

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042244.D
 Acq On : 09 Jul 2024 12:56
 Operator : JC/MD
 Sample : P3161-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 10 04:57:07 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)

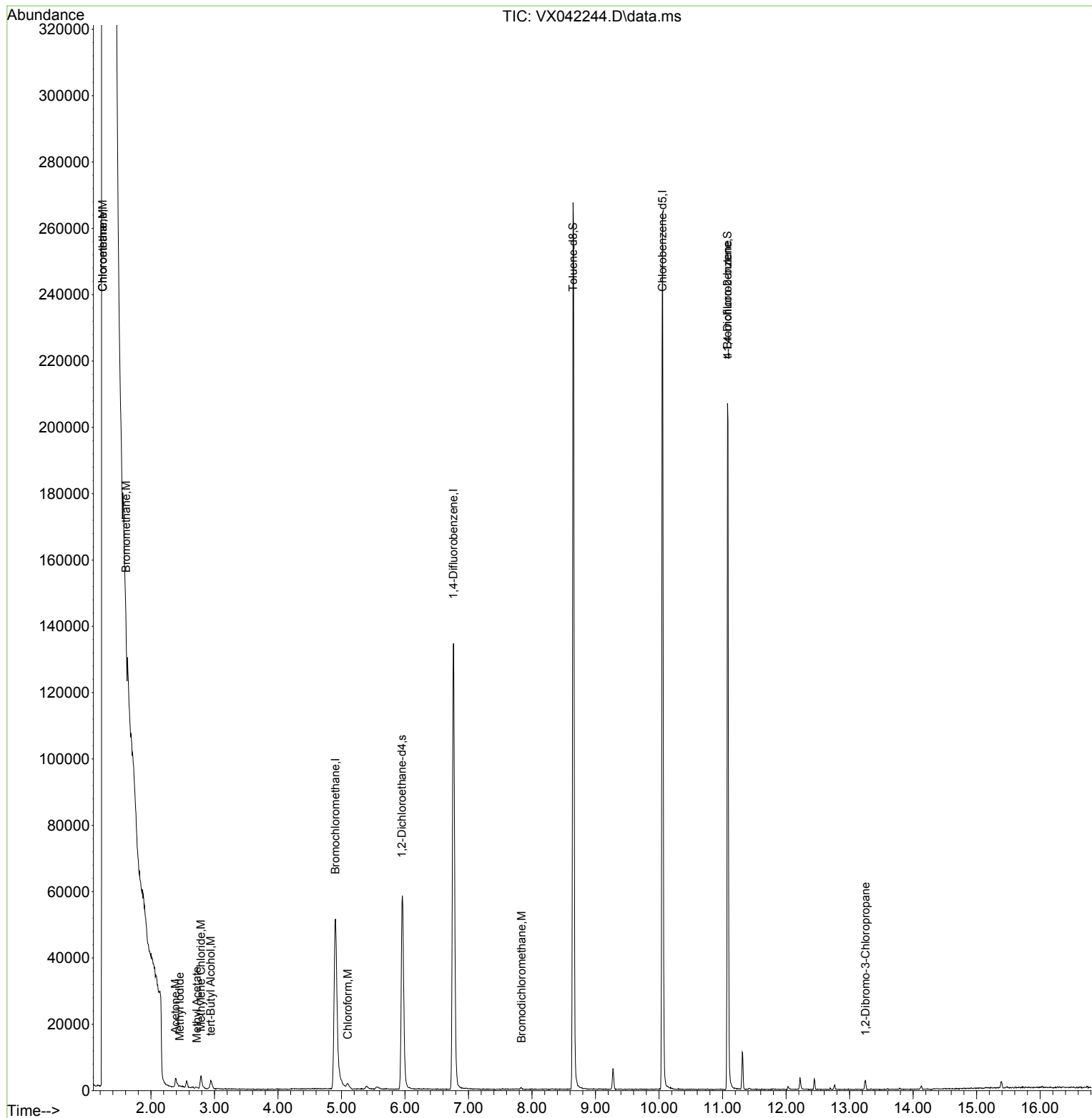
Internal Standards						
1) Bromochloromethane	4.904	128	27372	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	150626	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	136343	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	57090	30.298	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.000%
60) 4-Bromofluorobenzene	11.079	95	56721	26.876	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.600%
63) Toluene-d8	8.647	98	170594	29.245	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.500%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	314024	158.545	ug/l #	42
5) Bromomethane	1.605	94	2285	2.207	ug/l	90
6) Chloroethane	1.240	64	9813848	11858.987	ug/l #	56
11) Methyl Iodide	2.453	142	757	0.348	ug/l #	89
12) Methyl Acetate	2.721	43	565	0.265	ug/l #	51
15) Acetone	2.386	58	1143	3.947	ug/l	83
18) Methylene Chloride	2.788	84	2019	1.052	ug/l #	90
23) tert-Butyl Alcohol	2.940	59	1595	4.238	ug/l #	100
25) Chloroform	5.099	83	1884	0.621	ug/l	95
41) Bromodichloromethane	7.836	83	457	0.221	ug/l #	71
77) t-1,4-Dichloro-2-butene	11.079	75	25777	32.683	ug/l #	7
88) 1,2-Dibromo-3-Chloropr...	13.250	75	113	0.208	ug/l #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
Data File : VX042244.D
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Sample : P3161-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

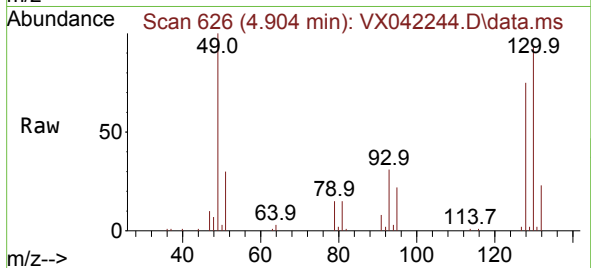
Quant Time: Jul 10 04:57:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



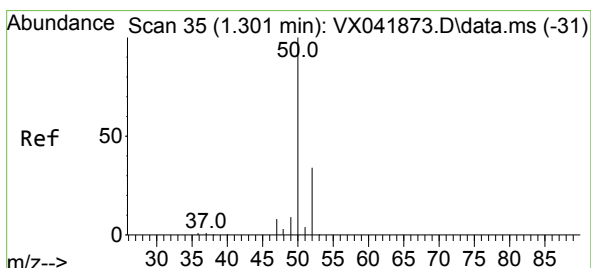
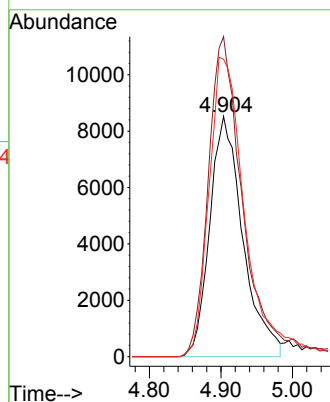
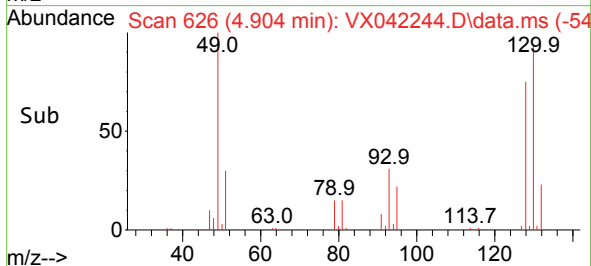


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :

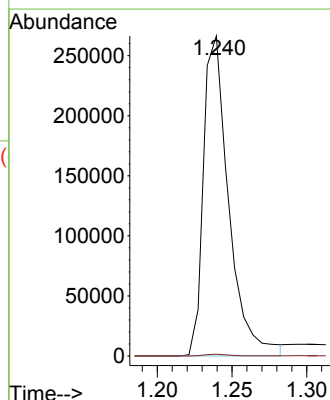
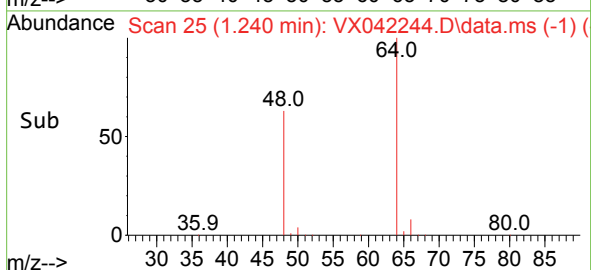
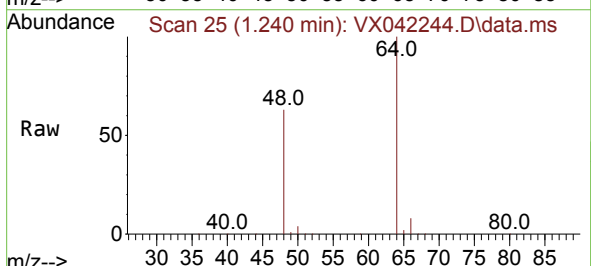


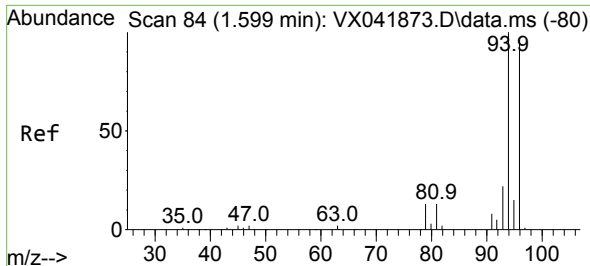
Tgt Ion:128 Resp: 27372
Ion Ratio Lower Upper
128 100
49 136.2 0.0 338.5
130 136.3 0.0 324.5



#3
Chloromethane
Concen: 158.545 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.061 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

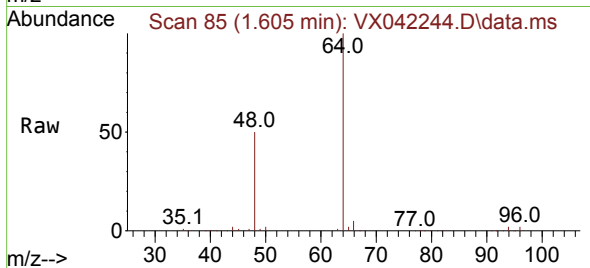
Tgt Ion: 50 Resp: 314024
Ion Ratio Lower Upper
50 100
52 0.6 26.9 40.3#



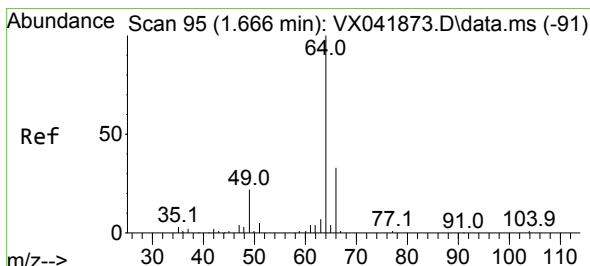
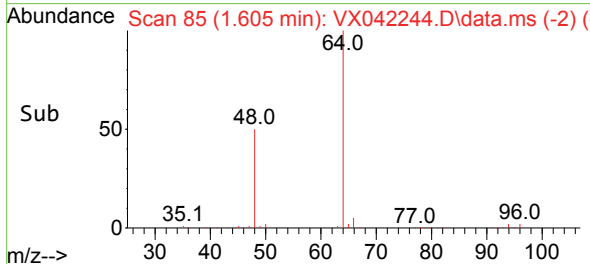
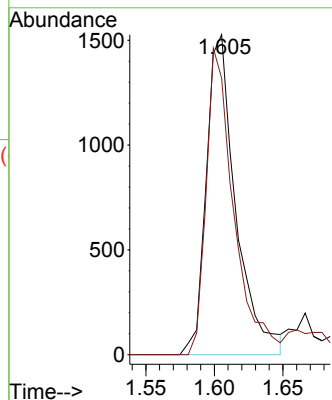


#5
Bromomethane
Concen: 2.207 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :

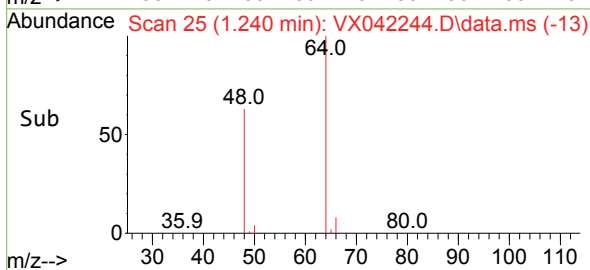
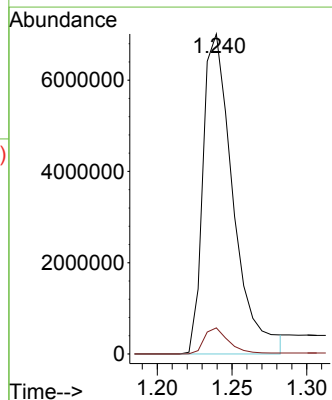
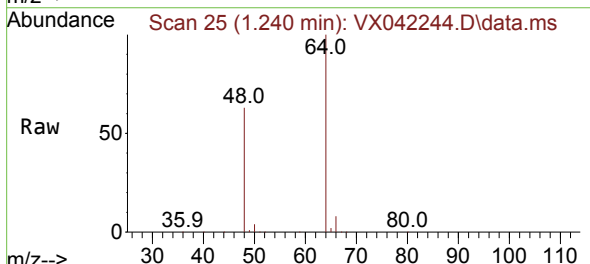


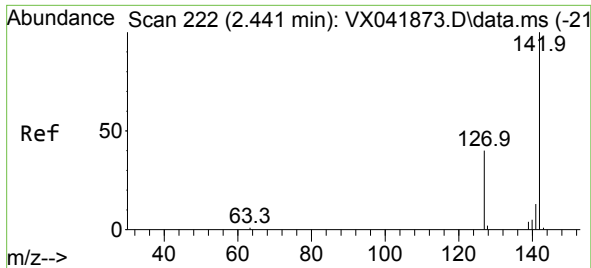
Tgt Ion: 94 Resp: 2285
Ion Ratio Lower Upper
94 100
96 86.4 76.6 115.0



#6
Chloroethane
Concen: 11858.987 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.427 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

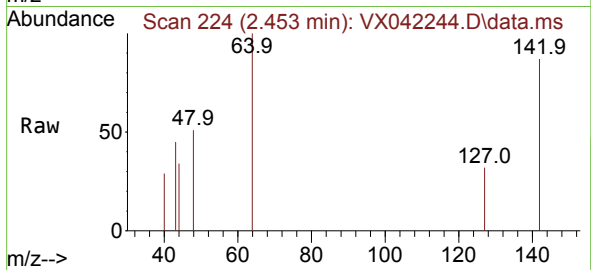
Tgt Ion: 64 Resp: 9813848
Ion Ratio Lower Upper
64 100
66 8.1 26.4 39.6#



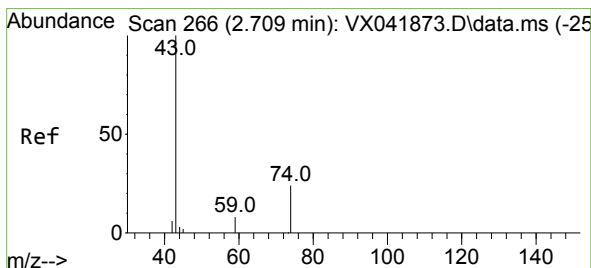
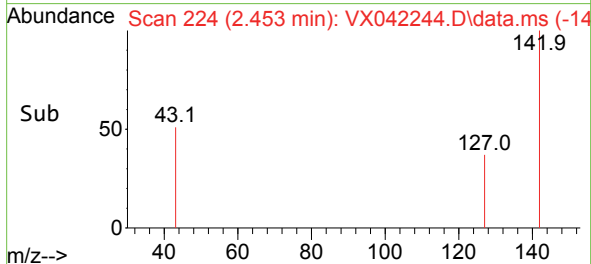
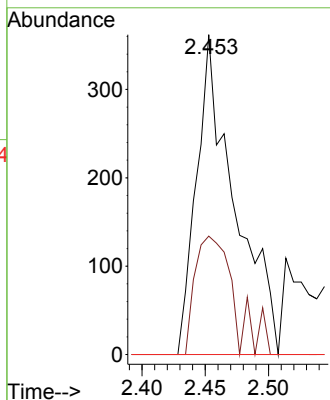


#11
Methyl Iodide
Concen: 0.348 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :

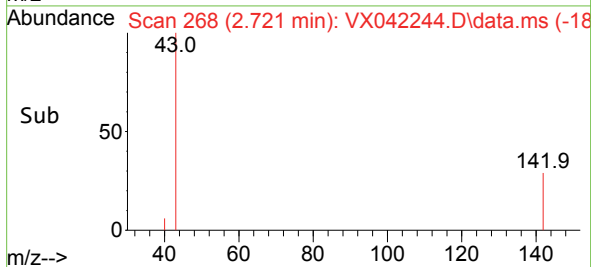
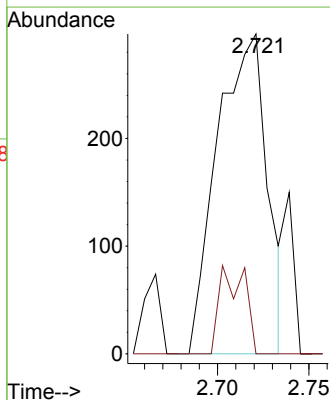
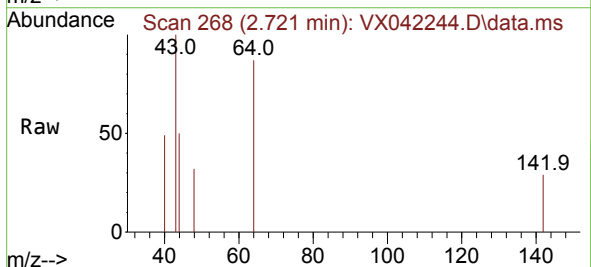


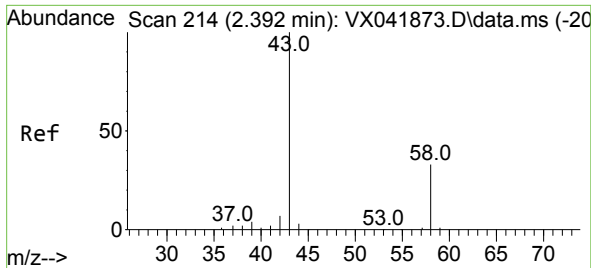
Tgt Ion:142 Resp: 757
Ion Ratio Lower Upper
142 100
127 37.0 19.8 59.3
141 0.0 6.7 20.1#



#12
Methyl Acetate
Concen: 0.265 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#15

Acetone

Concen: 3.947 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042244.D

Acq: 09 Jul 2024 12:56

Instrument :

MSVOA_X

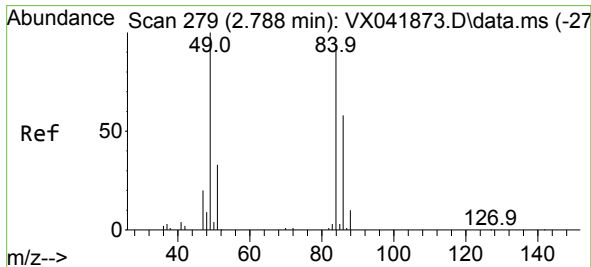
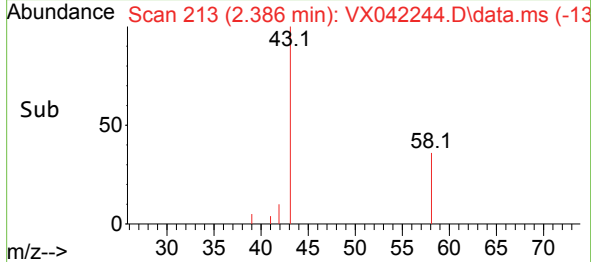
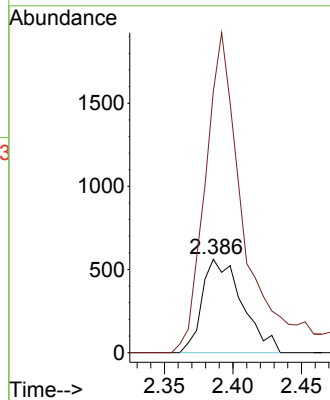
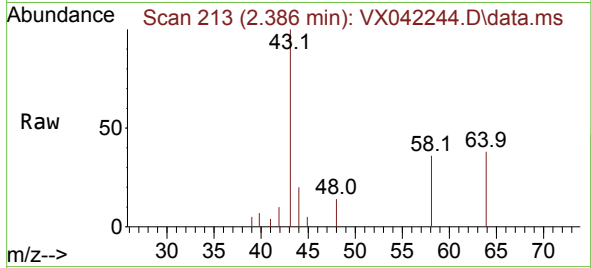
ClientSampleId :

Tgt Ion: 58 Resp: 1143

Ion Ratio Lower Upper

58 100

43 270.1 243.4 365.2



#18

Methylene Chloride

Concen: 1.052 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX042244.D

Acq: 09 Jul 2024 12:56

Tgt Ion: 84 Resp: 2019

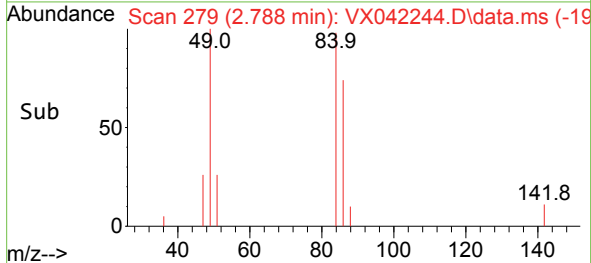
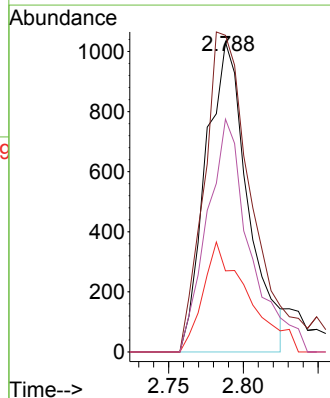
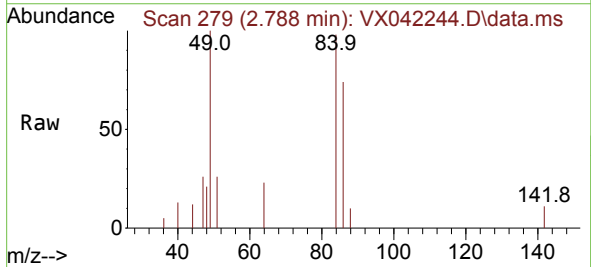
Ion Ratio Lower Upper

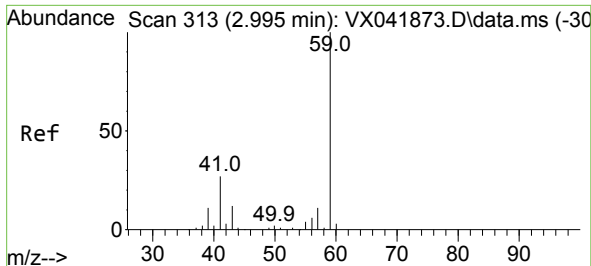
84 100

49 102.2 85.3 127.9

51 26.2 28.5 42.7#

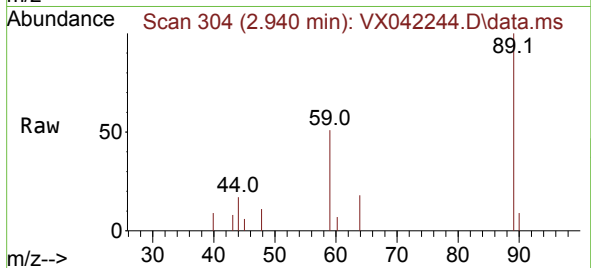
86 75.2 49.6 74.4#



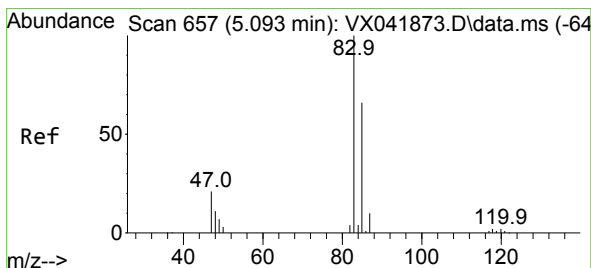
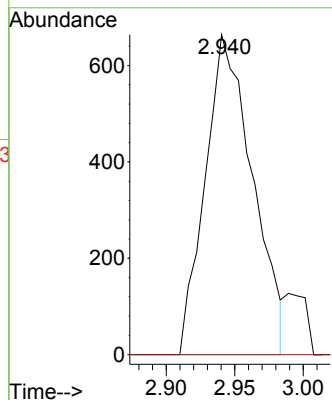
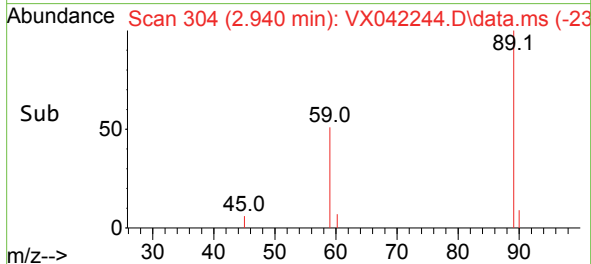


#23
tert-Butyl Alcohol
Concen: 4.238 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :

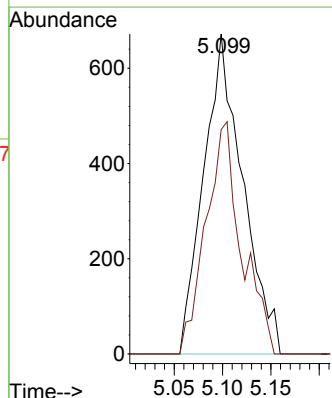
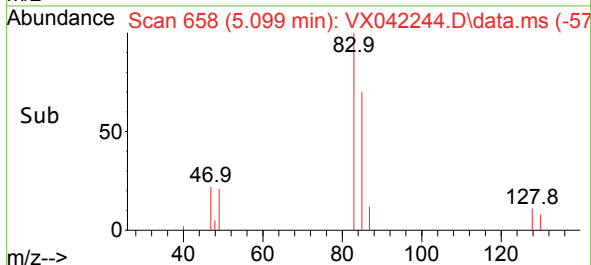
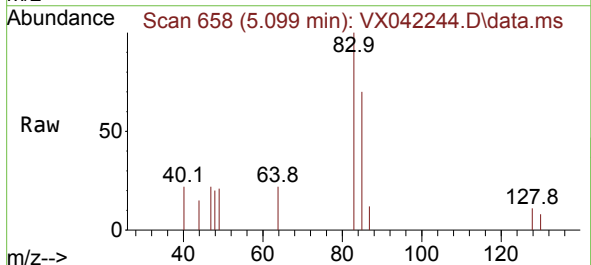


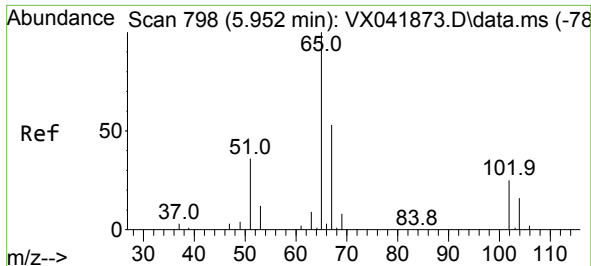
Tgt Ion: 59 Resp: 1595
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.621 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

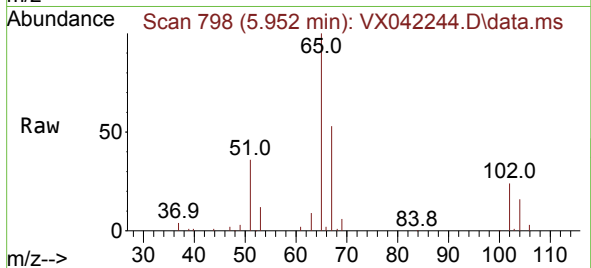
Tgt Ion: 83 Resp: 1884
Ion Ratio Lower Upper
83 100
85 70.1 52.7 79.1



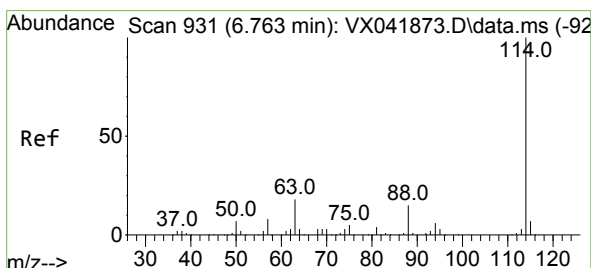
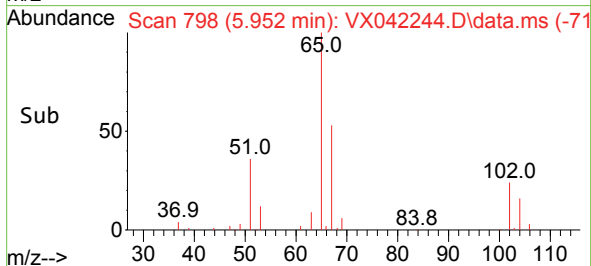
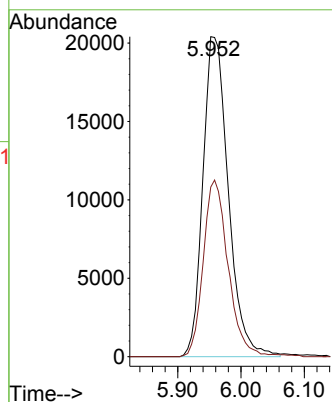


#27
1,2-Dichloroethane-d4
Concen: 30.298 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :

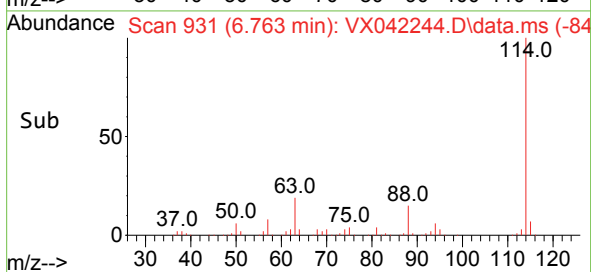
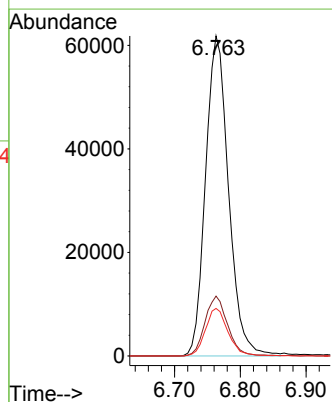
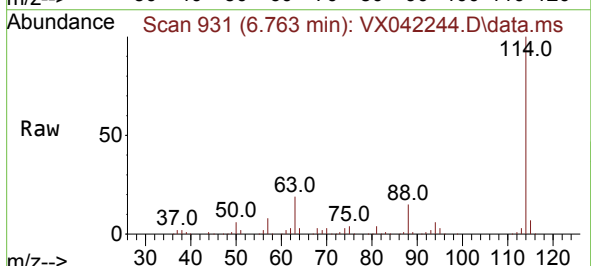


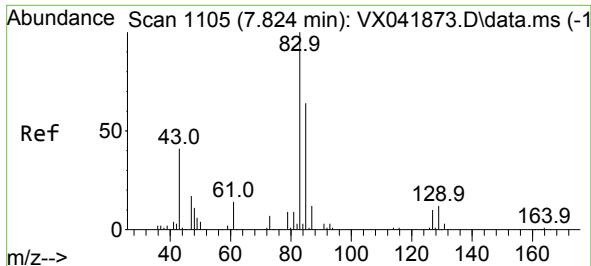
Tgt Ion: 65 Resp: 57090
Ion Ratio Lower Upper
65 100
67 53.7 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Tgt Ion: 114 Resp: 150626
Ion Ratio Lower Upper
114 100
63 18.2 14.6 21.8
88 14.6 11.8 17.8

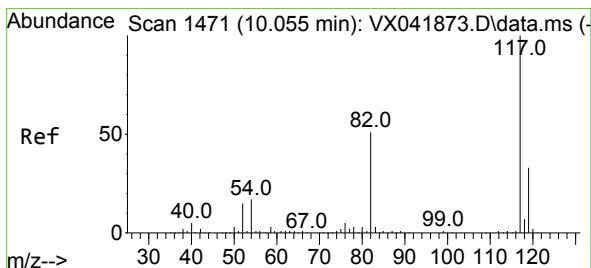
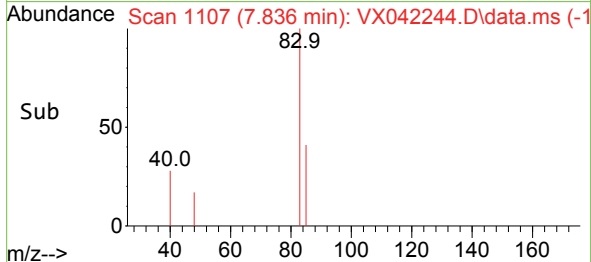
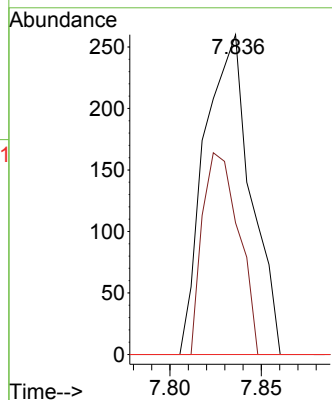
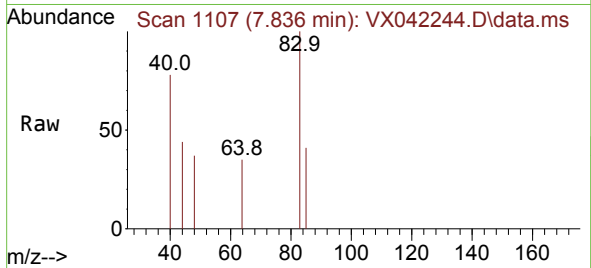




#41
Bromodichloromethane
Concen: 0.221 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

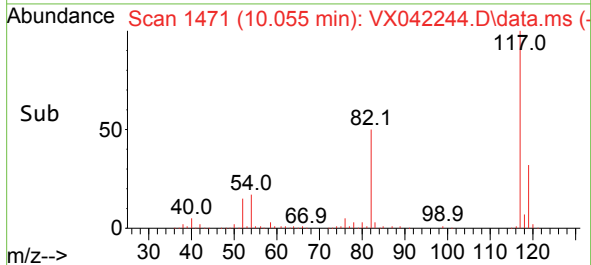
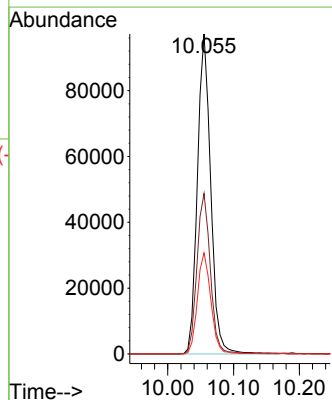
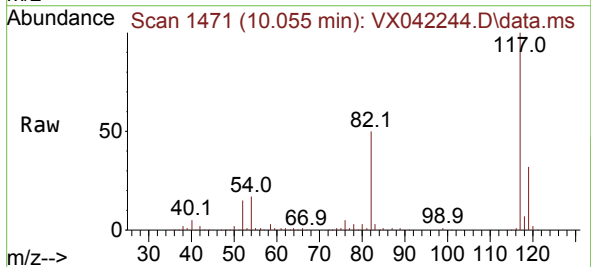
Instrument :
MSVOA_X
ClientSampleId :

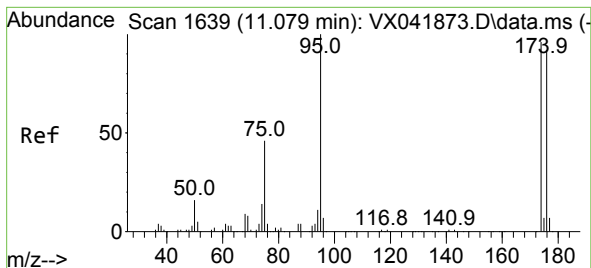
Tgt Ion: 83 Resp: 457
Ion Ratio Lower Upper
83 100
85 41.2 51.1 76.7#
127 0.0 8.1 12.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

Tgt Ion: 117 Resp: 136343
Ion Ratio Lower Upper
117 100
82 50.5 41.1 61.7
119 31.9 26.1 39.1

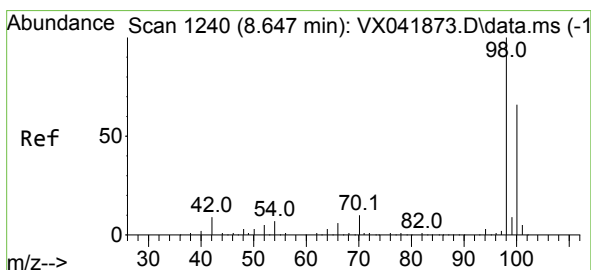
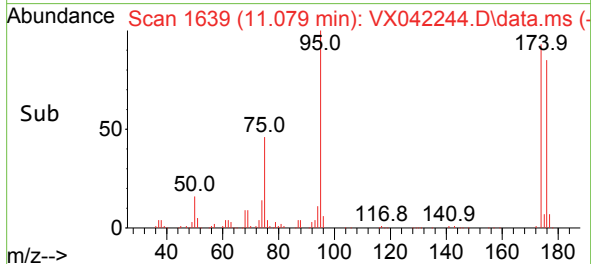
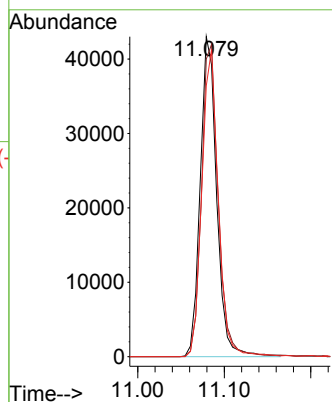
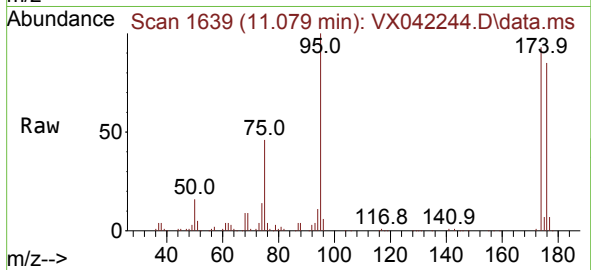




#60
4-Bromofluorobenzene
Concen: 26.876 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

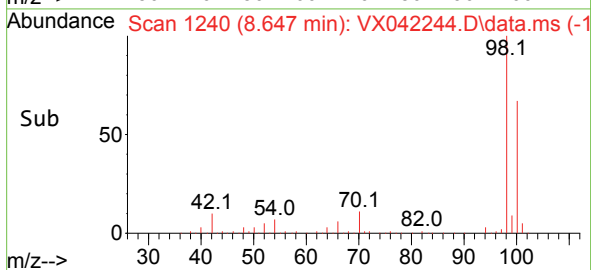
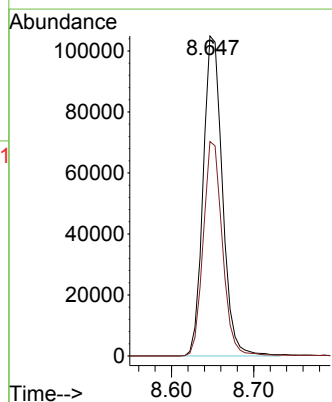
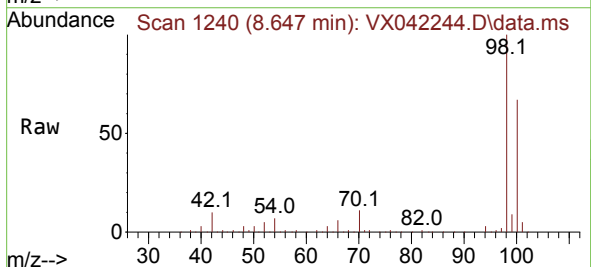
Instrument :
MSVOA_X
ClientSampleId :

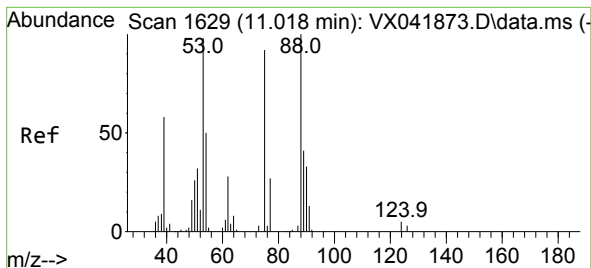
Tgt Ion: 95 Resp: 56721
Ion Ratio Lower Upper
95 100
174 98.8 78.9 118.3
176 96.1 77.1 115.7



#63
Toluene-d8
Concen: 29.245 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

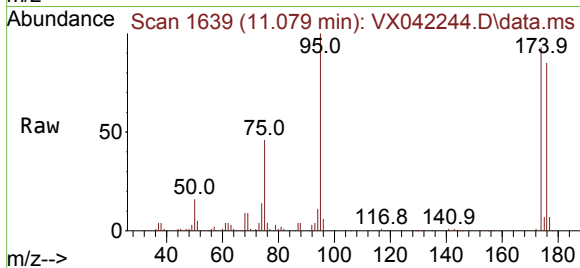
Tgt Ion: 98 Resp: 170594
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1



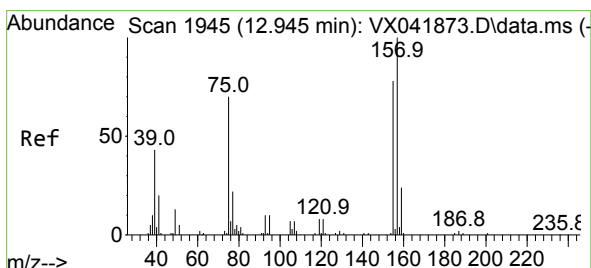
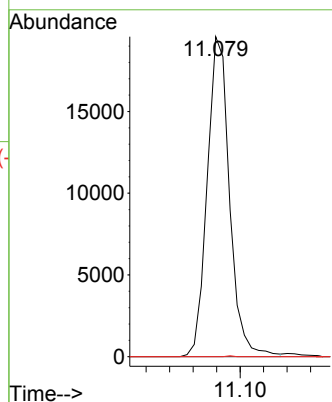
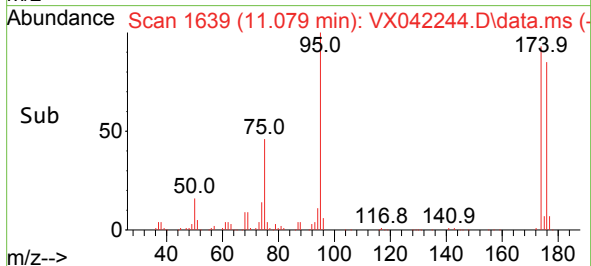


#77
t-1,4-Dichloro-2-butene
Concen: 32.683 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56

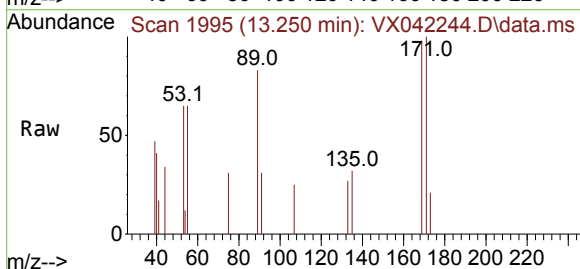
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 25777
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.208 ug/l
RT: 13.250 min Scan# 1995
Delta R.T. 0.305 min
Lab File: VX042244.D
Acq: 09 Jul 2024 12:56



Tgt Ion: 75 Resp: 113
Ion Ratio Lower Upper
75 100
155 0.0 88.6 133.0#
157 0.0 112.8 169.2#

