

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042524\
 Data File : VN081859.D
 Acq On : 25 Apr 2024 18:40
 Operator : JC\MD
 Sample : P2257-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 413C

Quant Time: Apr 26 05:39:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

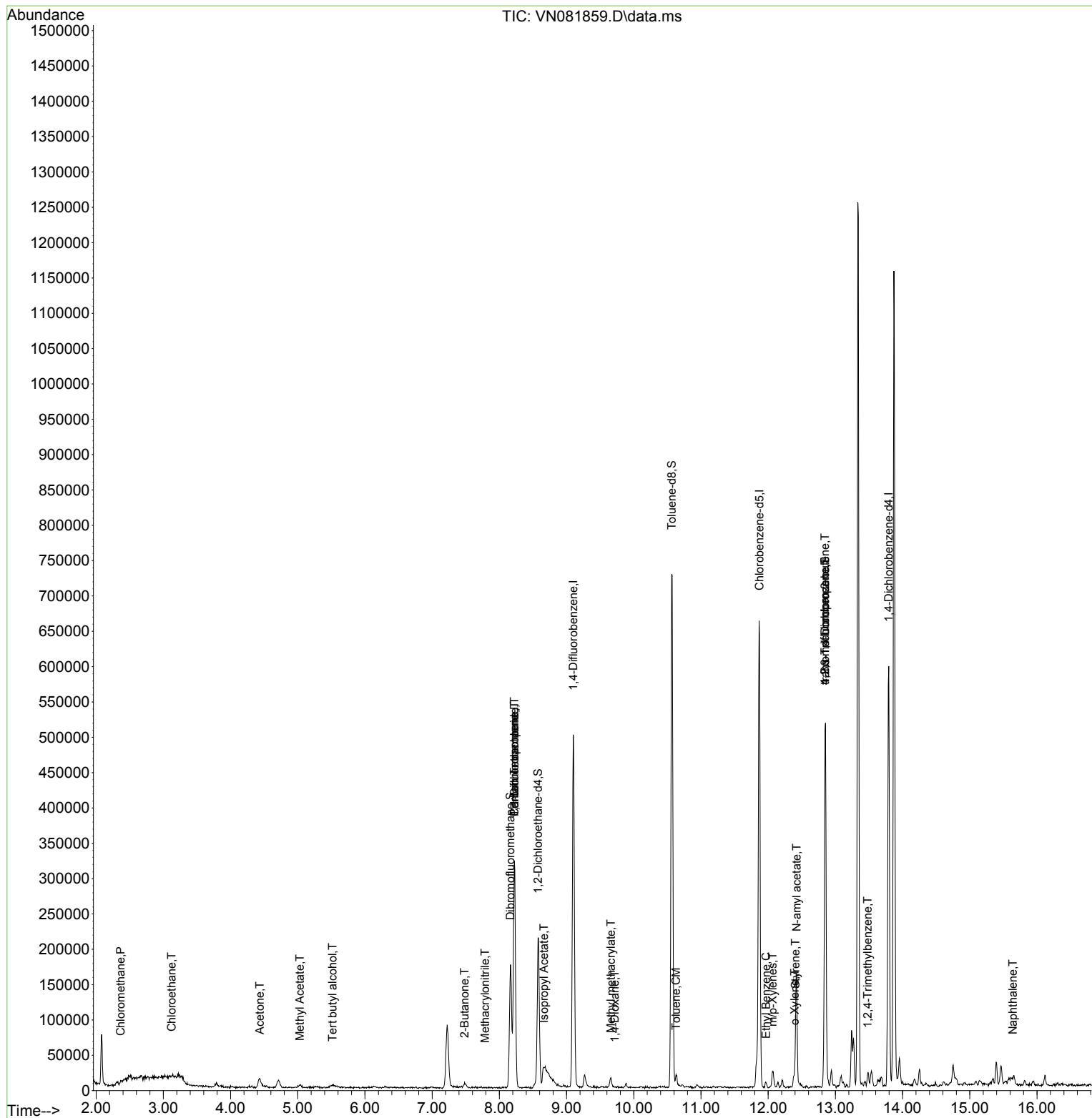
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	217518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	410173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	364495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	168862	45.997	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.000%
35) Dibromofluoromethane	8.165	113	124192	50.288	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.580%
50) Toluene-d8	10.565	98	499749	51.525	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.040%
62) 4-Bromofluorobenzene	12.847	95	187521	48.908	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	97.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	861	0.270	ug/l #	23
5) Bromomethane	2.936	94	59	Below Cal	#	77
6) Chloroethane	3.124	64	1206	0.828	ug/l #	44
11) Tert butyl alcohol	5.518	59	6601	9.891	ug/l #	89
13) Acrolein	4.183	56	360	Below Cal	#	1
16) Acetone	4.436	43	25418	18.348	ug/l #	88
18) Methyl Acetate	5.030	43	7085	1.905	ug/l	90
25) 2-Butanone	7.483	43	10494	5.036	ug/l #	73
36) 1,1-Dichloropropene	8.224	75	19856	4.942	ug/l #	49
38) Carbon Tetrachloride	8.224	117	24102	6.138	ug/l #	16
41) Methacrylonitrile	7.788	41	556	0.201	ug/l #	40
43) Isopropyl Acetate	8.665	43	23445	2.870	ug/l #	55
48) Methyl methacrylate	9.659	41	5044	1.294	ug/l #	42
49) 1,4-Dioxane	9.718	88	606	10.225	ug/l #	48
52) Toluene	10.629	92	6373	0.882	ug/l	97
67) Ethyl Benzene	11.971	91	5295	0.358	ug/l #	73
68) m/p-Xylenes	12.065	106	7018	1.329	ug/l	86
69) o-Xylene	12.394	106	3329	0.646	ug/l	79
70) Styrene	12.406	104	2042	0.229	ug/l #	59
74) N-amyl acetate	12.423	43	29091	3.917	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	102931	26.461	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	102931	54.222	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	4159	0.369	ug/l	91
95) Naphthalene	15.641	128	4082	0.387	ug/l #	74

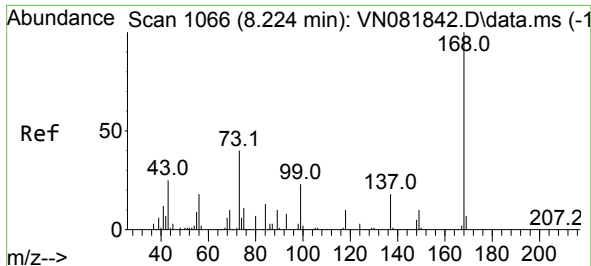
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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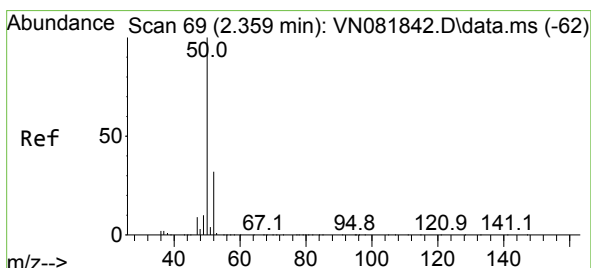
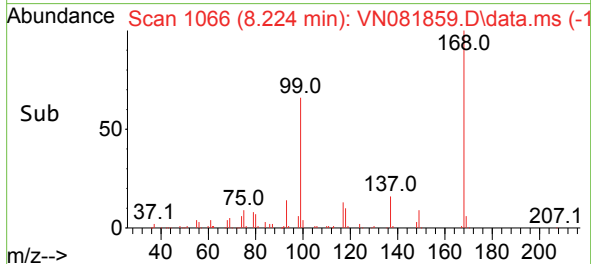
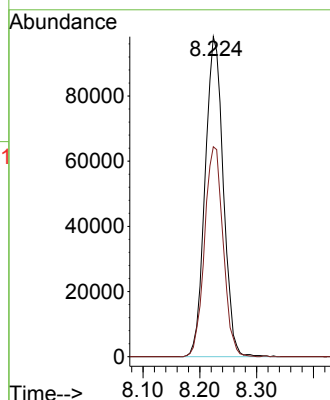
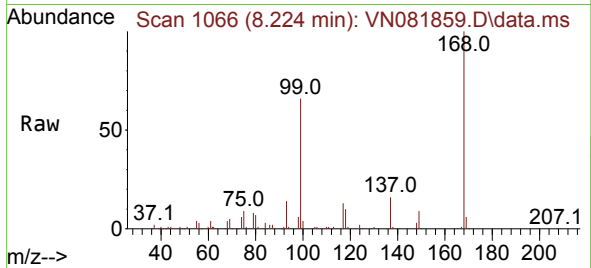




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

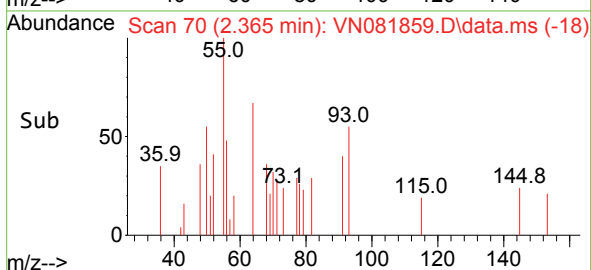
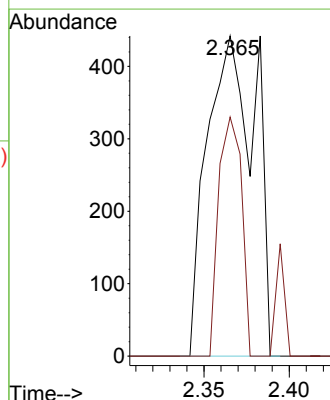
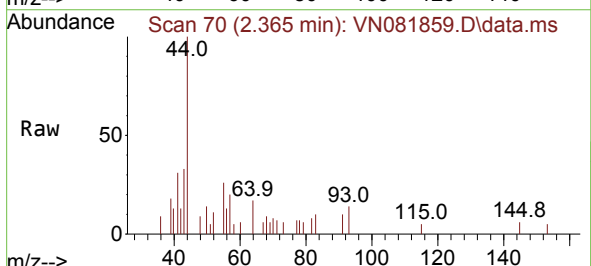
Instrument :
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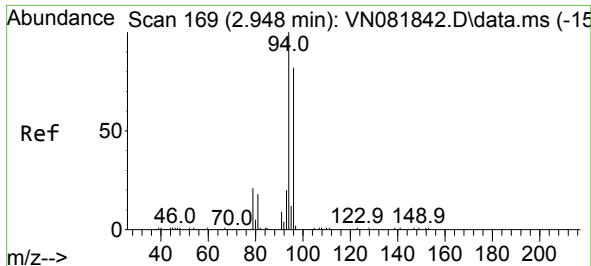
Tgt Ion:168 Resp: 217518
Ion Ratio Lower Upper
168 100
99 65.6 48.2 72.4



#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 50 Resp: 861
Ion Ratio Lower Upper
50 100
52 74.7 25.5 38.3#

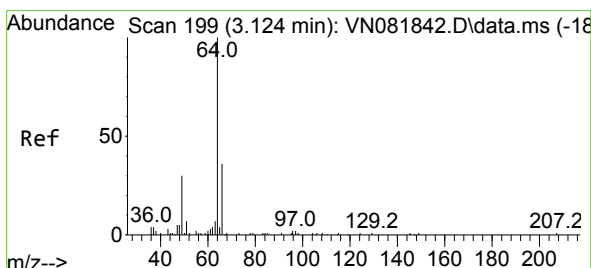
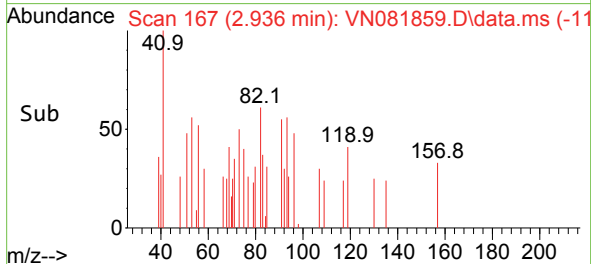
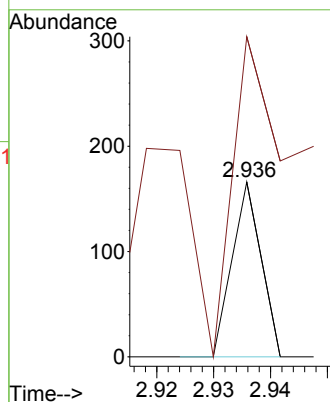
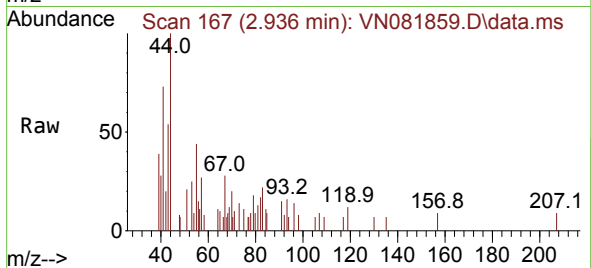




#5
Bromomethane
Concen: Below Cal
RT: 2.936 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

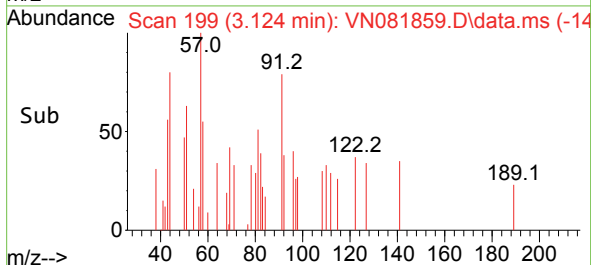
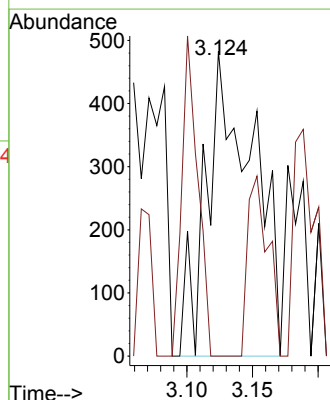
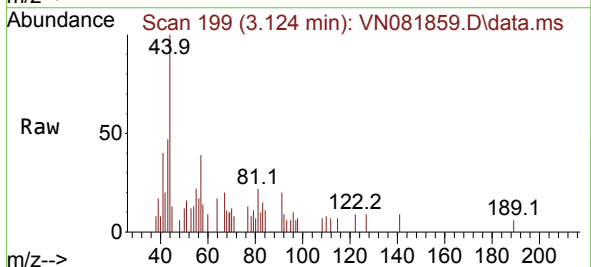
Instrument :
MSVOA_N
ClientSampleId :
413C

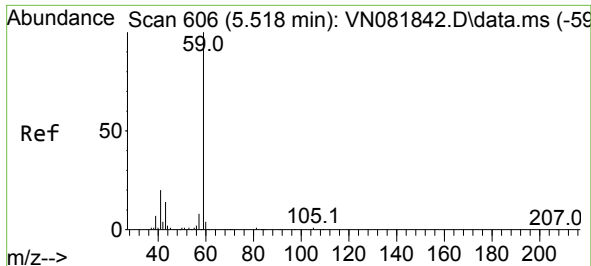
Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 71.1 74.8 112.2#



#6
Chloroethane
Concen: 0.828 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 64 Resp: 1206
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

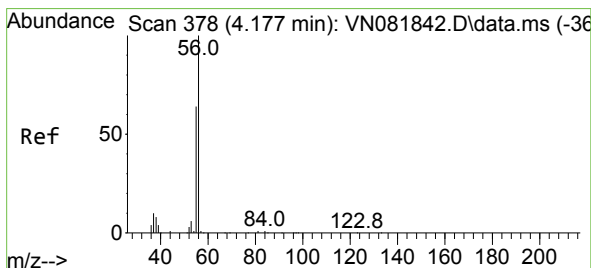
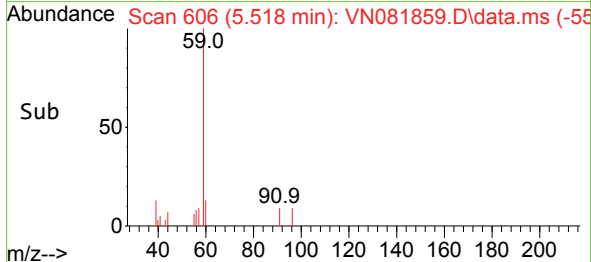
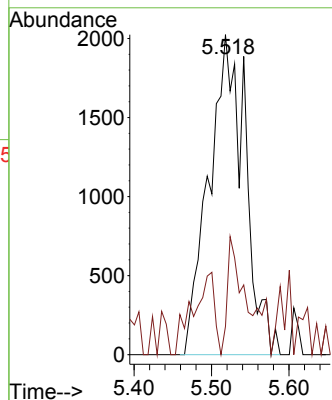
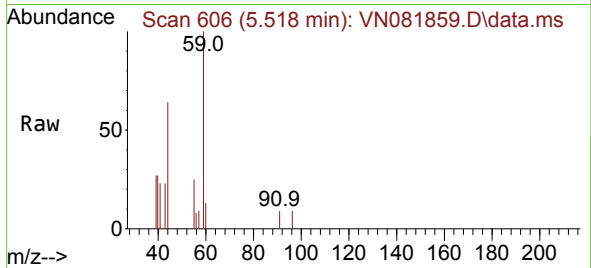




#11
Tert butyl alcohol
Concen: 9.891 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

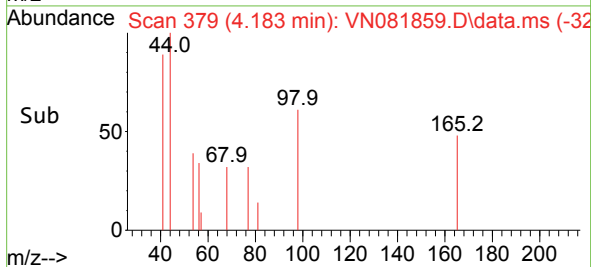
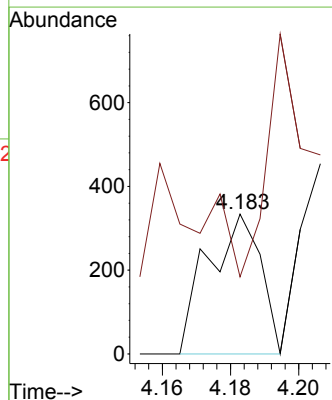
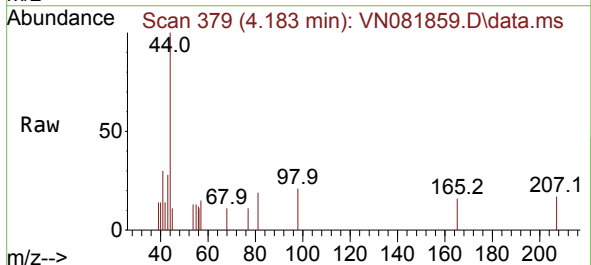
Instrument :
MSVOA_N
ClientSampleId :
413C

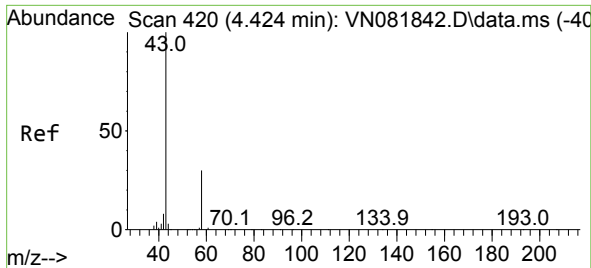
Tgt Ion: 59 Resp: 6601
Ion Ratio Lower Upper
59 100
57 15.4 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 170.6 55.8 83.8#

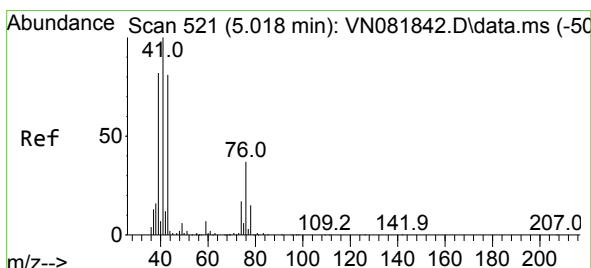
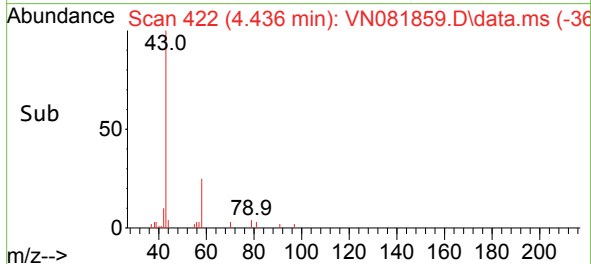
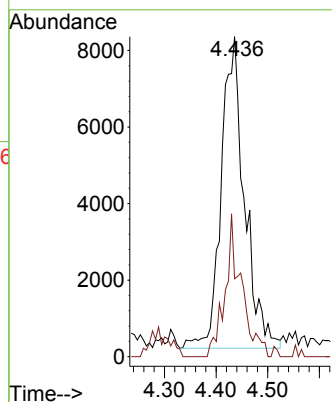
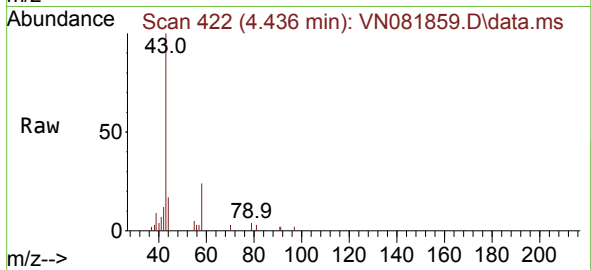




#16
Acetone
Concen: 18.348 ug/l
RT: 4.436 min Scan# 413
Delta R.T. 0.012 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

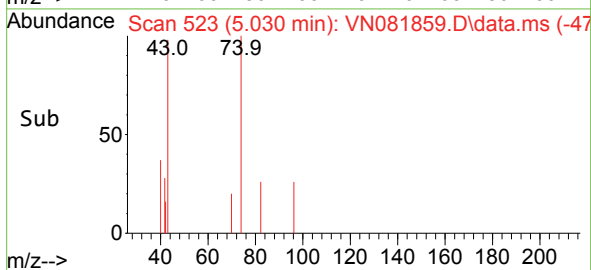
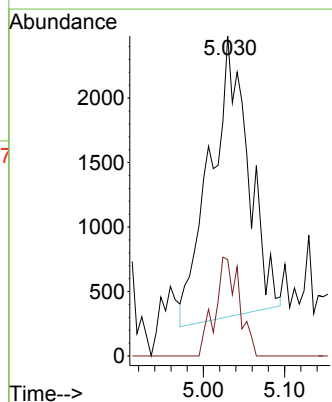
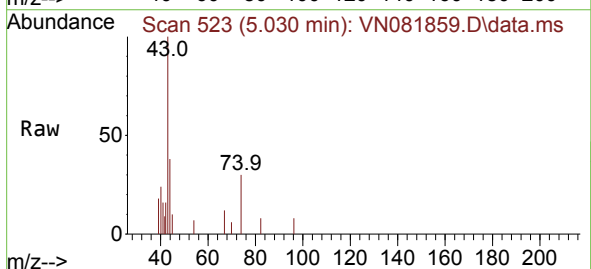
Instrument :
MSVOA_N
ClientSampleId :
413C

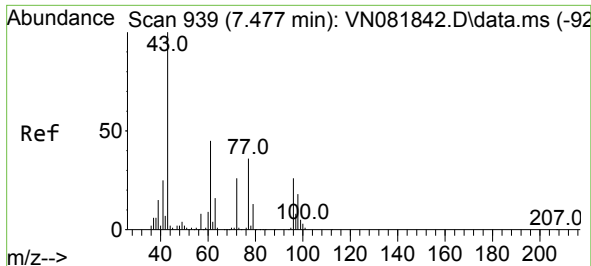
Tgt Ion: 43 Resp: 25418
Ion Ratio Lower Upper
43 100
58 25.0 25.2 37.8#



#18
Methyl Acetate
Concen: 1.905 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 43 Resp: 7085
Ion Ratio Lower Upper
43 100
74 22.3 22.2 33.2

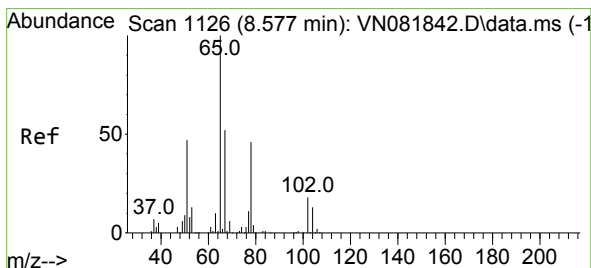
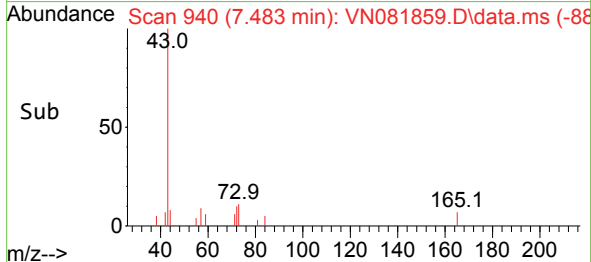
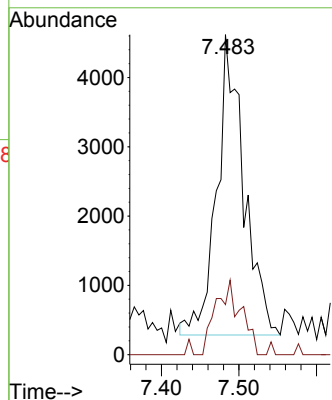
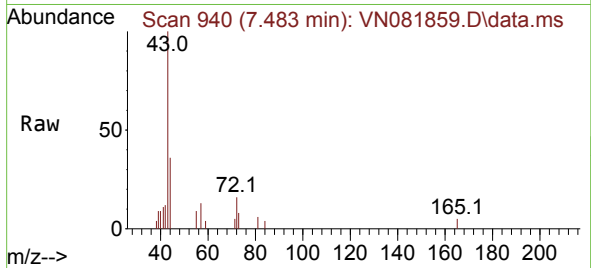




#25
2-Butanone
Concen: 5.036 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

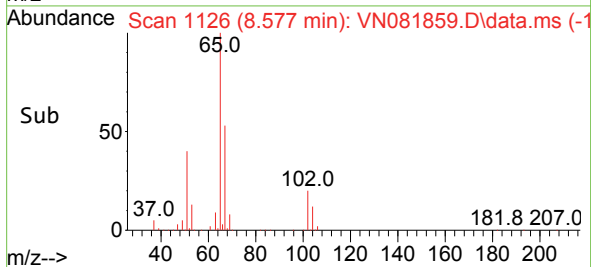
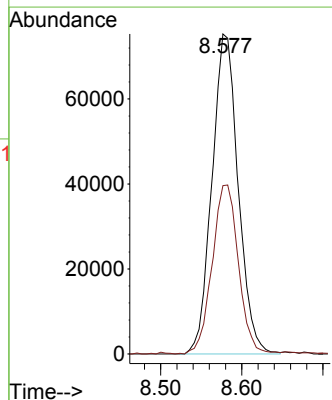
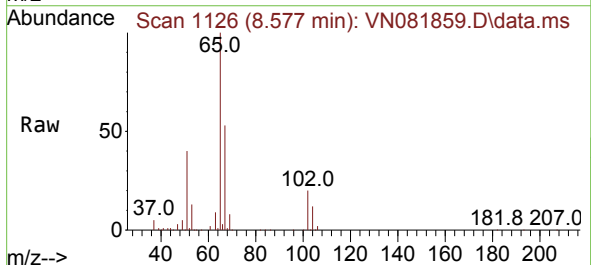
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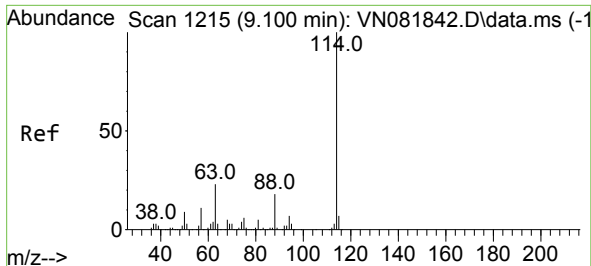
Tgt Ion: 43 Resp: 10494
Ion Ratio Lower Upper
43 100
72 16.7 25.3 37.9#



#33
1,2-Dichloroethane-d4
Concen: 45.997 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 65 Resp: 168862
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0

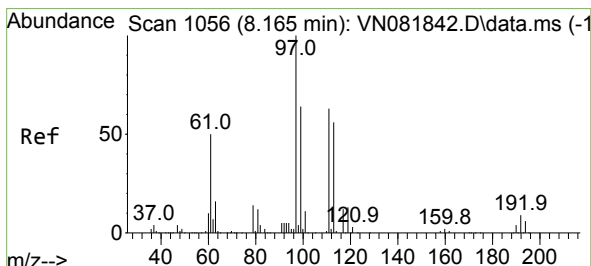
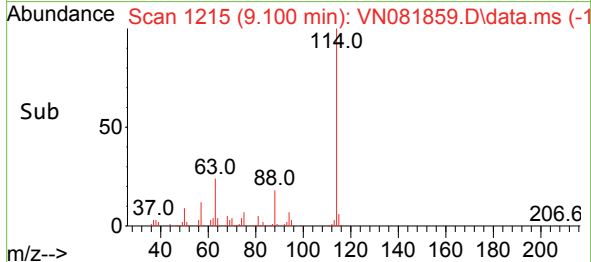
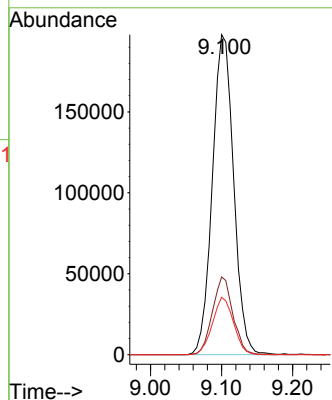
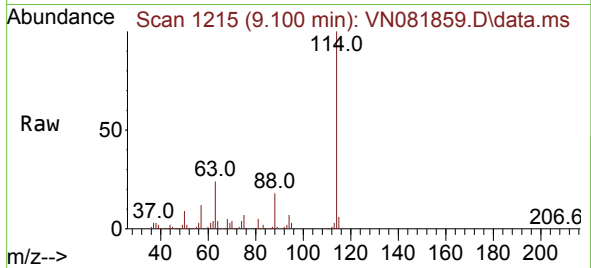




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

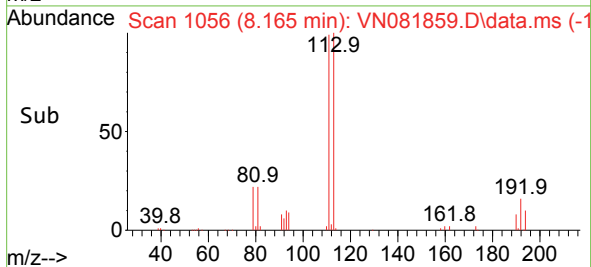
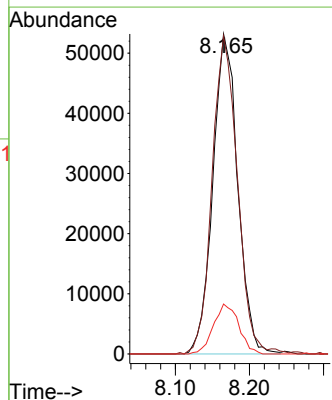
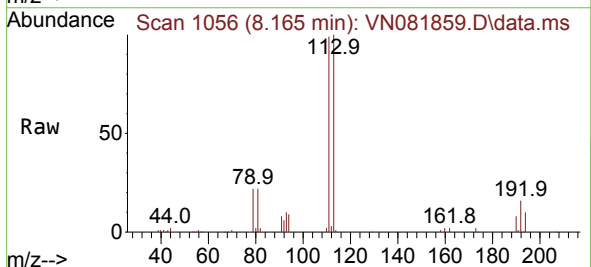
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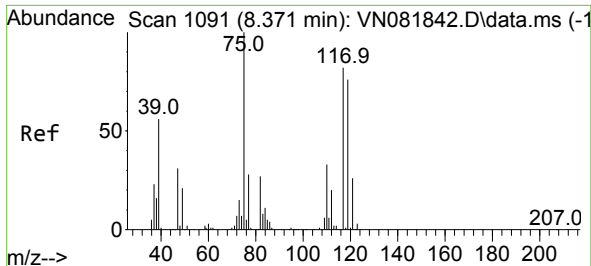
Tgt Ion:114 Resp: 410173
Ion Ratio Lower Upper
114 100
63 24.3 0.0 41.0
88 18.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.288 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion:113 Resp: 124192
Ion Ratio Lower Upper
113 100
111 101.0 83.4 125.2
192 15.9 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081859.D

Acq: 25 Apr 2024 18:40

Instrument :

MSVOA_N

ClientSampleId :

413C

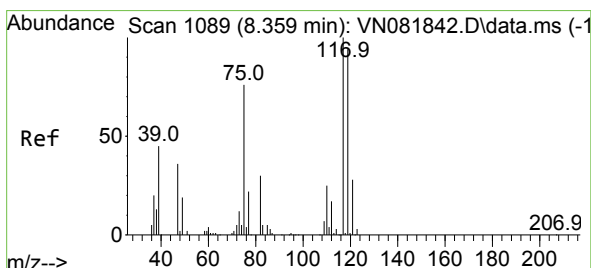
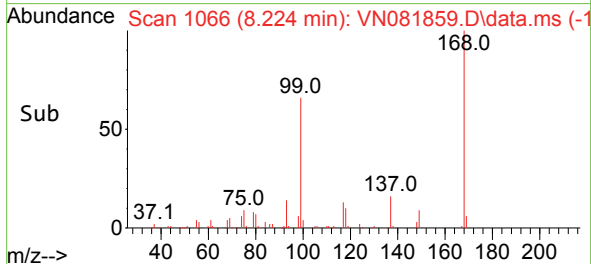
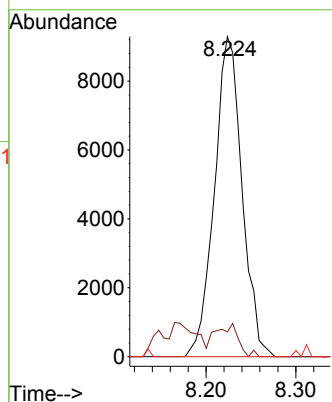
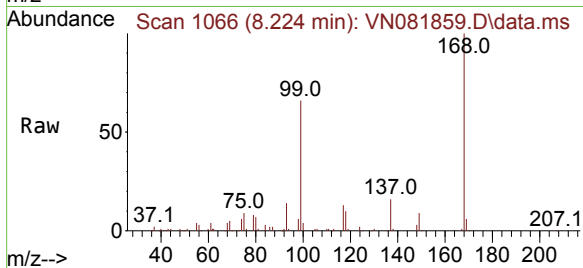
Tgt Ion: 75 Resp: 19856

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.138 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081859.D

Acq: 25 Apr 2024 18:40

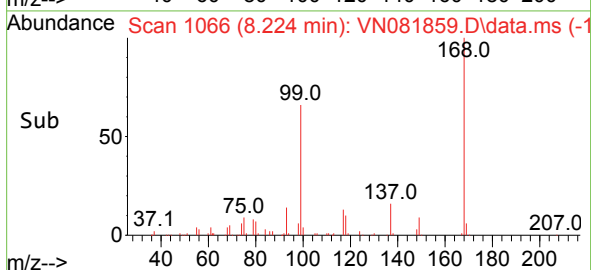
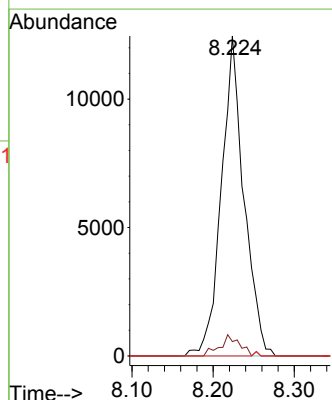
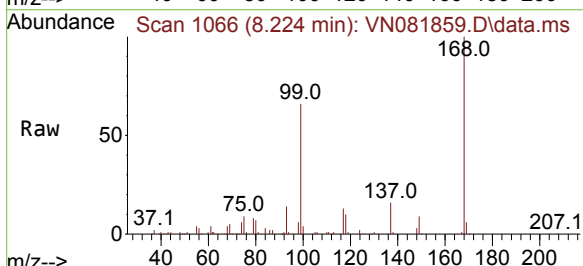
Tgt Ion: 117 Resp: 24102

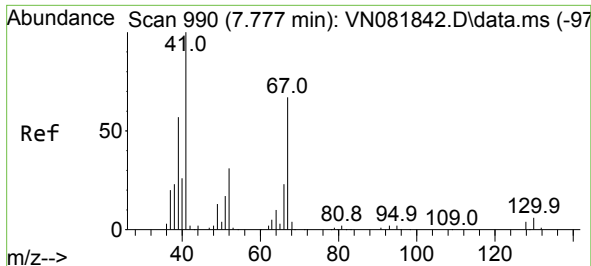
Ion Ratio Lower Upper

117 100

119 4.5 76.5 114.7#

121 0.0 23.9 35.9#

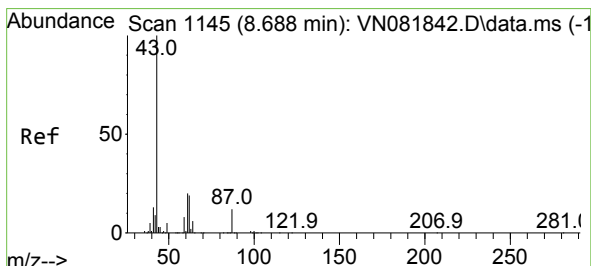
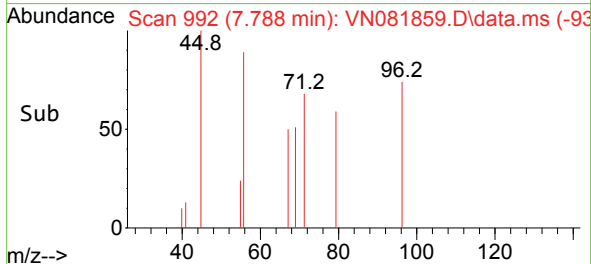
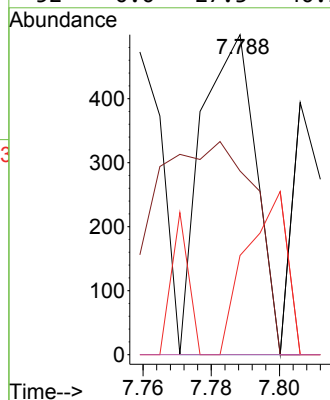
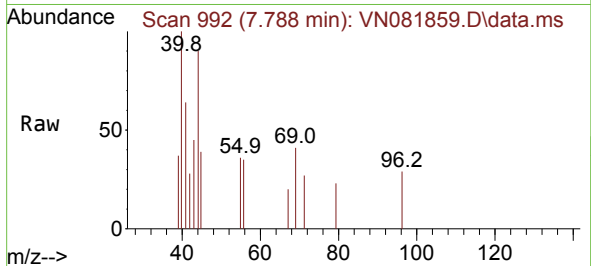




#41
Methacrylonitrile
Concen: 0.201 ug/l
RT: 7.788 min Scan# 990
Delta R.T. 0.012 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

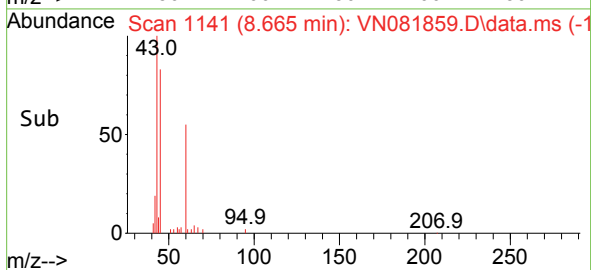
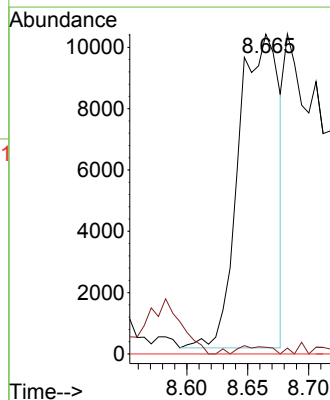
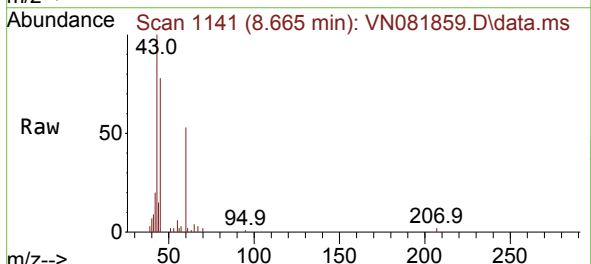
Instrument :
MSVOA_N
ClientSampleId :
413C

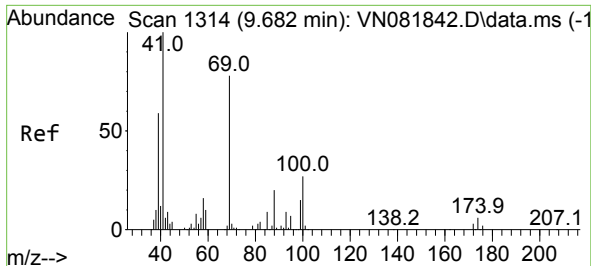
Tgt Ion: 41	Resp: 556
Ion Ratio	Lower Upper
41 100	
39 113.5	46.6 69.8#
67 38.1	67.3 100.9#
52 0.0	27.3 40.9#



#43
Isopropyl Acetate
Concen: 2.870 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.023 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 43	Resp: 23445
Ion Ratio	Lower Upper
43 100	
61 2.2	22.8 34.2#
87 0.0	12.0 18.0#

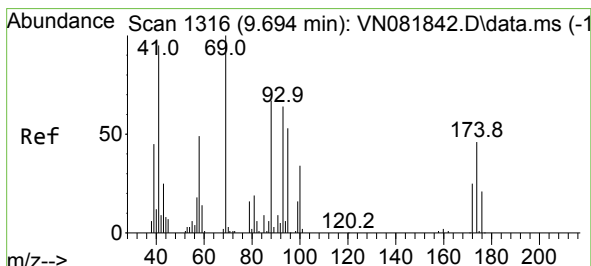
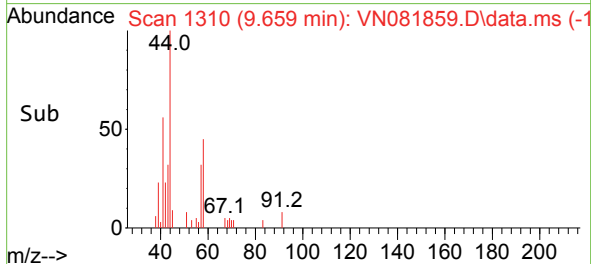
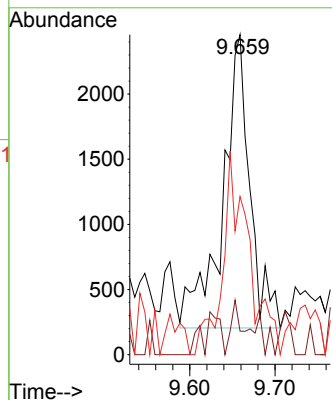
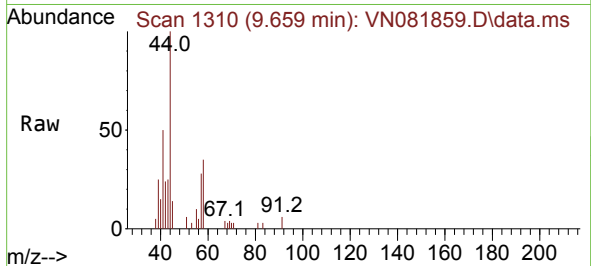




#48
Methyl methacrylate
Concen: 1.294 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

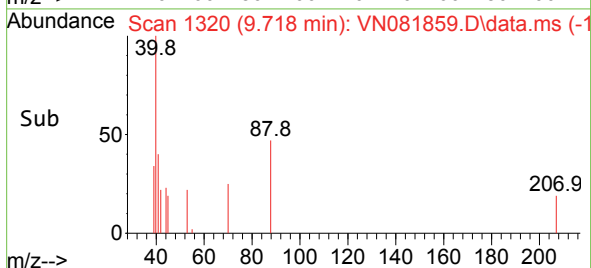
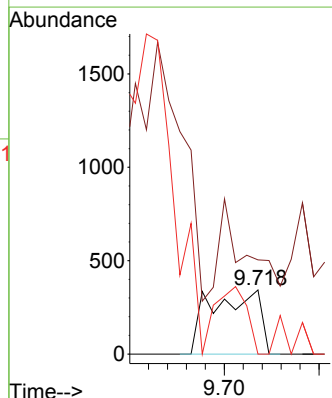
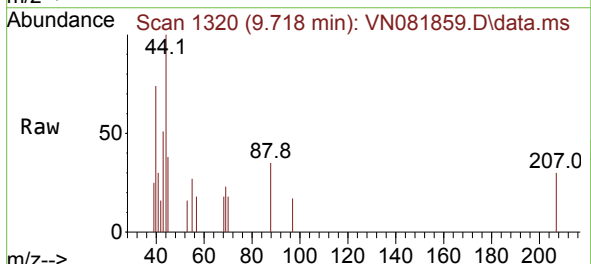
Instrument :
MSVOA_N
ClientSampleId :
413C

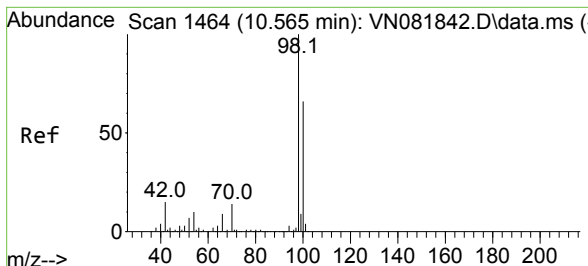
Tgt Ion: 41 Resp: 5044
Ion Ratio Lower Upper
41 100
69 6.7 77.9 116.9#
39 59.0 50.9 76.3



#49
1,4-Dioxane
Concen: 10.225 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.024 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 88 Resp: 606
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 21.8 50.6 76.0#

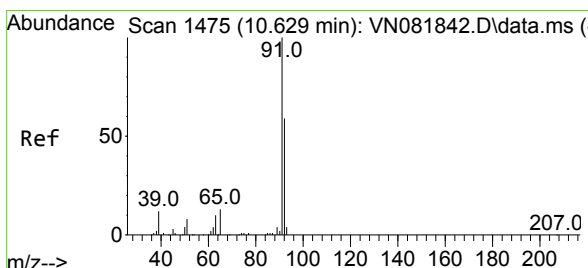
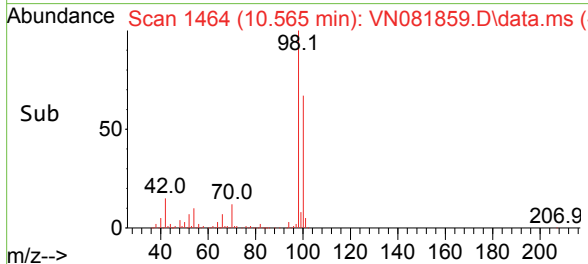
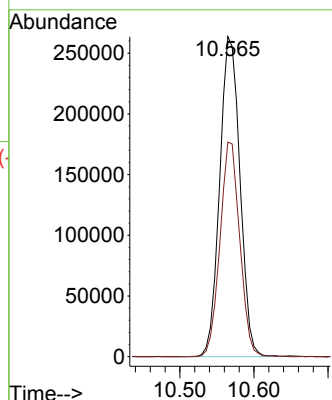
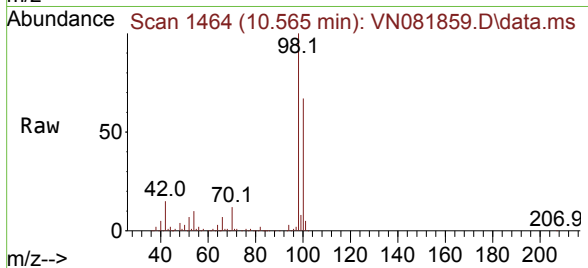




#50
Toluene-d8
Concen: 51.525 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

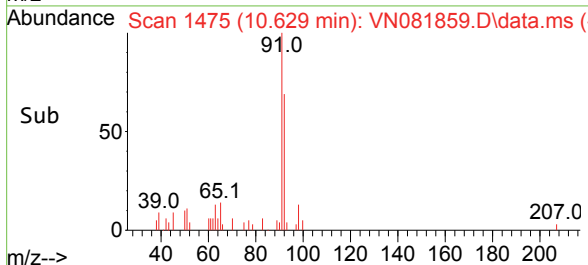
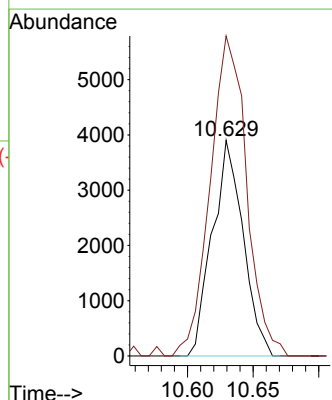
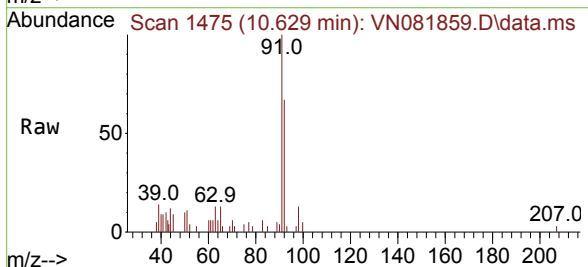
Instrument :
MSVOA_N
ClientSampleId :
413C

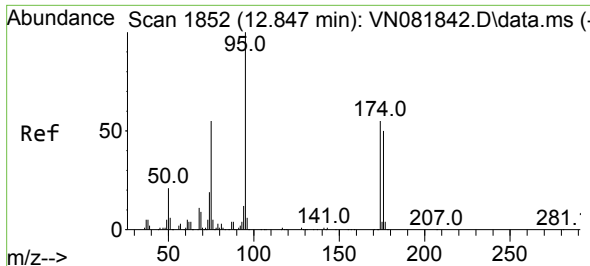
Tgt Ion: 98 Resp: 499749
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.6



#52
Toluene
Concen: 0.882 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 92 Resp: 6373
Ion Ratio Lower Upper
92 100
91 175.3 136.7 205.1

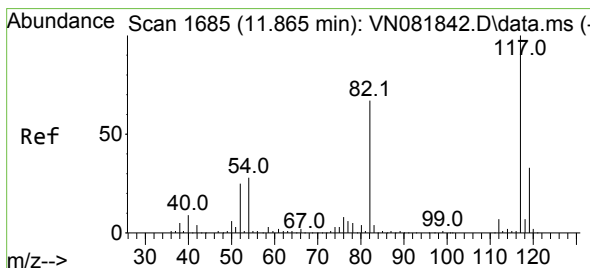
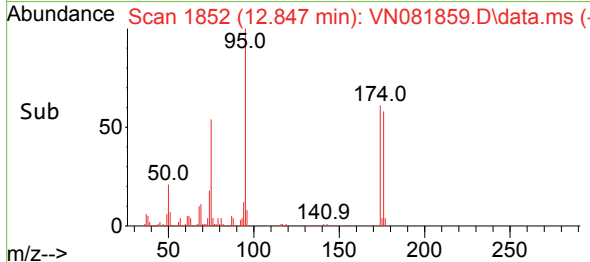
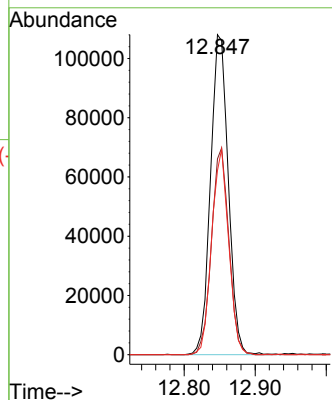
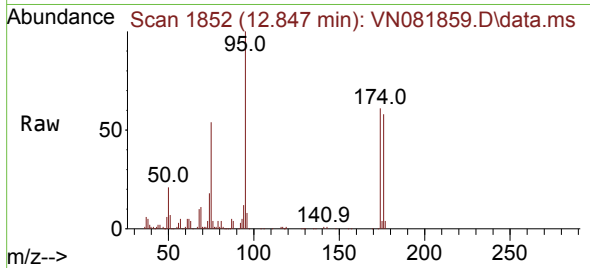




#62
4-Bromofluorobenzene
Concen: 48.908 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

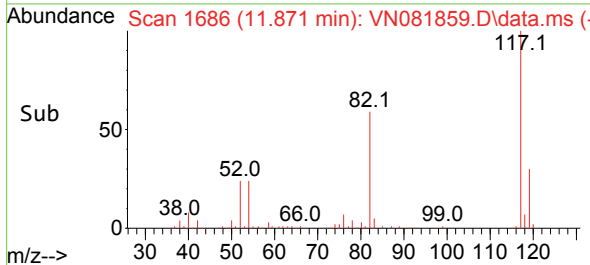
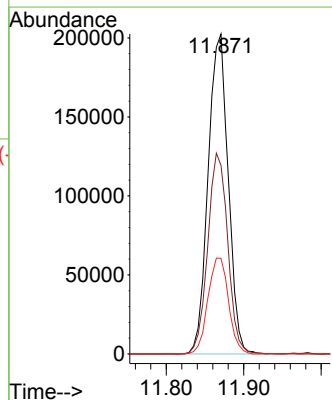
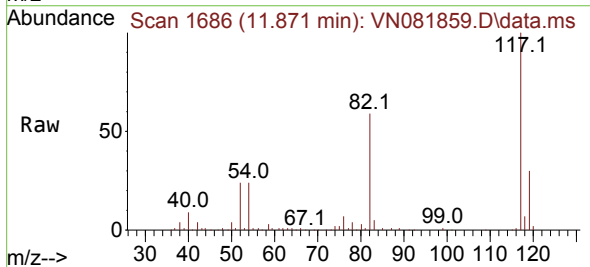
Instrument :
MSVOA_N
ClientSampleId :
413C

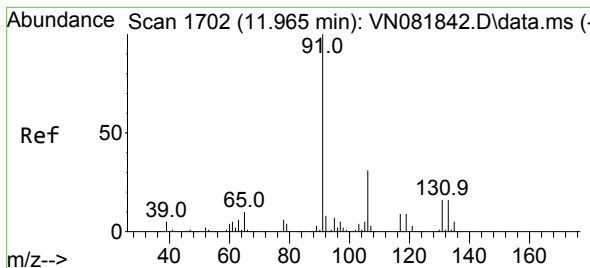
Tgt Ion: 95 Resp: 187521
Ion Ratio Lower Upper
95 100
174 63.1 0.0 160.6
176 61.3 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 117 Resp: 364495
Ion Ratio Lower Upper
117 100
82 58.9 44.6 66.8
119 29.9 25.9 38.9





#67

Ethyl Benzene

Concen: 0.358 ug/l

RT: 11.971 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VN081859.D

Acq: 25 Apr 2024 18:40

Instrument :

MSVOA_N

ClientSampleId :

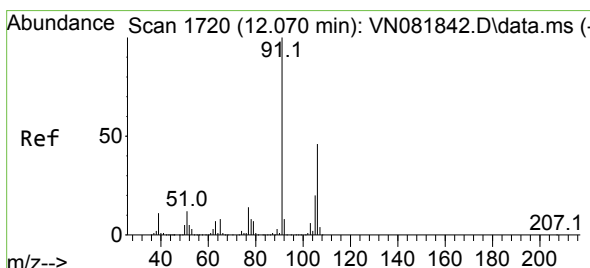
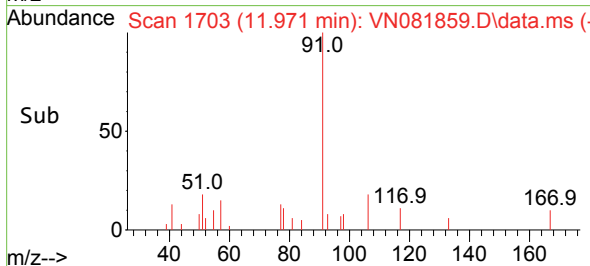
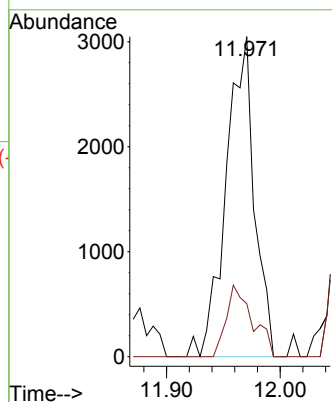
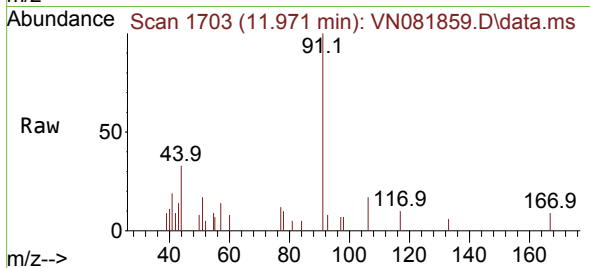
413C

Tgt Ion: 91 Resp: 5295

Ion Ratio Lower Upper

91 100

106 16.6 25.3 37.9#



#68

m/p-Xylenes

Concen: 1.329 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN081859.D

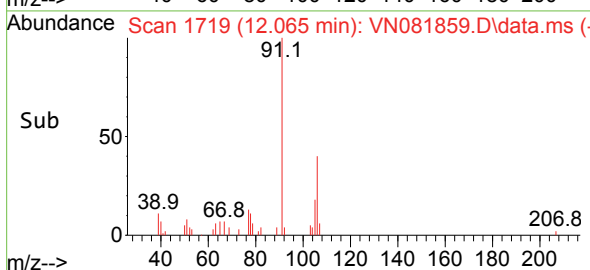
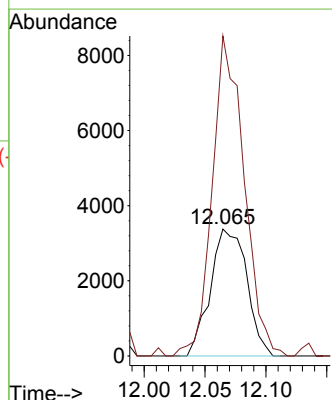
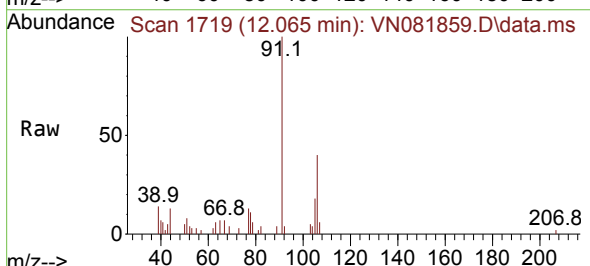
Acq: 25 Apr 2024 18:40

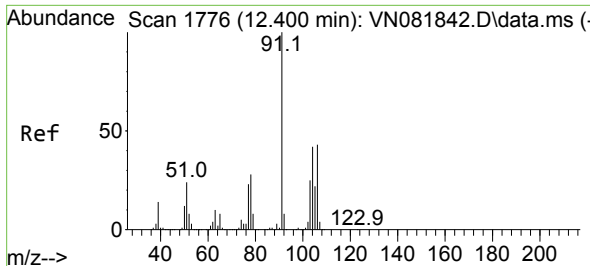
Tgt Ion: 106 Resp: 7018

Ion Ratio Lower Upper

106 100

91 220.7 159.4 239.0

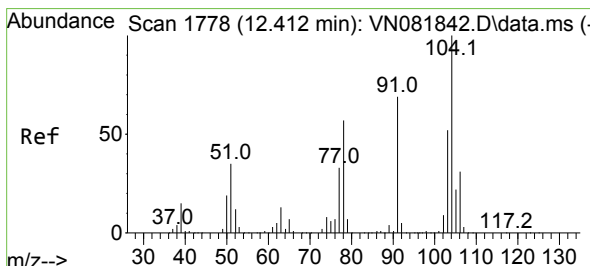
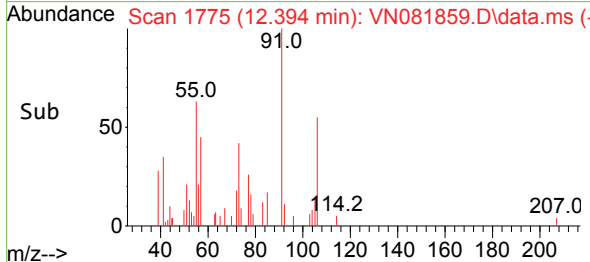
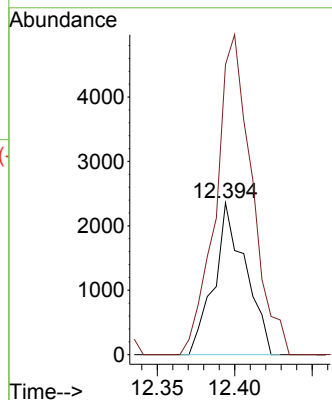
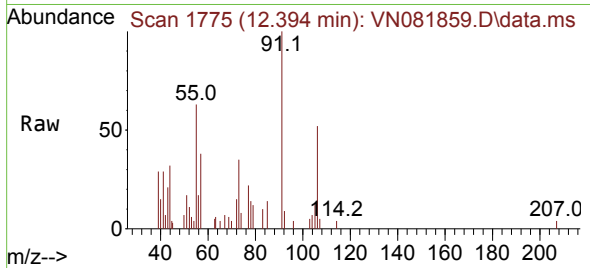




#69
o-Xylene
Concen: 0.646 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

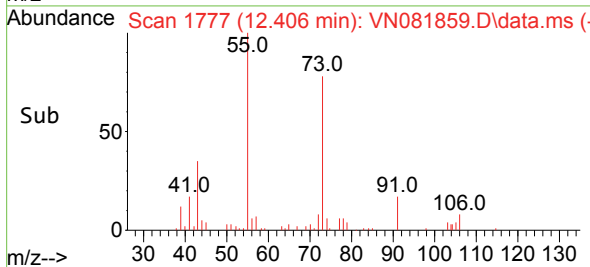
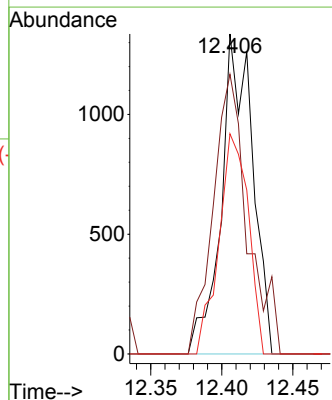
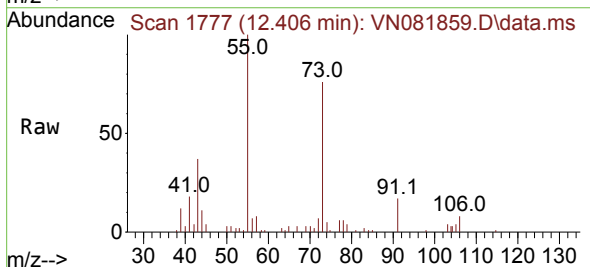
Instrument :
MSVOA_N
ClientSampleId :
413C

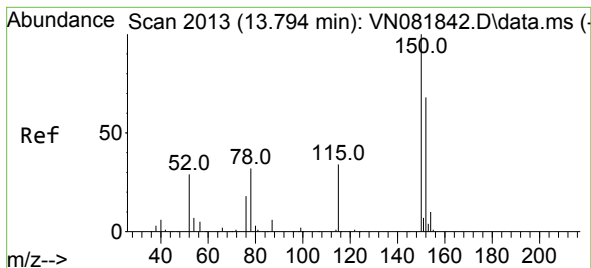
Tgt Ion:106 Resp: 3329
Ion Ratio Lower Upper
106 100
91 241.4 104.7 314.1



#70
Styrene
Concen: 0.229 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion:104 Resp: 2042
Ion Ratio Lower Upper
104 100
78 96.5 38.6 58.0#
103 64.7 43.8 65.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081859.D

Acq: 25 Apr 2024 18:40

Instrument :

MSVOA_N

ClientSampleId :

413C

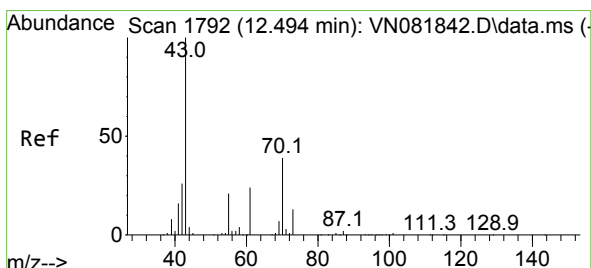
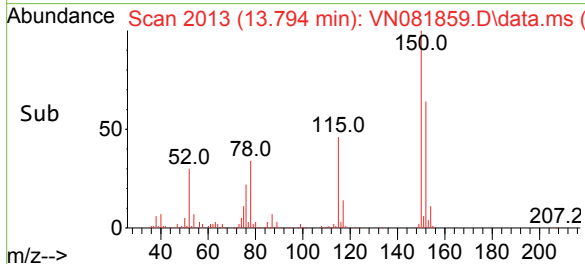
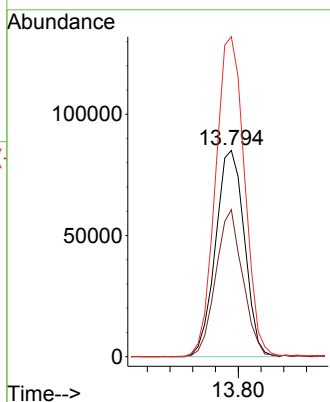
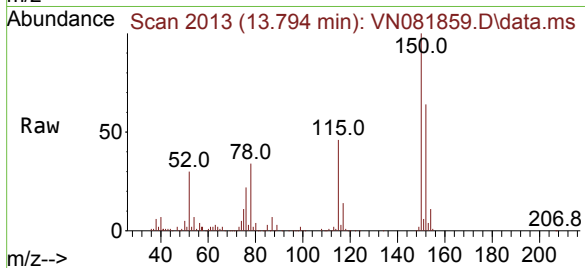
Tgt Ion:152 Resp: 150028

Ion Ratio Lower Upper

152 100

115 67.0 30.4 91.3

150 157.0 0.0 353.2



#74

N-ethyl acetate

Concen: 3.917 ug/l

RT: 12.423 min Scan# 1780

Delta R.T. -0.071 min

Lab File: VN081859.D

Acq: 25 Apr 2024 18:40

Tgt Ion: 43 Resp: 29091

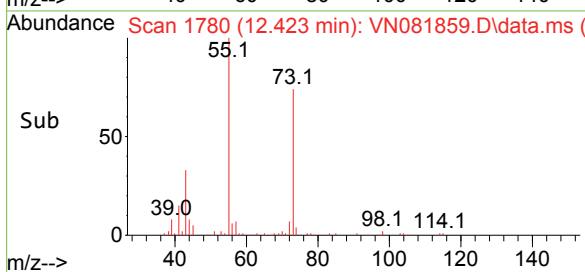
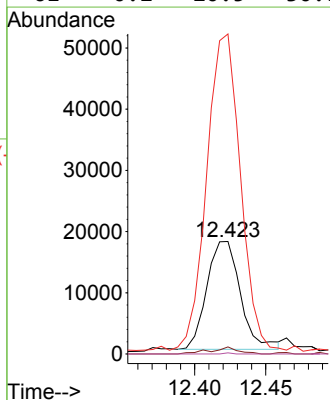
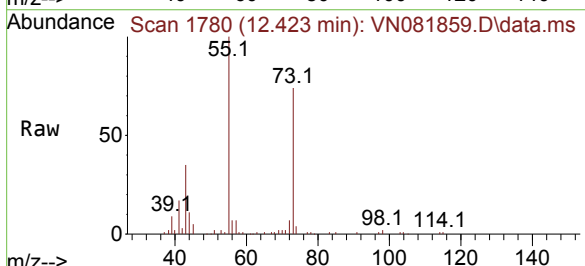
Ion Ratio Lower Upper

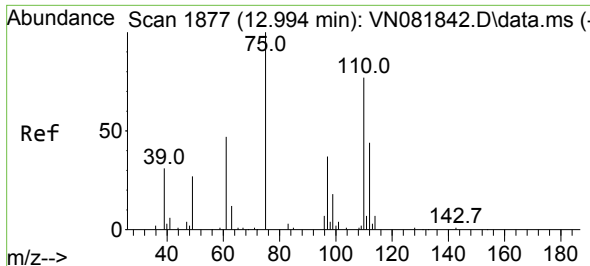
43 100

70 5.3 39.0 58.4#

55 309.3 21.3 31.9#

61 0.2 20.5 30.7#

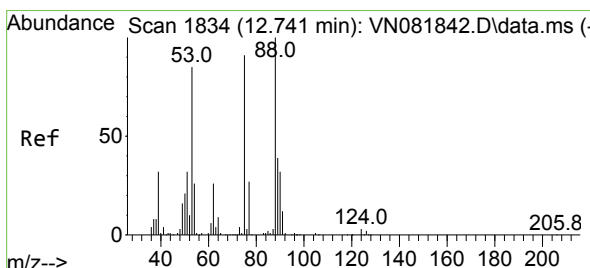
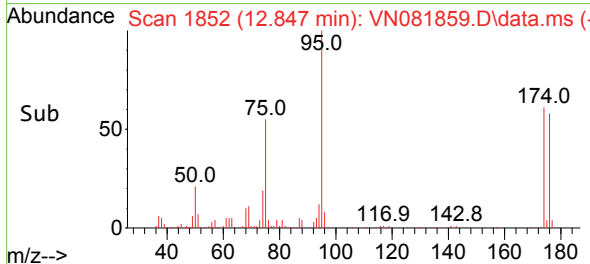
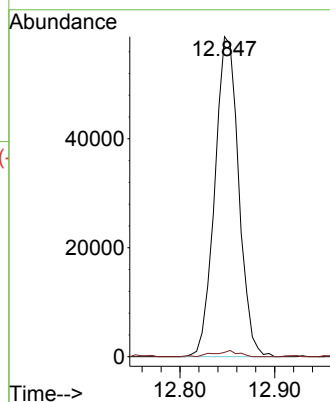
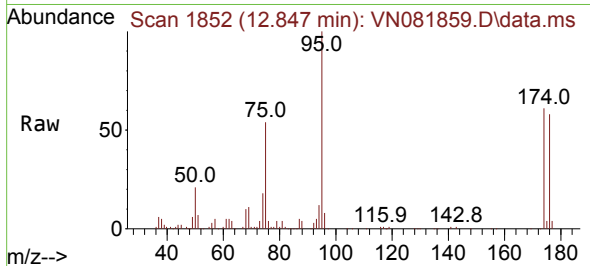




#76
1,2,3-Trichloropropane
Concen: 26.461 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

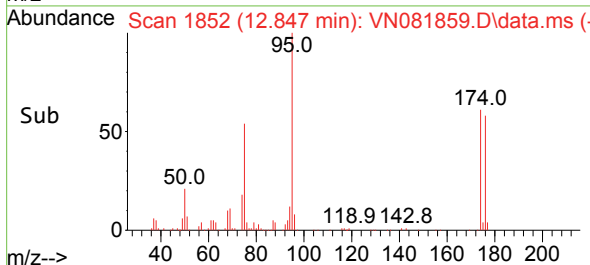
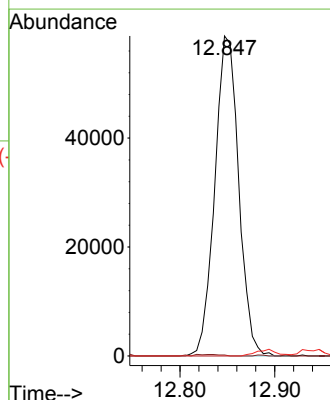
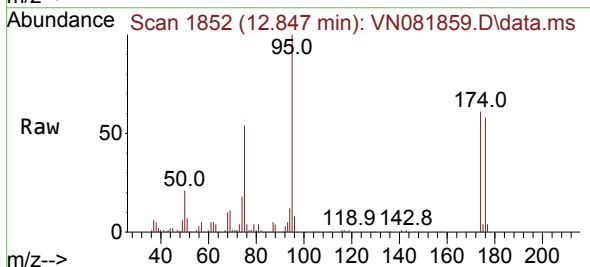
Instrument :
MSVOA_N
ClientSampleId :
413C

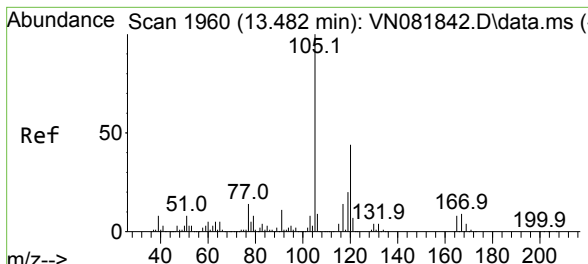
Tgt Ion: 75 Resp: 102931
Ion Ratio Lower Upper
75 100
77 2.0 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.222 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081859.D
Acq: 25 Apr 2024 18:40

Tgt Ion: 75 Resp: 102931
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

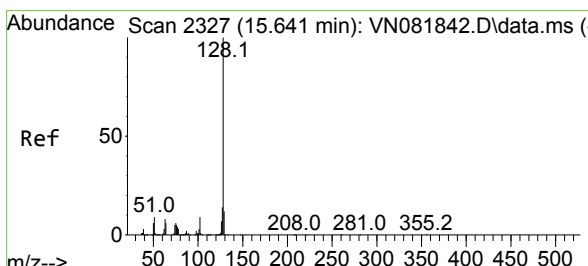
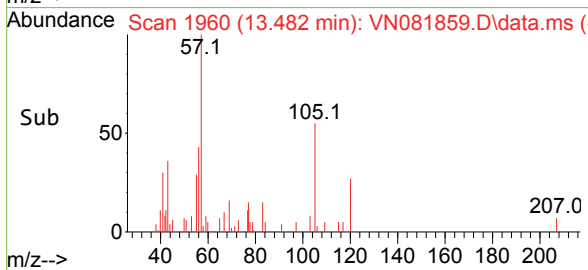
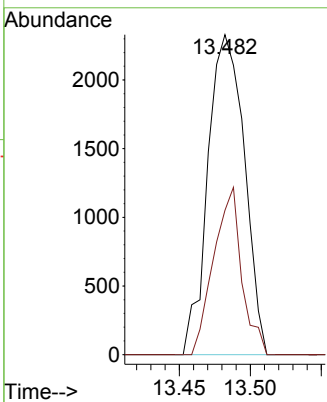
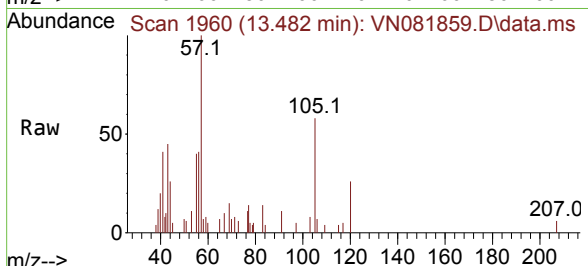




#84
 1,2,4-Trimethylbenzene
 Concen: 0.369 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081859.D
 Acq: 25 Apr 2024 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 413C

Tgt Ion:	105	Resp:	4159
Ion Ratio	Lower	Upper	
105	100		
120	40.1	22.9	68.7



#95
 Naphthalene
 Concen: 0.387 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN081859.D
 Acq: 25 Apr 2024 18:40

Tgt Ion:	128	Resp:	4082
Ion Ratio	Lower	Upper	
128	100		
127	6.8	10.1	15.1#
129	25.9	8.9	13.3#

