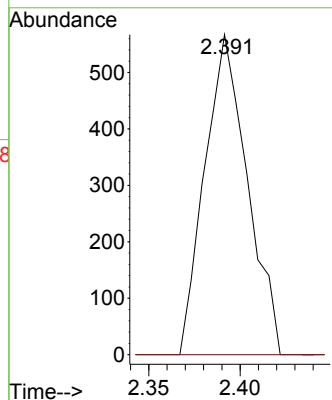
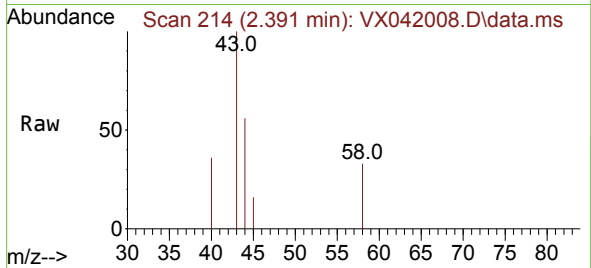




#12
Methyl Acetate
Concen: 0.426 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.317 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

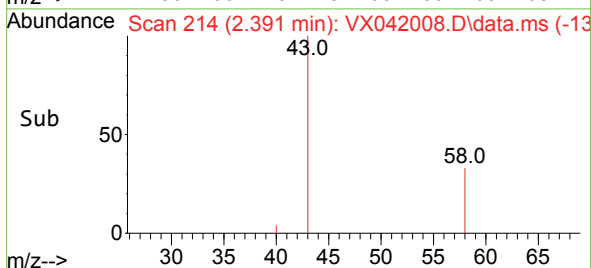
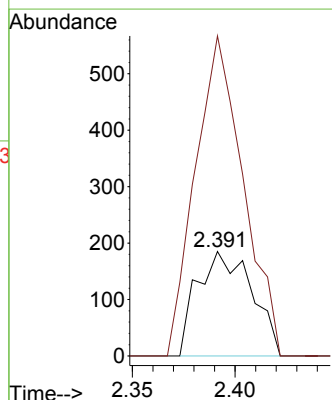
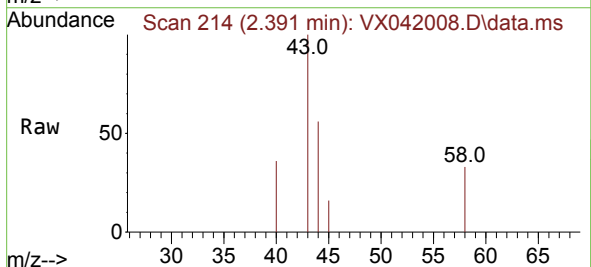
Instrument :
MSVOA_X
ClientSampleId :

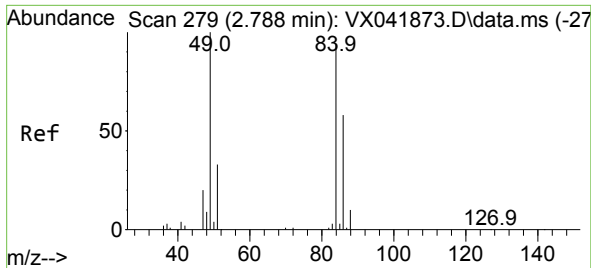
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#15
Acetone
Concen: 1.165 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

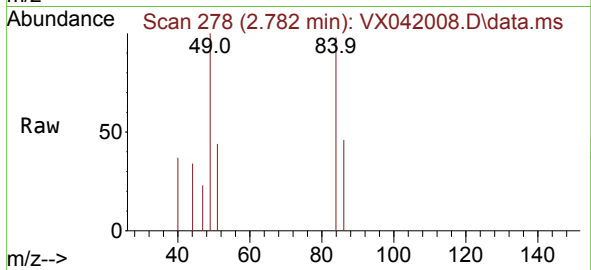
Tgt Ion: 58 Resp: 342
Ion Ratio Lower Upper
58 100
43 306.5 243.4 365.2



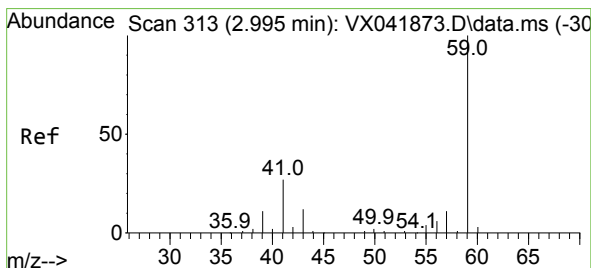
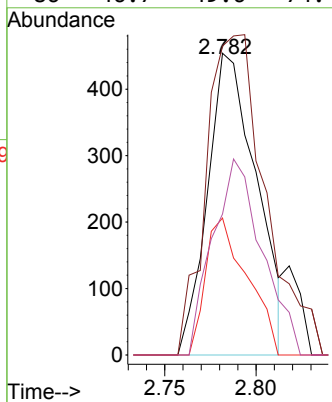
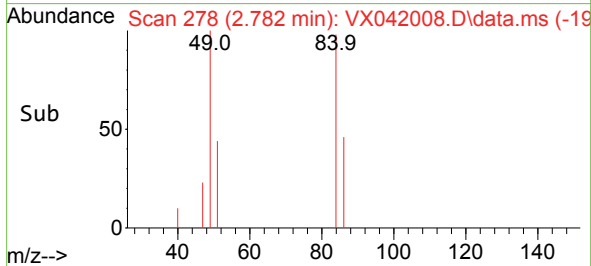


#18
Methylene Chloride
Concen: 0.436 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Instrument :
MSVOA_X
ClientSampleId :

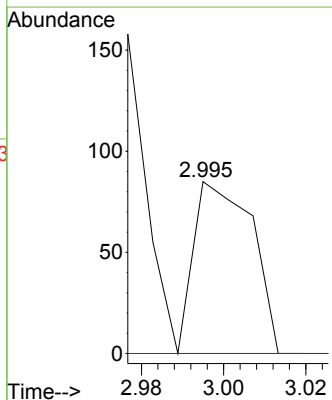
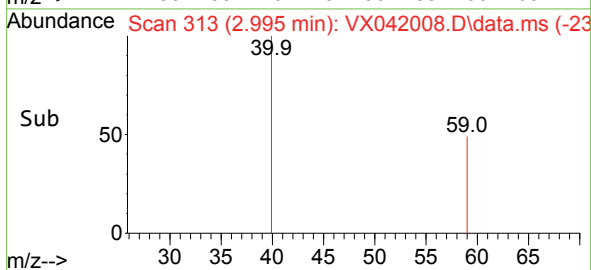
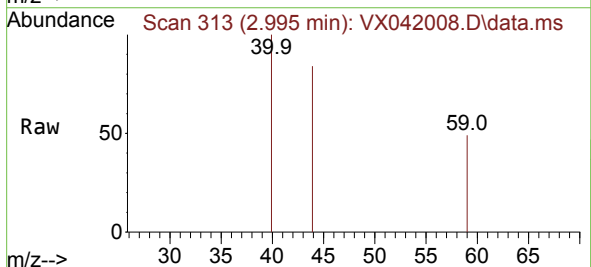


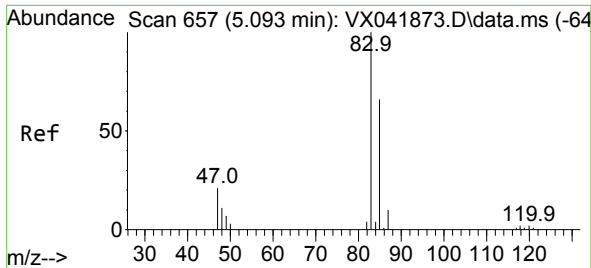
Tgt Ion:	84	Resp:	848
Ion	Ratio	Lower	Upper
84	100		
49	102.4	85.3	127.9
51	45.4	28.5	42.7#
86	46.7	49.6	74.4#



#23
tert-Butyl Alcohol
Concen: 0.220 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Tgt Ion:	59	Resp:	84
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

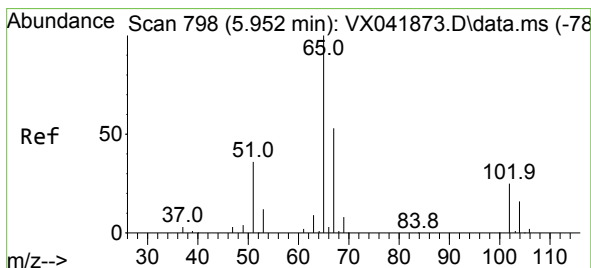
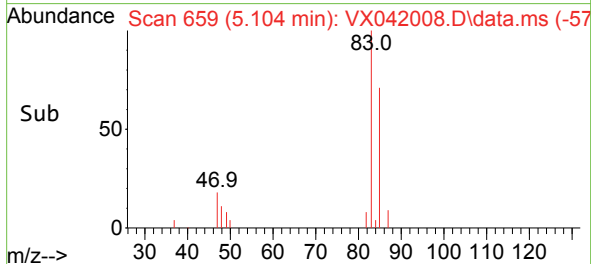
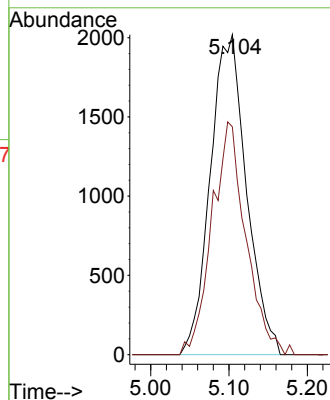
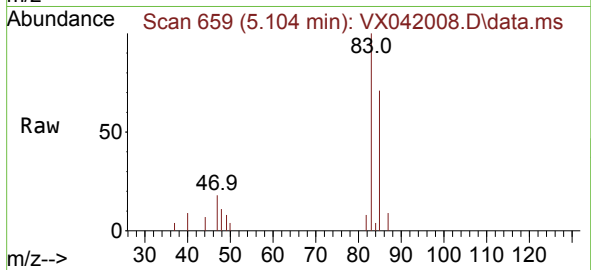




#25
Chloroform
Concen: 2.112 ug/l
RT: 5.104 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

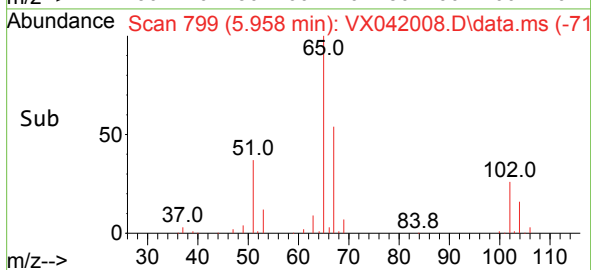
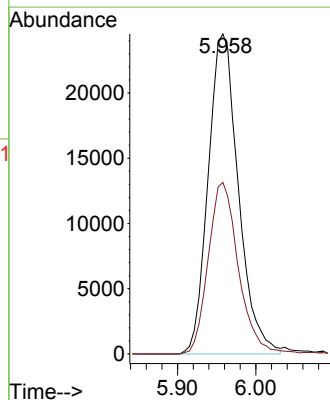
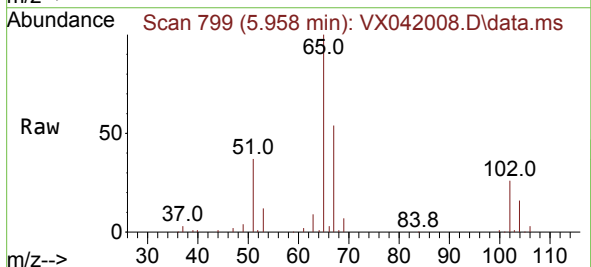
Instrument :
MSVOA_X
ClientSampleId :

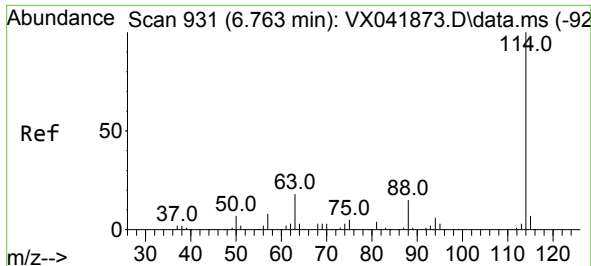
Tgt Ion: 83 Resp: 6490
Ion Ratio Lower Upper
83 100
85 71.2 52.7 79.1



#27
1,2-Dichloroethane-d4
Concen: 34.411 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Tgt Ion: 65 Resp: 65714
Ion Ratio Lower Upper
65 100
67 53.6 43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX042008.D

Acq: 24 Jun 2024 16:40

Instrument :

MSVOA_X

ClientSampleId :

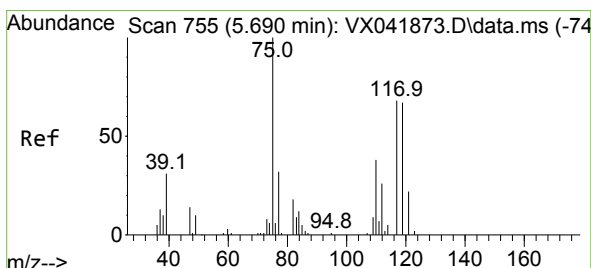
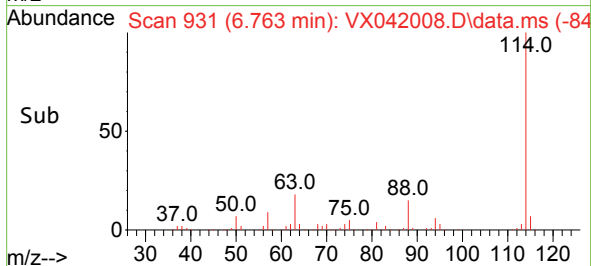
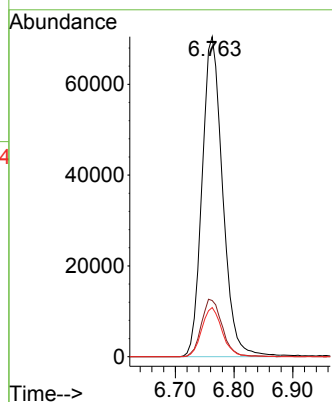
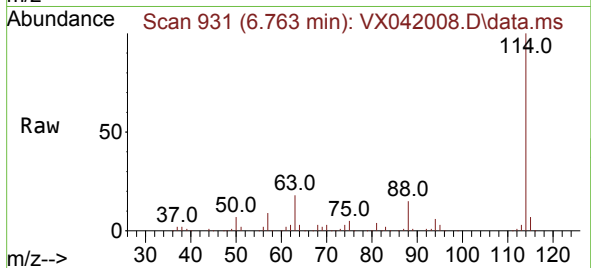
Tgt Ion:114 Resp: 171590

Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 15.1 11.8 17.8



#29

1,1-Dichloropropene

Concen: 0.417 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX042008.D

Acq: 24 Jun 2024 16:40

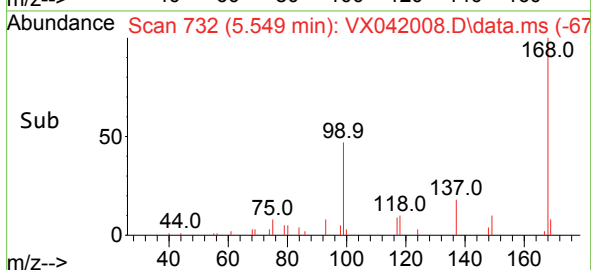
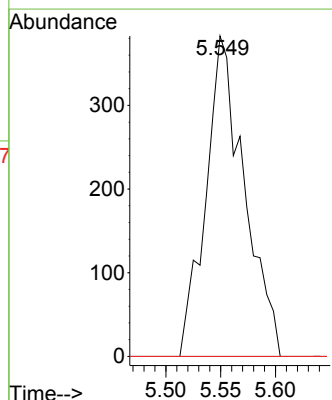
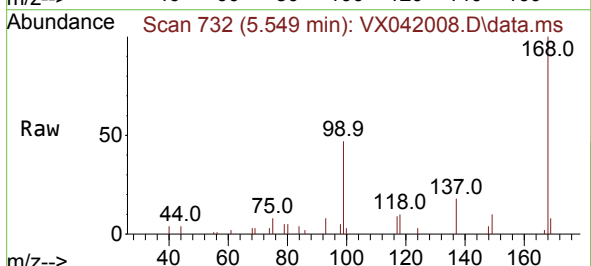
Tgt Ion: 75 Resp: 935

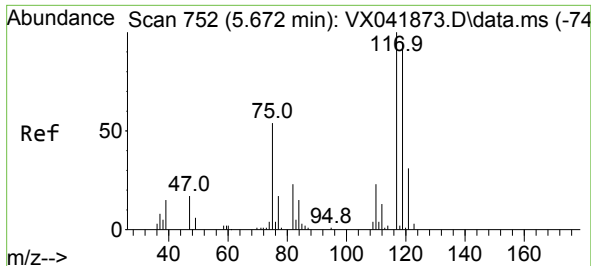
Ion Ratio Lower Upper

75 100

110 0.0 0.0 80.2

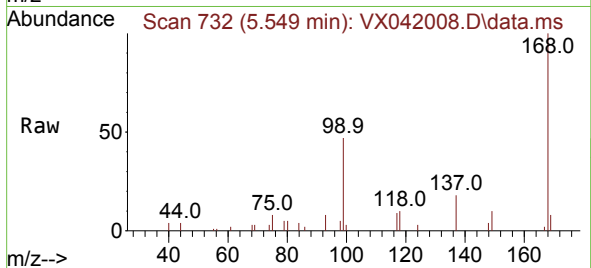
77 0.0 0.0 65.2



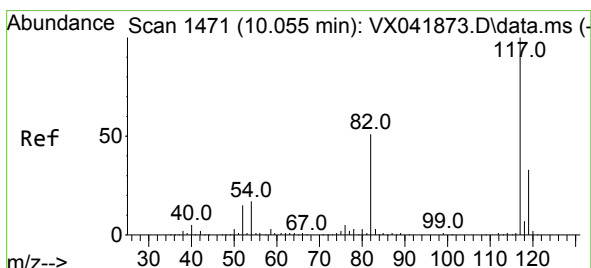
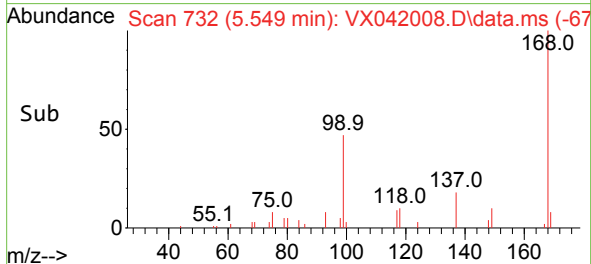
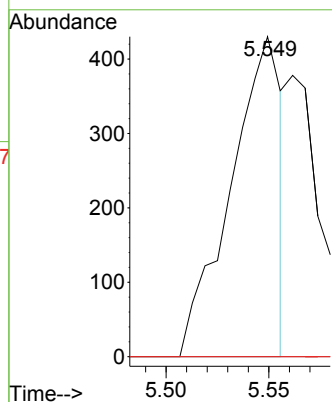


#33
Carbon Tetrachloride
Concen: 0.301 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Instrument :
MSVOA_X
ClientSampleId :

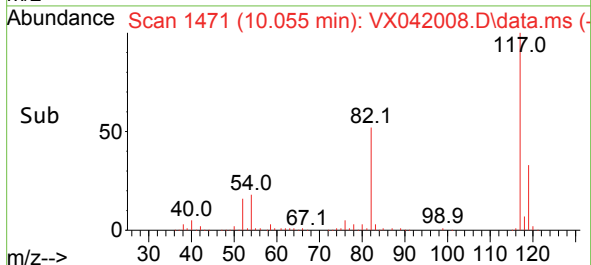
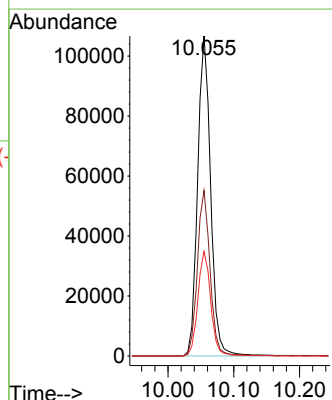
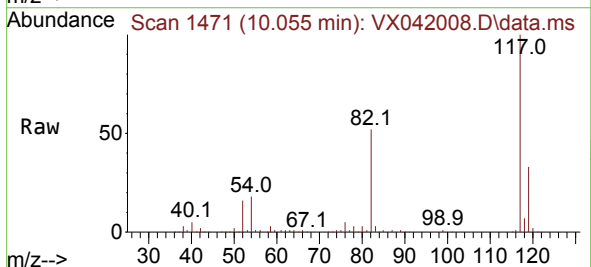


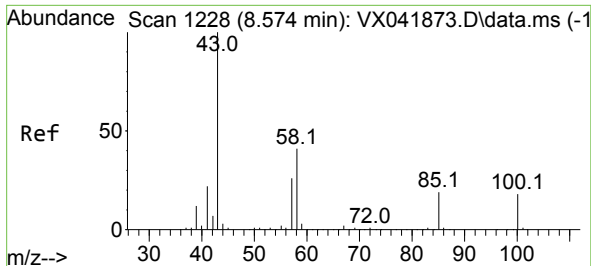
Tgt Ion:117 Resp: 737
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 24.9 37.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Tgt Ion:117 Resp: 146540
Ion Ratio Lower Upper
117 100
82 50.5 41.1 61.7
119 32.3 26.1 39.1

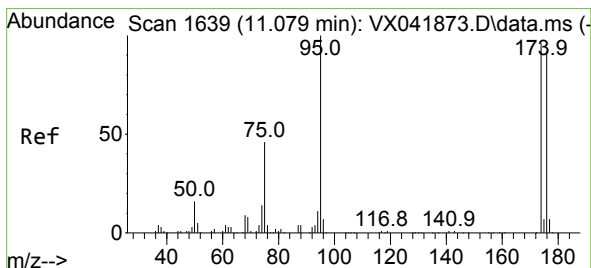
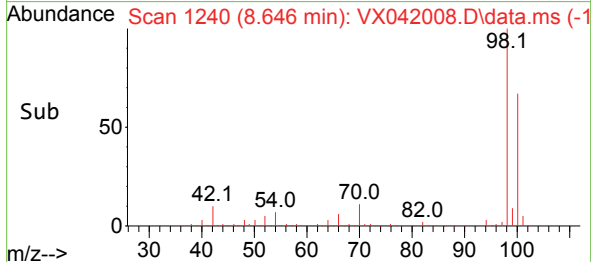
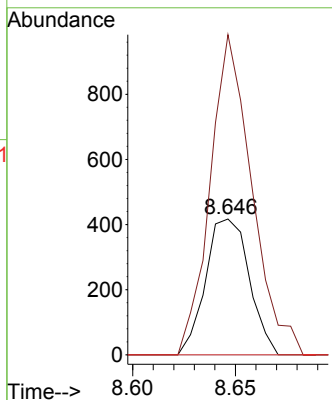
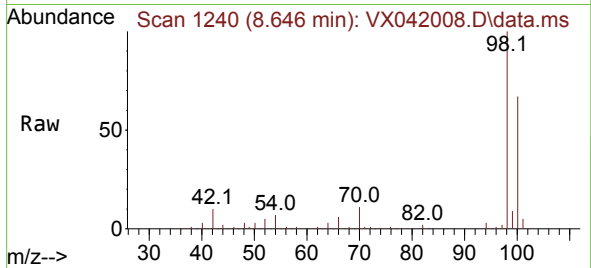




#58
 4-Methyl-2-Pentanone
 Concen: 0.235 ug/l
 RT: 8.646 min Scan# 1240
 Delta R.T. 0.073 min
 Lab File: VX042008.D
 Acq: 24 Jun 2024 16:40

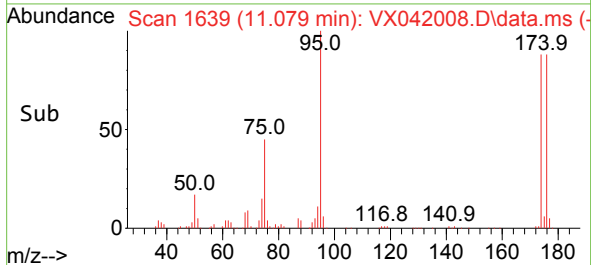
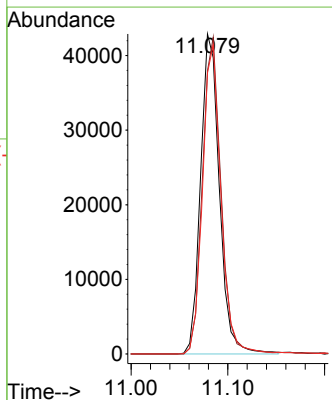
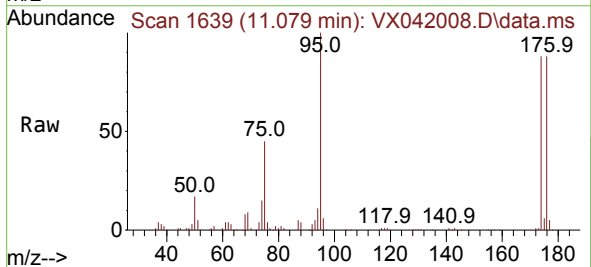
Instrument :
 MSVOA_X
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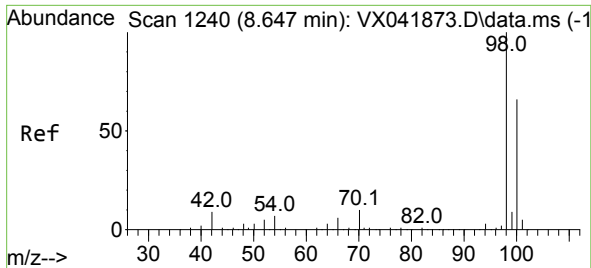
Tgt Ion: 43 Resp: 616
 Ion Ratio Lower Upper
 43 100
 58 225.5 33.2 49.8#
 85 0.0 15.5 23.3#



#60
 4-Bromofluorobenzene
 Concen: 25.599 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX042008.D
 Acq: 24 Jun 2024 16:40

Tgt Ion: 95 Resp: 58068
 Ion Ratio Lower Upper
 95 100
 174 97.5 78.9 118.3
 176 94.6 77.1 115.7

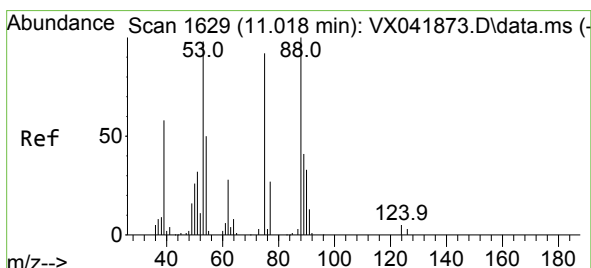
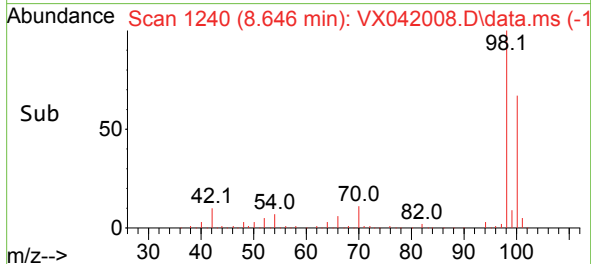
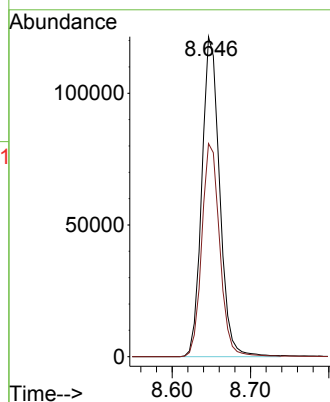
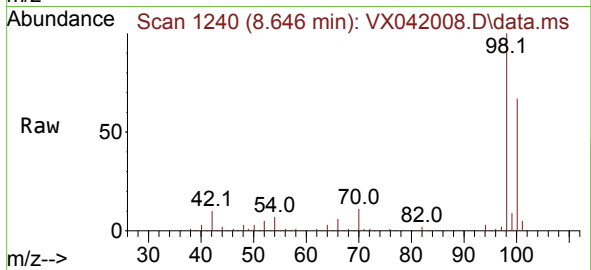




#63
Toluene-d8
Concen: 30.589 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 191775
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 31.253 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042008.D
Acq: 24 Jun 2024 16:40

Tgt Ion: 75 Resp: 26493
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

