

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082032.D
 Acq On : 08 May 2024 17:13
 Operator : JC\MD
 Sample : P2424-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240507057-01

Quant Time: May 09 01:04:31 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)

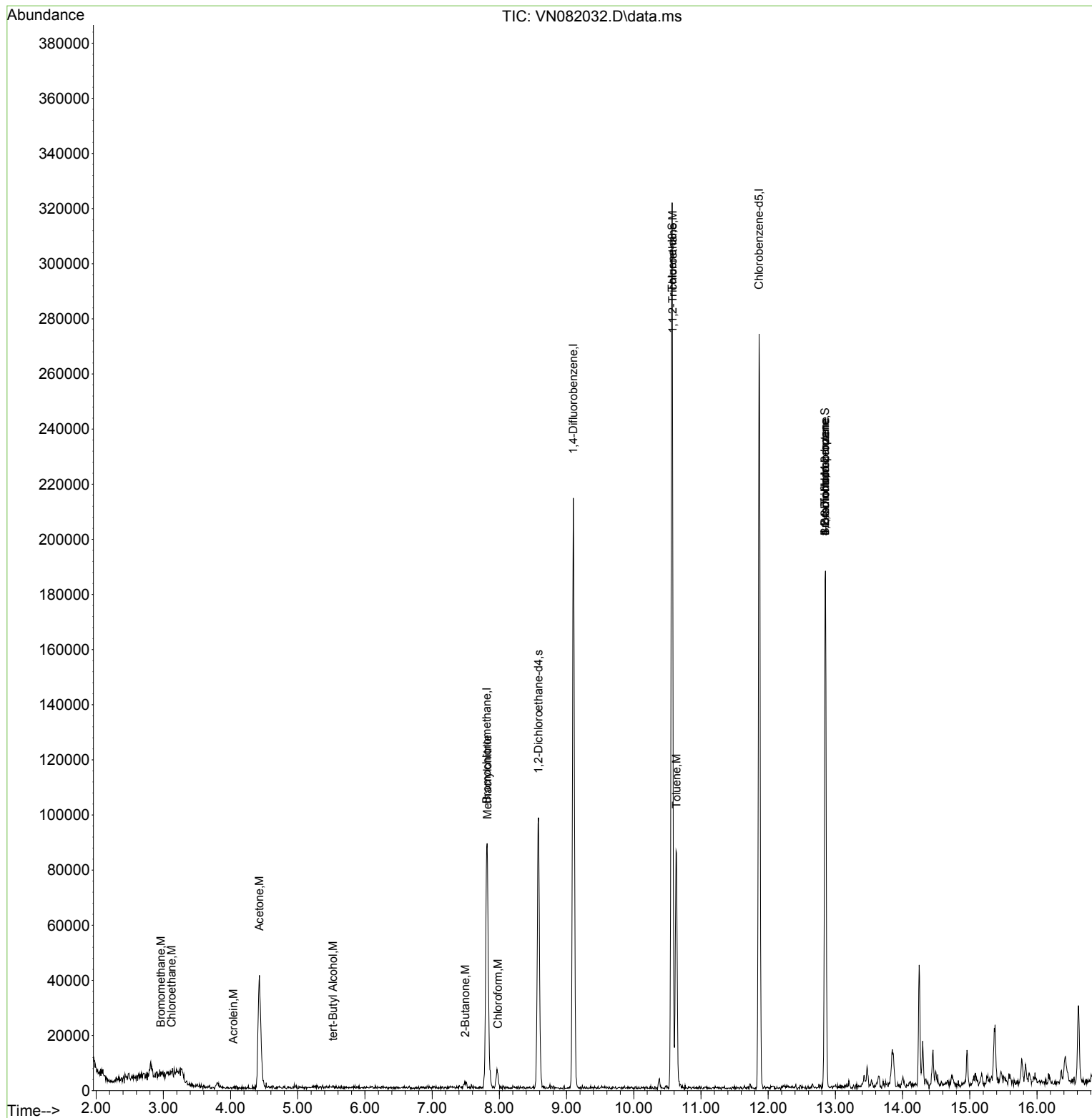
Internal Standards						
1) Bromochloromethane	7.812	128	28593	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	168480	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143117	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	75841	31.680	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.600%
60) 4-Bromofluorobenzene	12.847	95	65808	27.630	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.100%
63) Toluene-d8	10.571	98	209279	30.791	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.633%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	226	0.244	ug/l #	4
6) Chloroethane	3.124	64	208	0.207	ug/l #	41
13) Acrolein	4.042	56	146	0.314	ug/l #	67
15) Acetone	4.430	58	23528	105.283	ug/l	97
23) tert-Butyl Alcohol	5.524	59	287	0.699	ug/l #	100
25) Chloroform	7.977	83	2125	0.615	ug/l	97
30) 2-Butanone	7.494	43	2612	2.020	ug/l #	88
35) Methacrylonitrile	7.824	41	788	0.482	ug/l #	22
50) 1,1,2-Trichloroethane	10.576	97	6683	3.735	ug/l #	1
56) Bromoform	12.847	173	256	0.216	ug/l #	35
62) Toluene	10.635	91	64894	8.059	ug/l	98
72) 1,2,3-Trichloropropane	12.847	75	38127	17.233	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	38127	38.719	ug/l #	12

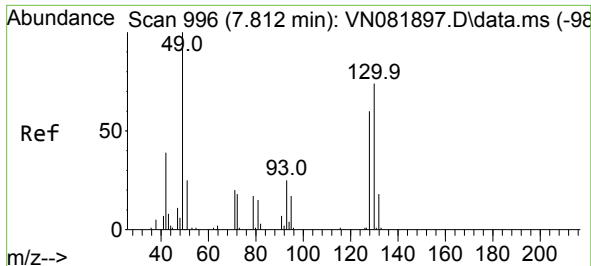
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
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240507057-01

Quant Time: May 09 01:04:31 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

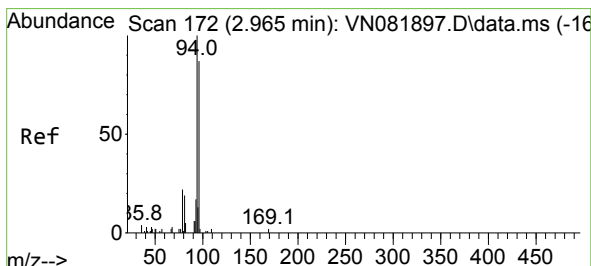
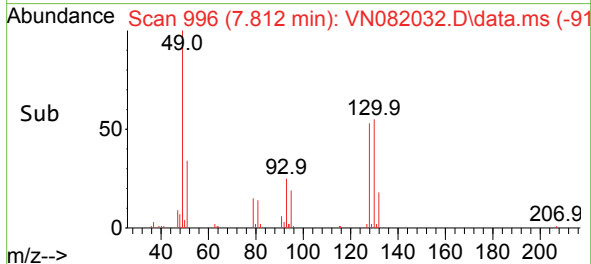
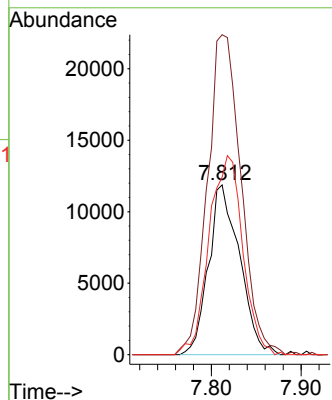
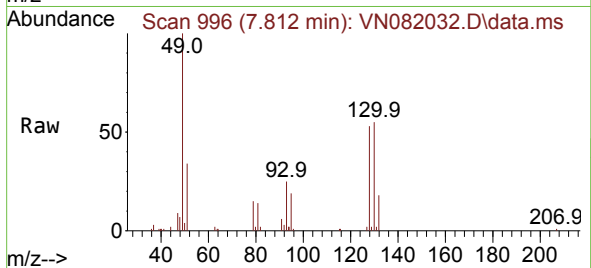




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

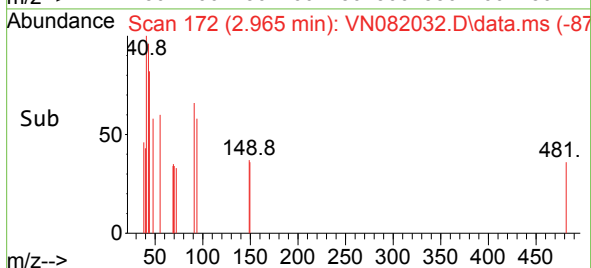
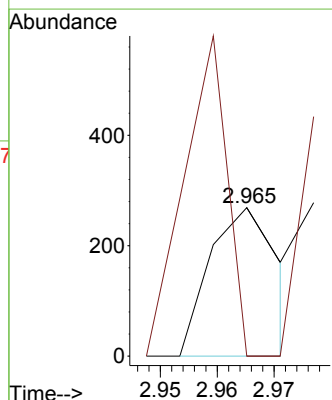
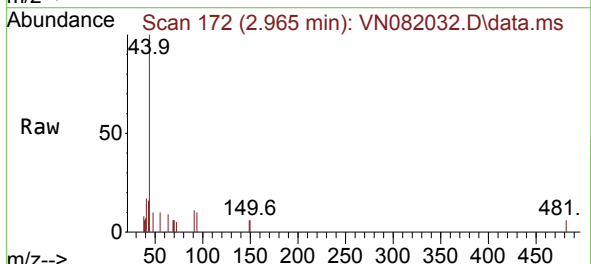
Instrument :
MSVOA_N
ClientSampleId :
240507057-01

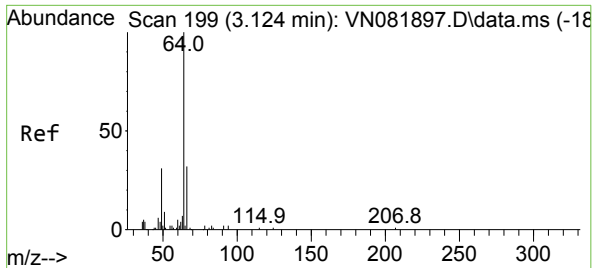
Tgt Ion:	128	Resp:	28593
Ion Ratio	Lower	Upper	
128	100		
49	202.8	0.0	403.7
130	126.8	0.0	323.3



#5
Bromomethane
Concen: 0.244 ug/l
RT: 2.965 min Scan# 172
Delta R.T. -0.000 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Tgt Ion:	94	Resp:	226
Ion Ratio	Lower	Upper	
94	100		
96	0.0	72.8	109.2

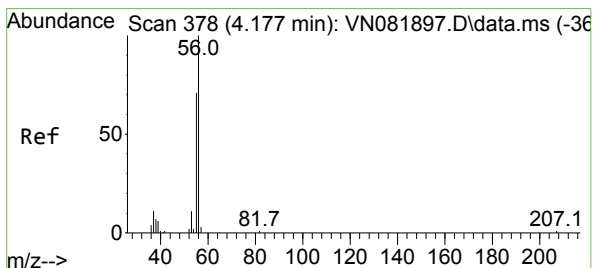
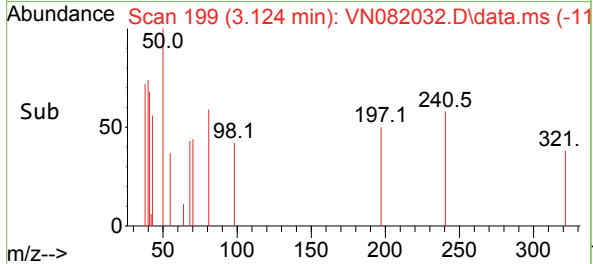
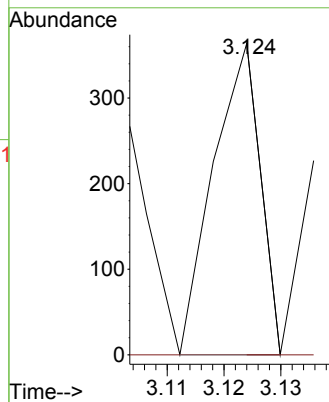
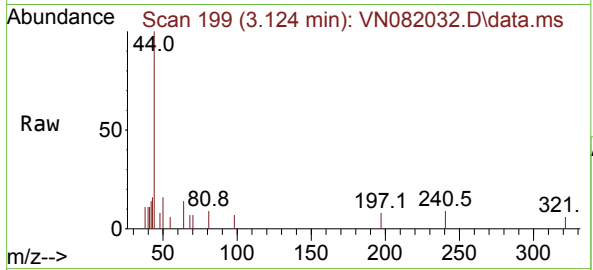




#6
Chloroethane
Concen: 0.207 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

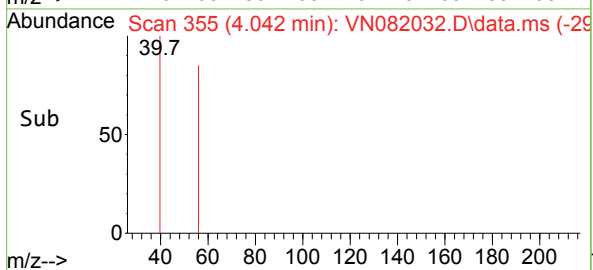
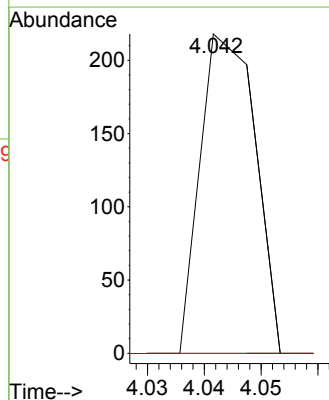
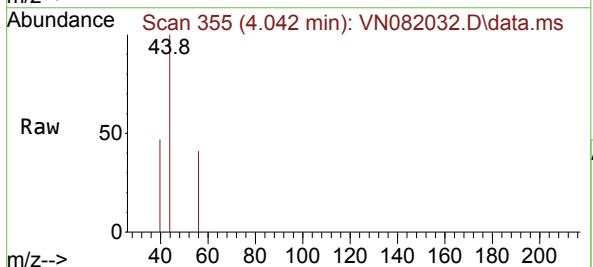
Instrument :
MSVOA_N
ClientSampleId :
240507057-01

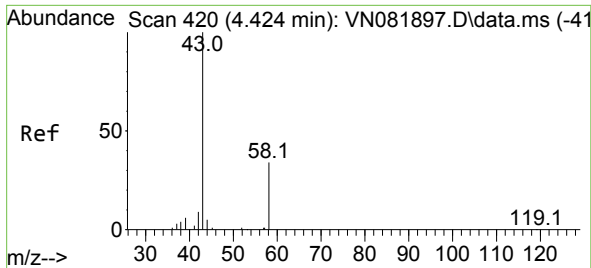
Tgt Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#13
Acrolein
Concen: 0.314 ug/l
RT: 4.042 min Scan# 355
Delta R.T. -0.135 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 96.6 55.5 83.3#

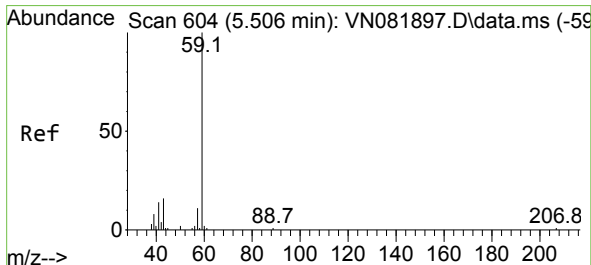
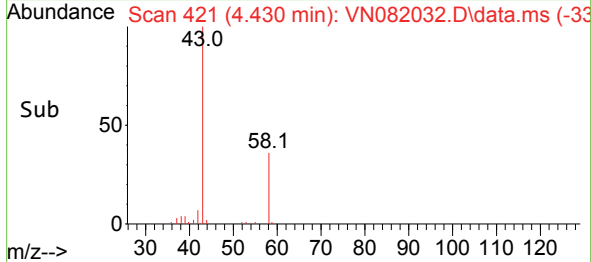
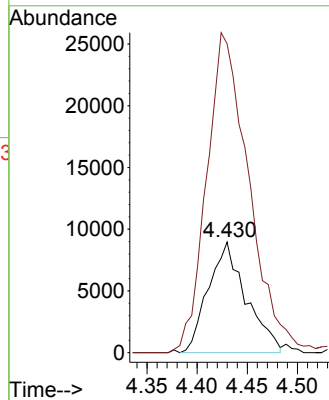
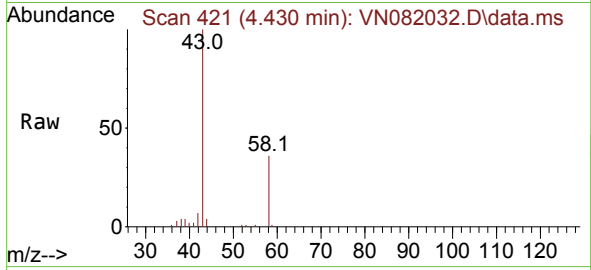




#15
Acetone
Concen: 105.283 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

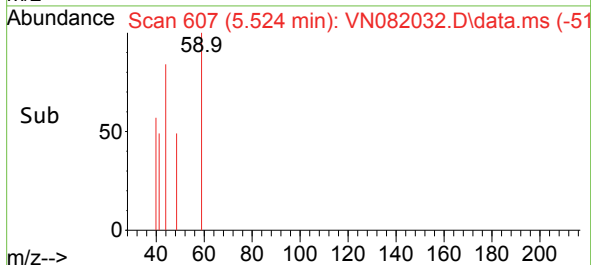
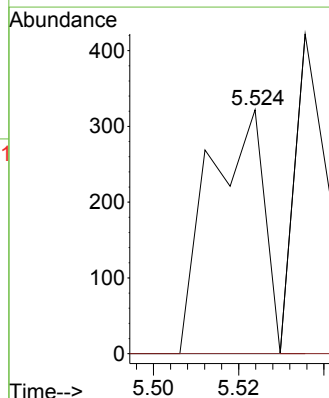
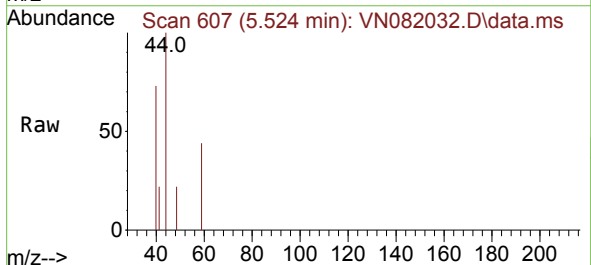
Instrument :
MSVOA_N
ClientSampleId :
240507057-01

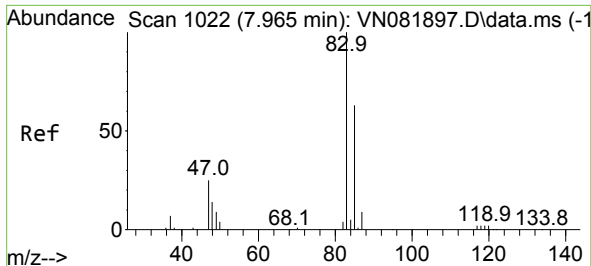
Tgt Ion: 58 Resp: 23528
Ion Ratio Lower Upper
58 100
43 273.3 223.1 334.7



#23
tert-Butyl Alcohol
Concen: 0.699 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 0.615 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.012 min

Lab File: VN082032.D

Acq: 08 May 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

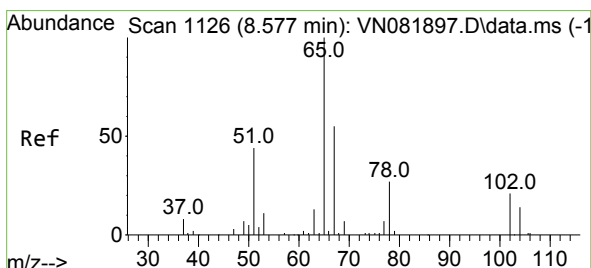
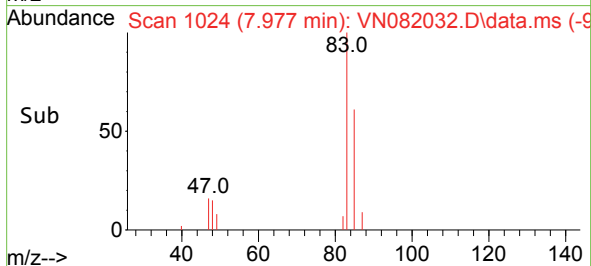
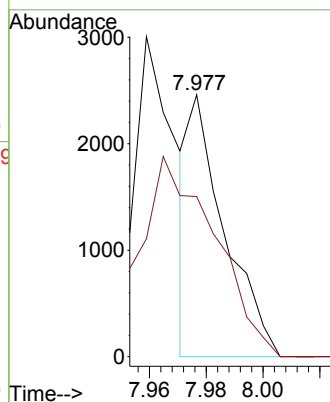
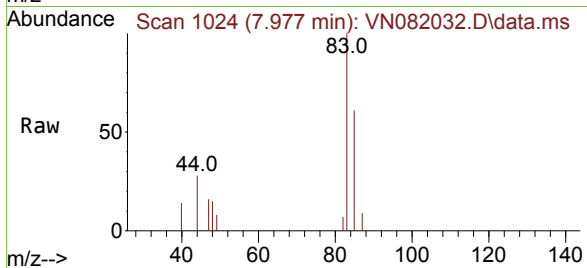
240507057-01

Tgt Ion: 83 Resp: 2125

Ion Ratio Lower Upper

83 100

85 61.1 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 31.680 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082032.D

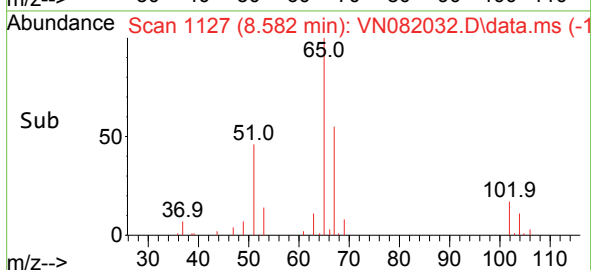
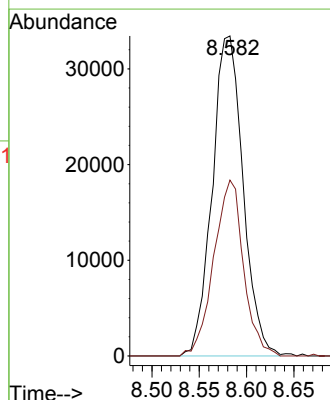
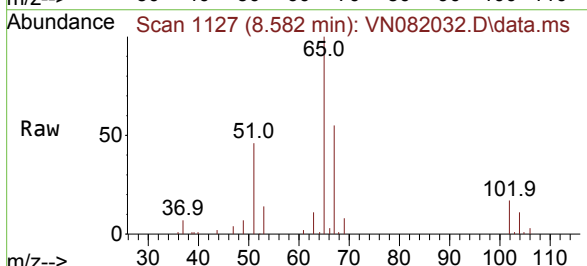
Acq: 08 May 2024 17:13

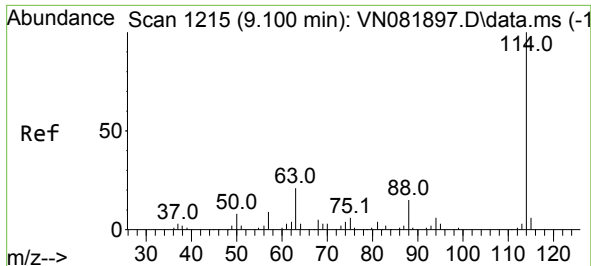
Tgt Ion: 65 Resp: 75841

Ion Ratio Lower Upper

65 100

67 52.9 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082032.D

Acq: 08 May 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

240507057-01

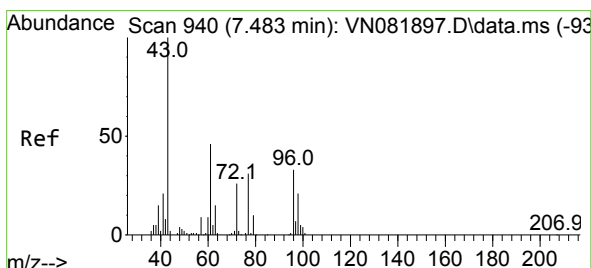
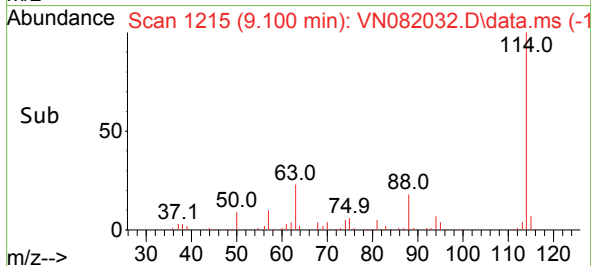
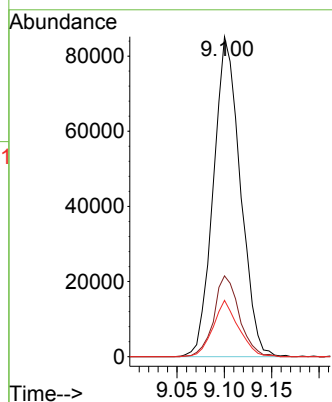
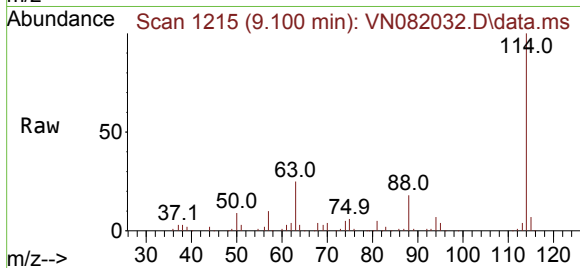
Tgt Ion:114 Resp: 168480

Ion Ratio Lower Upper

114 100

63 23.9 15.9 23.9

88 16.6 12.7 19.1



#30

2-Butanone

Concen: 2.020 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN082032.D

Acq: 08 May 2024 17:13

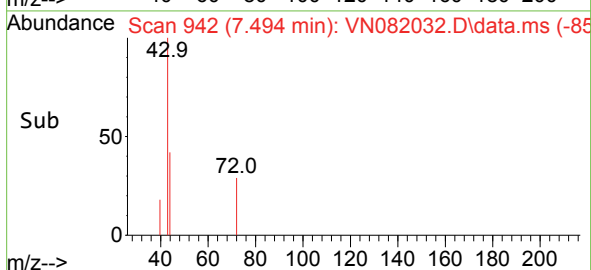
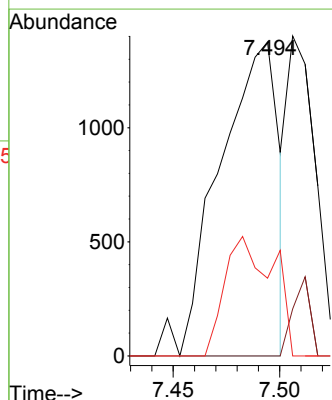
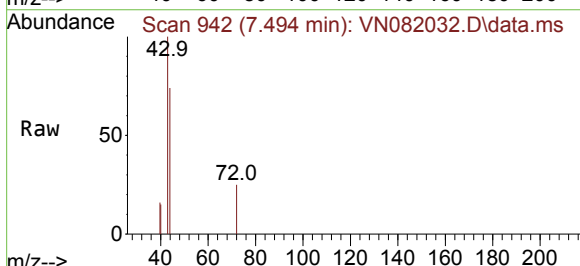
Tgt Ion: 43 Resp: 2612

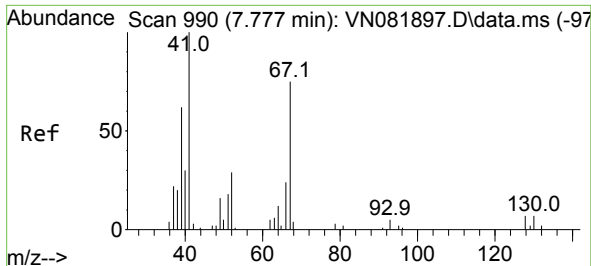
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 25.2 24.0 36.0

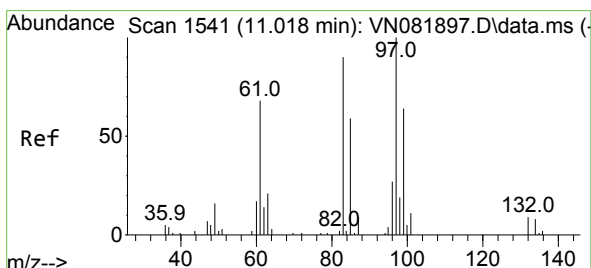
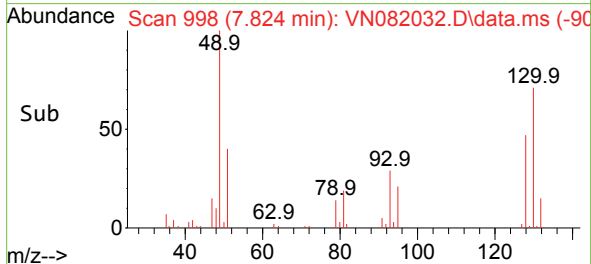
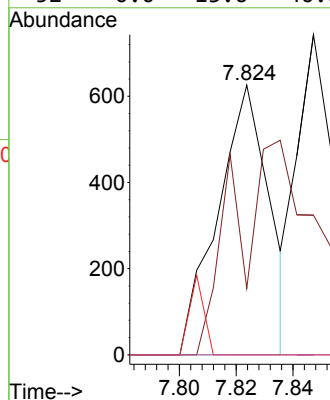
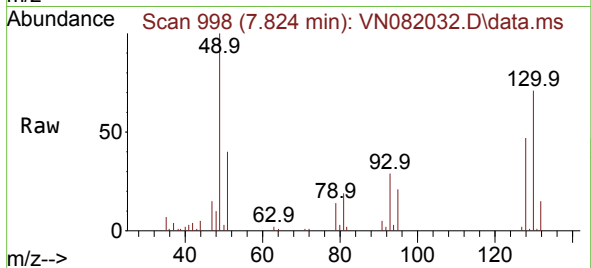




#35
Methacrylonitrile
Concen: 0.482 ug/l
RT: 7.824 min Scan# 990
Delta R.T. 0.047 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

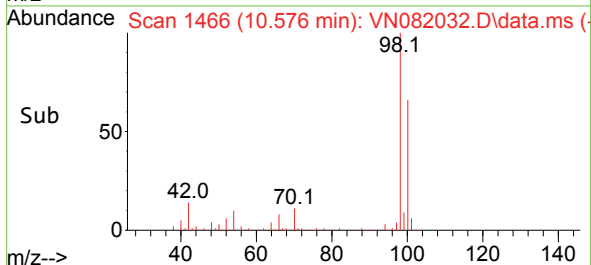
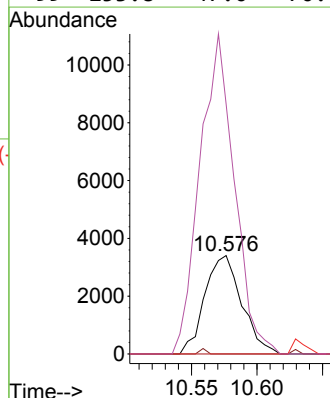
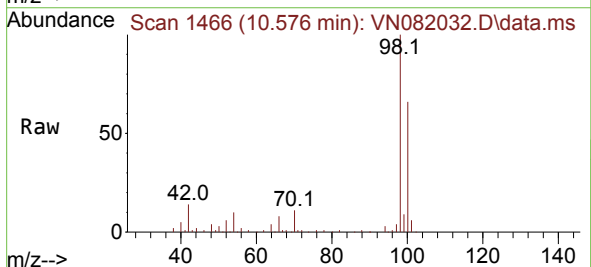
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240507057-01

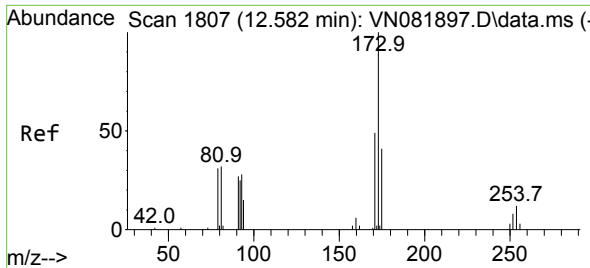
Tgt Ion: 41	Resp: 788
Ion Ratio	Lower Upper
41 100	
39 0.0	25.3 75.9#
67 0.0	38.7 116.1#
52 0.0	13.6 40.8#



#50
1,1,2-Trichloroethane
Concen: 3.735 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Tgt Ion: 97	Resp: 6683
Ion Ratio	Lower Upper
97 100	
83 0.0	68.1 102.1#
85 0.0	41.8 62.6#
99 253.8	47.0 70.4#

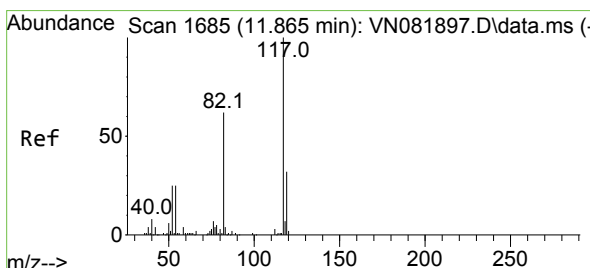
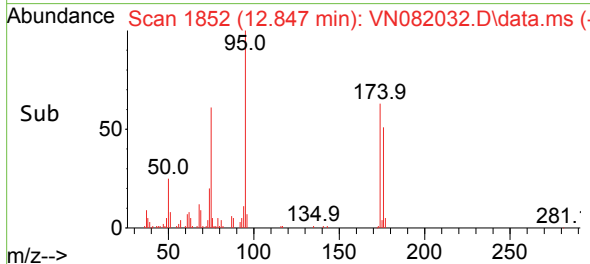
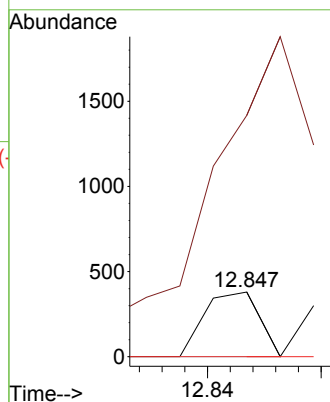
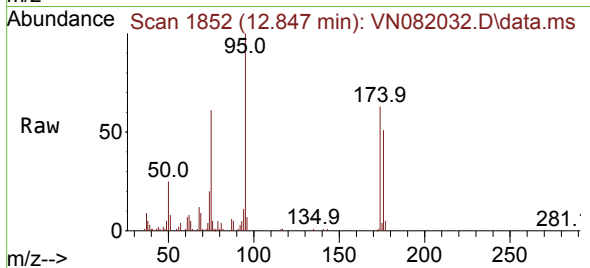




#56
Bromoform
Concen: 0.216 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

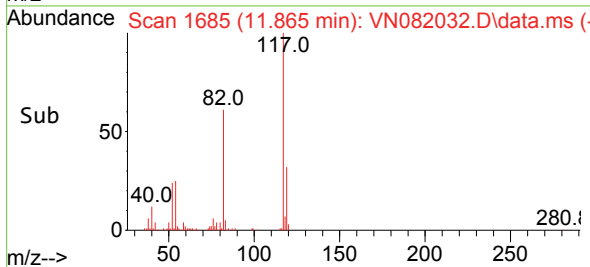
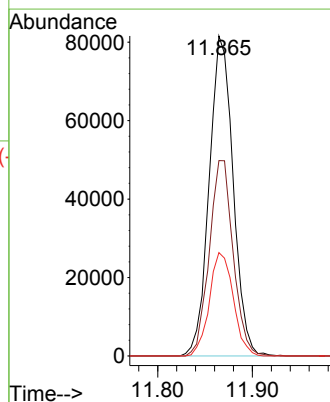
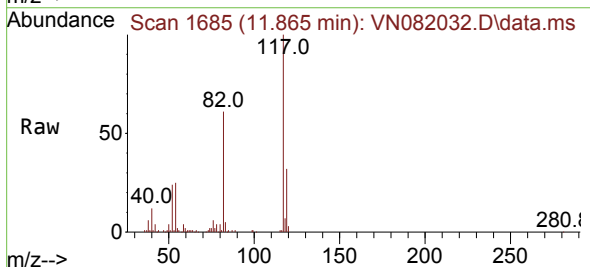
Instrument :
MSVOA_N
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240507057-01

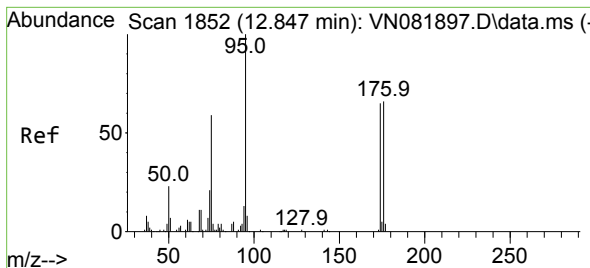
Tgt Ion:173 Resp: 256
Ion Ratio Lower Upper
173 100
175 0.0 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Tgt Ion:117 Resp: 143117
Ion Ratio Lower Upper
117 100
82 61.1 46.6 69.8
119 32.3 25.4 38.2

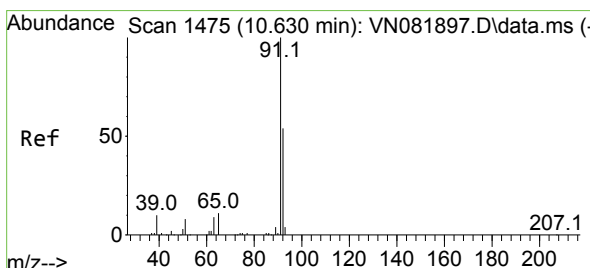
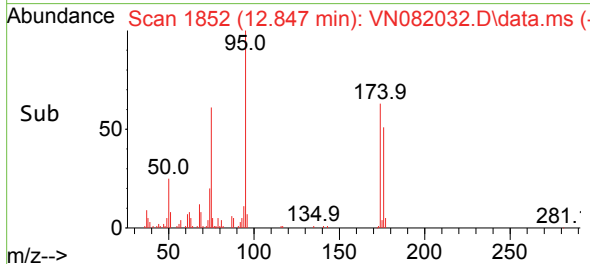
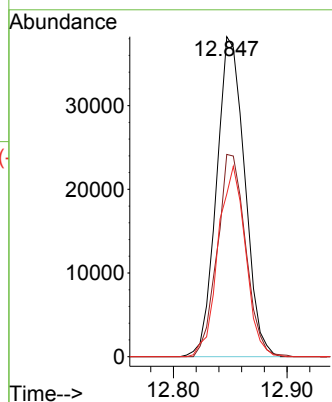
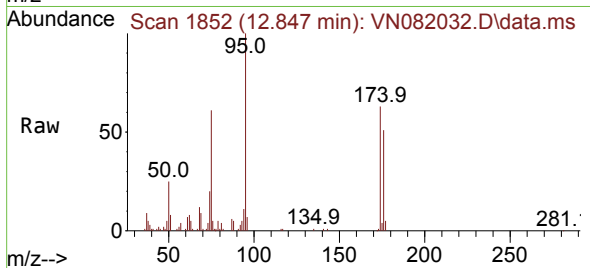




#60
4-Bromofluorobenzene
Concen: 27.630 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

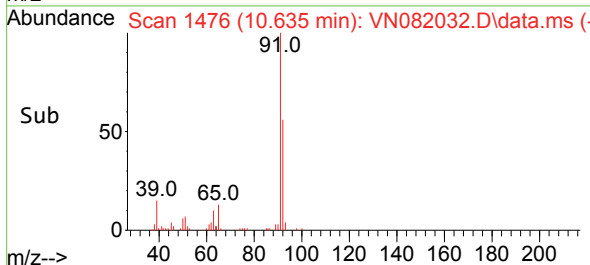
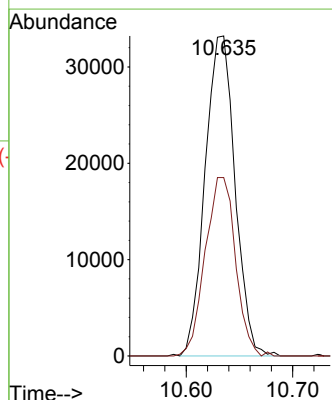
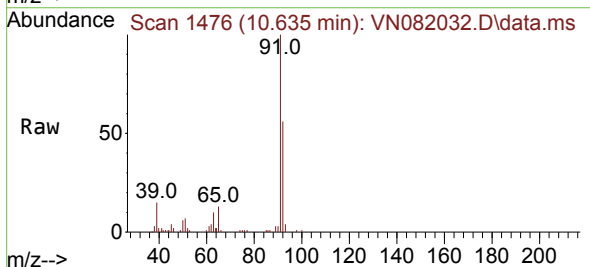
Instrument :
MSVOA_N
ClientSampleId :
240507057-01

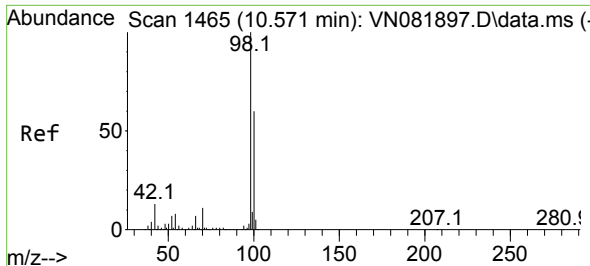
Tgt Ion: 95 Resp: 65808
Ion Ratio Lower Upper
95 100
174 63.7 60.5 90.7
176 58.0 57.8 86.6



#62
Toluene
Concen: 8.059 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Tgt Ion: 91 Resp: 64894
Ion Ratio Lower Upper
91 100
92 56.2 46.5 69.7

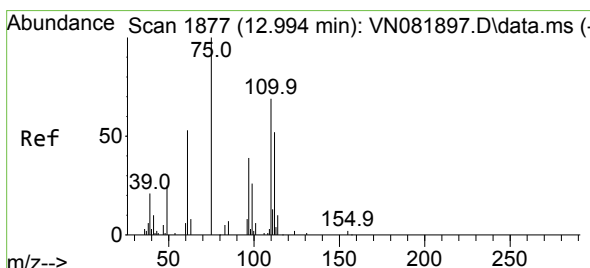
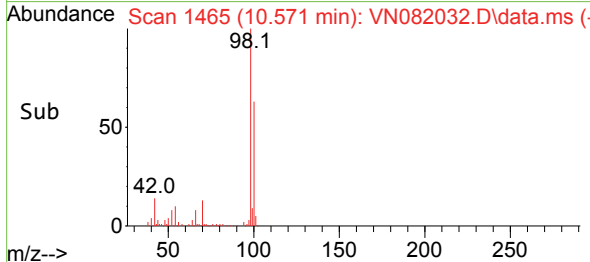
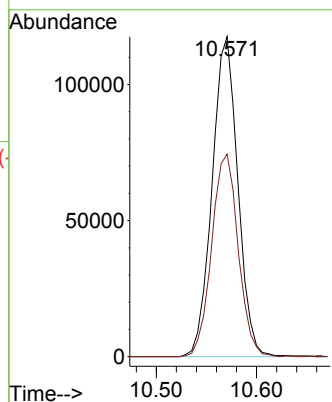
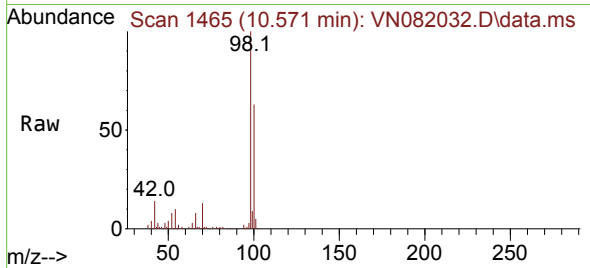




#63
Toluene-d8
Concen: 30.791 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

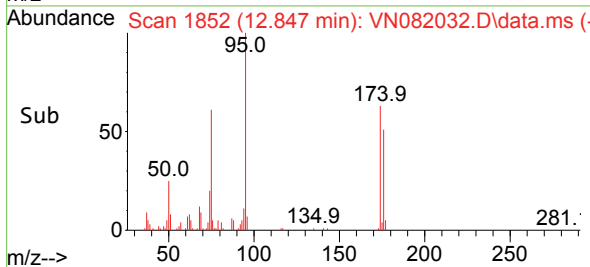
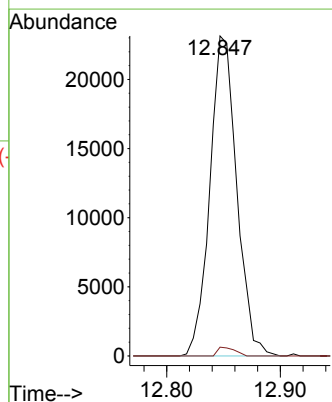
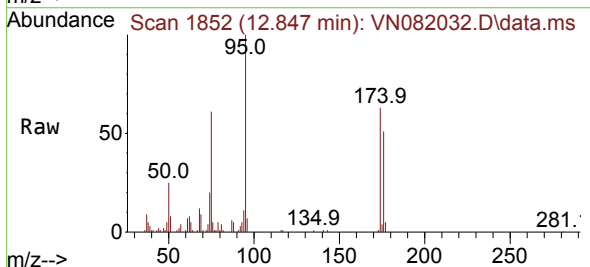
Instrument :
MSVOA_N
ClientSampleId :
240507057-01

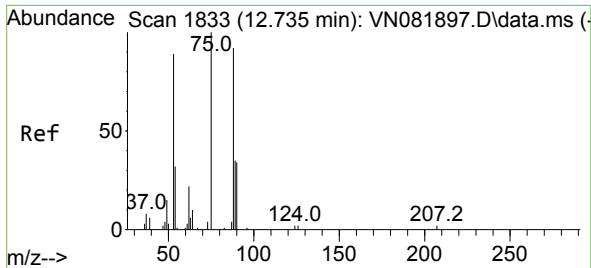
Tgt Ion: 98 Resp: 209279
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 17.233 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Tgt Ion: 75 Resp: 38127
Ion Ratio Lower Upper
75 100
77 1.8 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 38.719 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082032.D
Acq: 08 May 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :
240507057-01

Tgt Ion: 75 Resp: 38127
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

