

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
 Data File : VX042874.D
 Acq On : 06 Aug 2024 16:20
 Operator : JC/MD
 Sample : P3446-04DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 07 05:01:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

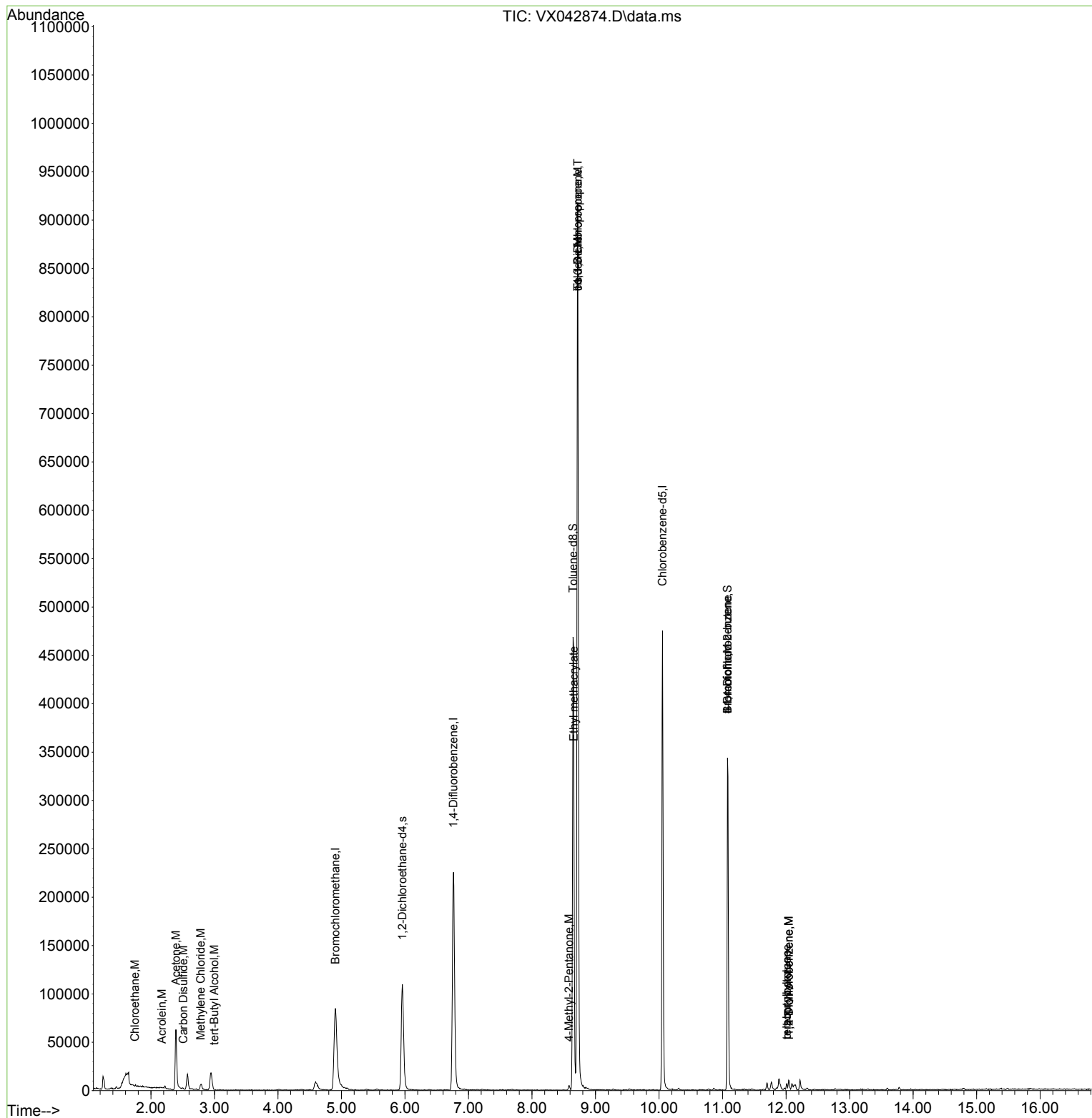
Internal Standards						
1) Bromochloromethane	4.903	128	40669	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	236880	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	215108	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	108337	28.848	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.167%
60) 4-Bromofluorobenzene	11.079	95	93726	26.707	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.033%
63) Toluene-d8	8.647	98	295825	30.446	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.500%
Target Compounds						
					Qvalue	
6) Chloroethane	1.745	64	340	0.244	ug/l	98
13) Acrolein	2.172	56	63	0.410	ug/l #	77
15) Acetone	2.392	58	21774	41.529	ug/l	86
16) Carbon Disulfide	2.507	76	1652	0.326	ug/l #	94
18) Methylene Chloride	2.782	84	3119	1.105	ug/l	87
23) tert-Butyl Alcohol	2.995	59	378	0.507	ug/l #	100
48) t-1,3-Dichloropropene	8.720	75	4131	1.155	ug/l #	1
49) cis-1,3-Dichloropropene	8.720	75	4131	1.067	ug/l #	1
51) Ethyl methacrylate	8.659	69	1035	0.247	ug/l	88
56) Bromoform	11.079	173	878	0.410	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	3126	0.772	ug/l #	90
62) Toluene	8.720	91	618301	58.686	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	47076	39.126	ug/l #	11
79) tert-butylbenzene	12.012	119	2710	0.271	ug/l	66
82) p-Isopropyltoluene	12.012	119	2710	0.264	ug/l	86
84) 1,4-Dichlorobenzene	12.042	146	2036	0.377	ug/l	93
87) 1,2-Dichlorobenzene	12.042	146	2036	0.380	ug/l	90

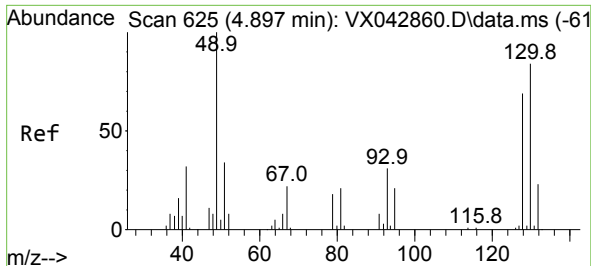
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
Data File : VX042874.D
Acq On : 06 Aug 2024 16:20
Operator : JC/MD
Sample : P3446-04DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

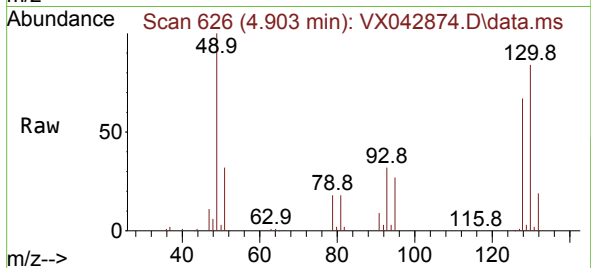
Quant Time: Aug 07 05:01:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
Response via : Initial Calibration



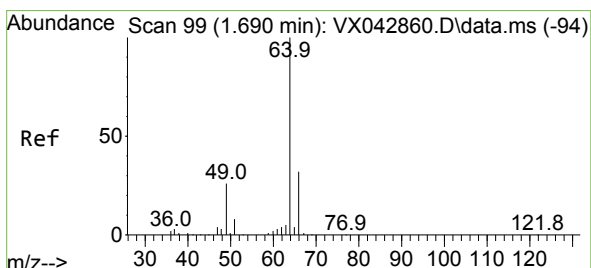
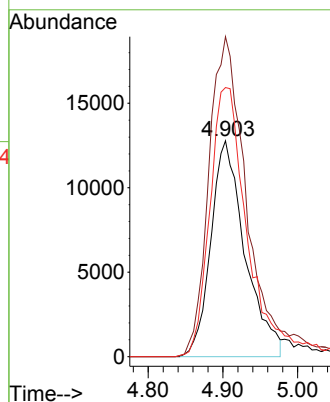
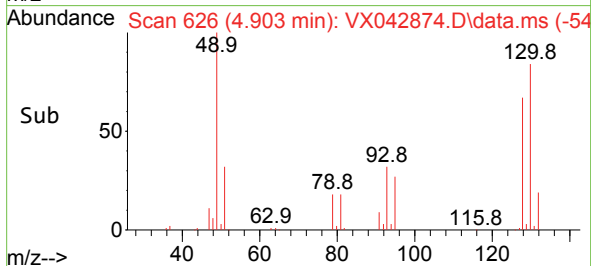


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

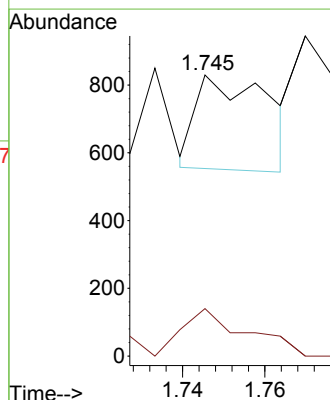
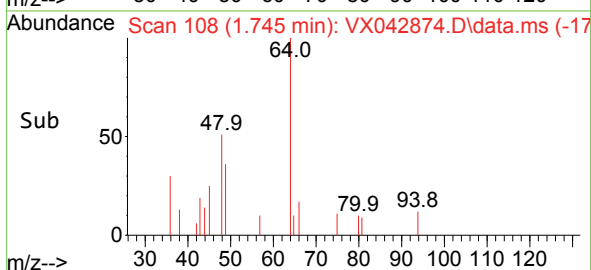
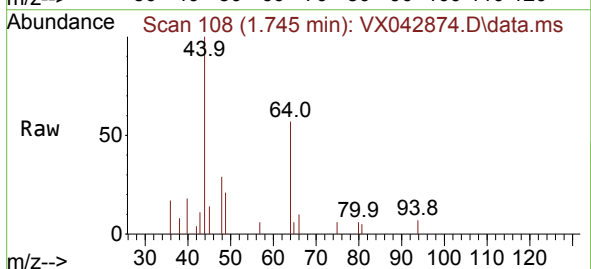


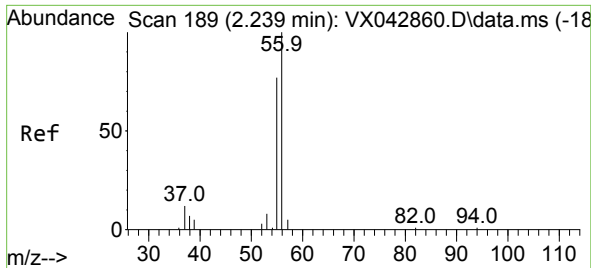
Tgt Ion:128 Resp: 40669
Ion Ratio Lower Upper
128 100
49 161.3 0.0 400.5
130 138.6 0.0 333.0



#6
Chloroethane
Concen: 0.244 ug/l
RT: 1.745 min Scan# 108
Delta R.T. 0.055 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

Tgt Ion: 64 Resp: 340
Ion Ratio Lower Upper
64 100
66 33.6 25.9 38.9

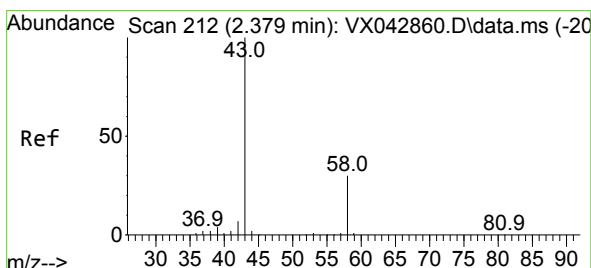
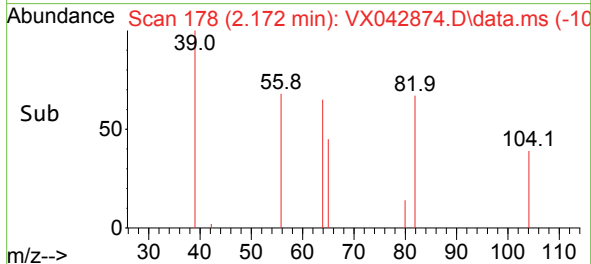
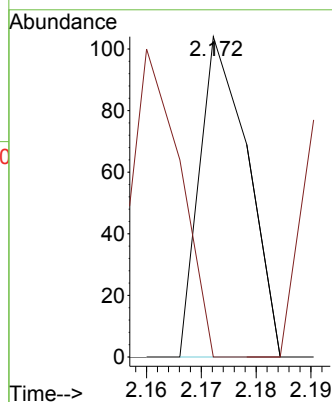
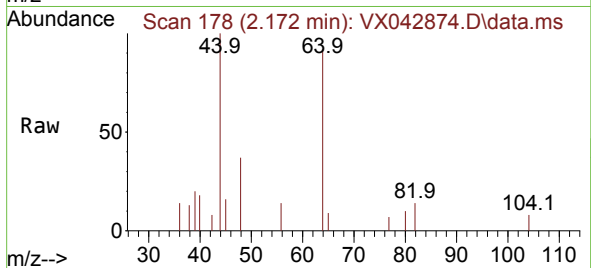




#13
Acrolein
Concen: 0.410 ug/l
RT: 2.172 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

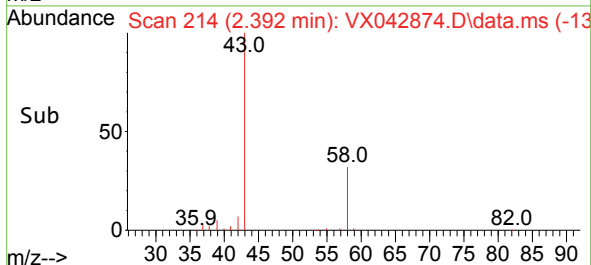
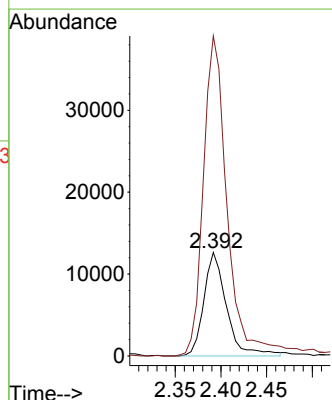
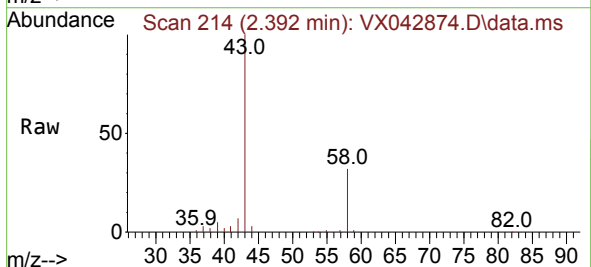
Instrument :
MSVOA_X
ClientSampleId :

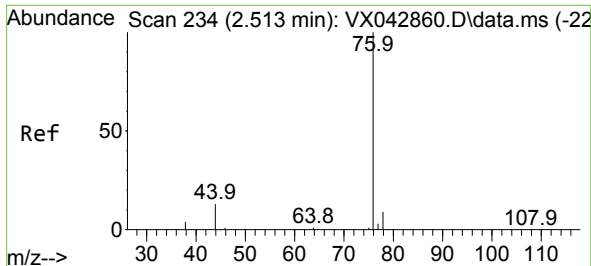
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 95.2 60.6 90.8#



#15
Acetone
Concen: 41.529 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

Tgt Ion: 58 Resp: 21774
Ion Ratio Lower Upper
58 100
43 308.2 269.9 404.9

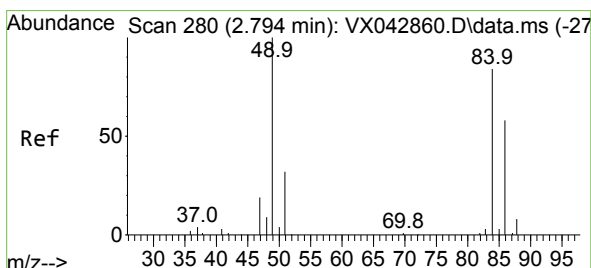
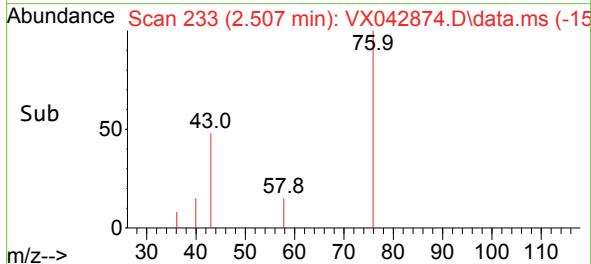
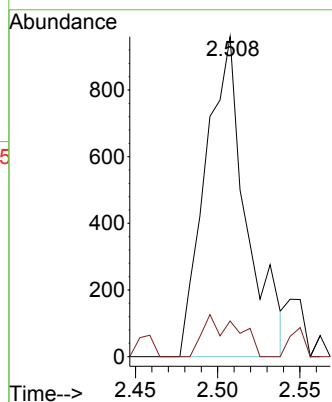
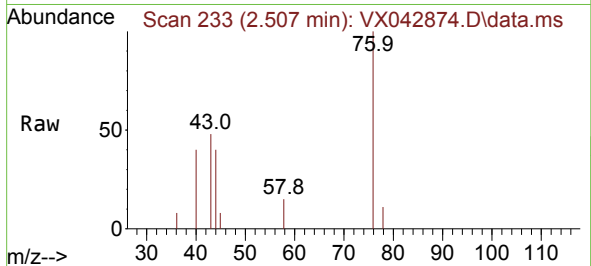




#16
Carbon Disulfide
Concen: 0.326 ug/l
RT: 2.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

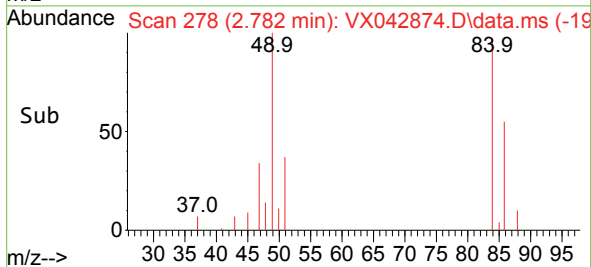
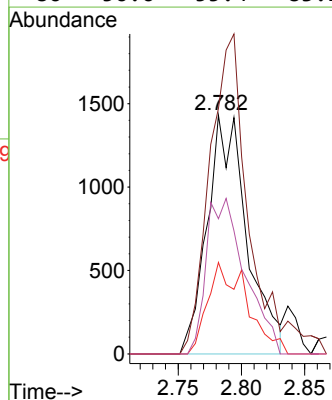
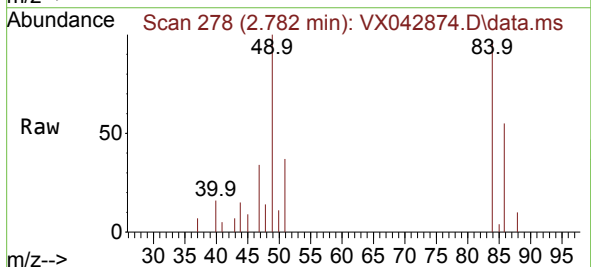
Instrument :
MSVOA_X
ClientSampleId :

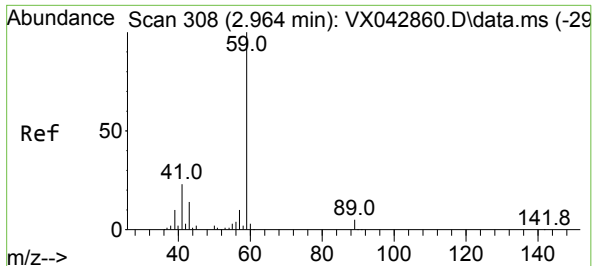
Tgt Ion: 76 Resp: 1652
Ion Ratio Lower Upper
76 100
78 11.1 7.1 10.7#



#18
Methylene Chloride
Concen: 1.105 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

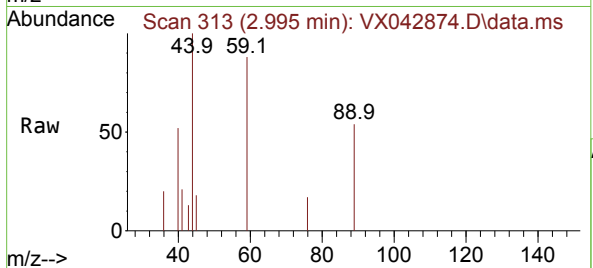
Tgt Ion: 84 Resp: 3119
Ion Ratio Lower Upper
84 100
49 102.8 95.0 142.6
51 38.3 30.1 45.1
86 56.6 55.4 83.2



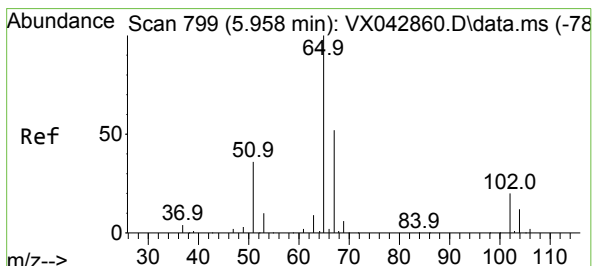
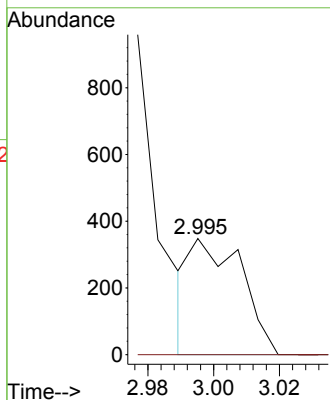
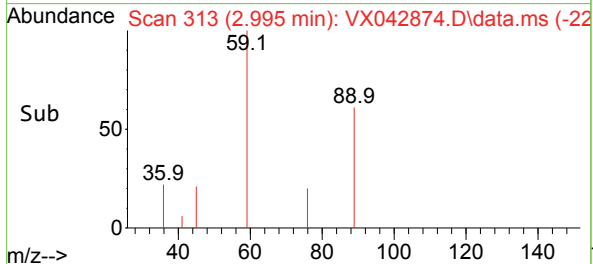


#23
tert-Butyl Alcohol
Concen: 0.507 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.031 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

Instrument :
MSVOA_X
ClientSampleId :

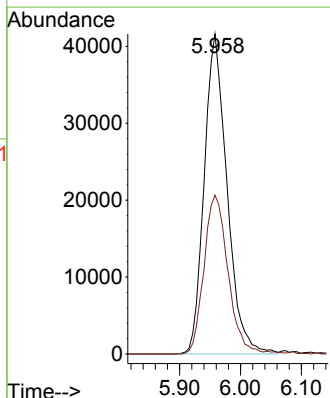
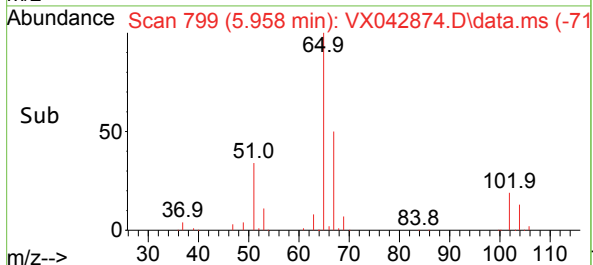
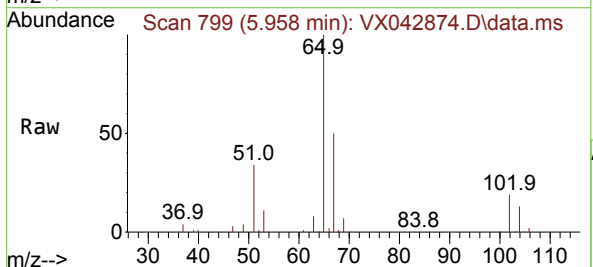


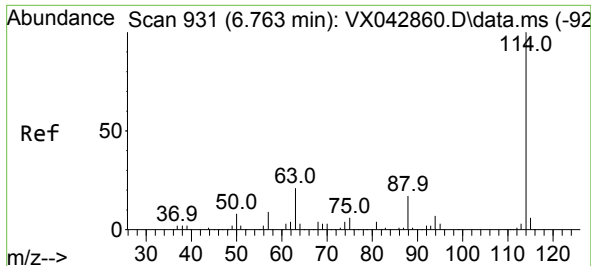
Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 28.848 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

Tgt Ion: 65 Resp: 108337
Ion Ratio Lower Upper
65 100
67 52.0 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX042874.D

Acq: 06 Aug 2024 16:20

Instrument :

MSVOA_X

ClientSampleId :

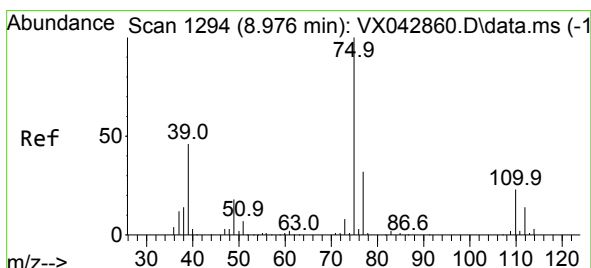
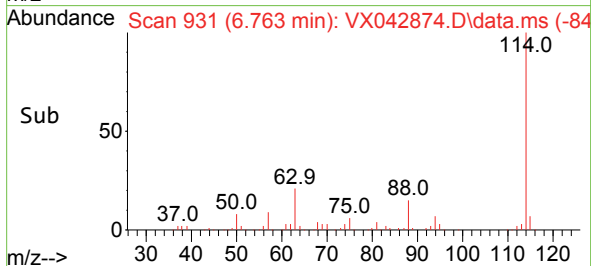
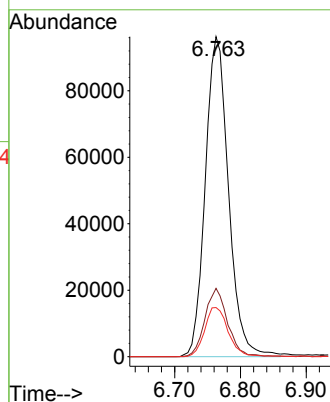
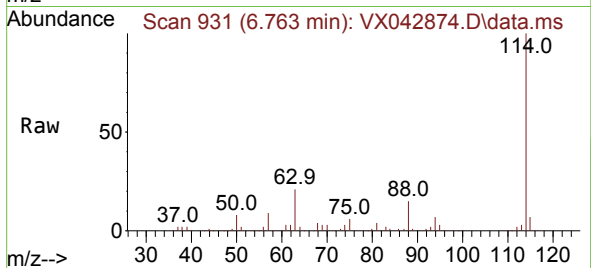
Tgt Ion:114 Resp: 236880

Ion Ratio Lower Upper

114 100

63 20.4 16.0 24.0

88 15.6 12.5 18.7



#48

t-1,3-Dichloropropene

Concen: 1.155 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.256 min

Lab File: VX042874.D

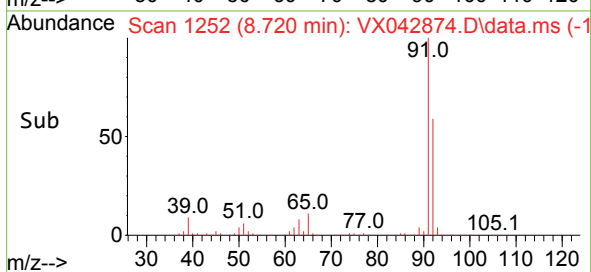
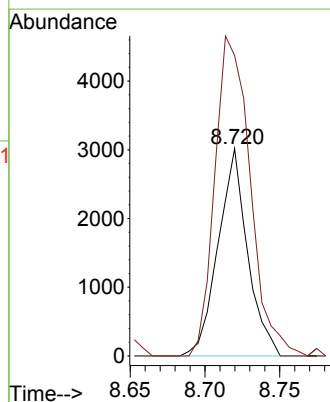
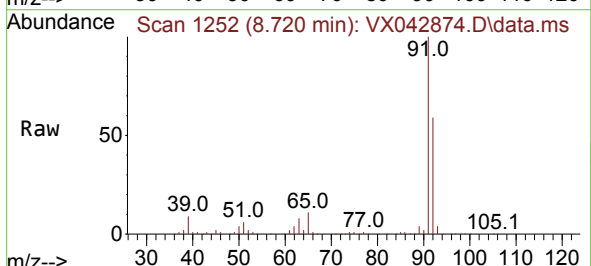
Acq: 06 Aug 2024 16:20

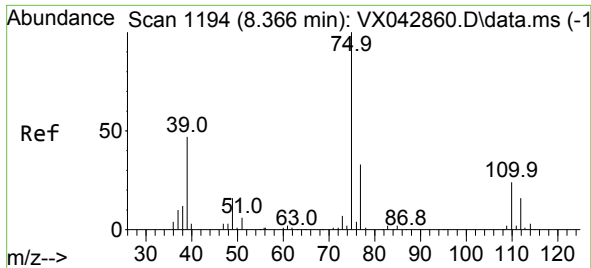
Tgt Ion: 75 Resp: 4131

Ion Ratio Lower Upper

75 100

77 145.0 25.6 38.4#

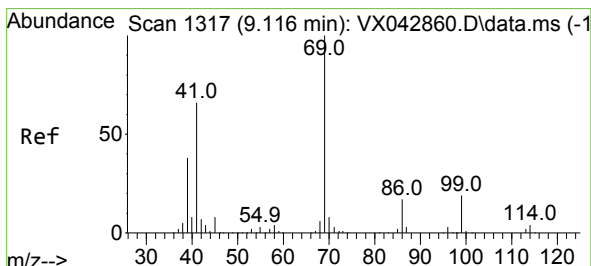
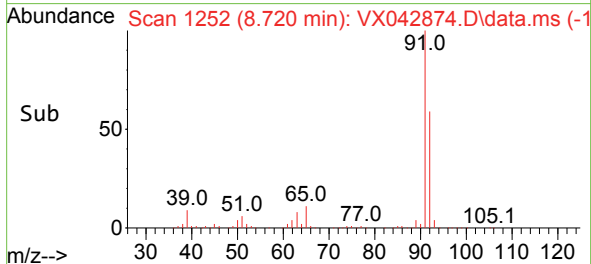
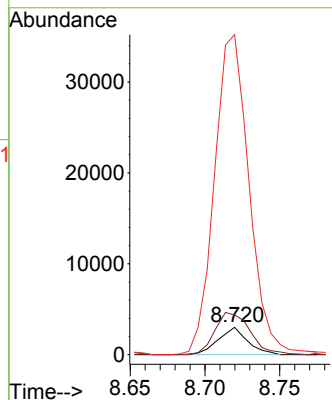
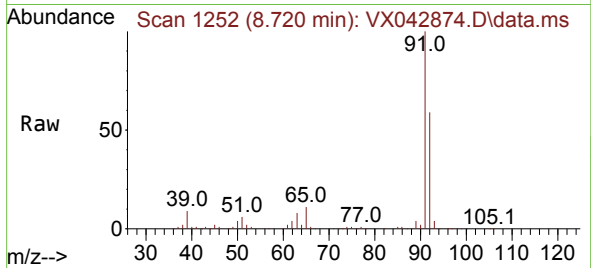




#49
 cis-1,3-Dichloropropene
 Concen: 1.067 ug/l
 RT: 8.720 min Scan# 1194
 Delta R.T. 0.354 min
 Lab File: VX042874.D
 Acq: 06 Aug 2024 16:20

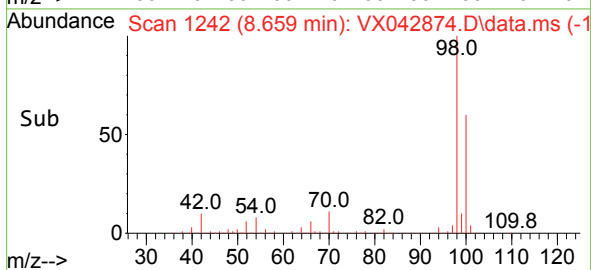
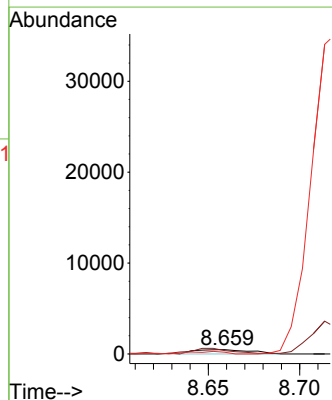
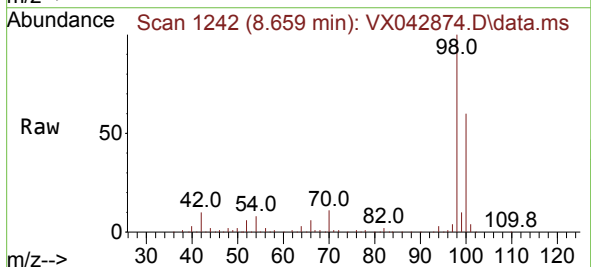
Instrument :
 MSVOA_X
 ClientSampleId :

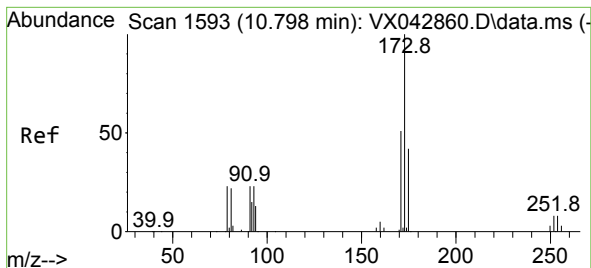
Tgt Ion: 75 Resp: 4131
 Ion Ratio Lower Upper
 75 100
 77 145.0 26.8 40.2#
 39 1163.8 37.5 56.3#



#51
 Ethyl methacrylate
 Concen: 0.247 ug/l
 RT: 8.659 min Scan# 1242
 Delta R.T. -0.457 min
 Lab File: VX042874.D
 Acq: 06 Aug 2024 16:20

Tgt Ion: 69 Resp: 1035
 Ion Ratio Lower Upper
 69 100
 41 63.1 33.1 99.2
 39 21.9 18.8 56.3





#56

Bromoform

Concen: 0.410 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

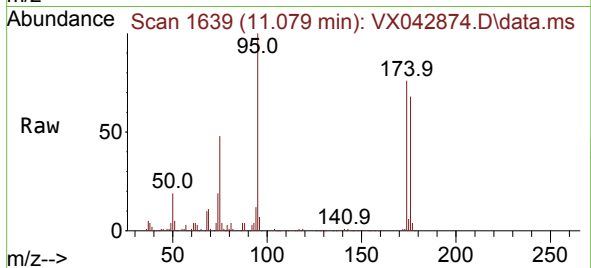
Lab File: VX042874.D

Acq: 06 Aug 2024 16:20

Instrument :

MSVOA_X

ClientSampleId :



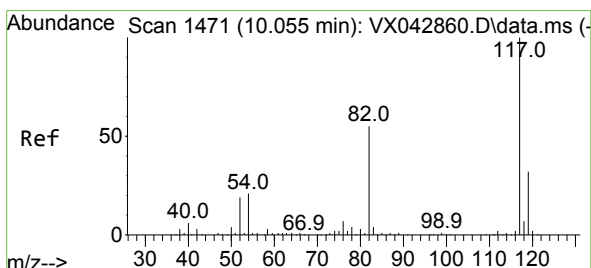
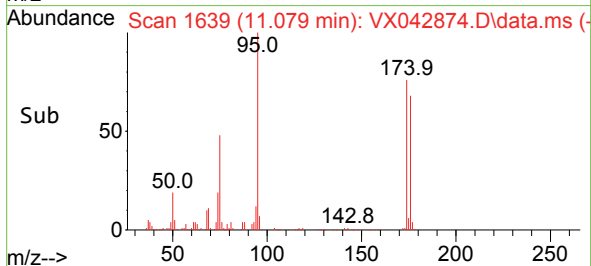
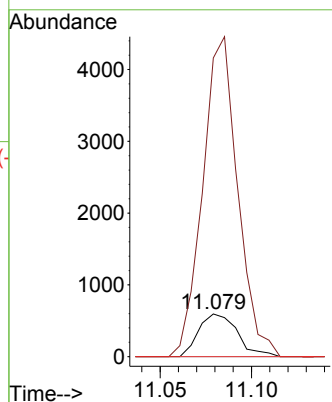
Tgt Ion:173 Resp: 878

Ion Ratio Lower Upper

173 100

175 678.5 37.1 55.7#

254 0.0 6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042874.D

Acq: 06 Aug 2024 16:20

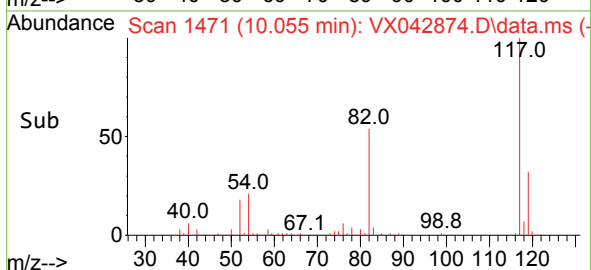
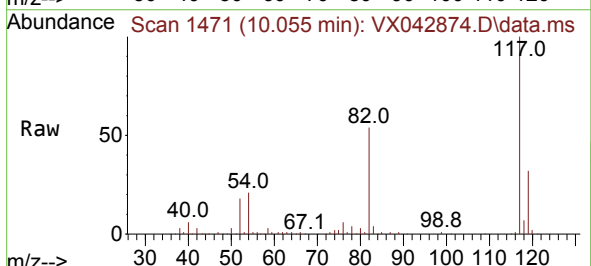
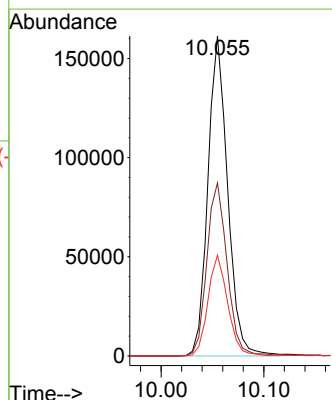
Tgt Ion:117 Resp: 215108

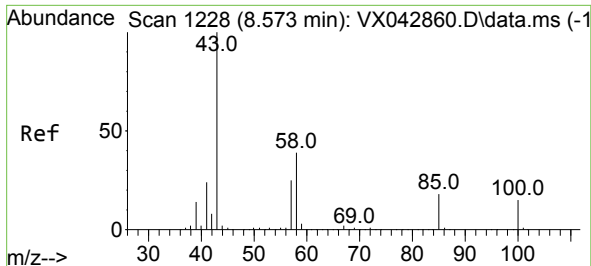
Ion Ratio Lower Upper

117 100

82 55.8 44.9 67.3

119 31.5 25.4 38.2

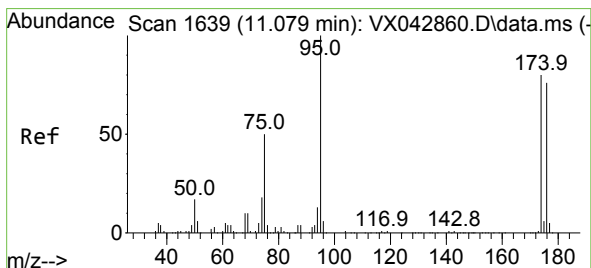
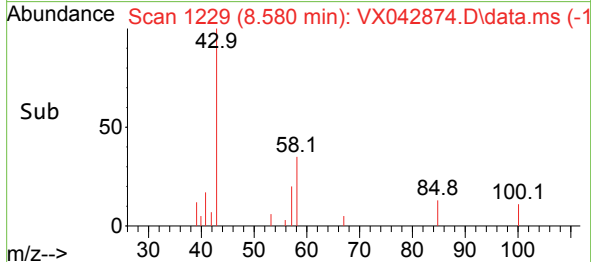
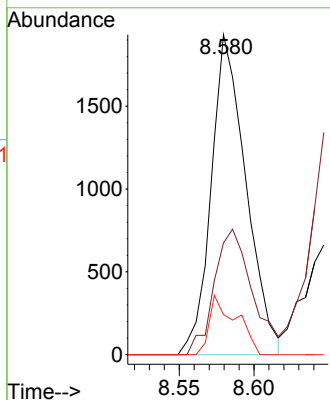
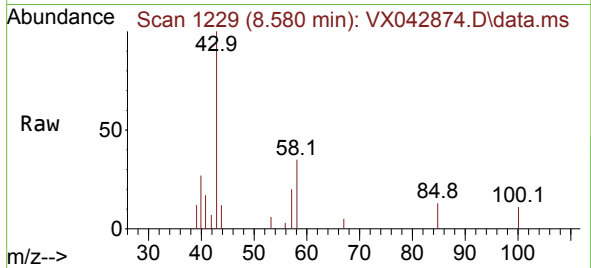




#58
 4-Methyl-2-Pentanone
 Concen: 0.772 ug/l
 RT: 8.580 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX042874.D
 Acq: 06 Aug 2024 16:20

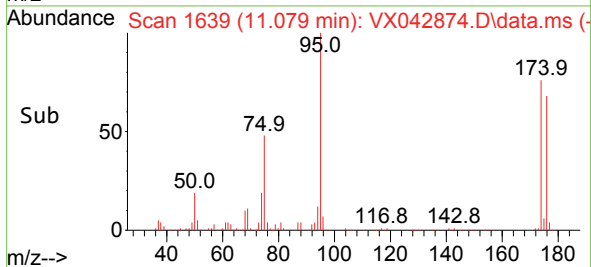
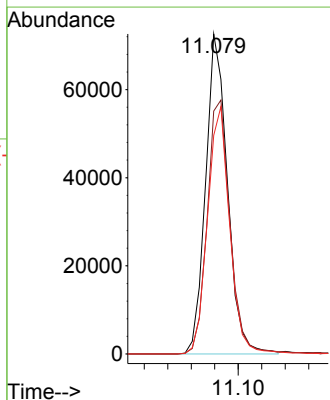
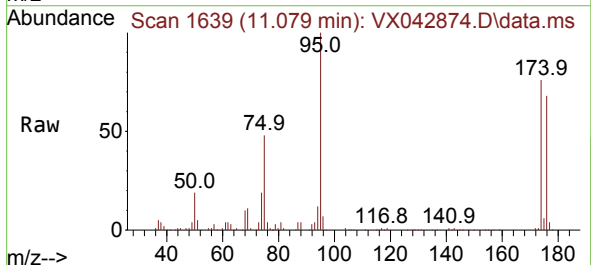
Instrument :
 MSVOA_X
 ClientSampleId :

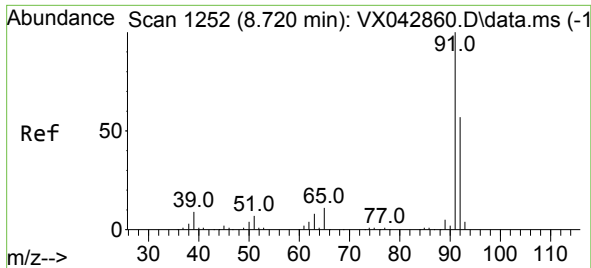
Tgt Ion: 43 Resp: 3126
 Ion Ratio Lower Upper
 43 100
 58 42.9 31.4 47.0
 85 10.3 14.6 21.8#



#60
 4-Bromofluorobenzene
 Concen: 26.707 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX042874.D
 Acq: 06 Aug 2024 16:20

Tgt Ion: 95 Resp: 93726
 Ion Ratio Lower Upper
 95 100
 174 83.0 65.0 97.6
 176 78.7 63.4 95.0

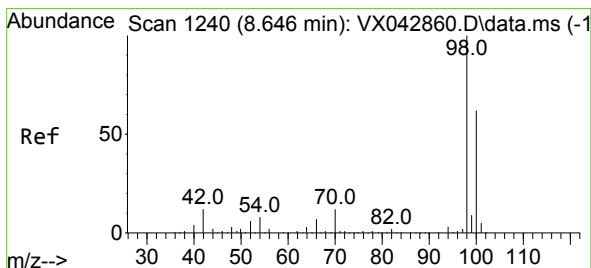
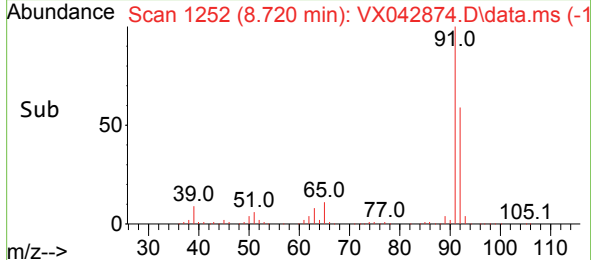
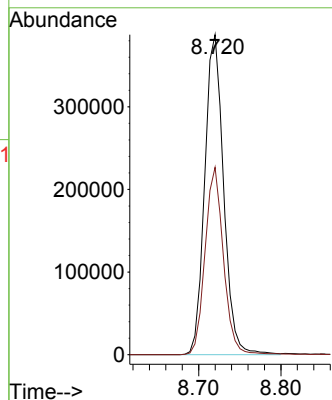
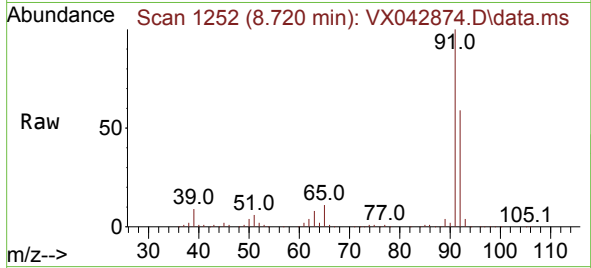




#62
Toluene
Concen: 58.686 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

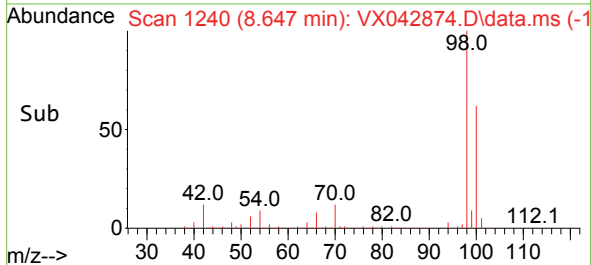
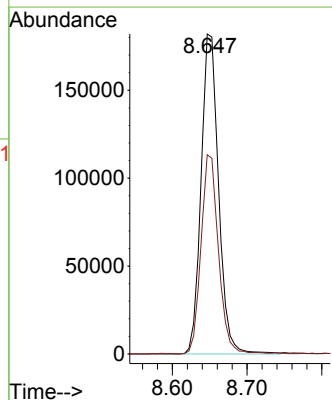
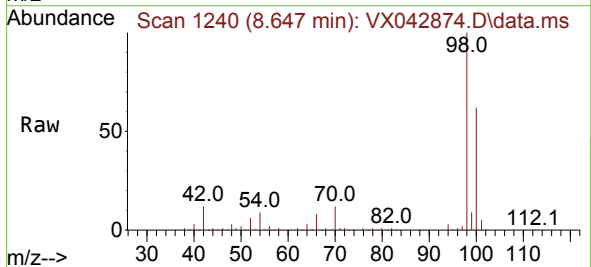
Instrument :
MSVOA_X
ClientSampleId :

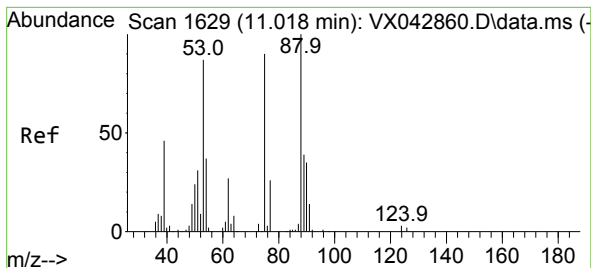
Tgt Ion: 91 Resp: 618301
Ion Ratio Lower Upper
91 100
92 56.8 45.7 68.5



#63
Toluene-d8
Concen: 30.446 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

Tgt Ion: 98 Resp: 295825
Ion Ratio Lower Upper
98 100
100 61.8 50.9 76.3

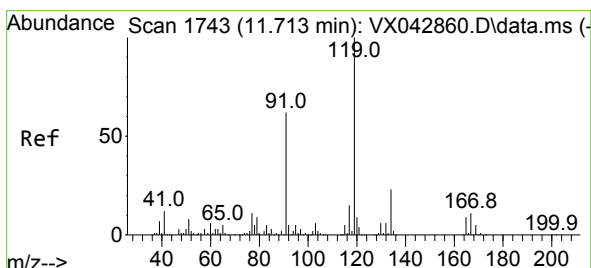
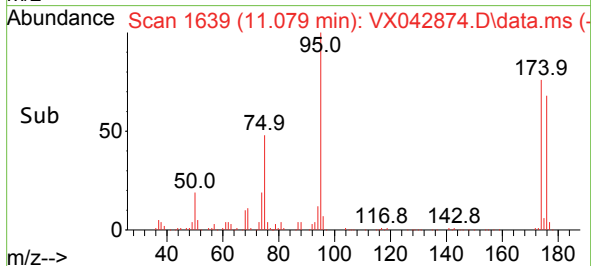
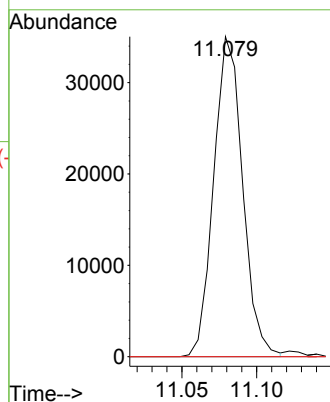
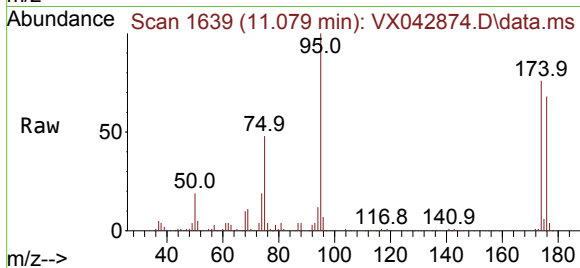




#77
t-1,4-Dichloro-2-butene
Concen: 39.126 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

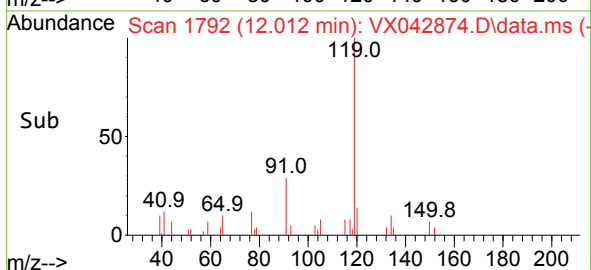
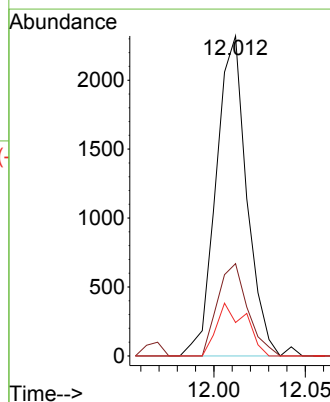
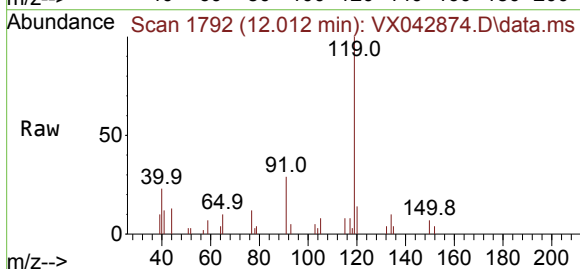
Instrument :
MSVOA_X
ClientSampleId :

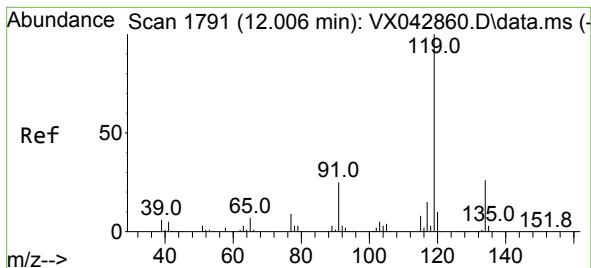
Tgt Ion: 75 Resp: 47076
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.5#
89 0.0 21.9 65.5#



#79
tert-butylbenzene
Concen: 0.271 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.299 min
Lab File: VX042874.D
Acq: 06 Aug 2024 16:20

Tgt Ion: 119 Resp: 2710
Ion Ratio Lower Upper
119 100
91 28.3 0.0 118.6
134 15.7 0.0 44.4





#82

p-Isopropyltoluene

Concen: 0.264 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX042874.D

Acq: 06 Aug 2024 16:20

Instrument :

MSVOA_X

ClientSampleId :

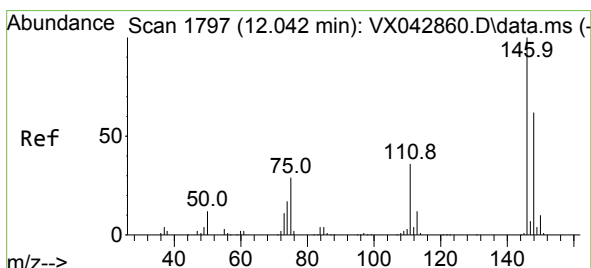
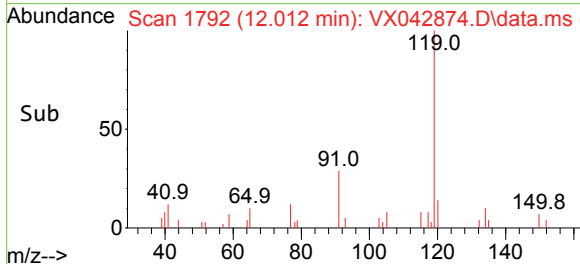
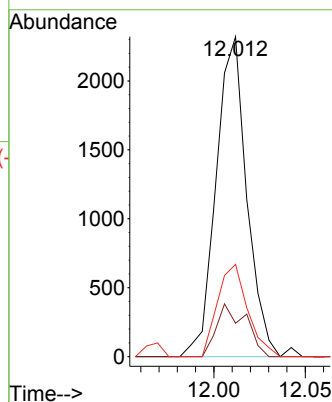
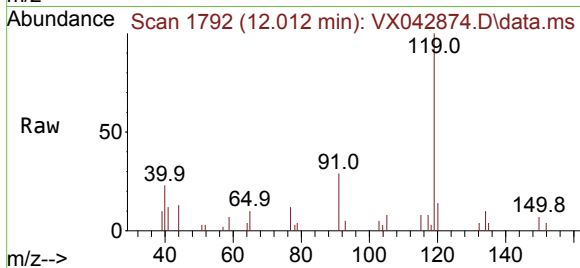
Tgt Ion:119 Resp: 2710

Ion Ratio Lower Upper

119 100

134 15.7 0.0 51.8

91 28.3 0.0 48.4



#84

1,4-Dichlorobenzene

Concen: 0.377 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX042874.D

Acq: 06 Aug 2024 16:20

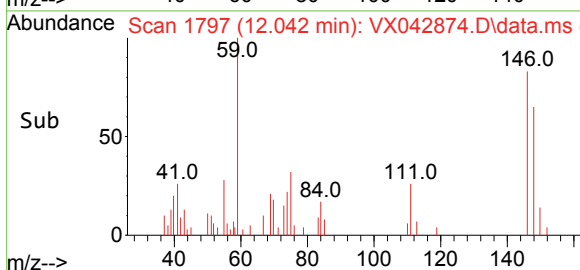
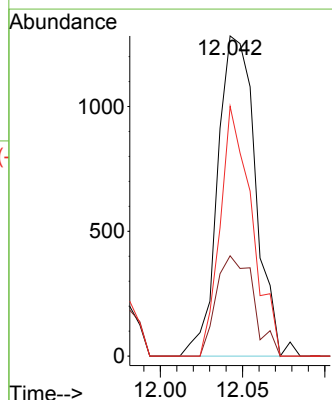
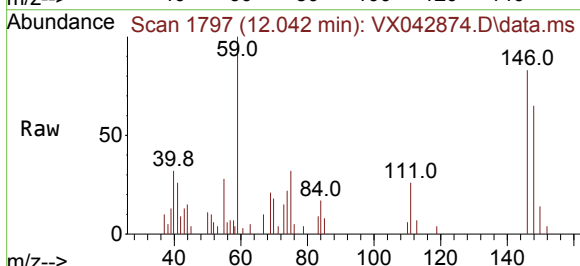
Tgt Ion:146 Resp: 2036

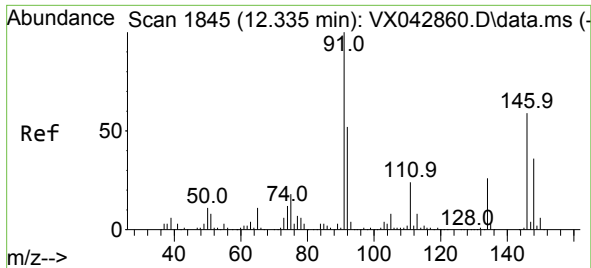
Ion Ratio Lower Upper

146 100

111 30.9 19.4 58.4

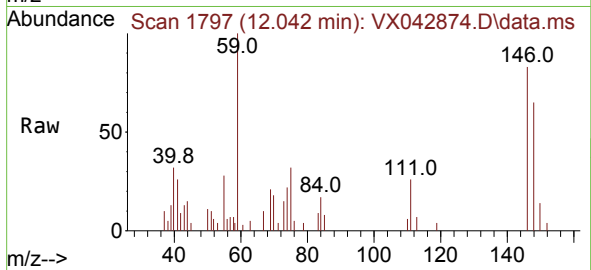
148 65.8 31.4 94.2





#87
 1,2-Dichlorobenzene
 Concen: 0.380 ug/l
 RT: 12.042 min Scan# 11
 Delta R.T. -0.292 min
 Lab File: VX042874.D
 Acq: 06 Aug 2024 16:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:146	Resp:	2036	
Ion	Ratio	Lower	Upper
146	100		
111	30.9	21.0	63.0
148	65.8	30.8	92.4

