

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041887.D
 Acq On : 14 Jun 2024 18:58
 Operator : JC/MD
 Sample : P2896-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 04:15:22 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)

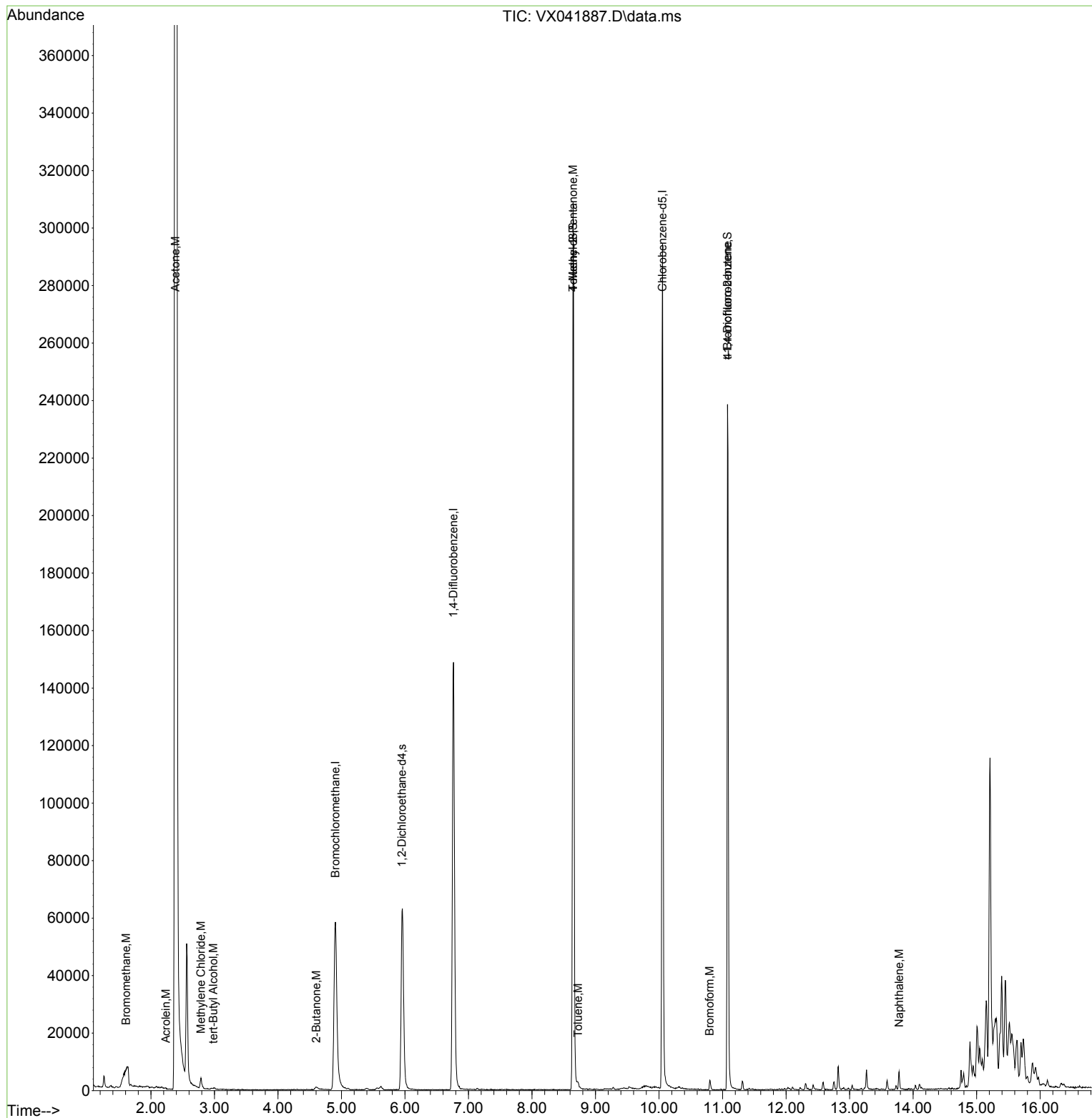
Internal Standards						
1) Bromochloromethane	4.904	128	30179	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	164835	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	149189	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	60586	29.163	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.200%		
60) 4-Bromofluorobenzene	11.079	95	63823	27.637	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.133%		
63) Toluene-d8	8.647	98	191586	30.016	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.067%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	280	0.245	ug/l #	74
13) Acrolein	2.233	56	97	0.205	ug/l #	15
15) Acetone	2.386	58	944744	2959.053	ug/l	91
18) Methylene Chloride	2.788	84	1799	0.850	ug/l	97
23) tert-Butyl Alcohol	2.983	59	357	0.860	ug/l #	100
30) 2-Butanone	4.605	43	1328	0.924	ug/l #	90
56) Bromoform	10.799	173	1511	0.922	ug/l #	96
58) 4-Methyl-2-Pentanone	8.647	43	711	0.266	ug/l #	1
62) Toluene	8.726	91	1529	0.203	ug/l	95
77) t-1,4-Dichloro-2-butene	11.079	75	28772	33.339	ug/l #	7
91) Naphthalene	13.780	128	4692	0.524	ug/l	96

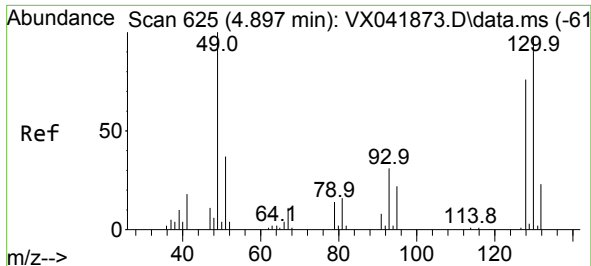
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
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MSVOA_X
ClientSampleId :

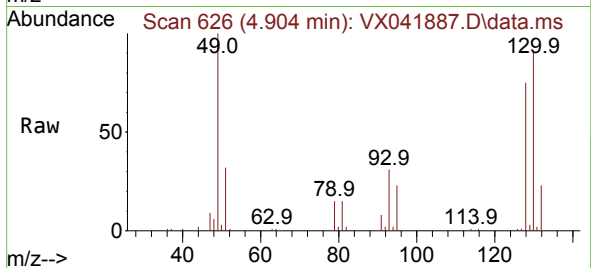
Quant Time: Jun 15 04:15:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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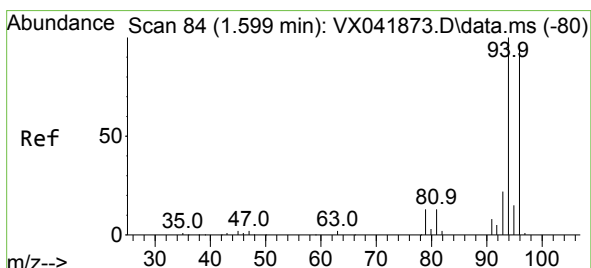
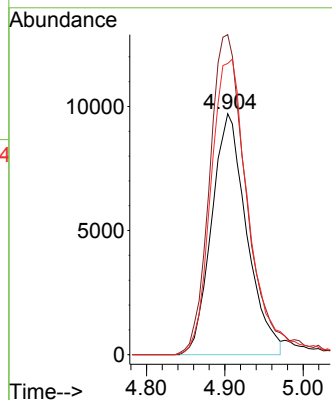
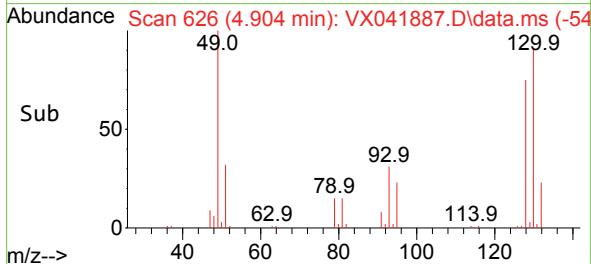


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Instrument :
MSVOA_X
ClientSampleId :

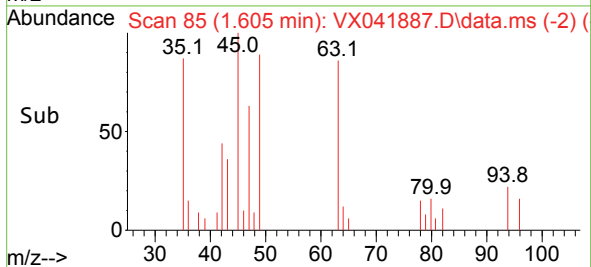
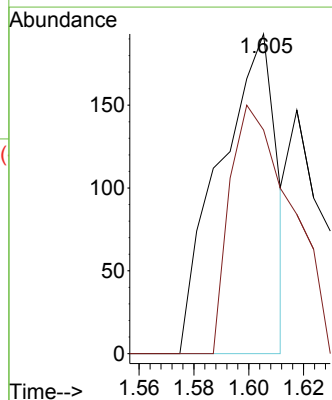
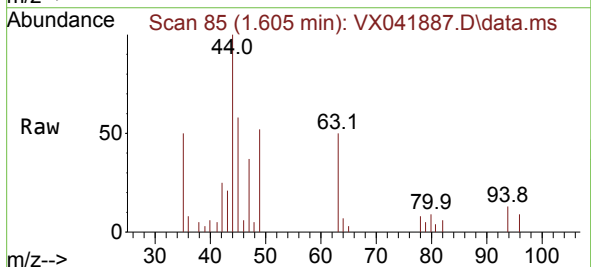


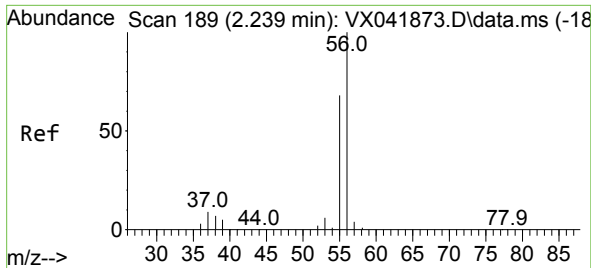
Tgt Ion:128 Resp: 30179
Ion Ratio Lower Upper
128 100
49 138.8 0.0 338.5
130 131.7 0.0 324.5



#5
Bromomethane
Concen: 0.245 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 69.9 76.6 115.0#





#13

Acrolein

Concen: 0.205 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX041887.D

Acq: 14 Jun 2024 18:58

Instrument :

MSVOA_X

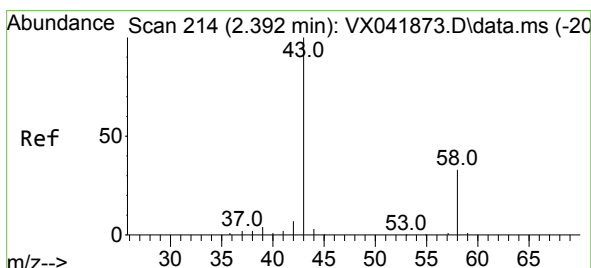
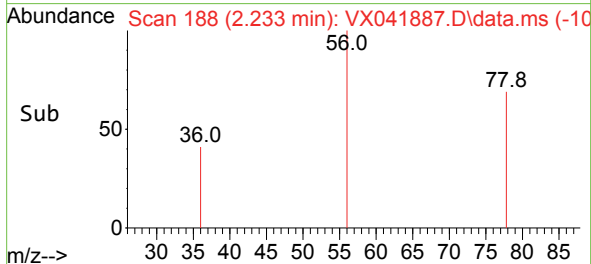
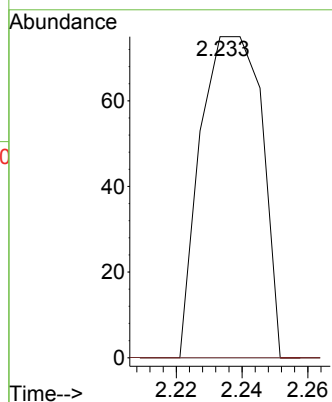
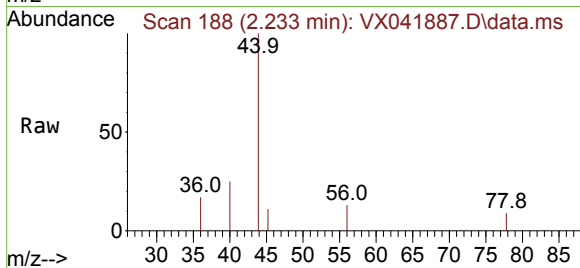
ClientSampleId :

Tgt Ion: 56 Resp: 97

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#15

Acetone

Concen: 2959.053 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041887.D

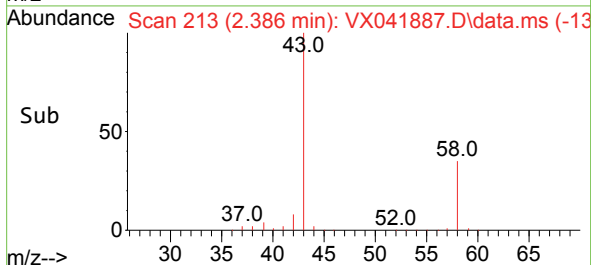
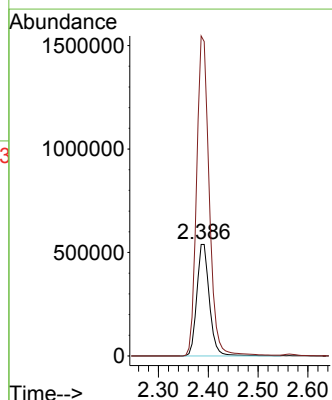
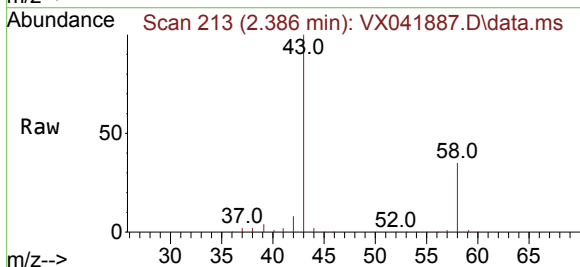
Acq: 14 Jun 2024 18:58

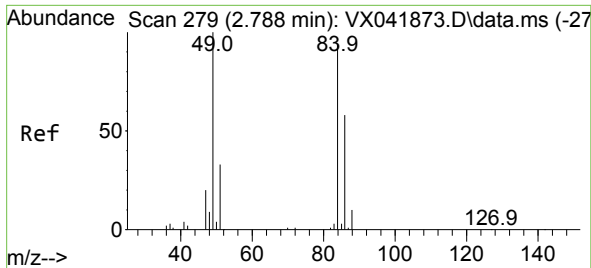
Tgt Ion: 58 Resp: 944744

Ion Ratio Lower Upper

58 100

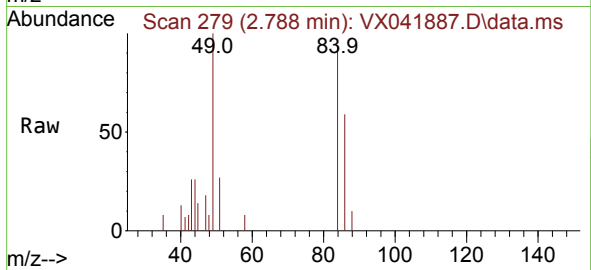
43 286.9 243.4 365.2



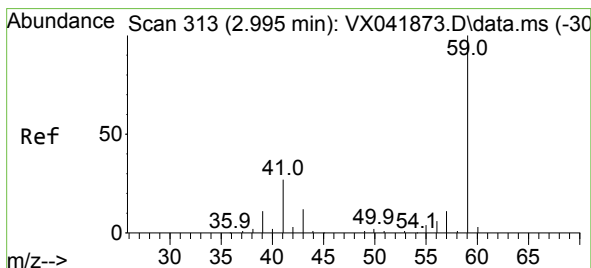
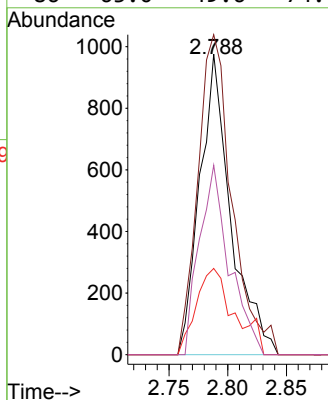
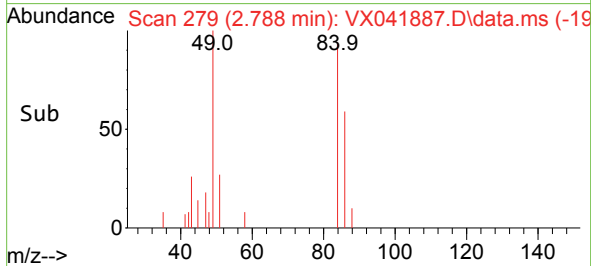


#18
Methylene Chloride
Concen: 0.850 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Instrument :
MSVOA_X
ClientSampleId :

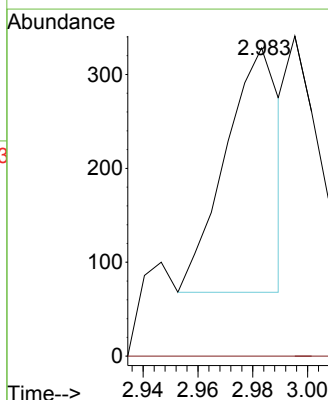
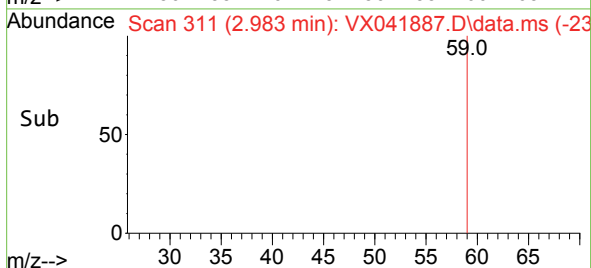
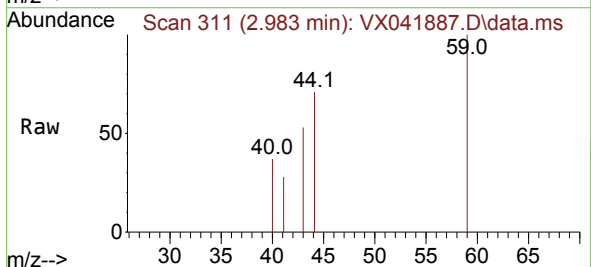


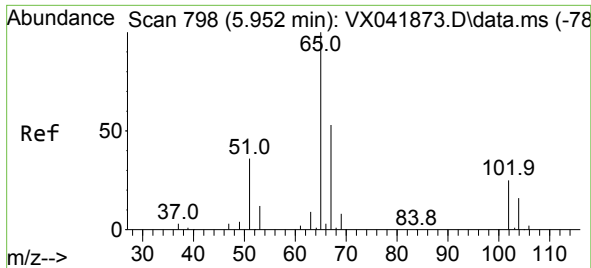
Tgt Ion:	84	Resp:	1799
Ion	Ratio	Lower	Upper
84	100		
49	106.5	85.3	127.9
51	28.7	28.5	42.7
86	63.0	49.6	74.4



#23
tert-Butyl Alcohol
Concen: 0.860 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Tgt Ion:	59	Resp:	357
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

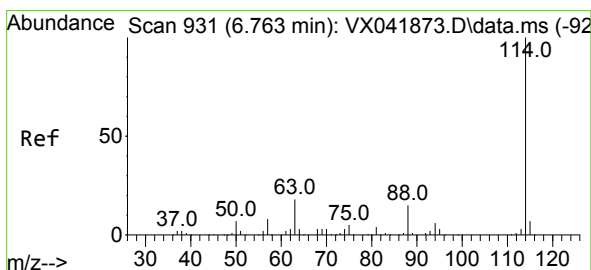
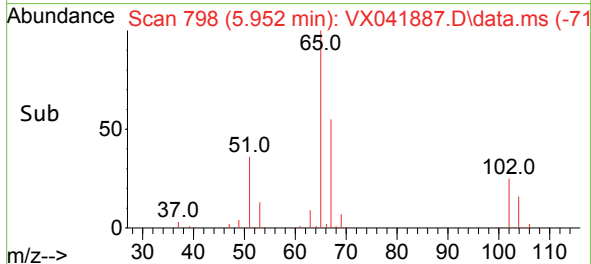
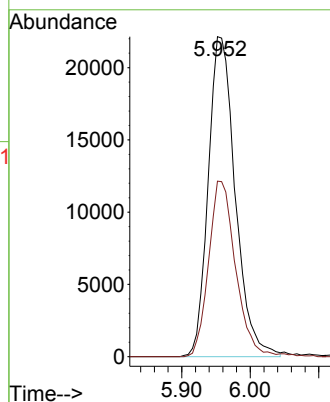
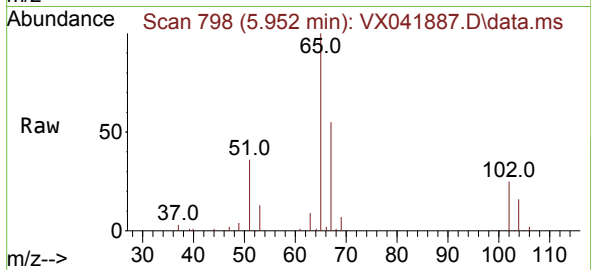




#27
1,2-Dichloroethane-d4
Concen: 29.163 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

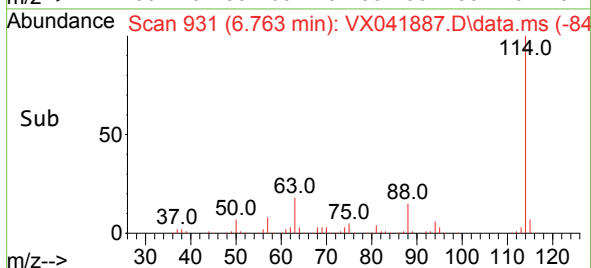
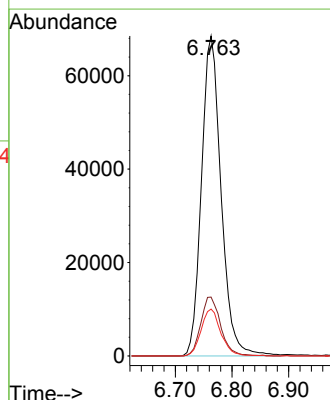
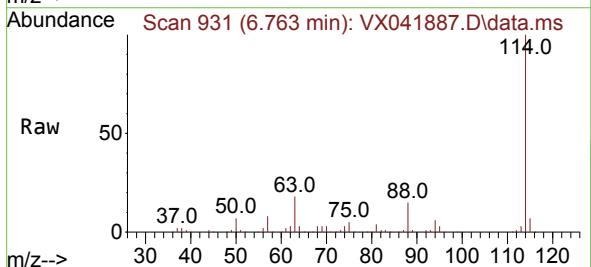
Instrument :
MSVOA_X
ClientSampleId :

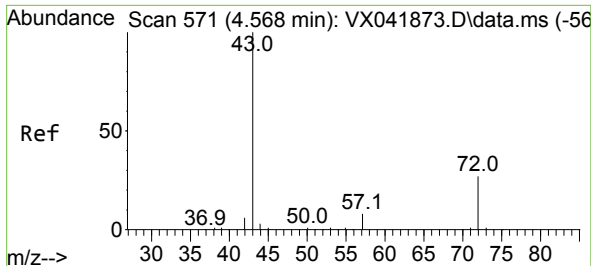
Tgt Ion: 65 Resp: 60586
Ion Ratio Lower Upper
65 100
67 54.5 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Tgt Ion: 114 Resp: 164835
Ion Ratio Lower Upper
114 100
63 18.6 14.6 21.8
88 14.6 11.8 17.8

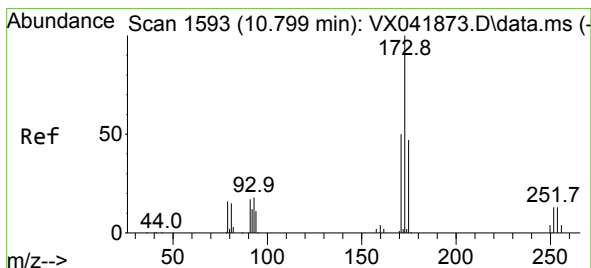
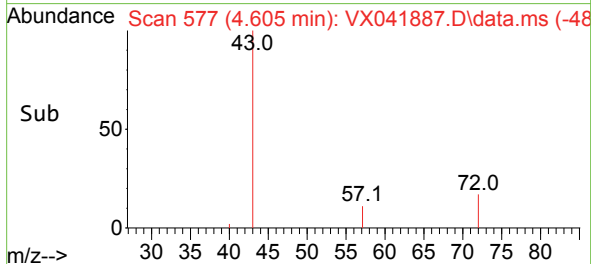
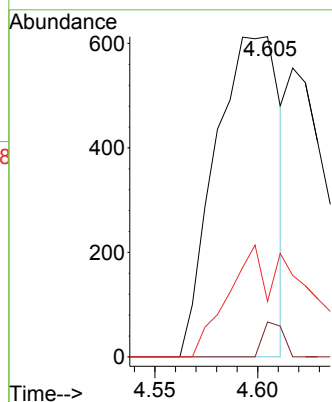
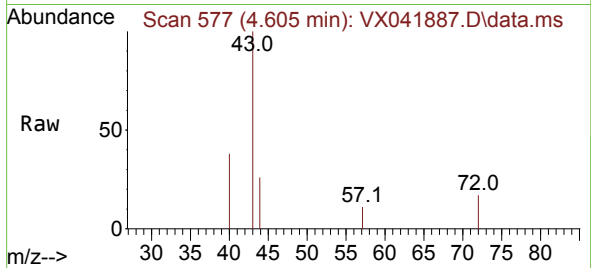




#30
2-Butanone
Concen: 0.924 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

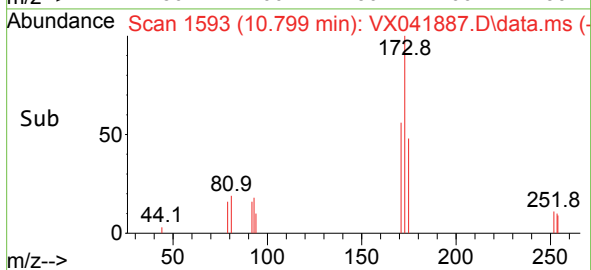
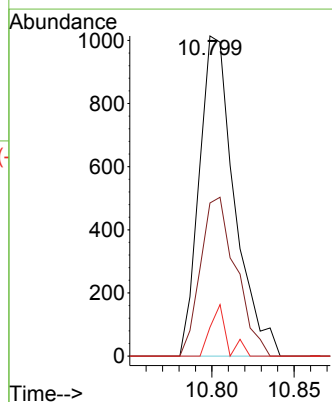
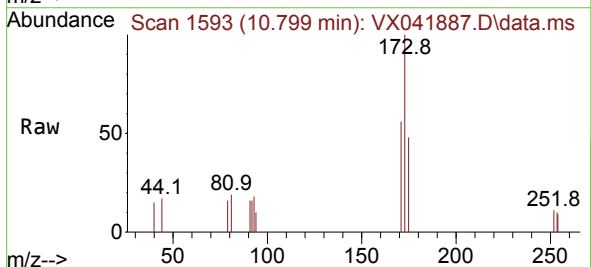
Instrument :
MSVOA_X
ClientSampleId :

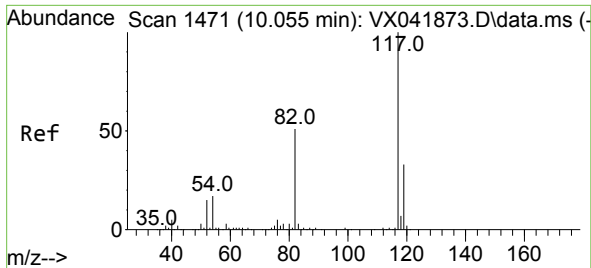
Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
57 3.5 6.5 9.7#
72 22.9 22.0 33.0



#56
Bromoform
Concen: 0.922 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Tgt Ion: 173 Resp: 1511
Ion Ratio Lower Upper
173 100
175 49.9 39.3 58.9
254 6.2 9.6 14.4#

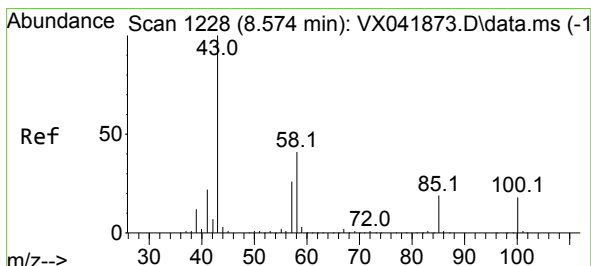
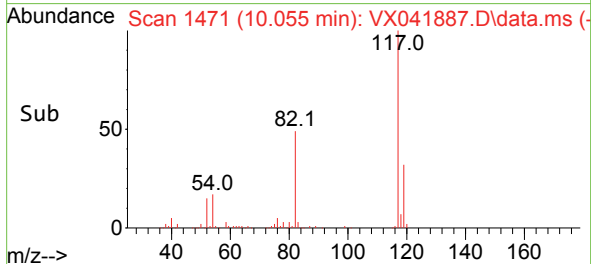
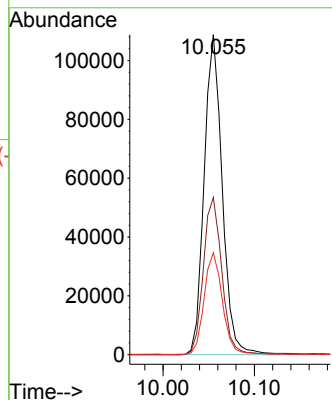
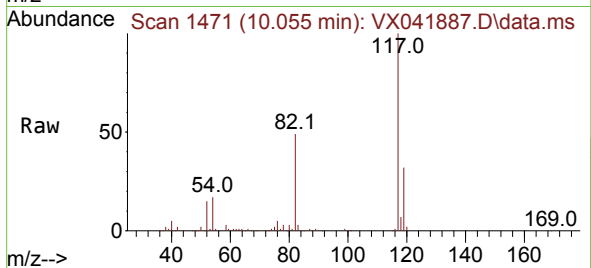




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

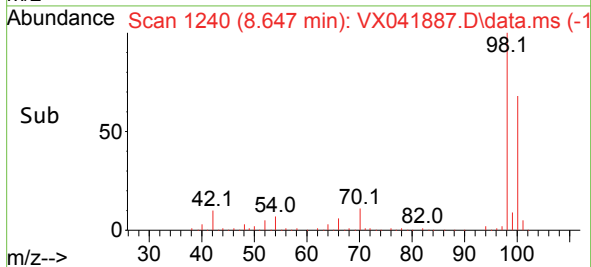
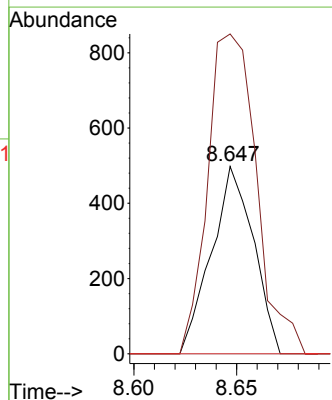
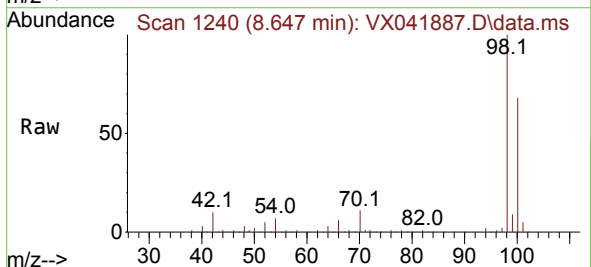
Instrument :
MSVOA_X
ClientSampleId :

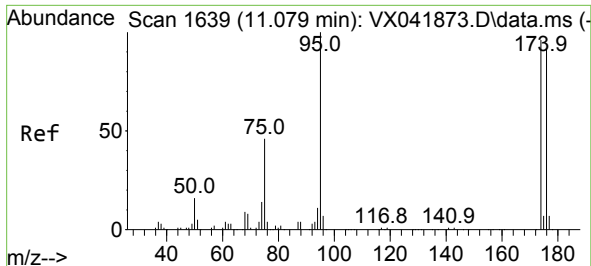
Tgt Ion:117 Resp: 149189
Ion Ratio Lower Upper
117 100
82 50.3 41.1 61.7
119 32.3 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 0.266 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

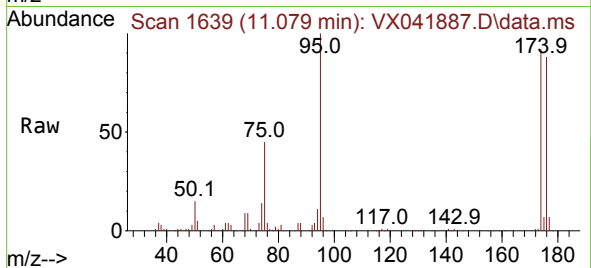
Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
58 193.0 33.2 49.8#
85 0.0 15.5 23.3#



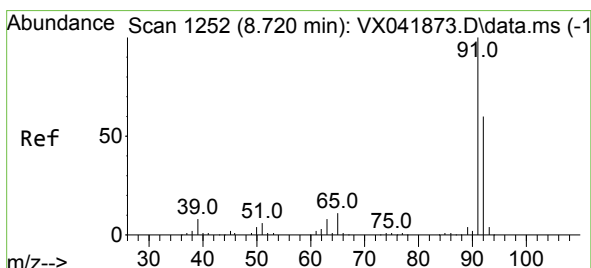
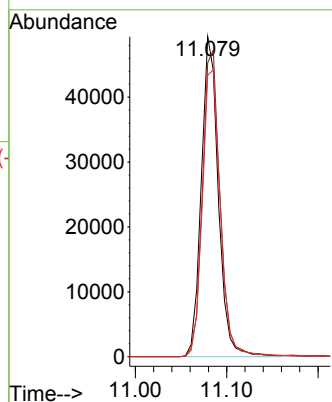
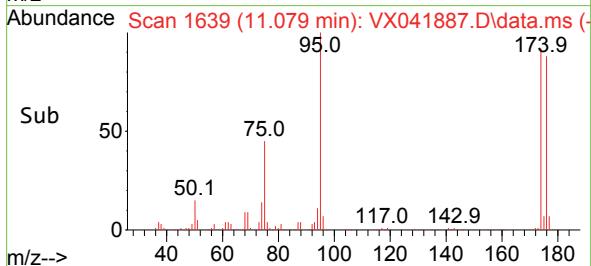


#60
4-Bromofluorobenzene
Concen: 27.637 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Instrument :
MSVOA_X
ClientSampleId :

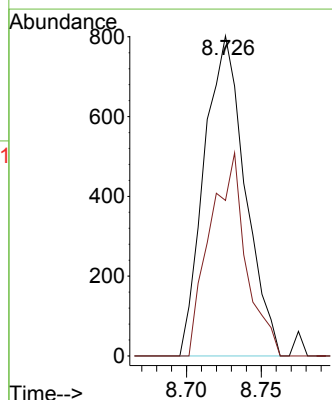
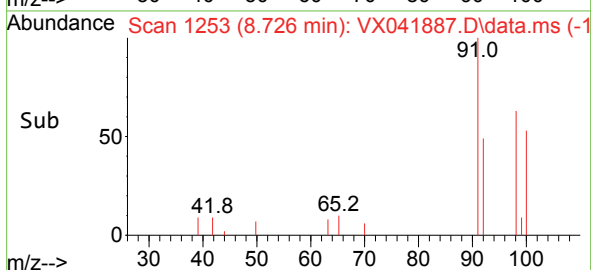
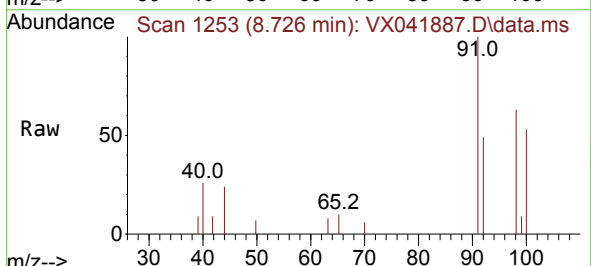


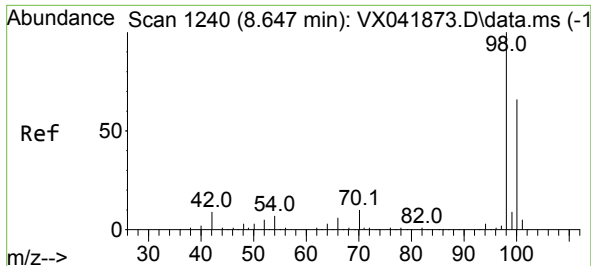
Tgt Ion: 95 Resp: 63823
Ion Ratio Lower Upper
95 100
174 99.2 78.9 118.3
176 95.2 77.1 115.7



#62
Toluene
Concen: 0.203 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Tgt Ion: 91 Resp: 1529
Ion Ratio Lower Upper
91 100
92 55.9 47.4 71.2

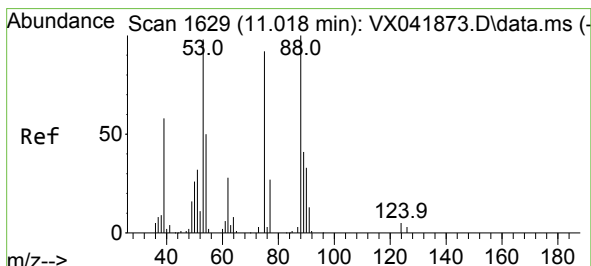
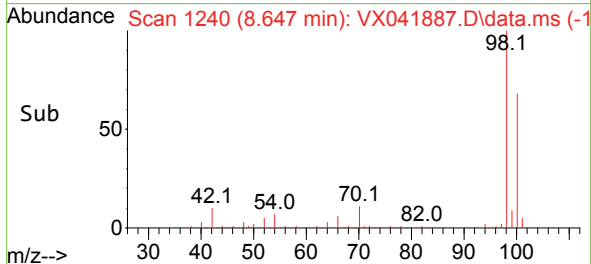
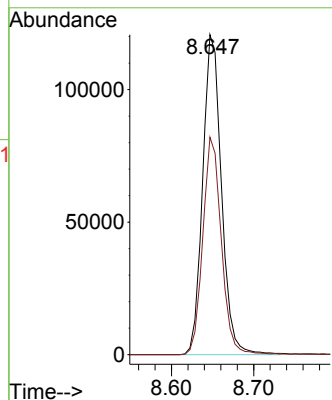
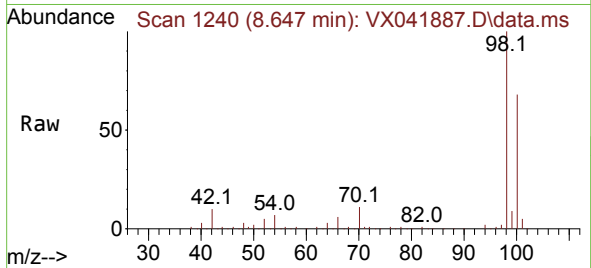




#63
Toluene-d8
Concen: 30.016 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

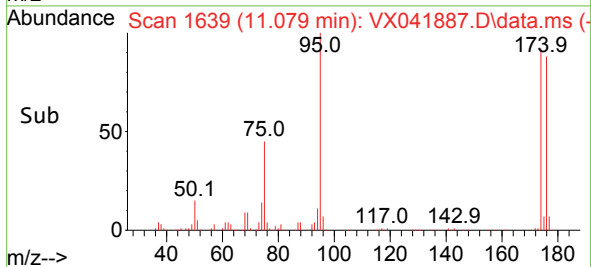
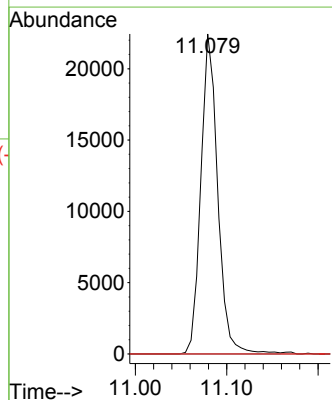
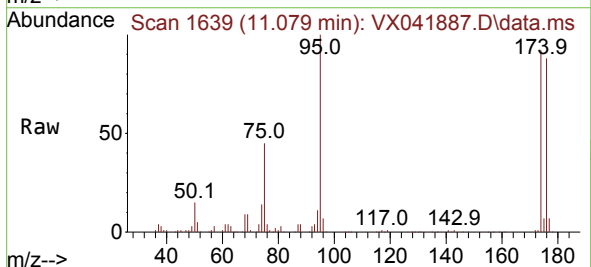
Instrument :
MSVOA_X
ClientSampleId :

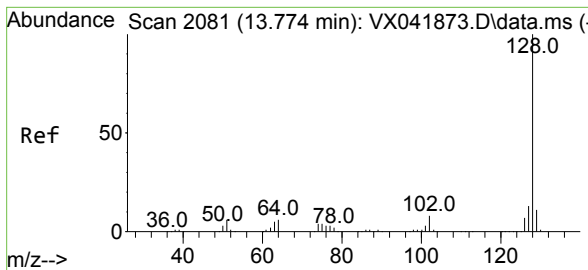
Tgt Ion: 98 Resp: 191586
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.339 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

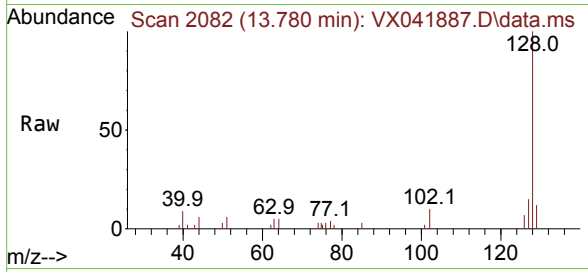
Tgt Ion: 75 Resp: 28772
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#





#91
Naphthalene
Concen: 0.524 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041887.D
Acq: 14 Jun 2024 18:58

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	4692
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.4	15.6
129	9.5	8.7	13.1

