

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081976.D
 Acq On : 02 May 2024 13:02
 Operator : JC\MD
 Sample : P2345-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 00:11:13 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)

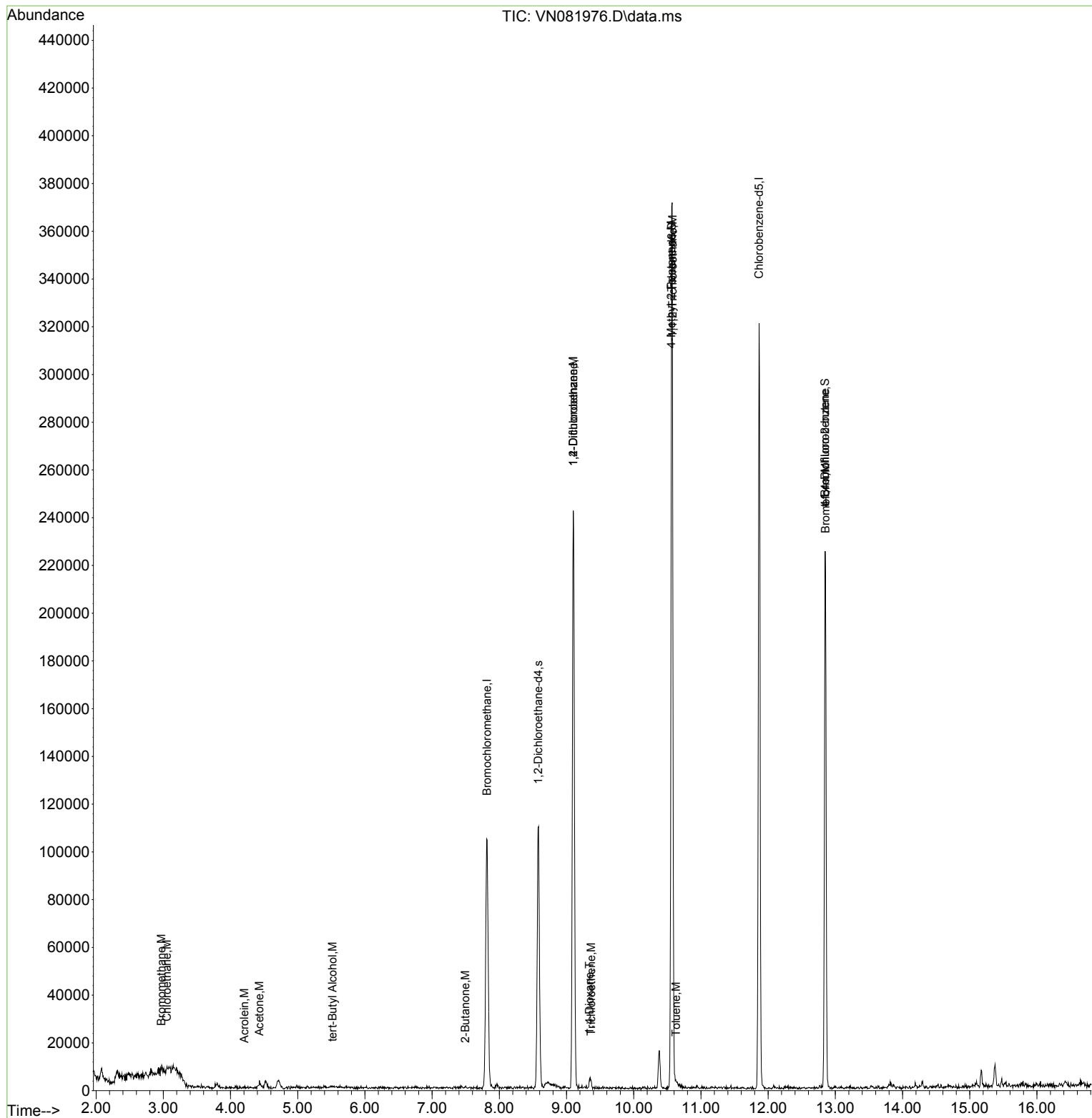
Internal Standards						
1) Bromochloromethane	7.818	128	35892	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	208201	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	172641	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	89127	29.659	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.867%
60) 4-Bromofluorobenzene	12.847	95	81088	28.223	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.067%
63) Toluene-d8	10.565	98	254562	31.049	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.500%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	293	0.252	ug/l #	13
6) Chloroethane	3.054	64	339	0.268	ug/l	90
13) Acrolein	4.206	56	144	0.247	ug/l	85
15) Acetone	4.430	58	333	1.187	ug/l #	1
23) tert-Butyl Alcohol	5.518	59	439	0.851	ug/l #	100
30) 2-Butanone	7.494	43	372	0.233	ug/l #	52
36) 1,2-Dichloroethane	9.100	62	8438	2.542	ug/l #	72
37) Trichloroethene	9.365	130	541	0.223	ug/l #	1
45) 1,4-Dioxane	9.341	88	216	4.355	ug/l #	35
50) 1,1,2-Trichloroethane	10.577	97	8273	3.741	ug/l #	1
56) Bromoform	12.853	173	400	0.273	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	951	0.284	ug/l #	38
62) Toluene	10.630	91	2398	0.247	ug/l	89
77) t-1,4-Dichloro-2-butene	12.847	75	44750	37.673	ug/l #	12

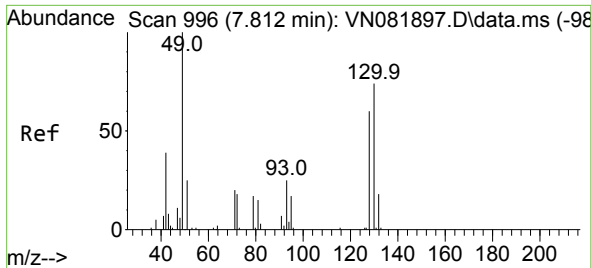
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
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Misc : 5.0mL/MSVOA_N/WATER
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MSVOA_N
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Quant Time: May 03 00:11:13 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

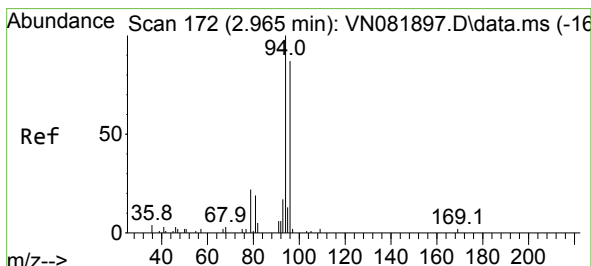
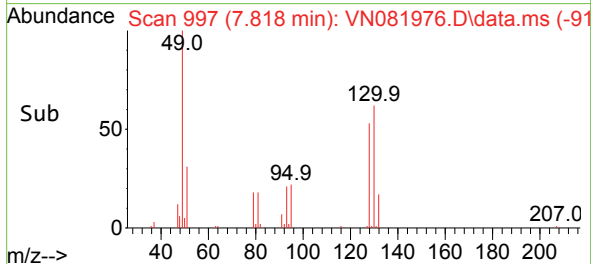
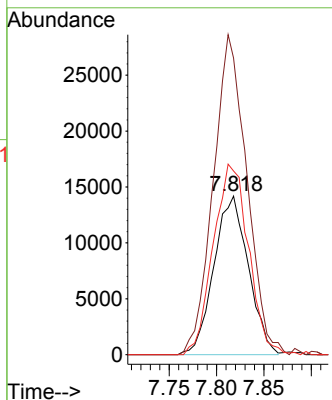
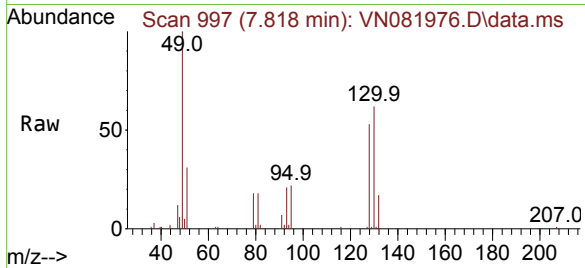




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

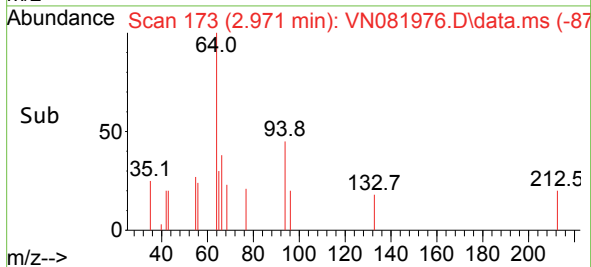
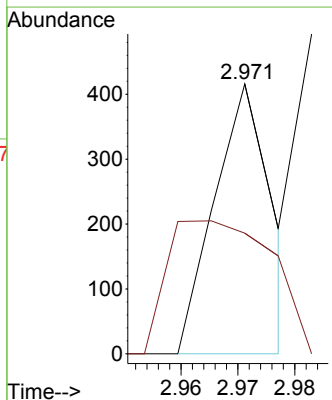
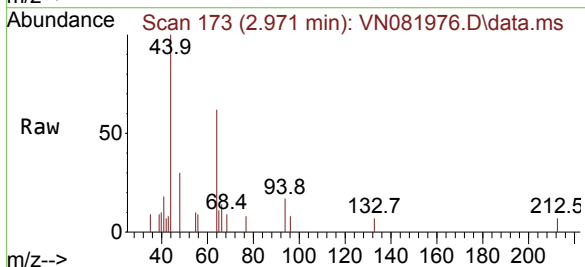
Instrument :
MSVOA_N
ClientSampleId :

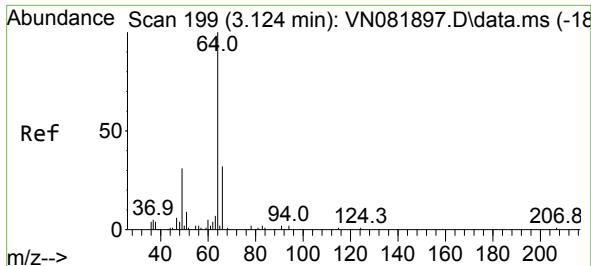
Tgt Ion:128 Resp: 35892
Ion Ratio Lower Upper
128 100
49 196.6 0.0 403.7
130 122.9 0.0 323.3



#5
Bromomethane
Concen: 0.252 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.006 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 8.4 72.8 109.2#

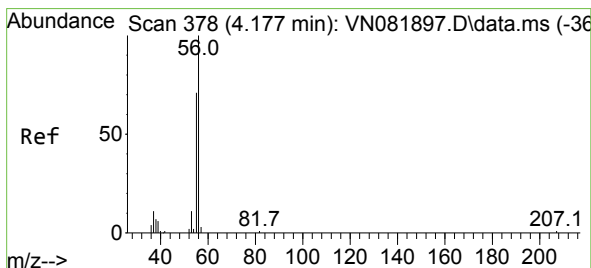
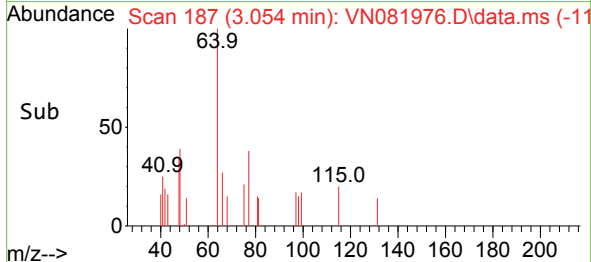
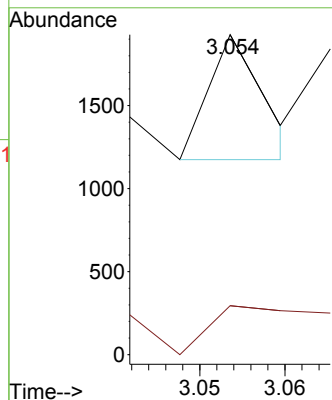
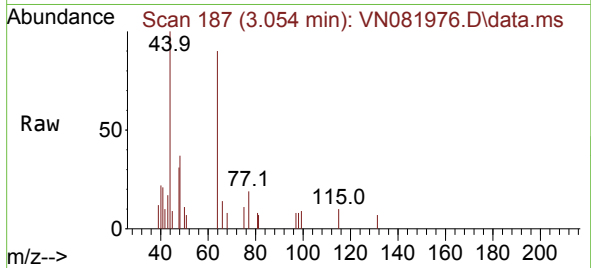




#6
Chloroethane
Concen: 0.268 ug/l
RT: 3.054 min Scan# 11
Delta R.T. -0.071 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

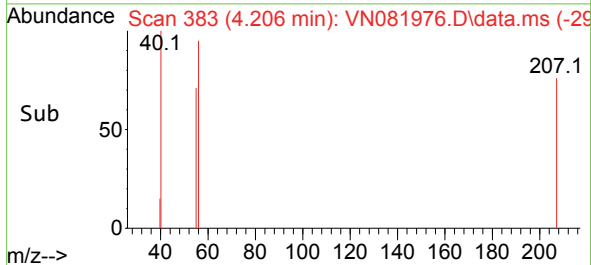
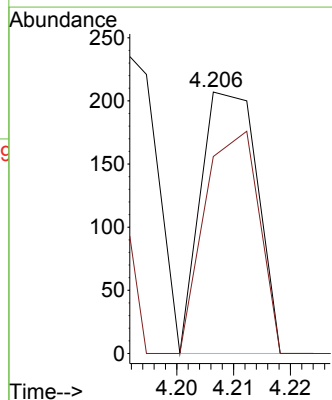
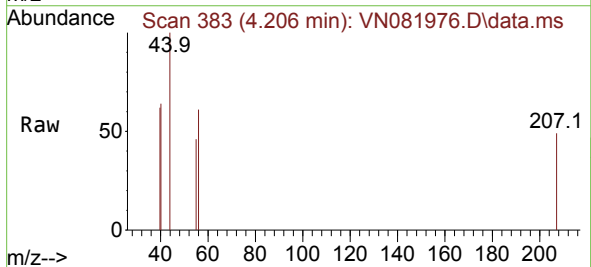
Instrument :
MSVOA_N
ClientSampleId :

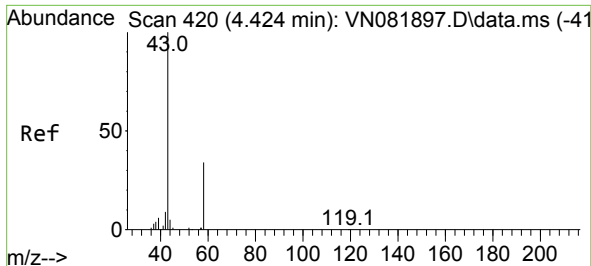
Tgt Ion: 64 Resp: 339
Ion Ratio Lower Upper
64 100
66 39.2 26.7 40.1



#13
Acrolein
Concen: 0.247 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.029 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

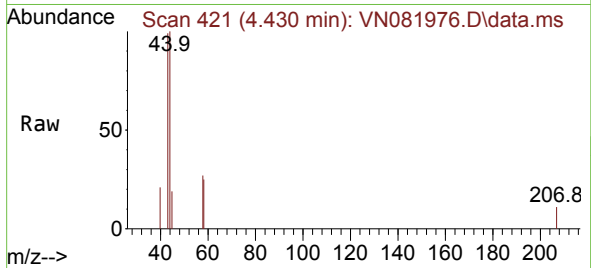
Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 81.3 55.5 83.3



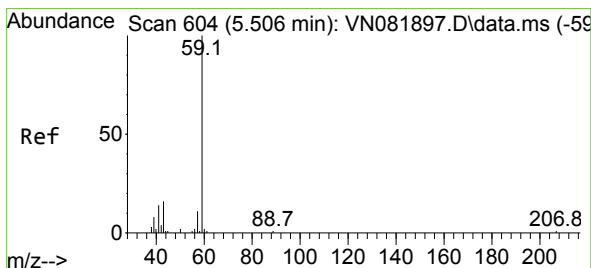
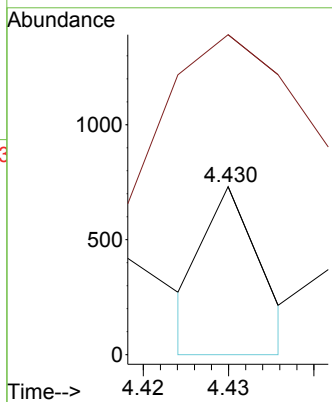
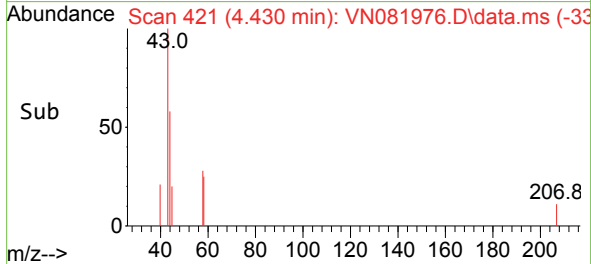


#15
Acetone
Concen: 1.187 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Instrument :
MSVOA_N
ClientSampleId :

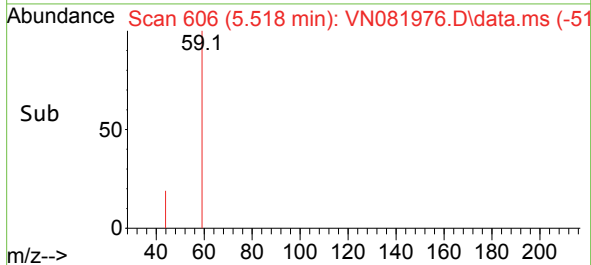
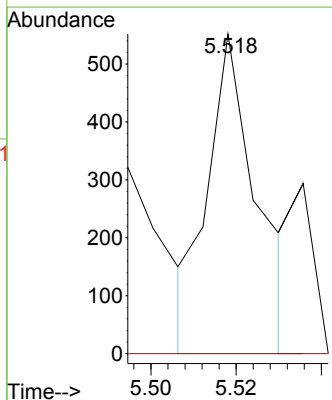
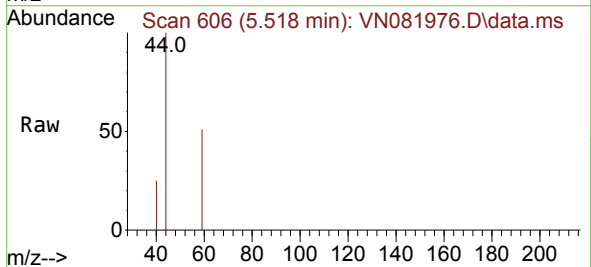


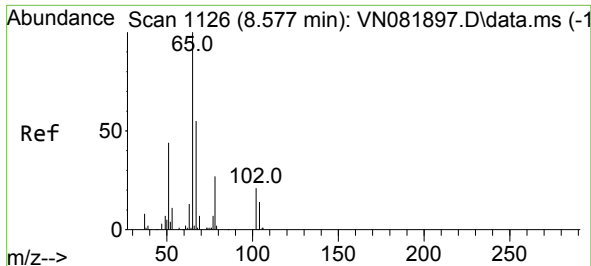
Tgt Ion: 58 Resp: 333
Ion Ratio Lower Upper
58 100
43 33.8 223.1 334.7#



#23
tert-Butyl Alcohol
Concen: 0.851 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Tgt Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

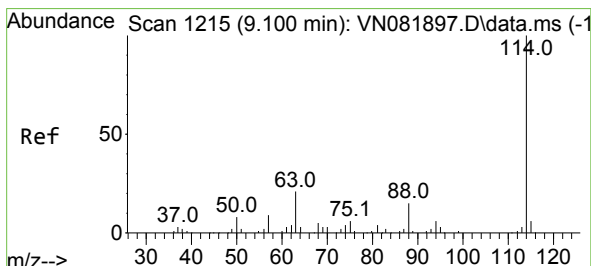
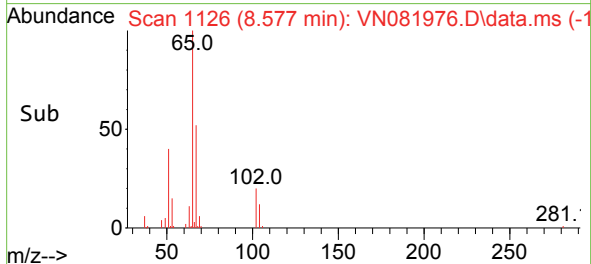
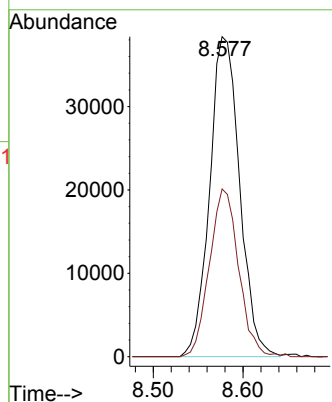
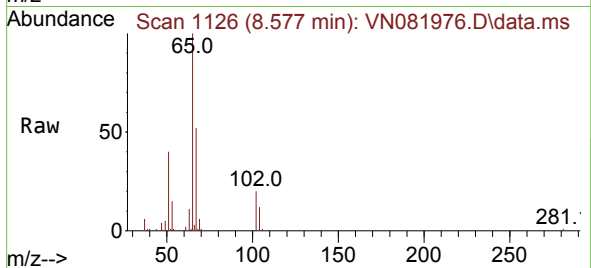




#27
1,2-Dichloroethane-d4
Concen: 29.659 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

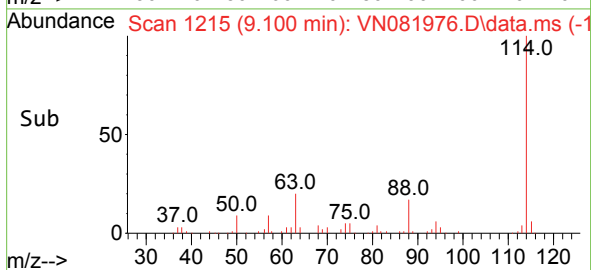
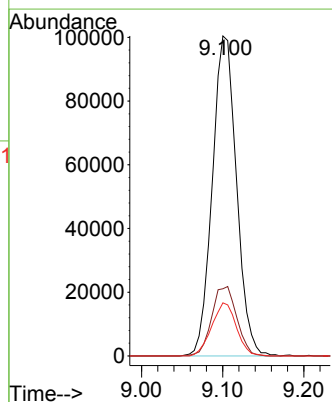
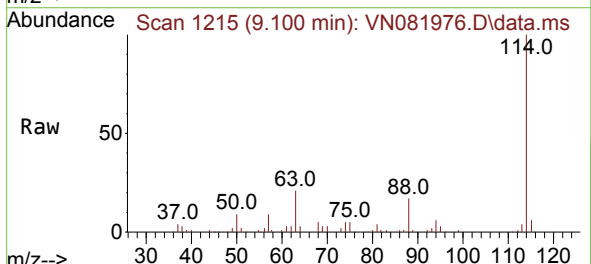
Instrument :
MSVOA_N
ClientSampleId :

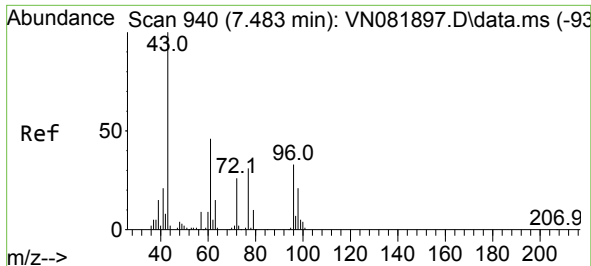
Tgt Ion: 65 Resp: 89127
Ion Ratio Lower Upper
65 100
67 50.9 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

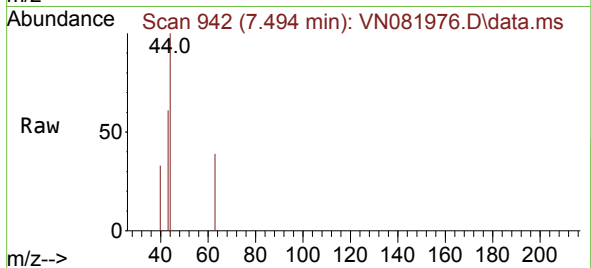
Tgt Ion: 114 Resp: 208201
Ion Ratio Lower Upper
114 100
63 22.5 15.9 23.9
88 17.0 12.7 19.1



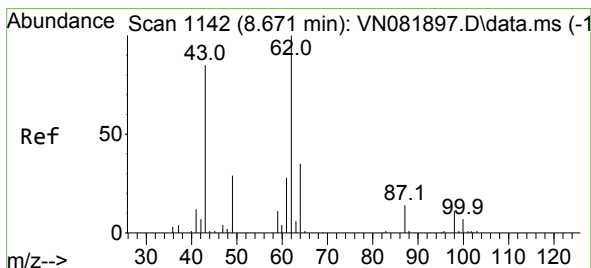
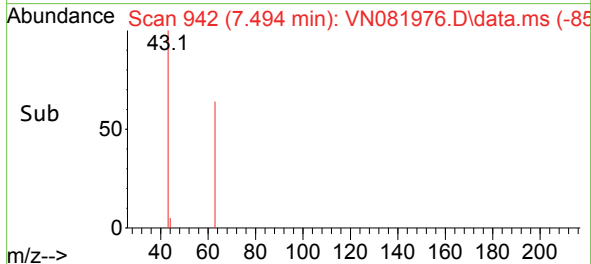
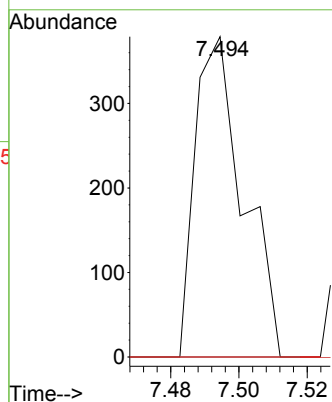


#30
2-Butanone
Concen: 0.233 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Instrument :
MSVOA_N
ClientSampleId :

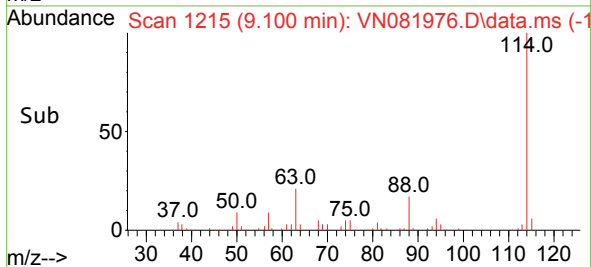
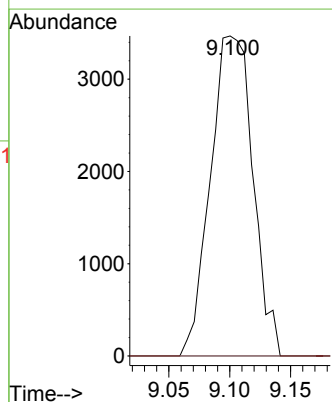
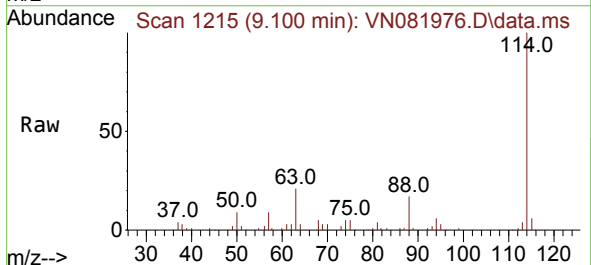


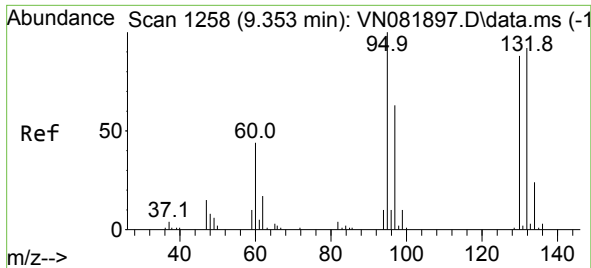
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#36
1,2-Dichloroethane
Concen: 2.542 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Tgt Ion: 62 Resp: 8438
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

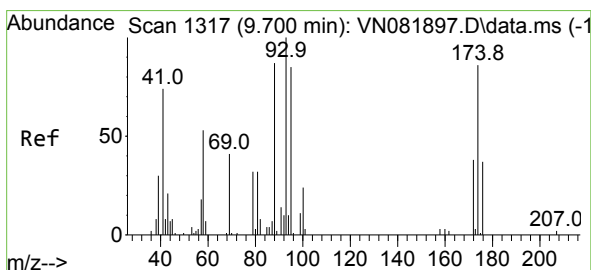
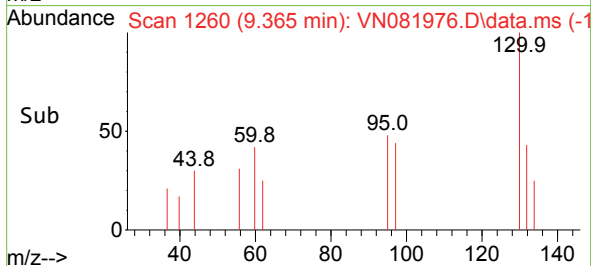
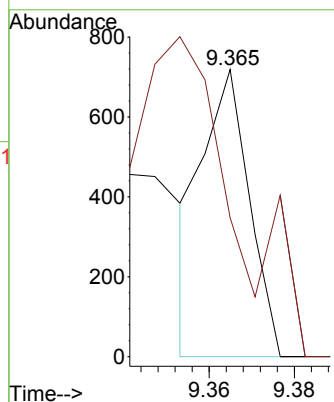
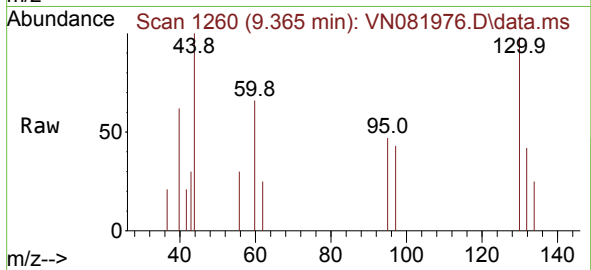




#37
 Trichloroethene
 Concen: 0.223 ug/l
 RT: 9.365 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VN081976.D
 Acq: 02 May 2024 13:02

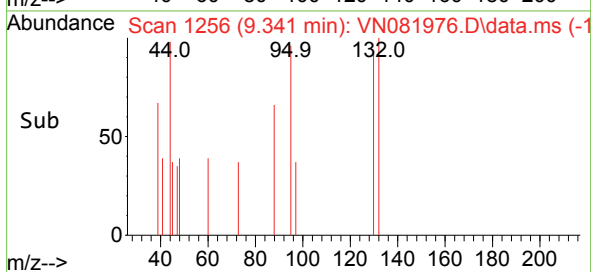
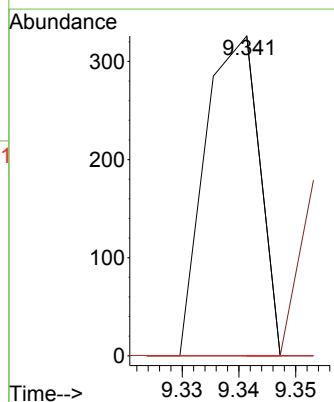
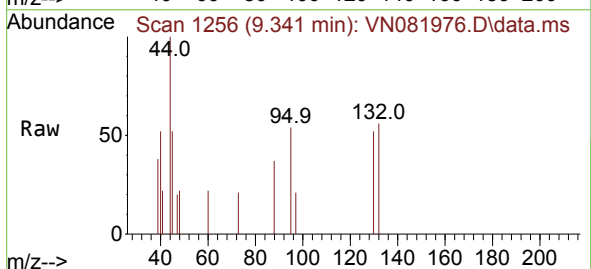
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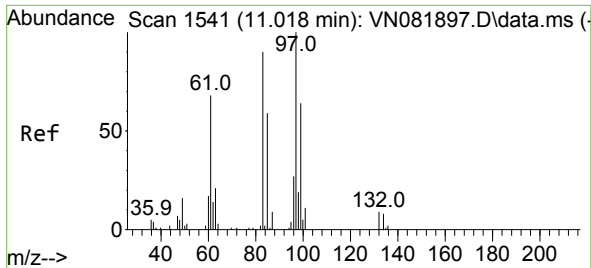
Tgt Ion:130 Resp: 541
 Ion Ratio Lower Upper
 130 100
 95 0.0 80.2 120.4#



#45
 1,4-Dioxane
 Concen: 4.355 ug/l
 RT: 9.341 min Scan# 1256
 Delta R.T. -0.359 min
 Lab File: VN081976.D
 Acq: 02 May 2024 13:02

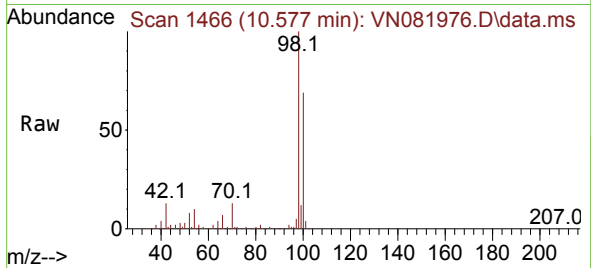
Tgt Ion: 88 Resp: 216
 Ion Ratio Lower Upper
 88 100
 43 29.2 19.8 29.6
 58 0.0 55.4 83.0#



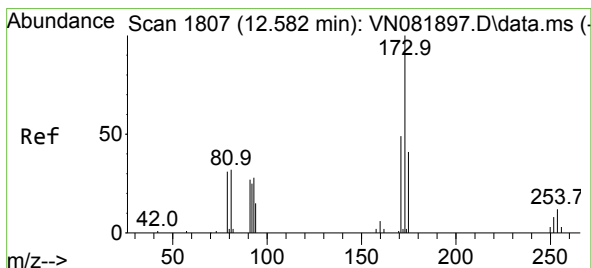
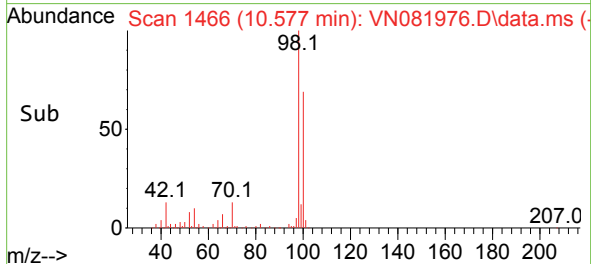
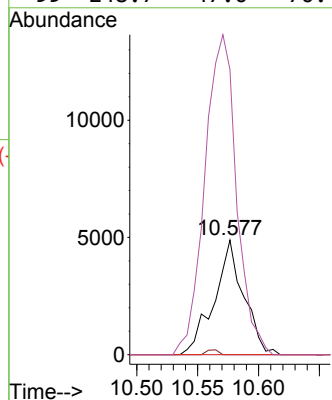


#50
1,1,2-Trichloroethane
Concen: 3.741 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Instrument :
MSVOA_N
ClientSampleId :

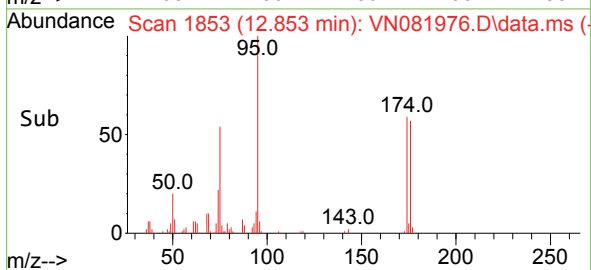
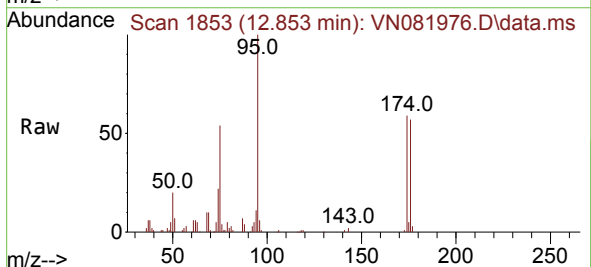
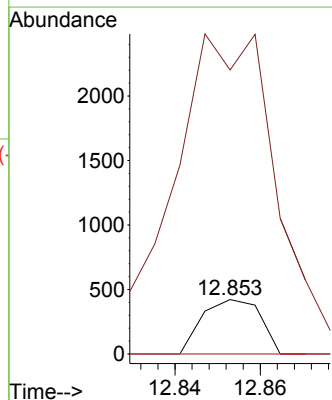


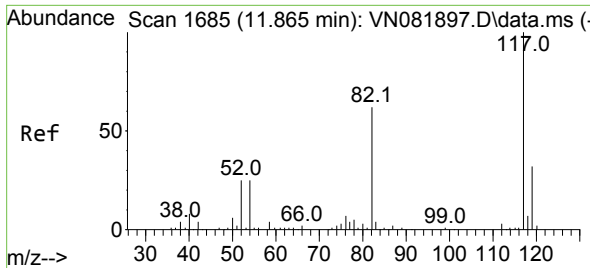
Tgt Ion: 97 Resp: 8273
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 248.7 47.0 70.4#



#56
Bromoform
Concen: 0.273 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

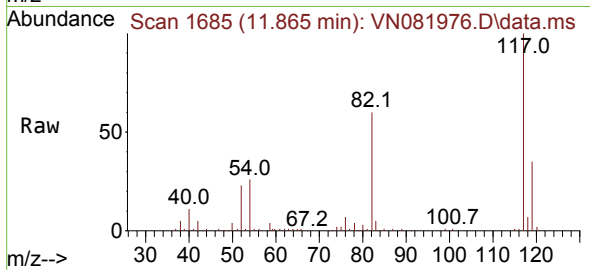
Tgt Ion:173 Resp: 400
Ion Ratio Lower Upper
173 100
175 1065.5 40.0 60.0#
254 0.0 8.3 12.5#



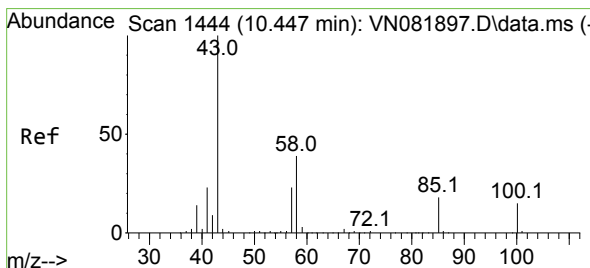
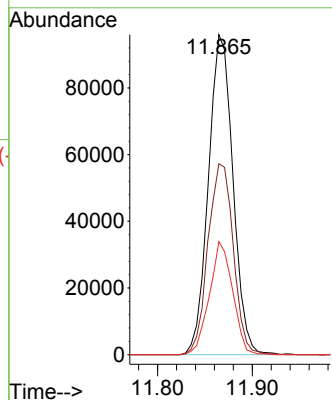
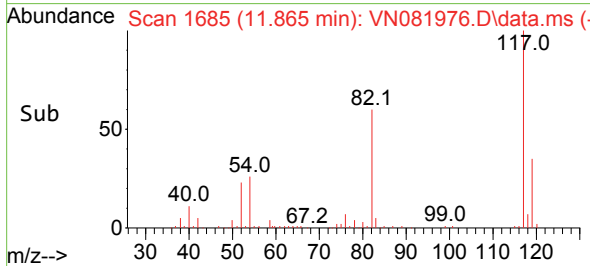


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Instrument :
MSVOA_N
ClientSampleId :

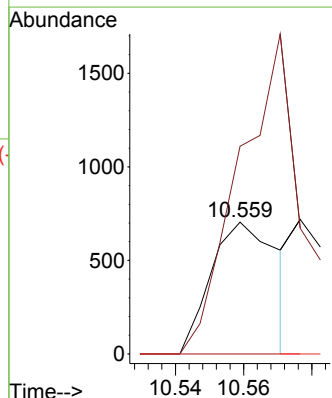
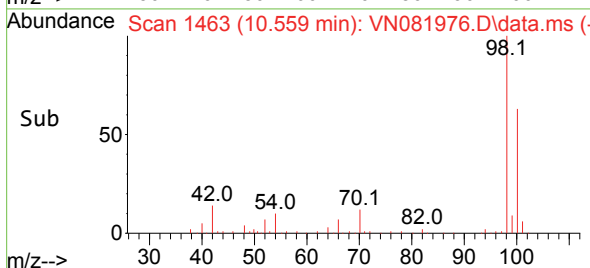
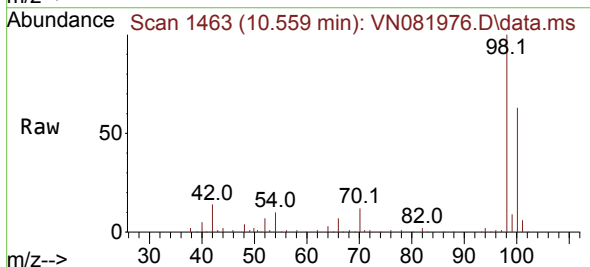


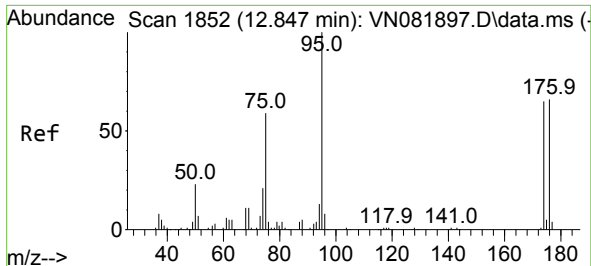
Tgt Ion:117 Resp: 172641
Ion Ratio Lower Upper
117 100
82 61.4 46.6 69.8
119 33.4 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.284 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 0.0 36.5 54.7#
85 0.0 19.5 29.3#

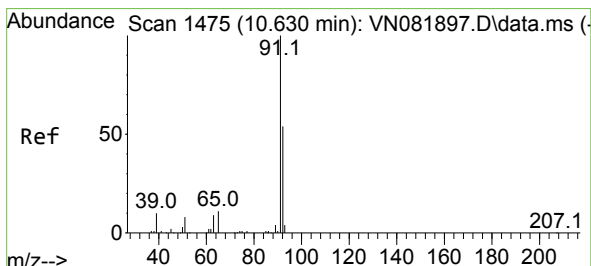
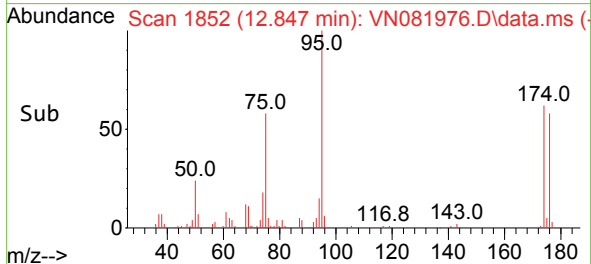
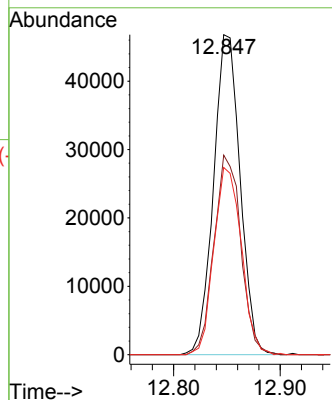
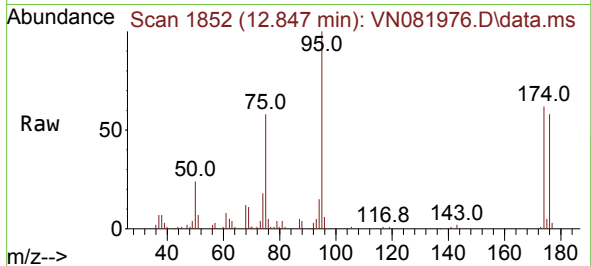




#60
4-Bromofluorobenzene
Concen: 28.223 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

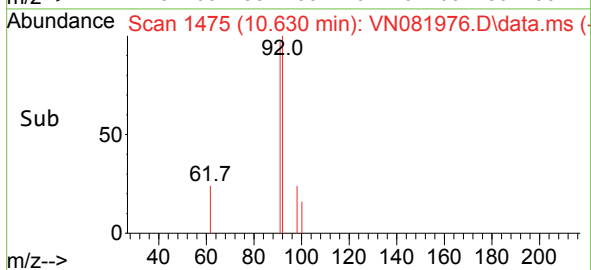
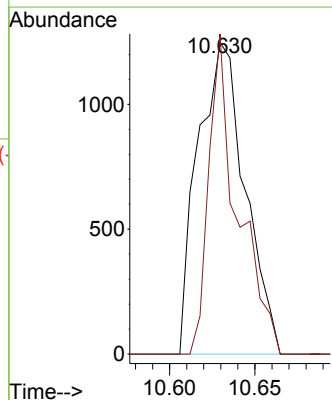
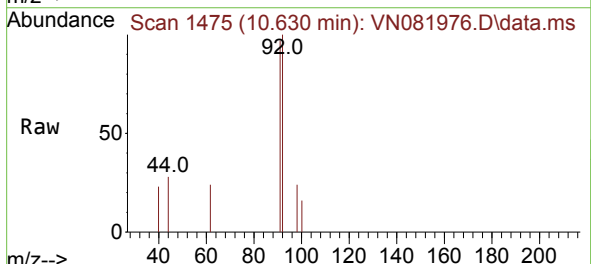
Instrument :
MSVOA_N
ClientSampleId :

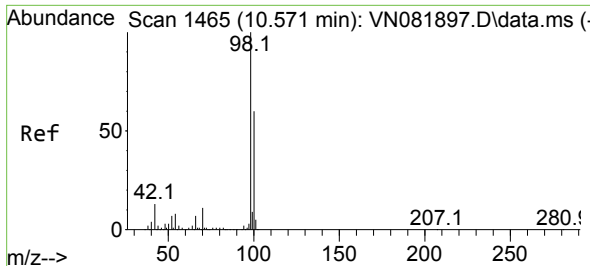
Tgt Ion: 95 Resp: 81088
Ion Ratio Lower Upper
95 100
174 63.0 60.5 90.7
176 60.4 57.8 86.6



#62
Toluene
Concen: 0.247 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Tgt Ion: 91 Resp: 2398
Ion Ratio Lower Upper
91 100
92 49.7 46.5 69.7

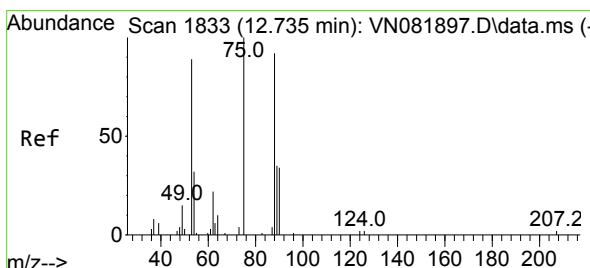
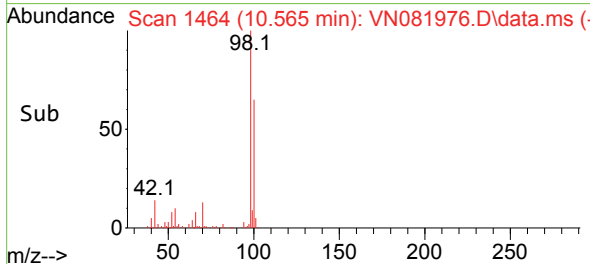
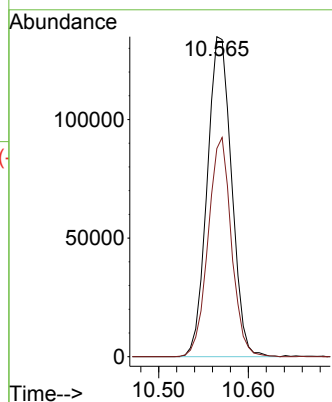
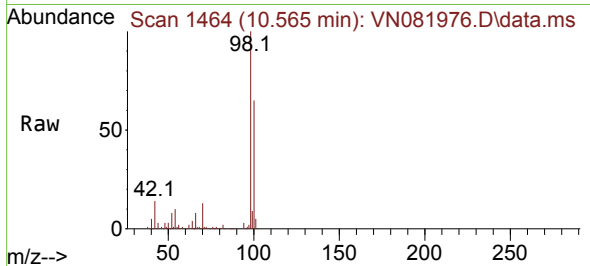




#63
Toluene-d8
Concen: 31.049 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 254562
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 37.673 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081976.D
Acq: 02 May 2024 13:02

Tgt Ion: 75 Resp: 44750
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

