

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082031.D
 Acq On : 08 May 2024 16:49
 Operator : JC\MD
 Sample : P2426-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240426002-01

Quant Time: May 09 01:04:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

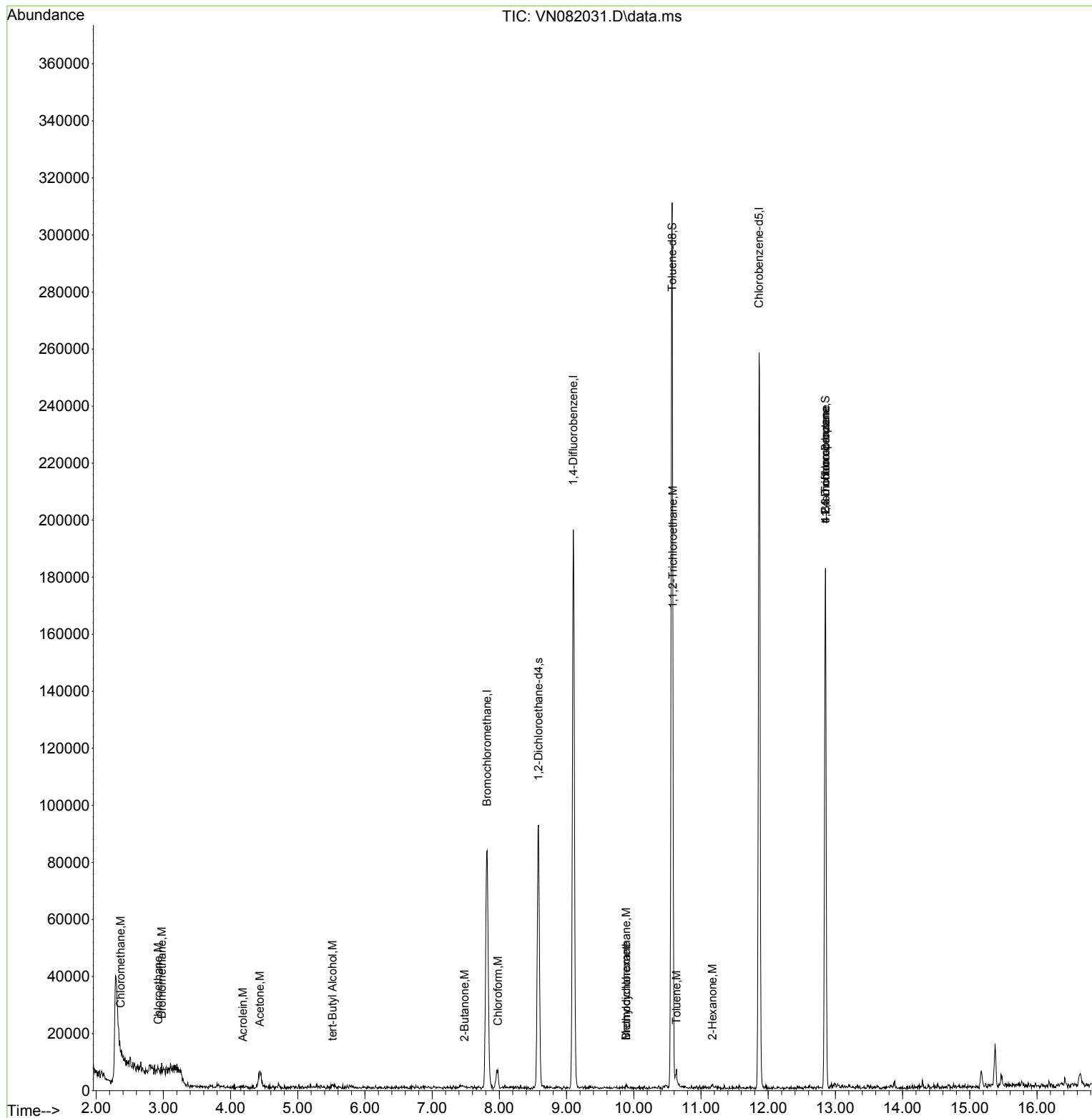
Internal Standards						
1) Bromochloromethane	7.818	128	27532	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	162894	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	140249	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	71691	31.101	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.667%			
60) 4-Bromofluorobenzene	12.853	95	62763	26.890	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.633%			
63) Toluene-d8	10.571	98	204183	30.656	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.200%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	430	0.237	ug/l #	43
5) Bromomethane	2.977	94	319	0.357	ug/l #	4
6) Chloroethane	2.924	64	855	0.882	ug/l	94
13) Acrolein	4.183	56	210	0.470	ug/l	97
15) Acetone	4.436	58	2328	10.819	ug/l #	29
23) tert-Butyl Alcohol	5.518	59	1234	3.120	ug/l #	100
25) Chloroform	7.977	83	3077	0.925	ug/l #	80
30) 2-Butanone	7.482	43	605	0.484	ug/l #	52
38) Methylcyclohexane	9.888	83	609	0.208	ug/l #	19
41) Bromodichloromethane	9.888	83	696	0.255	ug/l #	90
50) 1,1,2-Trichloroethane	10.582	97	3513	2.030	ug/l #	1
59) 2-Hexanone	11.171	43	1186	0.587	ug/l #	28
62) Toluene	10.635	91	3829	0.485	ug/l	99
72) 1,2,3-Trichloropropane	12.853	75	36262	16.726	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	36262	37.578	ug/l #	12

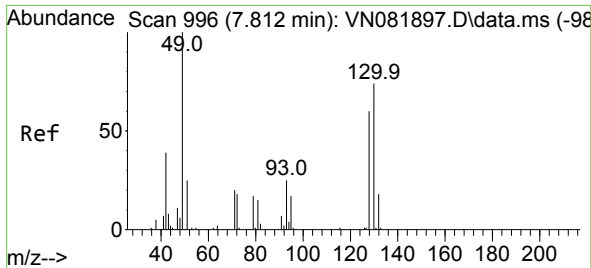
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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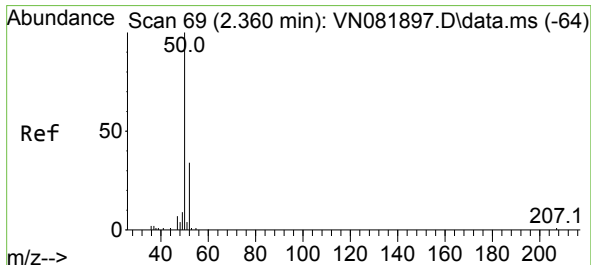
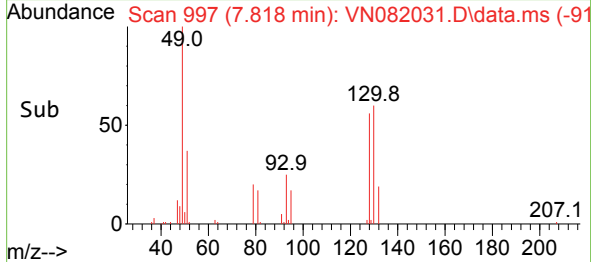
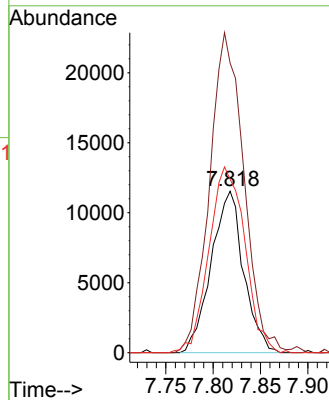
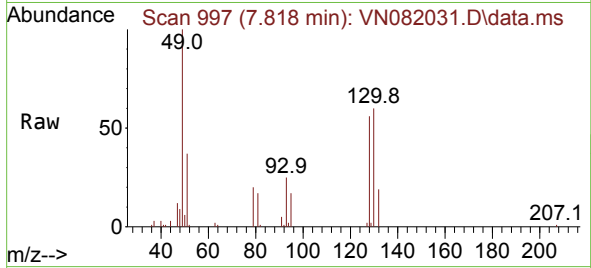




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

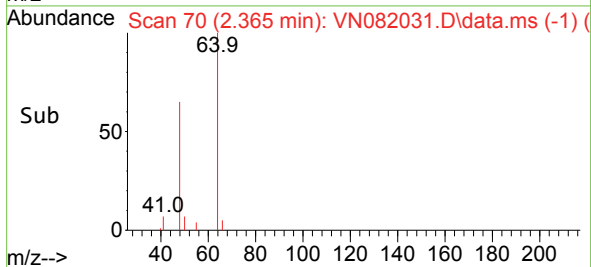
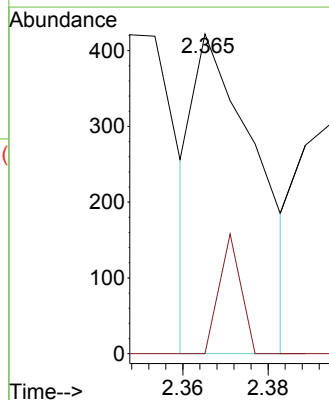
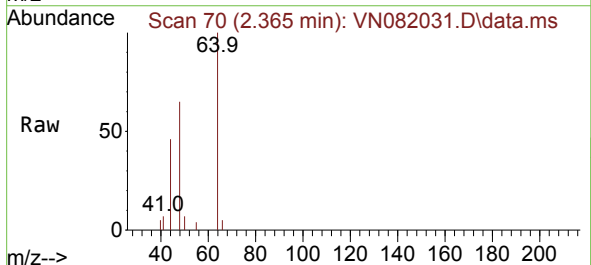
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MSVOA_N
ClientSampleId :
240426002-01

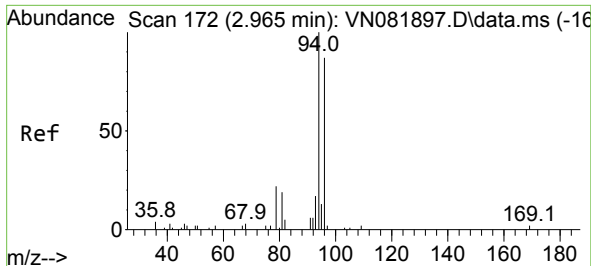
Tgt Ion:128 Resp: 27532
Ion Ratio Lower Upper
128 100
49 206.7 0.0 403.7
130 127.1 0.0 323.3



#3
Chloromethane
Concen: 0.237 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 50 Resp: 430
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

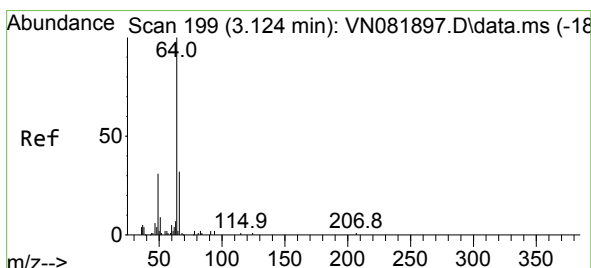
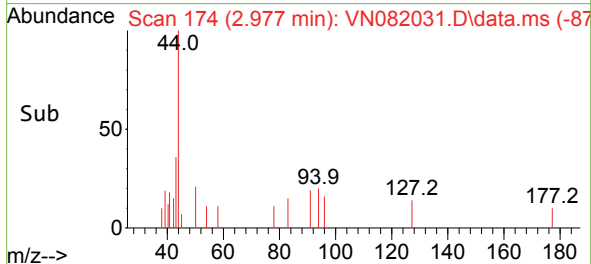
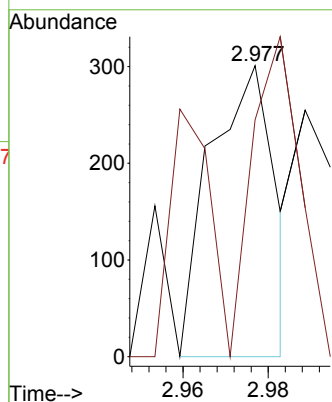
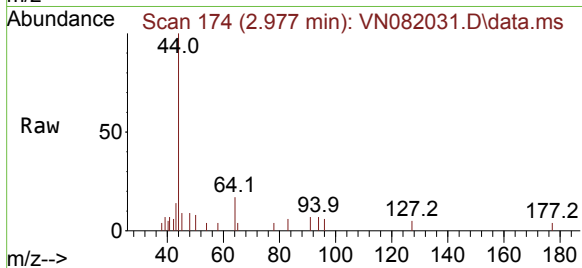




#5
Bromomethane
Concen: 0.357 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

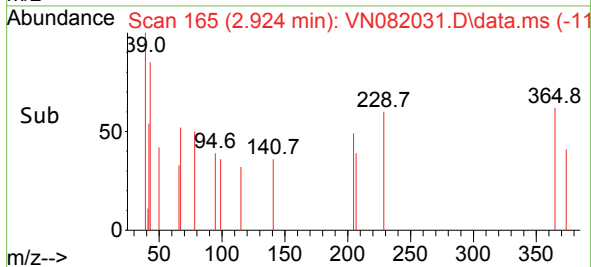
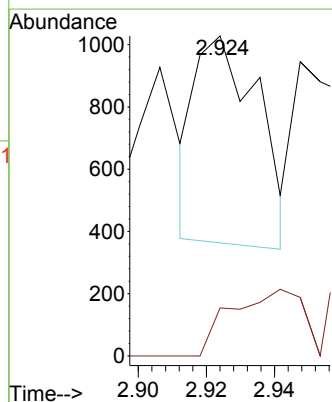
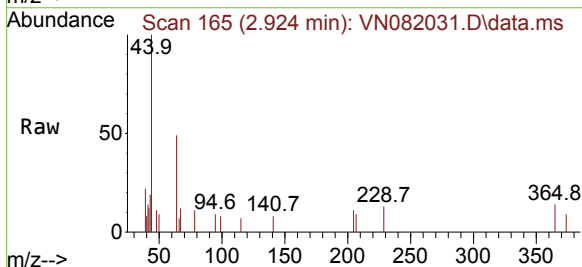
Instrument :
MSVOA_N
ClientSampleId :
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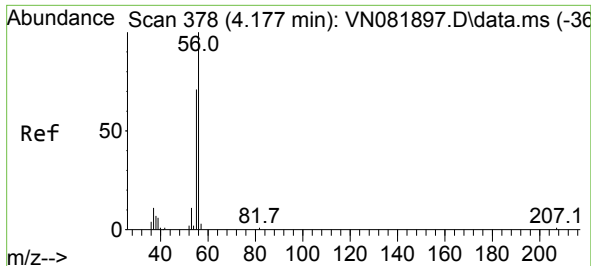
Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#6
Chloroethane
Concen: 0.882 ug/l
RT: 2.924 min Scan# 165
Delta R.T. -0.200 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 64 Resp: 855
Ion Ratio Lower Upper
64 100
66 30.0 26.7 40.1

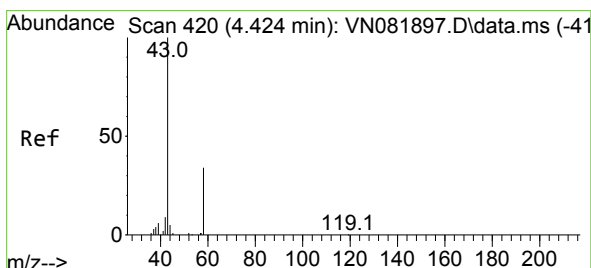
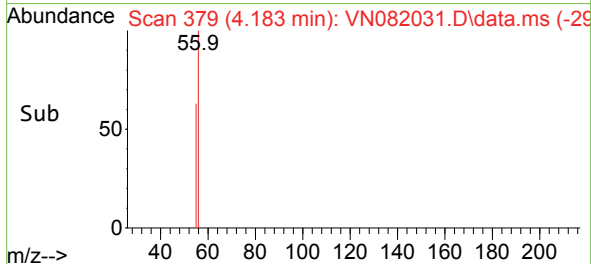
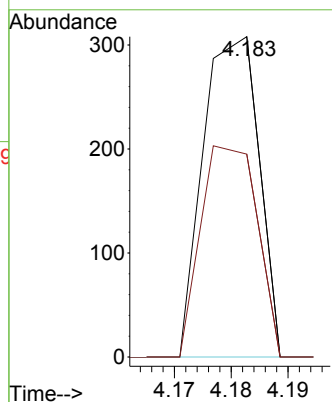
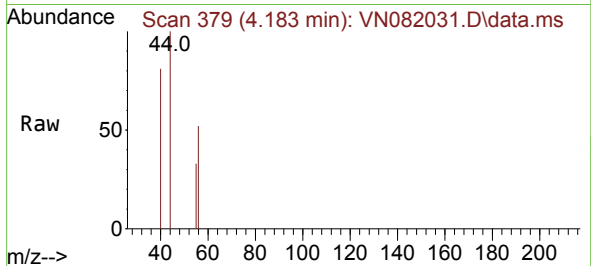




#13
Acrolein
Concen: 0.470 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

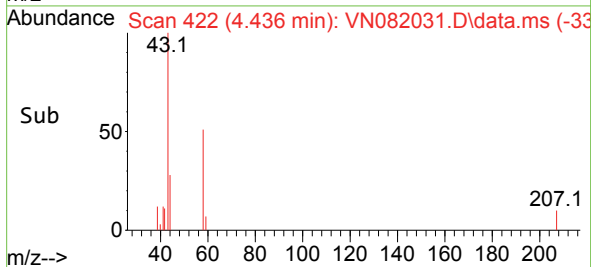
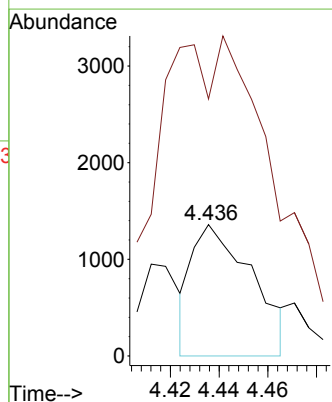
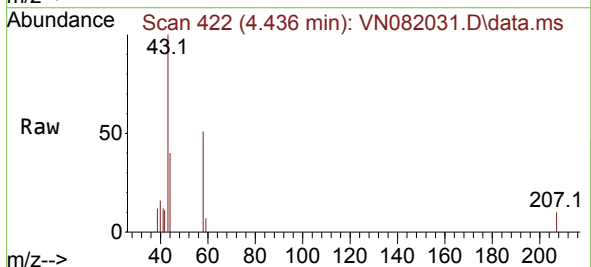
Instrument :
MSVOA_N
ClientSampleId :
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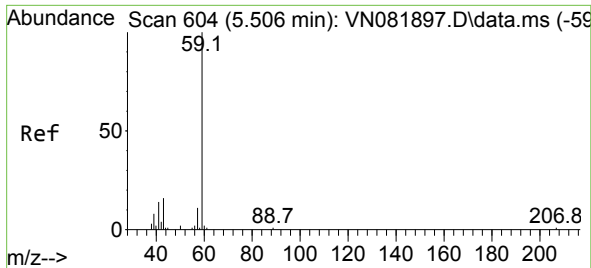
Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 66.7 55.5 83.3



#15
Acetone
Concen: 10.819 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 58 Resp: 2328
Ion Ratio Lower Upper
58 100
43 147.0 223.1 334.7#

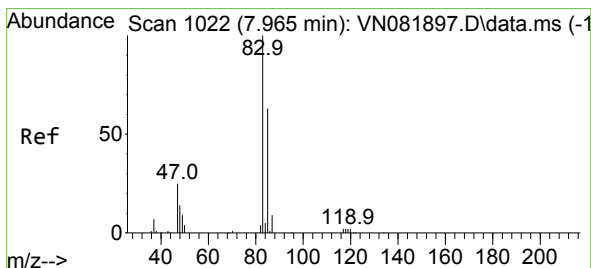
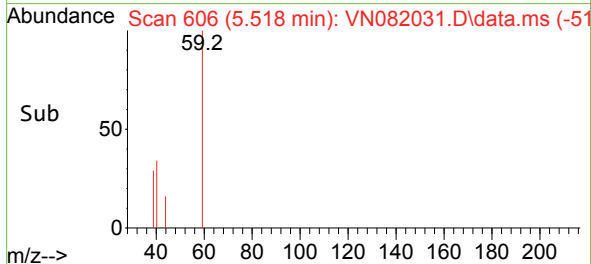
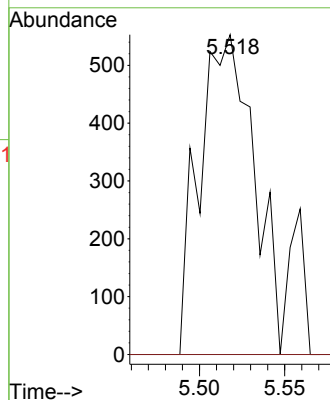
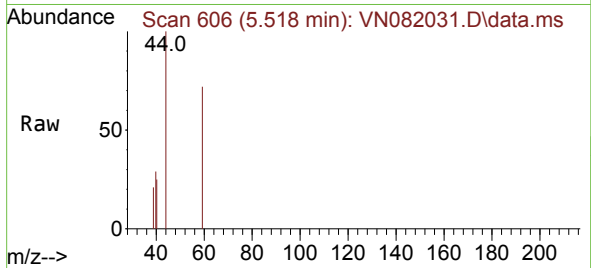




#23
tert-Butyl Alcohol
Concen: 3.120 ug/l
RT: 5.518 min Scan# 604
Delta R.T. 0.012 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

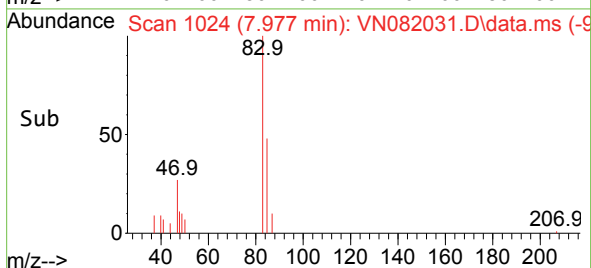
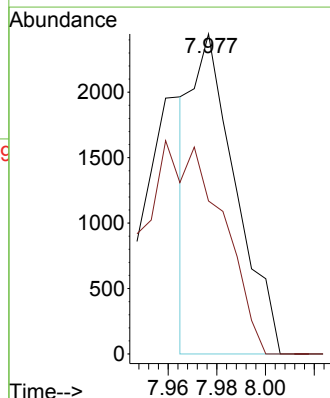
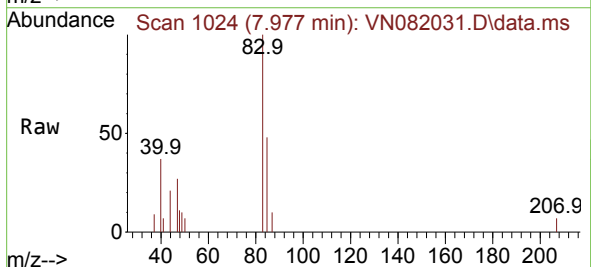
Instrument :
MSVOA_N
ClientSampleId :
240426002-01

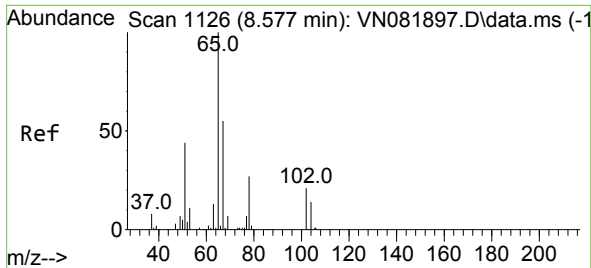
Tgt Ion: 59 Resp: 1234
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.925 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 83 Resp: 3077
Ion Ratio Lower Upper
83 100
85 47.8 50.9 76.3#

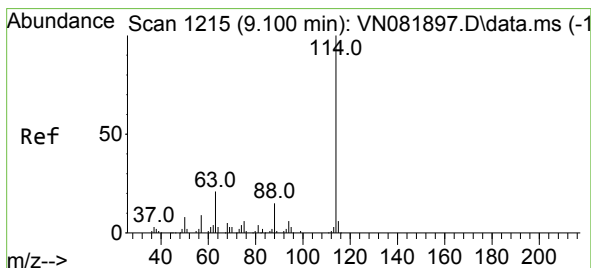
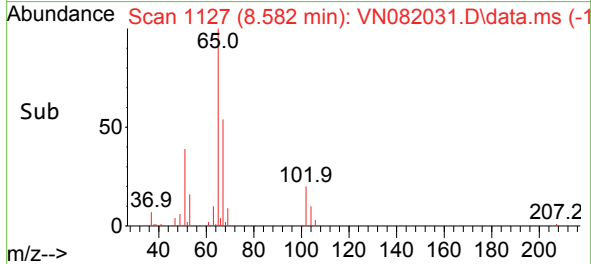
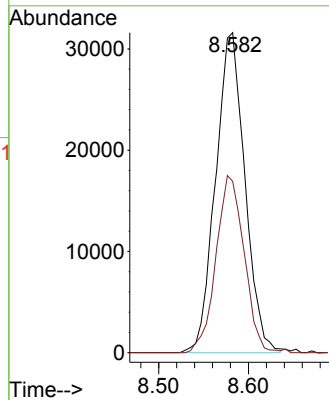
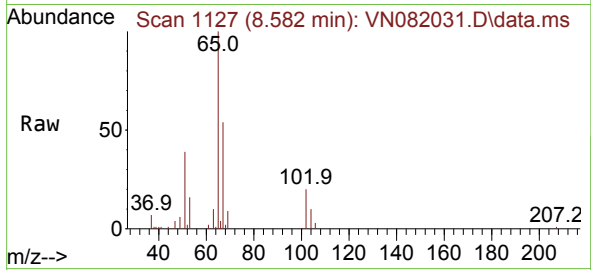




#27
1,2-Dichloroethane-d4
Concen: 31.101 ug/l
RT: 8.582 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

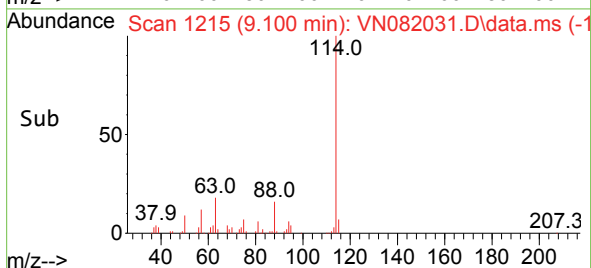
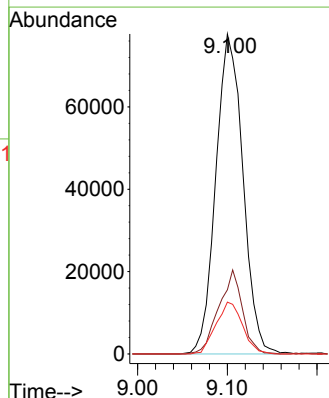
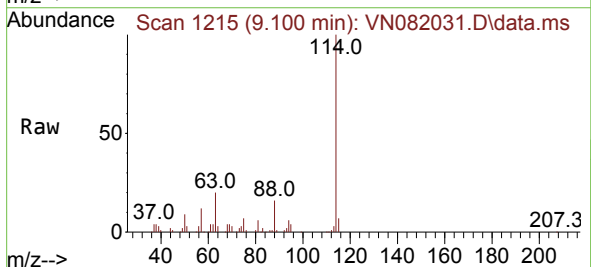
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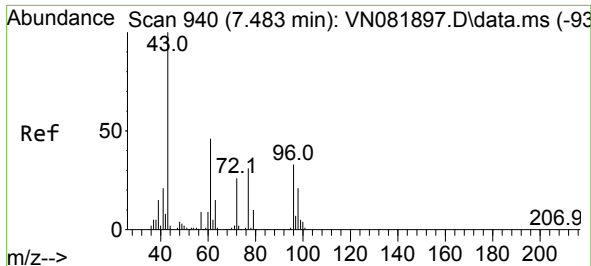
Tgt Ion: 65 Resp: 71691
Ion Ratio Lower Upper
65 100
67 53.1 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion:114 Resp: 162894
Ion Ratio Lower Upper
114 100
63 22.9 15.9 23.9
88 15.9 12.7 19.1

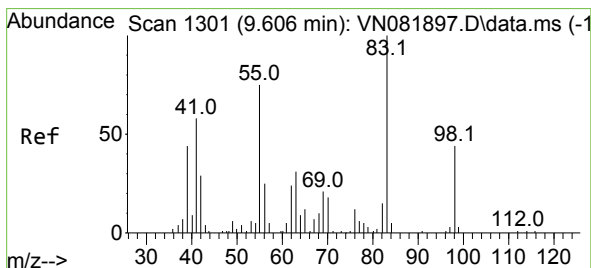
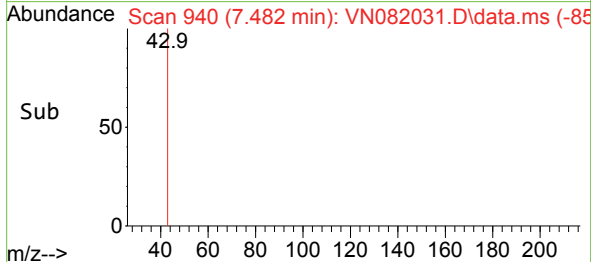
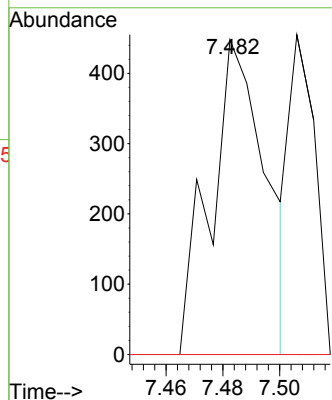
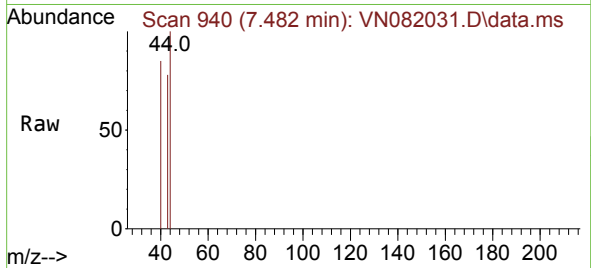




#30
2-Butanone
Concen: 0.484 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

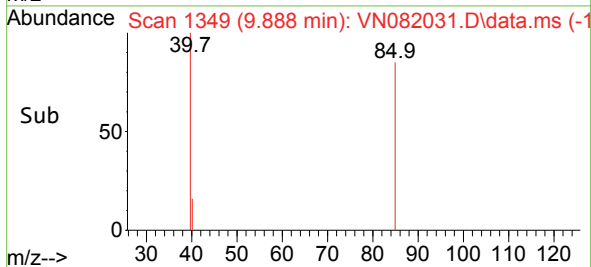
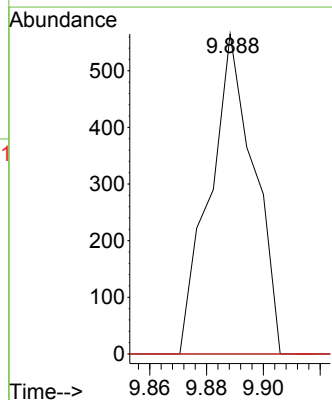
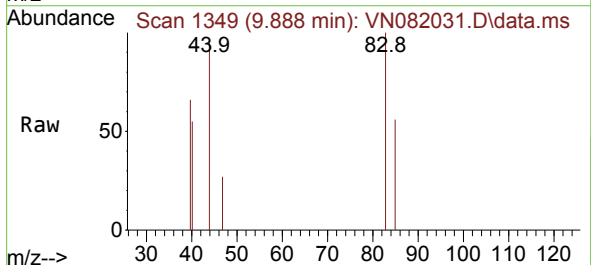
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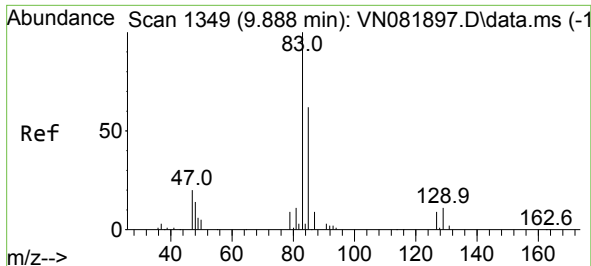
Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#38
Methylcyclohexane
Concen: 0.208 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.282 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 83 Resp: 609
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#

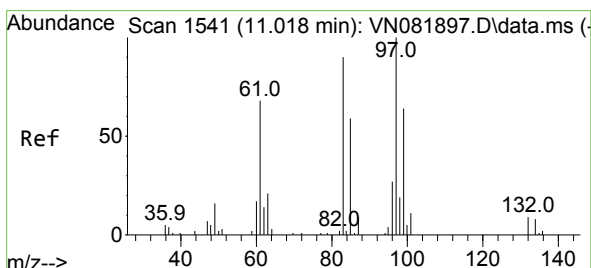
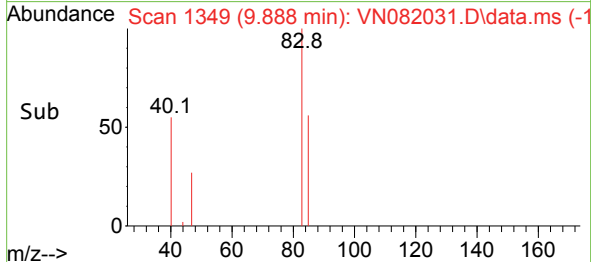
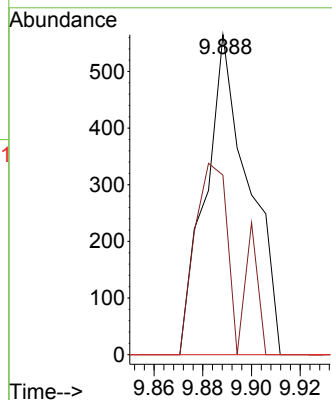
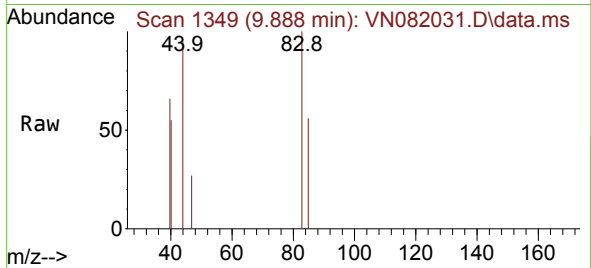




#41
Bromodichloromethane
Concen: 0.255 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

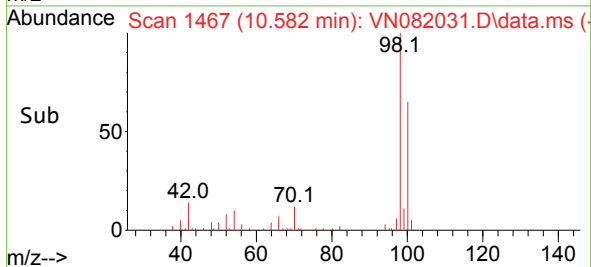
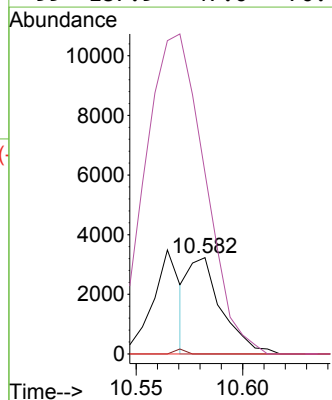
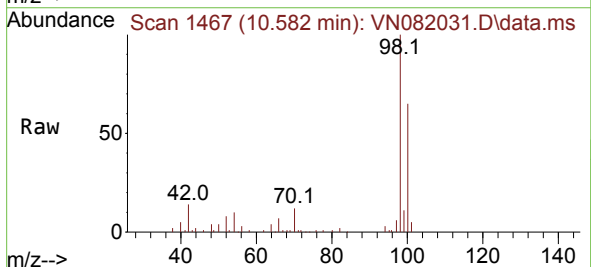
Instrument :
MSVOA_N
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240426002-01

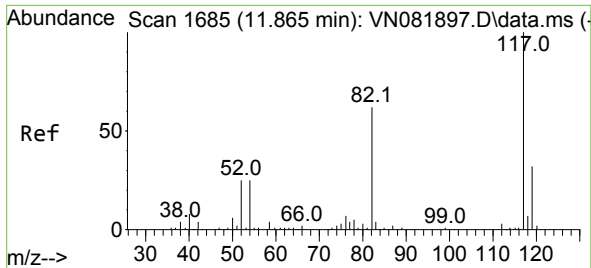
Tgt Ion: 83 Resp: 696
Ion Ratio Lower Upper
83 100
85 56.1 49.4 74.2
127 0.0 7.3 10.9#



#50
1,1,2-Trichloroethane
Concen: 2.030 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.435 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 97 Resp: 3513
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 187.9 47.0 70.4#

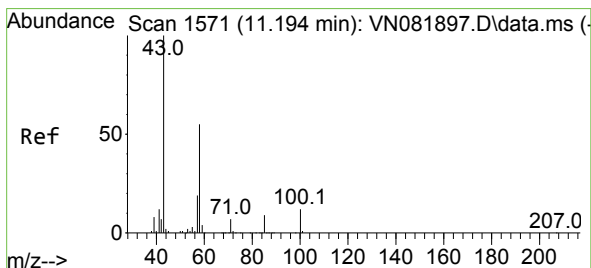
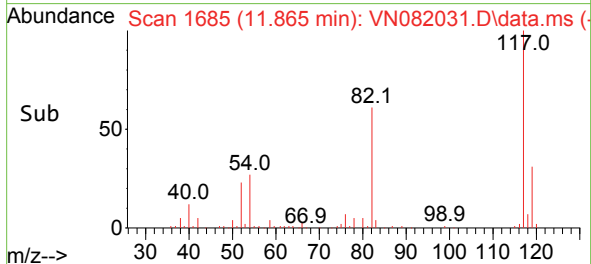
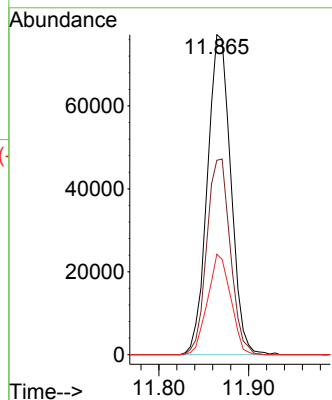
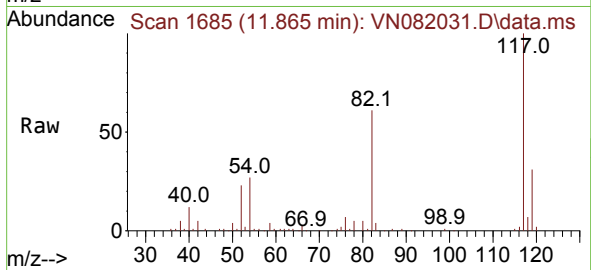




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

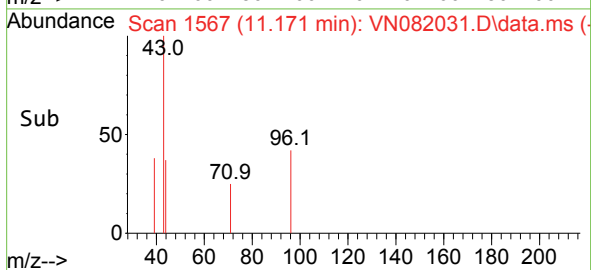
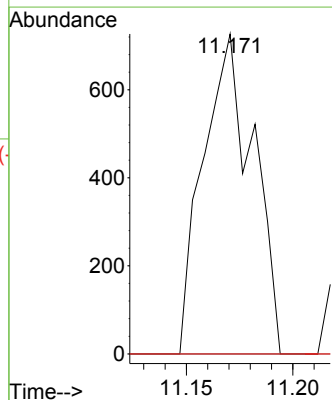
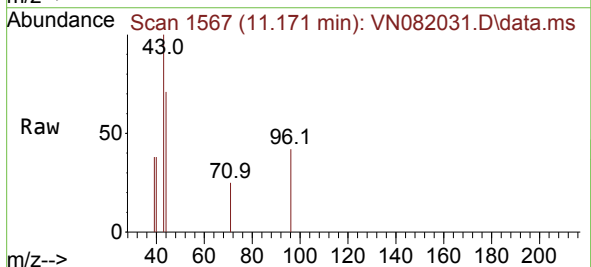
Instrument :
MSVOA_N
ClientSampleId :
240426002-01

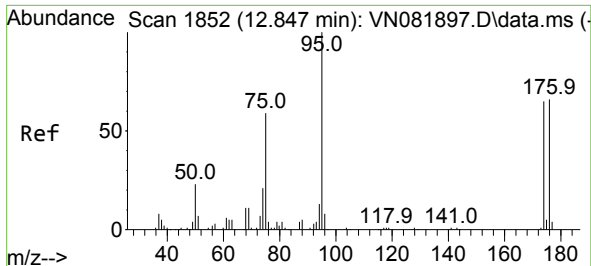
Tgt Ion:117 Resp: 140249
Ion Ratio Lower Upper
117 100
82 61.3 46.6 69.8
119 30.9 25.4 38.2



#59
2-Hexanone
Concen: 0.587 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 0.0 50.4 75.6#
57 0.0 18.6 27.8#

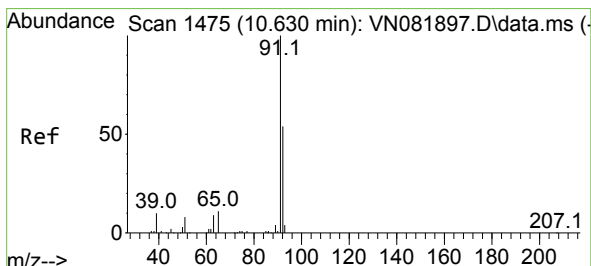
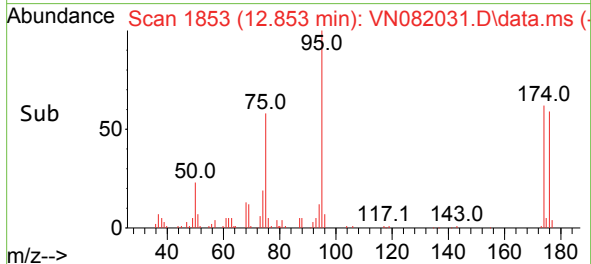
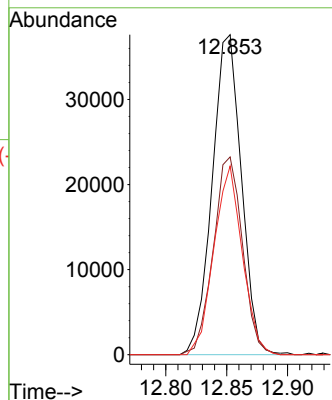
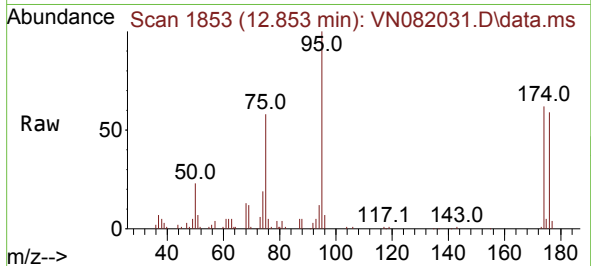




#60
4-Bromofluorobenzene
Concen: 26.890 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

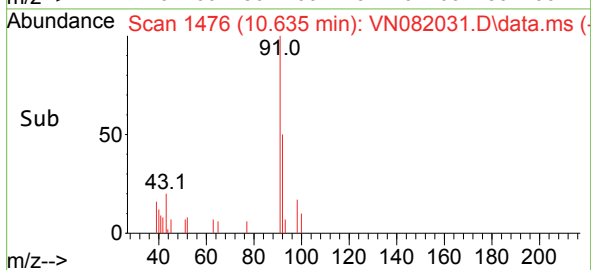
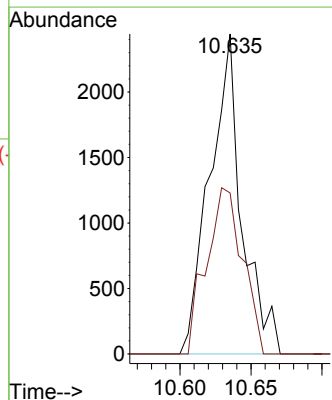
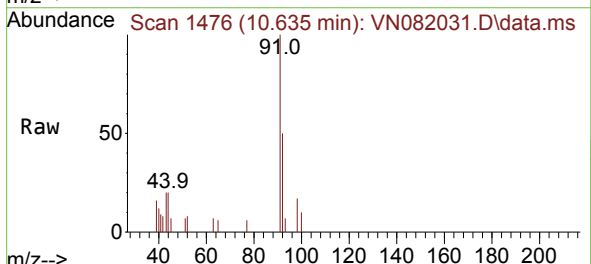
Instrument :
MSVOA_N
ClientSampleId :
240426002-01

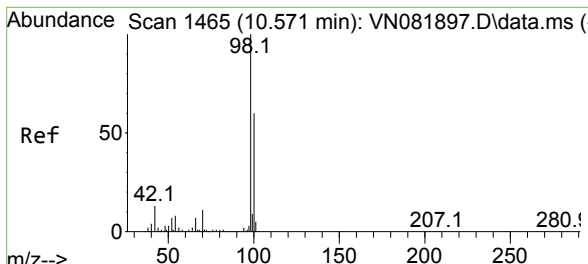
Tgt Ion: 95 Resp: 62763
Ion Ratio Lower Upper
95 100
174 61.7 60.5 90.7
176 57.3 57.8 86.6#



#62
Toluene
Concen: 0.485 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 91 Resp: 3829
Ion Ratio Lower Upper
91 100
92 58.8 46.5 69.7

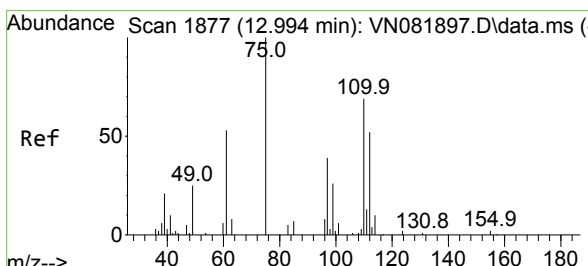
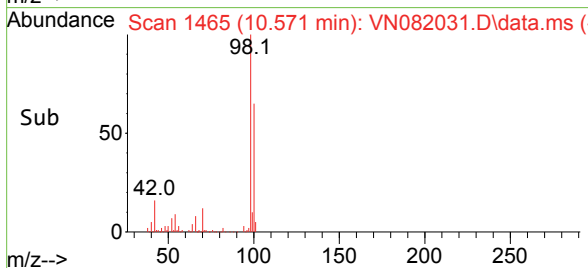
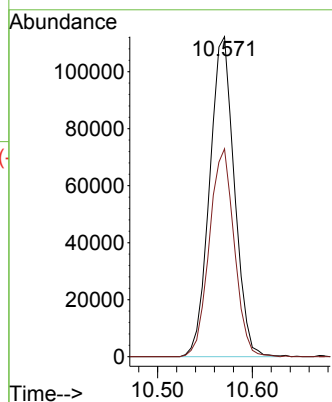
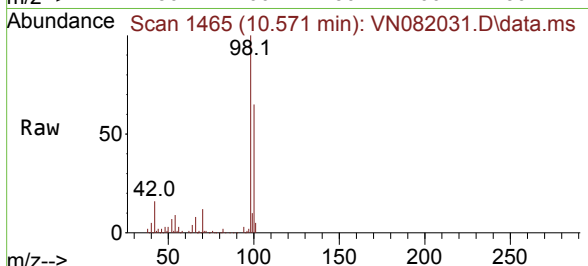




#63
Toluene-d8
Concen: 30.656 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

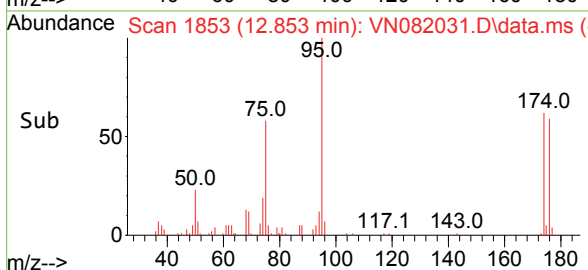
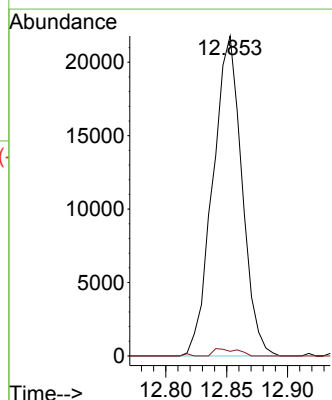
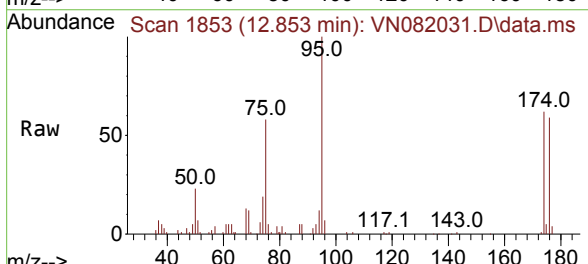
Instrument : MSVOA_N
ClientSampleId : 240426002-01

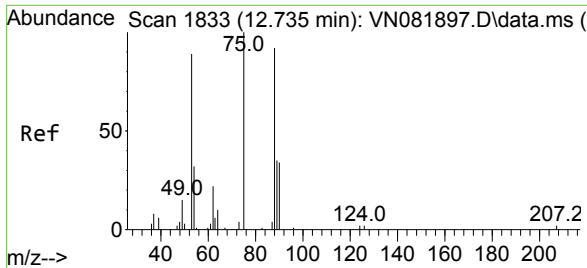
Tgt Ion: 98 Resp: 204183
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.726 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082031.D
Acq: 08 May 2024 16:49

Tgt Ion: 75 Resp: 36262
Ion Ratio Lower Upper
75 100
77 1.9 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.578 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN082031.D
 Acq: 08 May 2024 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 240426002-01

Tgt Ion: 75 Resp: 36262
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

