

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061724\
 Data File : VX041903.D
 Acq On : 17 Jun 2024 12:28
 Operator : JC/MD
 Sample : VX0617WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 02:06:28 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)

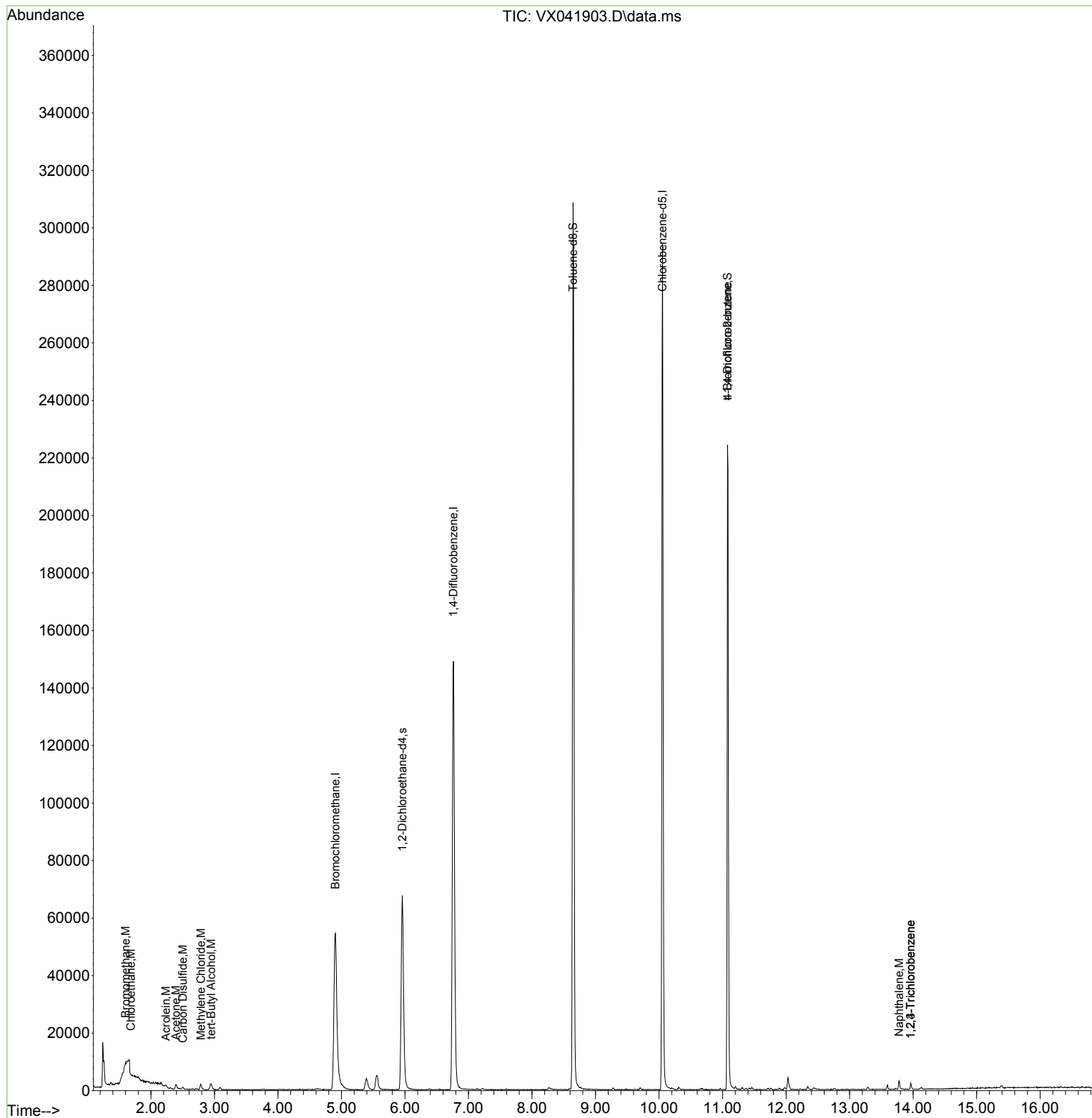
Internal Standards						
1) Bromochloromethane	4.903	128	29540	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	166920	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	148274	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	62639	30.803	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.667%			
60) 4-Bromofluorobenzene	11.079	95	61529	26.808	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.367%			
63) Toluene-d8	8.646	98	191151	30.132	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.433%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	498	0.446	ug/l #	54
6) Chloroethane	1.684	64	391	0.438	ug/l	95
13) Acrolein	2.233	56	252	0.543	ug/l #	60
15) Acetone	2.391	58	635	2.032	ug/l	77
16) Carbon Disulfide	2.501	76	999	0.253	ug/l #	92
18) Methylene Chloride	2.788	84	968	0.467	ug/l #	81
23) tert-Butyl Alcohol	2.946	59	1393	3.430	ug/l #	100
77) t-1,4-Dichloro-2-butene	11.079	75	27290	31.817	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.963	180	794	0.270	ug/l	93
91) Naphthalene	13.780	128	2955	0.332	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	794	0.260	ug/l	94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061724\
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Misc : 5.0mL/MSVOA_X/WATER
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MSVOA_X
ClientSampleId :

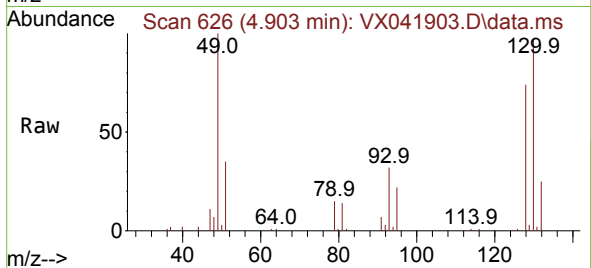
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



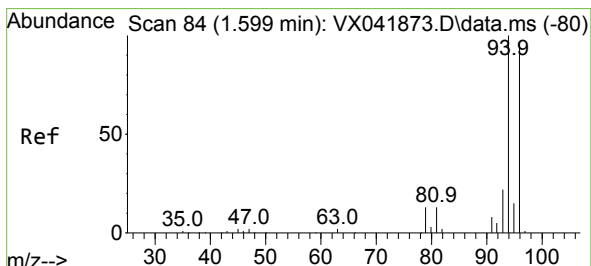
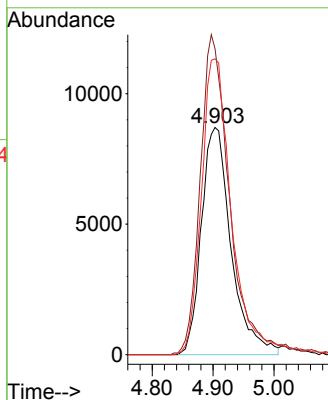
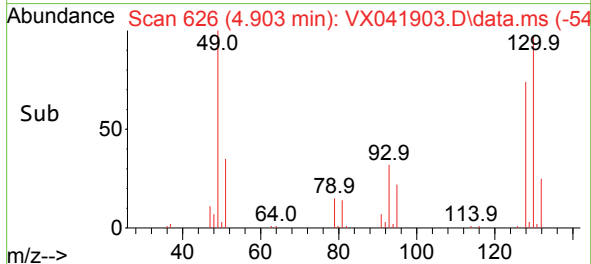


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

Instrument :
MSVOA_X
ClientSampleId :

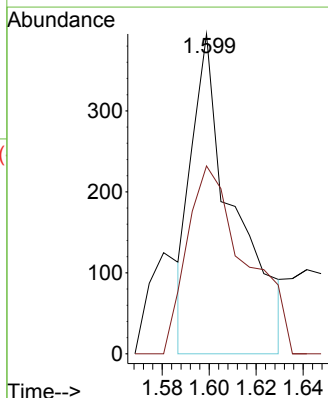
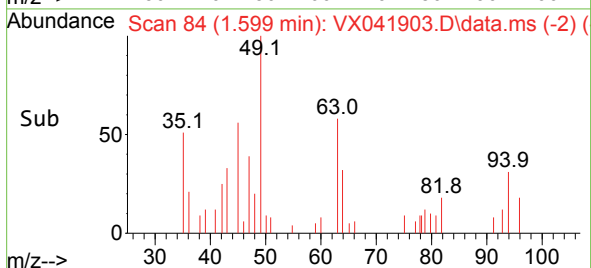
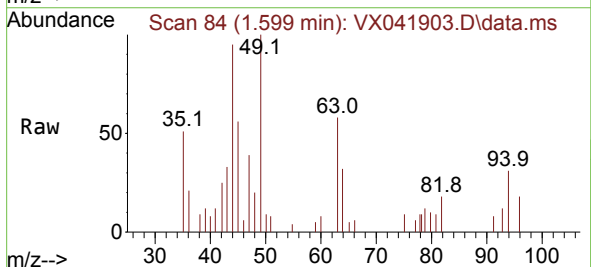


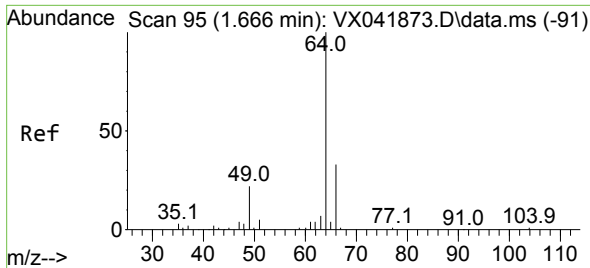
Tgt Ion:128 Resp: 29540
Ion Ratio Lower Upper
128 100
49 138.1 0.0 338.5
130 130.6 0.0 324.5



#5
Bromomethane
Concen: 0.446 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

Tgt Ion: 94 Resp: 498
Ion Ratio Lower Upper
94 100
96 51.2 76.6 115.0#

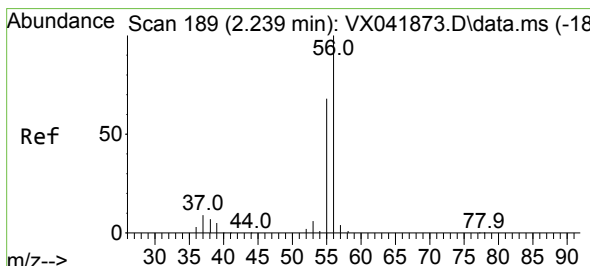
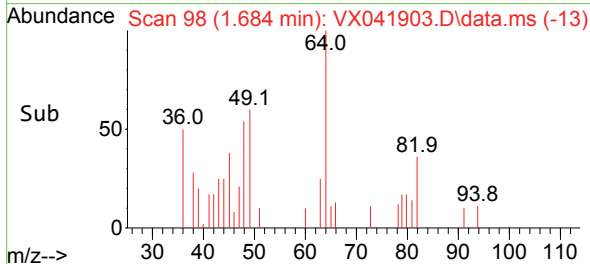
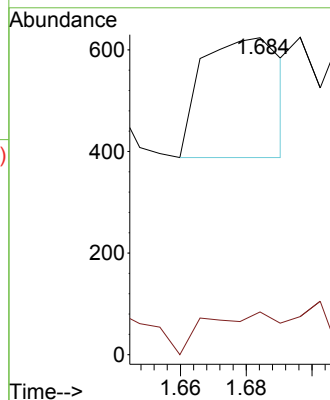
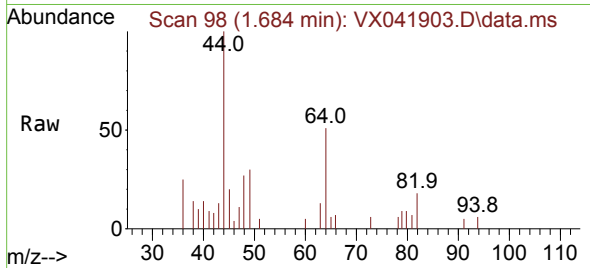




#6
Chloroethane
Concen: 0.438 ug/l
RT: 1.684 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

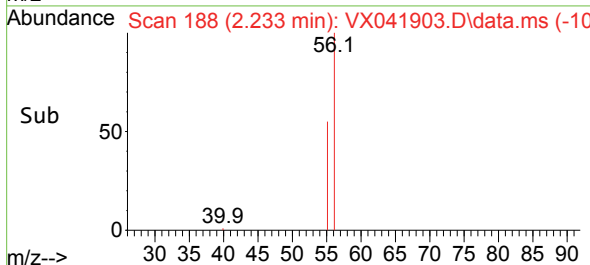
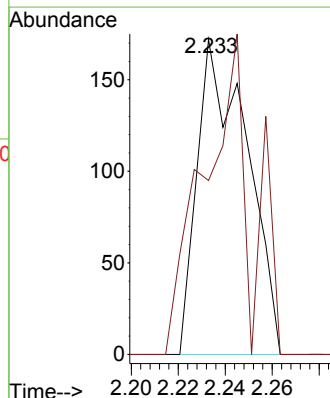
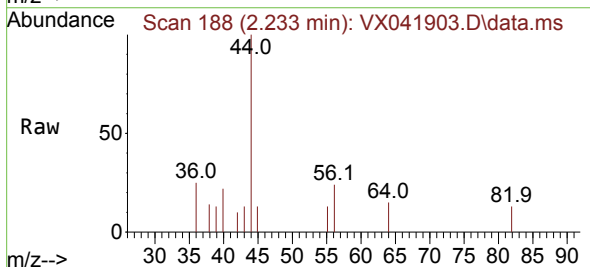
Instrument :
MSVOA_X
ClientSampleId :

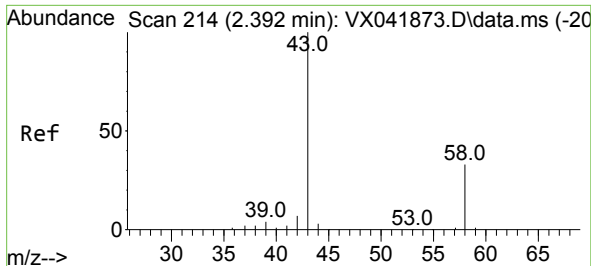
Tgt Ion: 64 Resp: 391
Ion Ratio Lower Upper
64 100
66 35.6 26.4 39.6



#13
Acrolein
Concen: 0.543 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

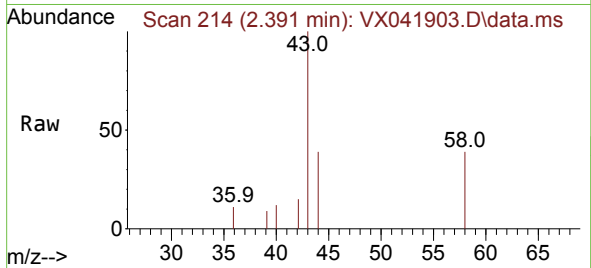
Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 36.5 55.4 83.0#



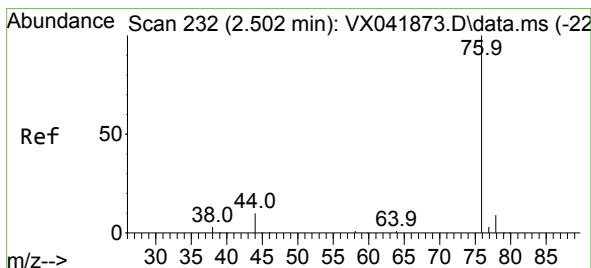
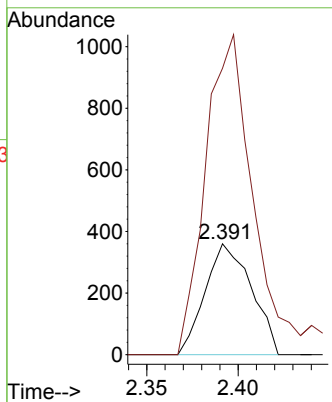
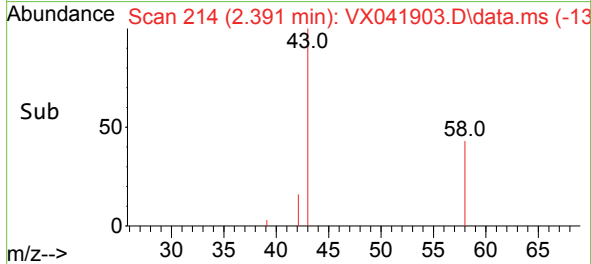


#15
Acetone
Concen: 2.032 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

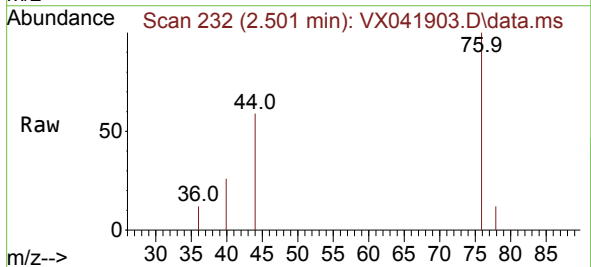
Instrument :
MSVOA_X
ClientSampleId :



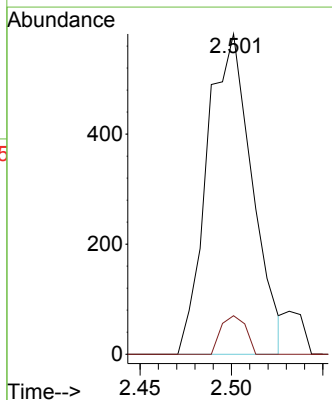
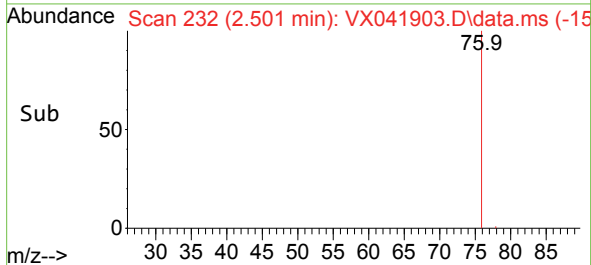
Tgt Ion: 58 Resp: 635
Ion Ratio Lower Upper
58 100
43 258.3 243.4 365.2

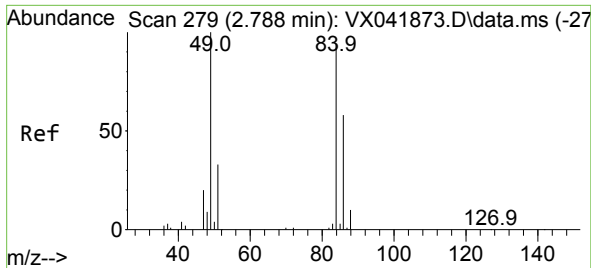


#16
Carbon Disulfide
Concen: 0.253 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28



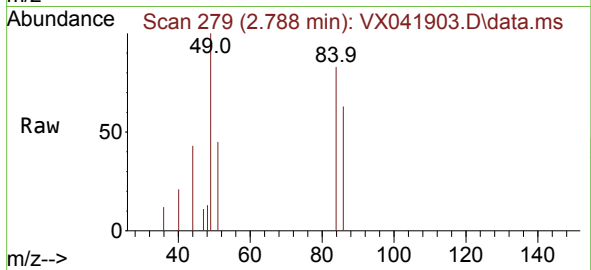
Tgt Ion: 76 Resp: 999
Ion Ratio Lower Upper
76 100
78 12.0 7.3 10.9#



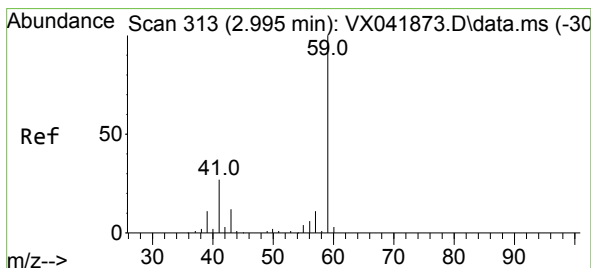
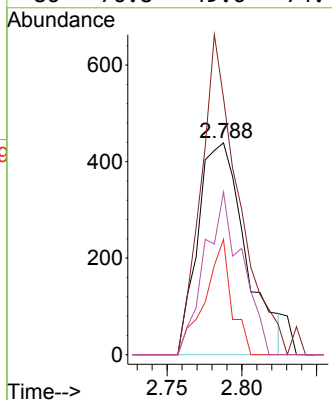
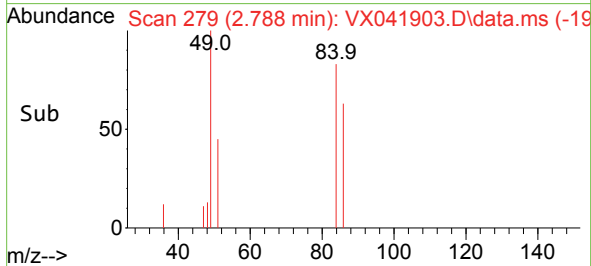


#18
Methylene Chloride
Concen: 0.467 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

Instrument :
MSVOA_X
ClientSampleId :

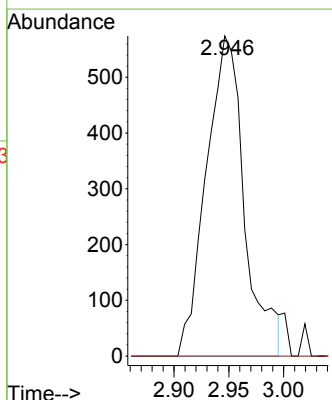
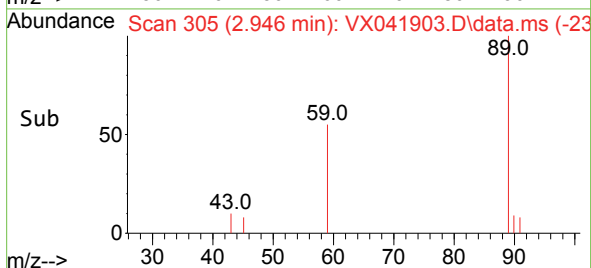
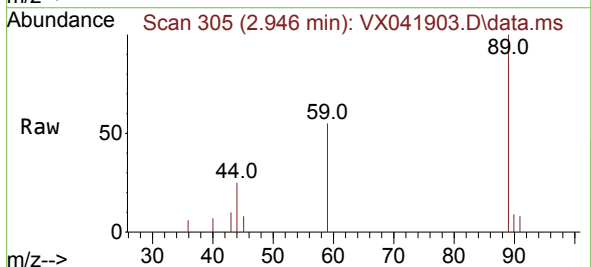


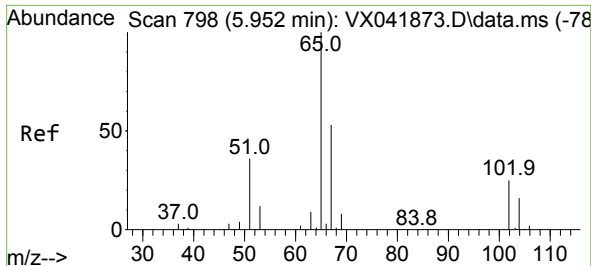
Tgt Ion:	84	Resp:	968
Ion	Ratio	Lower	Upper
84	100		
49	121.2	85.3	127.9
51	54.4	28.5	42.7#
86	76.8	49.6	74.4#



#23
tert-Butyl Alcohol
Concen: 3.430 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

Tgt Ion:	59	Resp:	1393
Ion	Ratio	Lower	Upper
59	100		
52	1.4	0.0	0.0#





#27

1,2-Dichloroethane-d4

Concen: 30.803 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041903.D

Acq: 17 Jun 2024 12:28

Instrument :

MSVOA_X

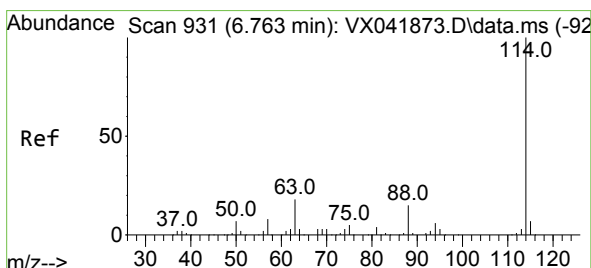
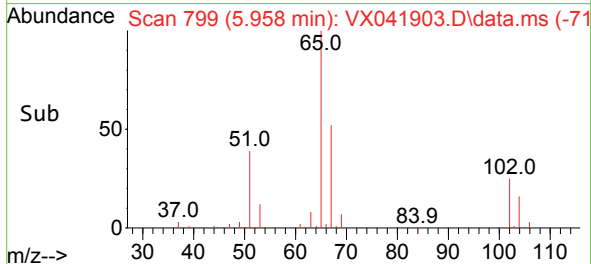
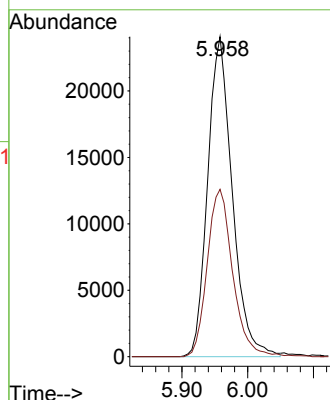
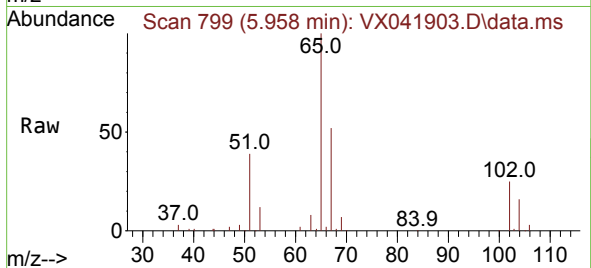
ClientSampleId :

Tgt Ion: 65 Resp: 62639

Ion Ratio Lower Upper

65 100

67 54.2 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: VX041903.D

Acq: 17 Jun 2024 12:28

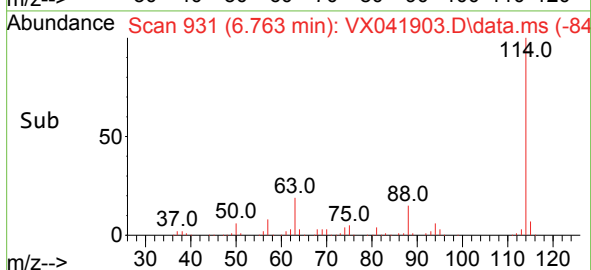
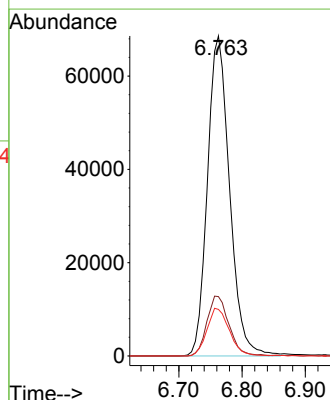
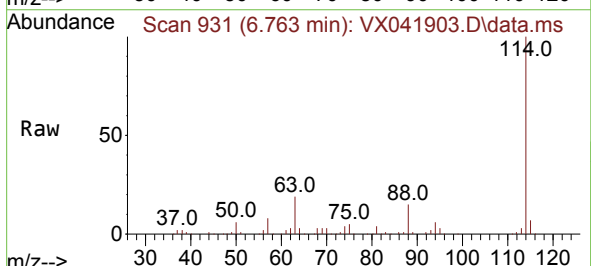
Tgt Ion: 114 Resp: 166920

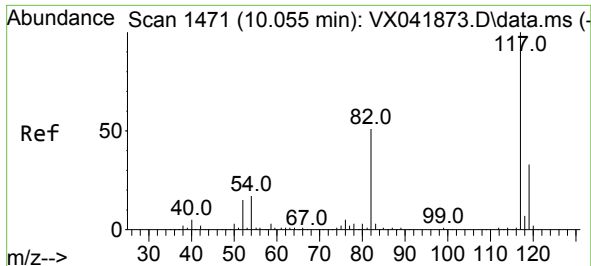
Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

88 15.0 11.8 17.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

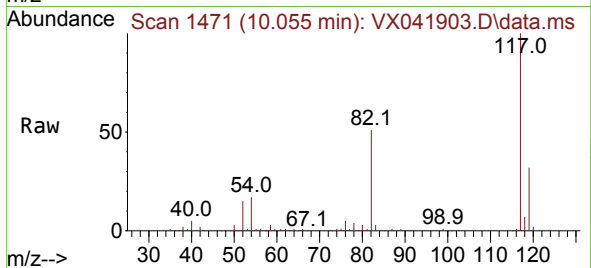
Lab File: VX041903.D

Acq: 17 Jun 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :



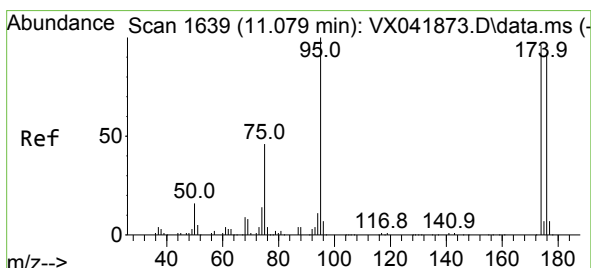
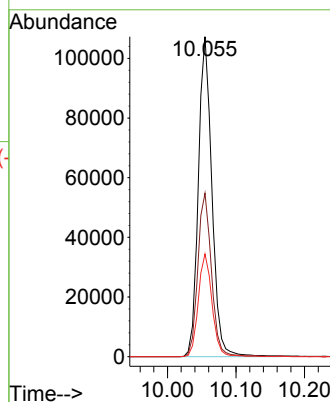
Tgt Ion:117 Resp: 148274

Ion	Ratio	Lower	Upper
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117	100		
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82	51.2	41.1	61.7
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119	32.4	26.1	39.1
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#60

4-Bromofluorobenzene

Concen: 26.808 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX041903.D

Acq: 17 Jun 2024 12:28

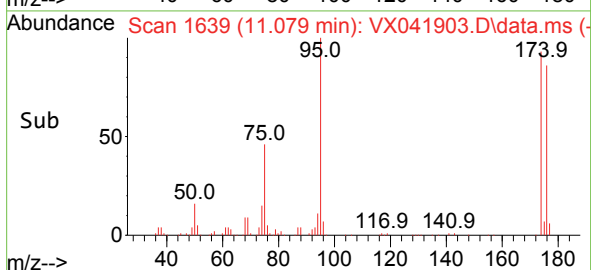
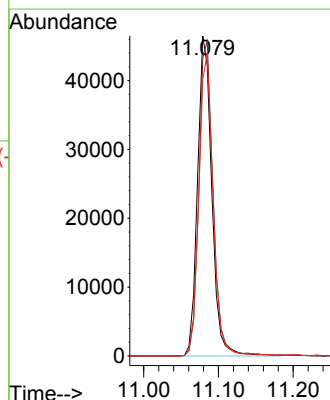
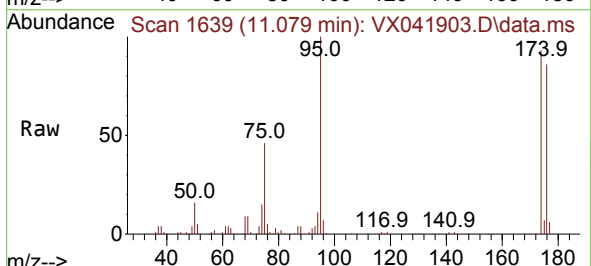
Tgt Ion: 95 Resp: 61529

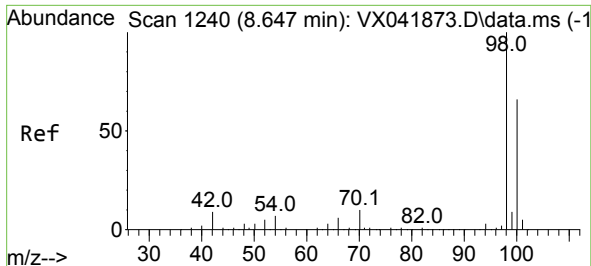
Ion	Ratio	Lower	Upper
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95	100		
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174	97.9	78.9	118.3
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176	93.8	77.1	115.7
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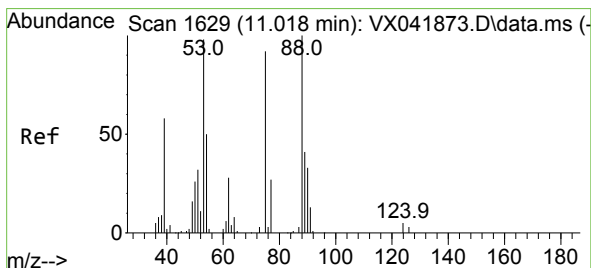
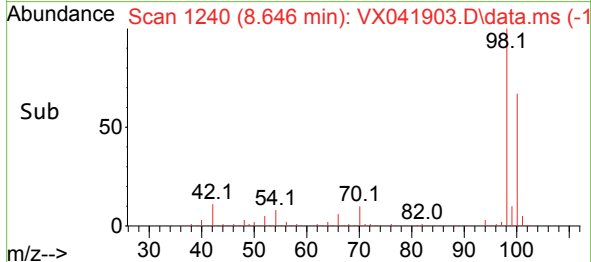
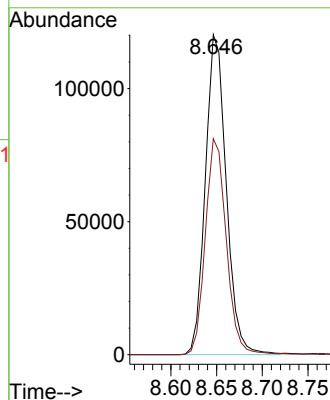
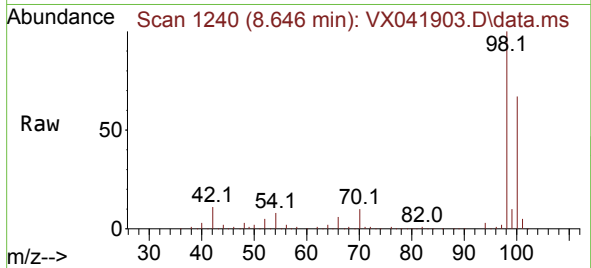




#63
Toluene-d8
Concen: 30.132 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

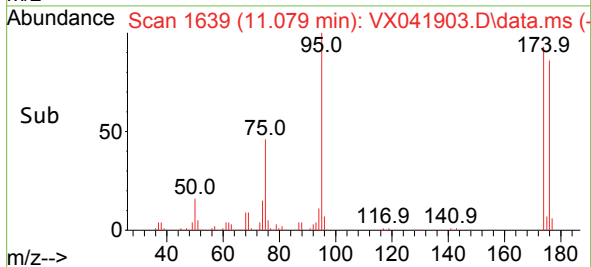
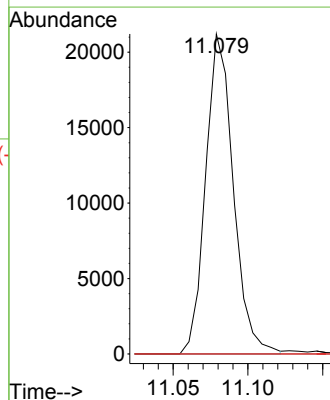
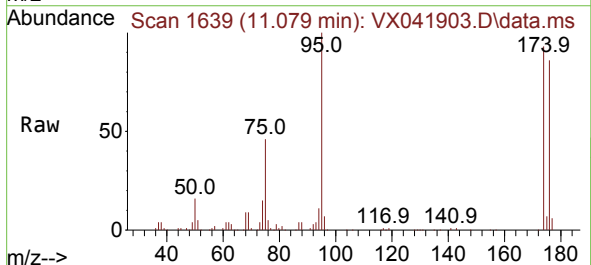
Instrument :
MSVOA_X
ClientSampleId :

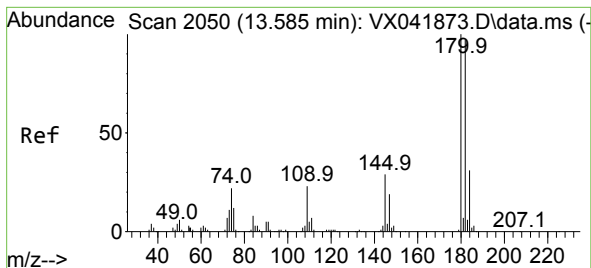
Tgt Ion: 98 Resp: 191151
Ion Ratio Lower Upper
98 100
100 67.6 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 31.817 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041903.D
Acq: 17 Jun 2024 12:28

Tgt Ion: 75 Resp: 27290
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#





#89

1,2,4-Trichlorobenzene

Concen: 0.270 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.378 min

Lab File: VX041903.D

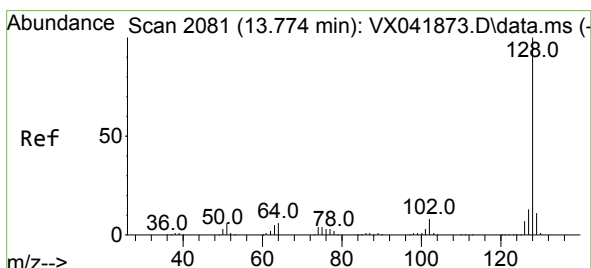
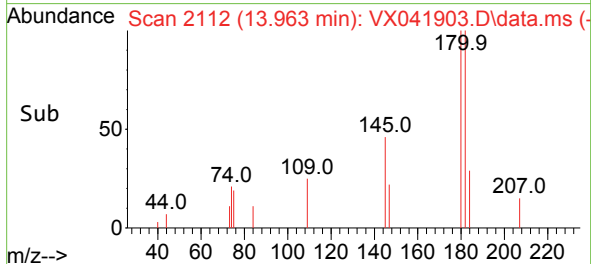
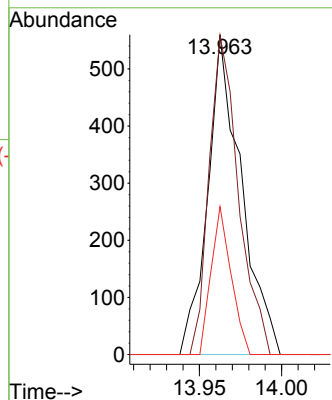
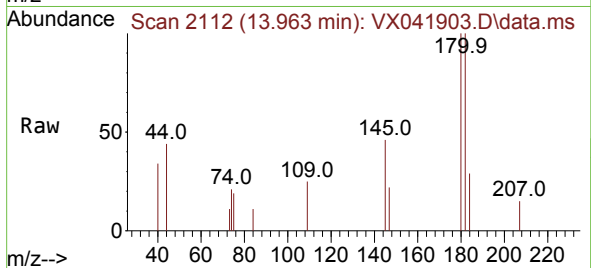
Acq: 17 Jun 2024 12:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	794
Ion Ratio	Lower	Upper
180	100	
182	87.3	76.9 115.3
145	27.6	22.8 34.2



#91

Naphthalene

Concen: 0.332 ug/l

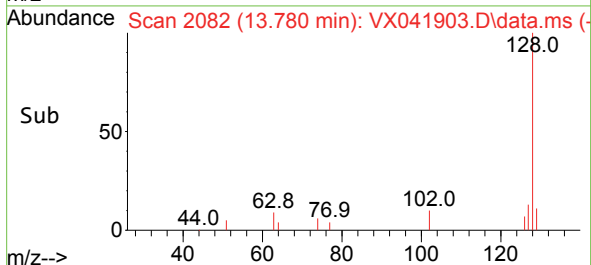
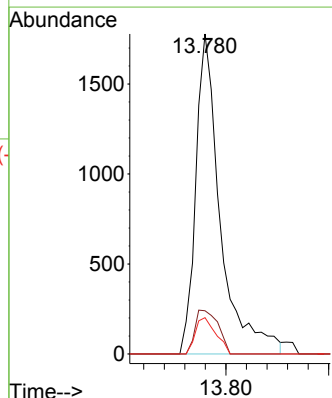
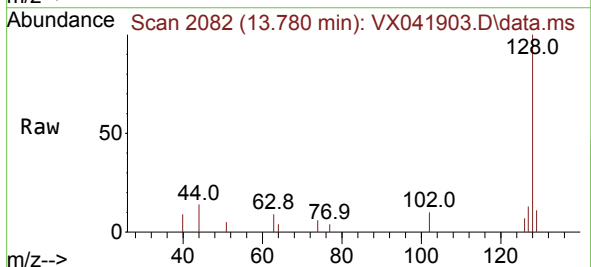
RT: 13.780 min Scan# 2082

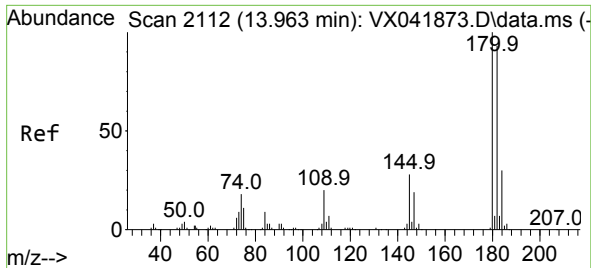
Delta R.T. 0.006 min

Lab File: VX041903.D

Acq: 17 Jun 2024 12:28

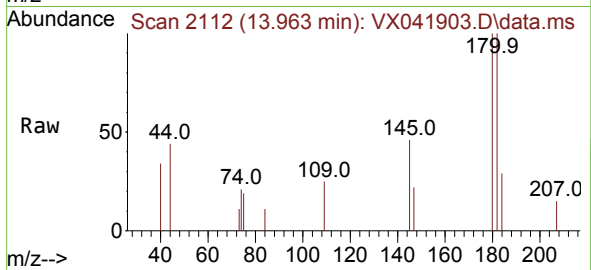
Tgt Ion:128	Resp:	2955
Ion Ratio	Lower	Upper
128	100	
127	12.9	10.4 15.6
129	9.5	8.7 13.1





#92
 1,2,3-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX041903.D
 Acq: 17 Jun 2024 12:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	794
Ion	Ratio	Lower	Upper
180	100		
182	87.3	0.0	187.8
145	27.6	0.0	58.4

