

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082097.D
 Acq On : 13 May 2024 15:34
 Operator : JC\MD
 Sample : P2459-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240430044-02

Quant Time: May 14 03:33:24 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)

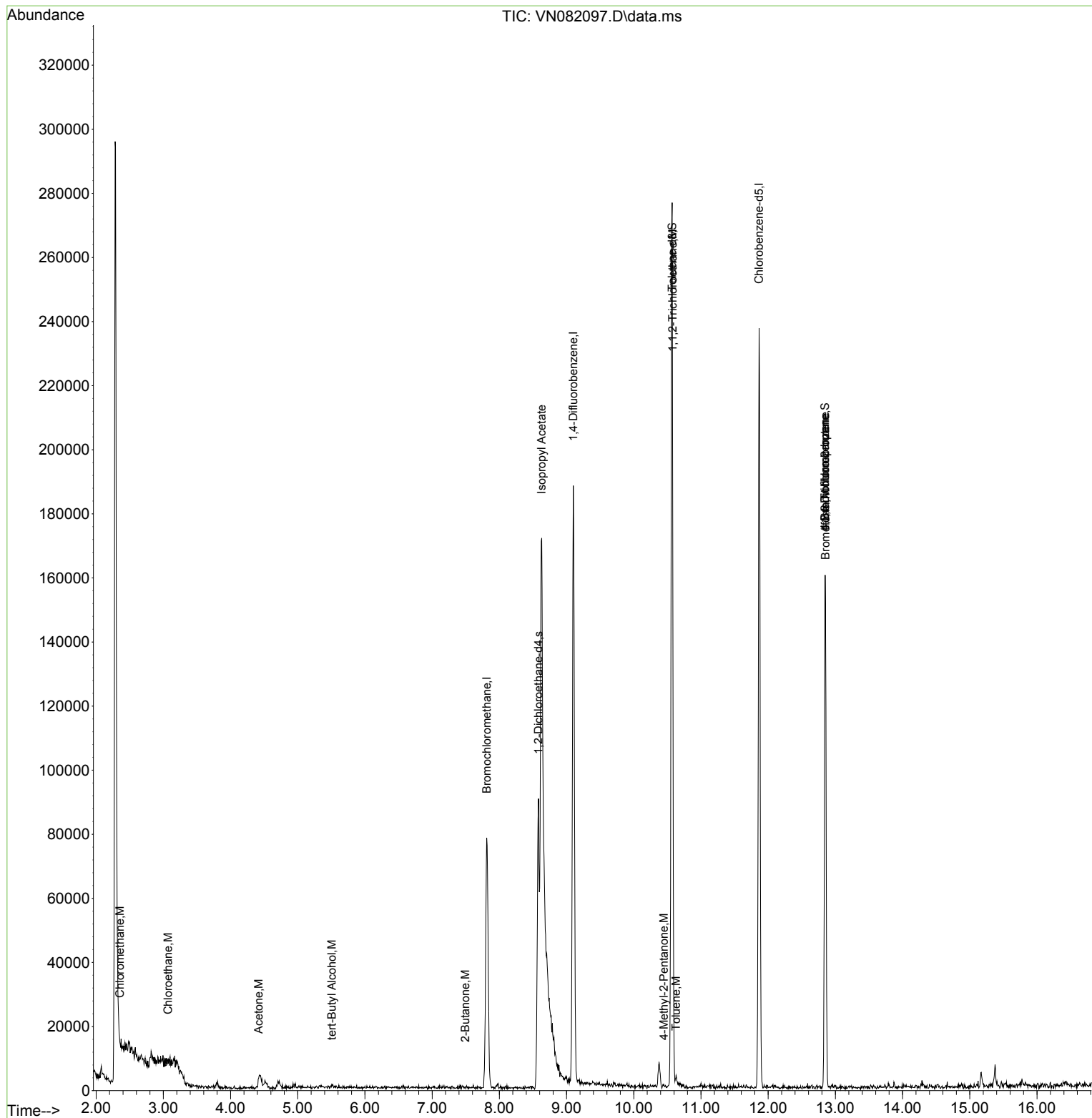
Internal Standards						
1) Bromochloromethane	7.812	128	25940	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	147769	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	121163	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	67419	31.043	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.467%	
60) 4-Bromofluorobenzene	12.847	95	54827	27.190	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.633%	
63) Toluene-d8	10.571	98	179911	31.267	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.233%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	477	0.279	ug/l #	43
6) Chloroethane	3.071	64	1803	1.974	ug/l	95
15) Acetone	4.418	58	1006	4.962	ug/l #	32
23) tert-Butyl Alcohol	5.506	59	531	1.425	ug/l #	100
30) 2-Butanone	7.494	43	524	0.462	ug/l #	52
44) Isopropyl Acetate	8.630	43	219687	50.048	ug/l #	44
50) 1,1,2-Trichloroethane	10.576	97	5304	3.379	ug/l #	1
56) Bromoform	12.853	173	440	0.423	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	705	0.300	ug/l #	38
62) Toluene	10.629	91	1784	0.262	ug/l #	65
72) 1,2,3-Trichloropropane	12.847	75	30686	16.383	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30686	36.809	ug/l #	12

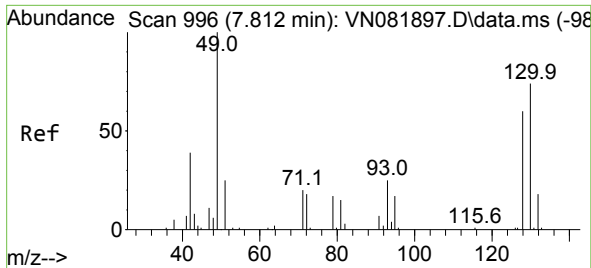
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2459-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240430044-02

Quant Time: May 14 03:33:24 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

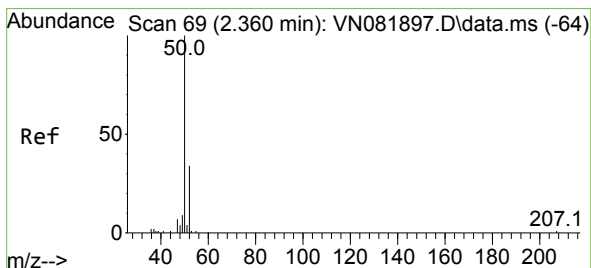
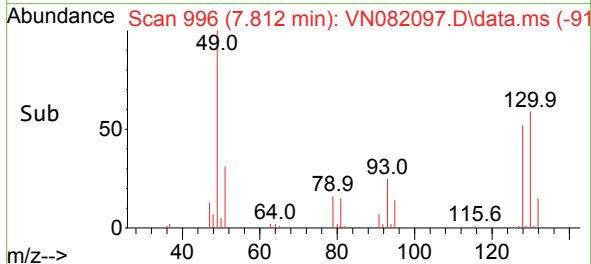
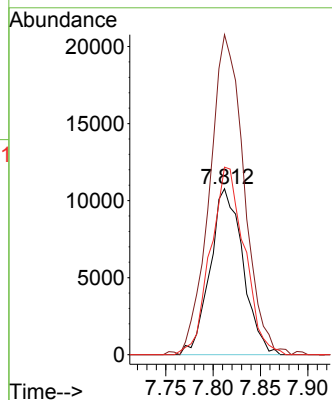
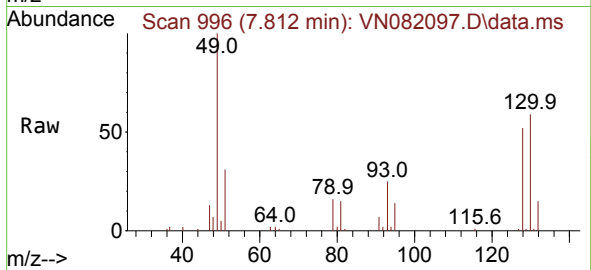




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

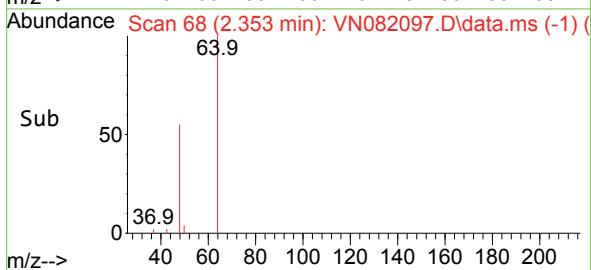
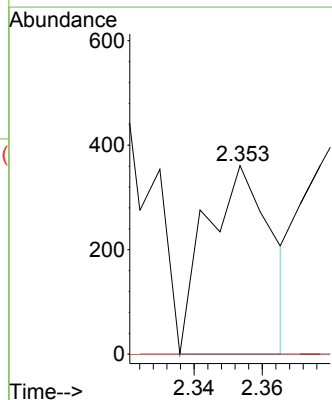
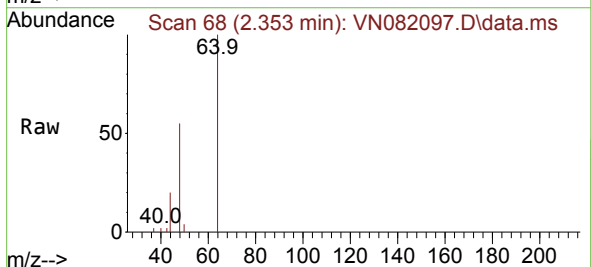
Instrument :
MSVOA_N
ClientSampleId :
240430044-02

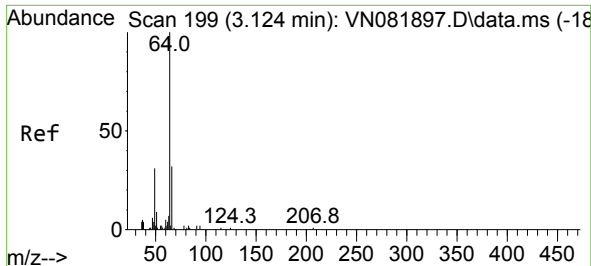
Tgt Ion:128 Resp: 25940
Ion Ratio Lower Upper
128 100
49 201.1 0.0 403.7
130 117.1 0.0 323.3



#3
Chloromethane
Concen: 0.279 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

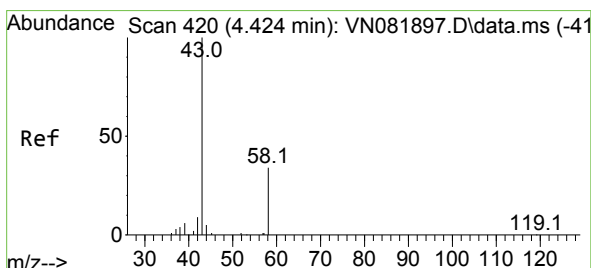
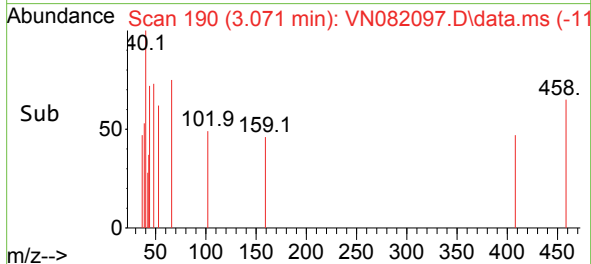
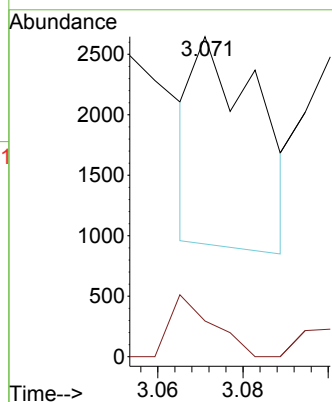
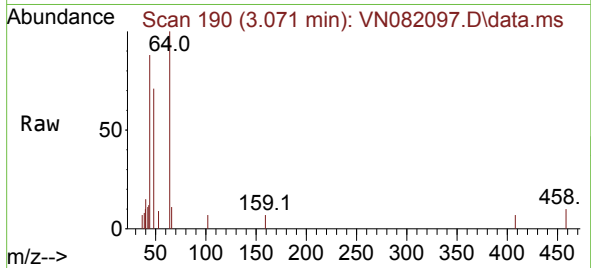




#6
Chloroethane
Concen: 1.974 ug/l
RT: 3.071 min Scan# 199
Delta R.T. -0.053 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

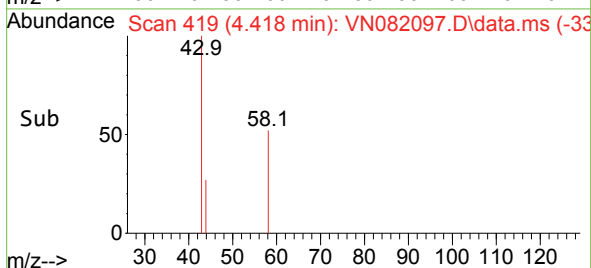
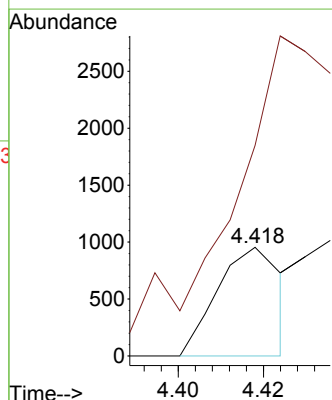
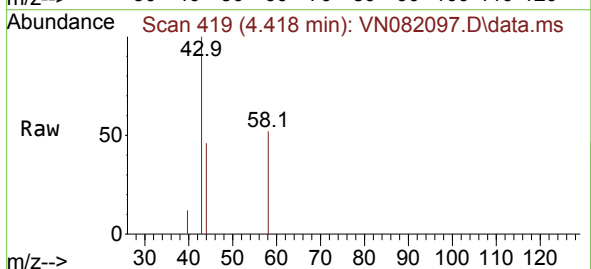
Instrument :
MSVOA_N
ClientSampleId :
240430044-02

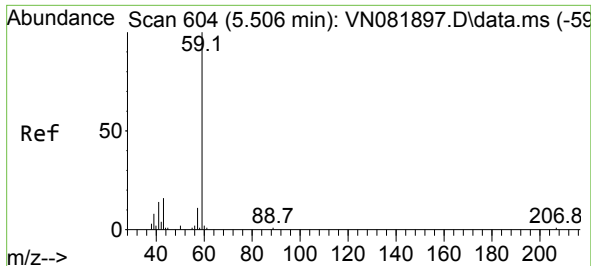
Tgt Ion: 64 Resp: 1803
Ion Ratio Lower Upper
64 100
66 30.7 26.7 40.1



#15
Acetone
Concen: 4.962 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 58 Resp: 1006
Ion Ratio Lower Upper
58 100
43 152.2 223.1 334.7#

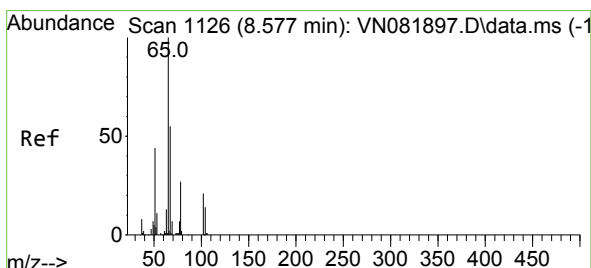
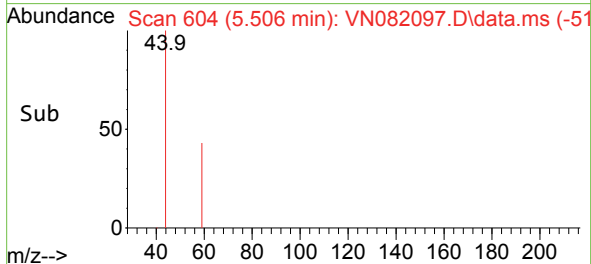
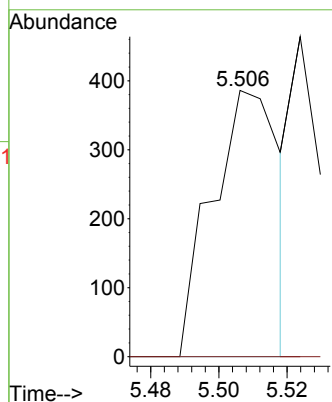
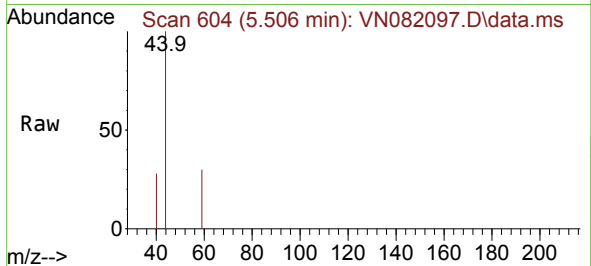




#23
tert-Butyl Alcohol
Concen: 1.425 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

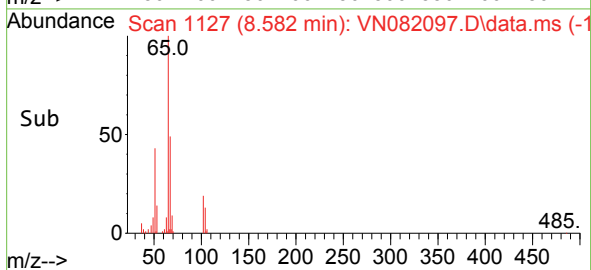
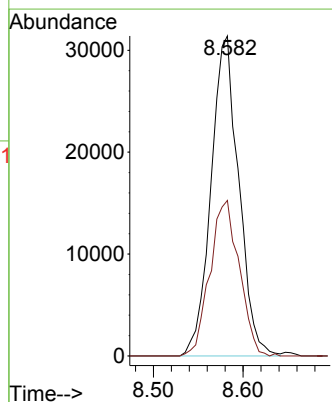
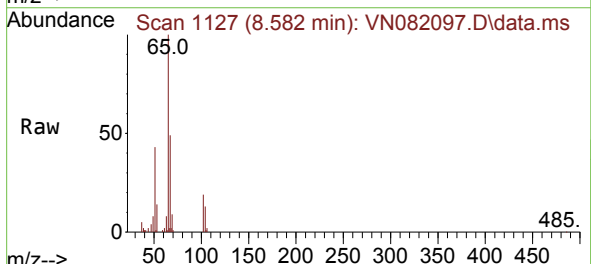
Instrument :
MSVOA_N
ClientSampleId :
240430044-02

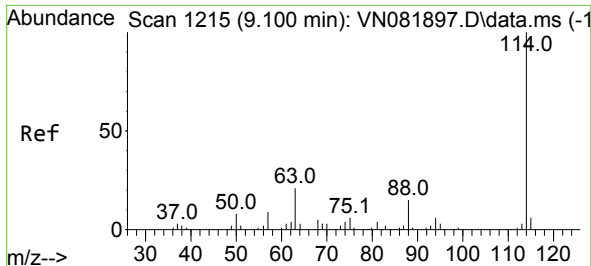
Tgt Ion: 59 Resp: 531
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.043 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 65 Resp: 67419
Ion Ratio Lower Upper
65 100
67 51.3 43.2 64.8

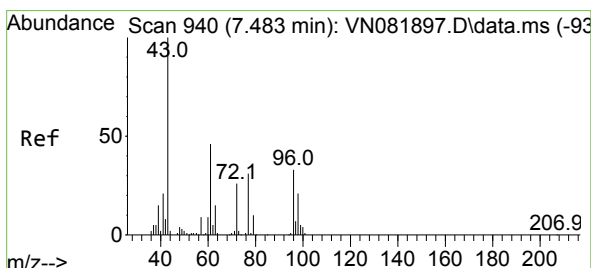
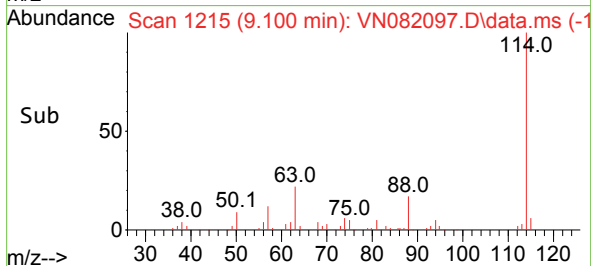
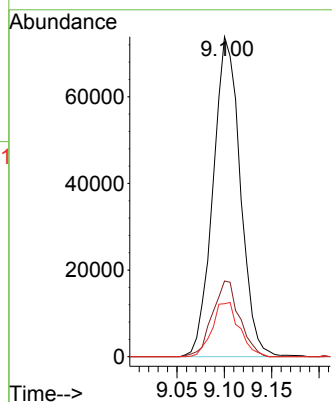
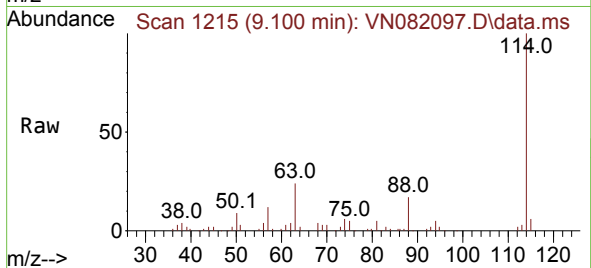




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

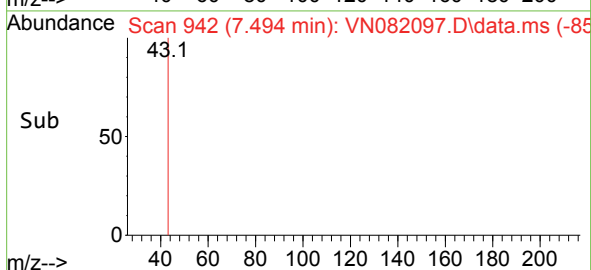
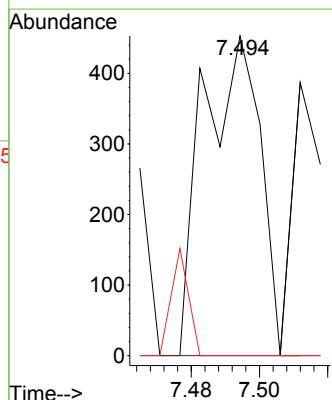
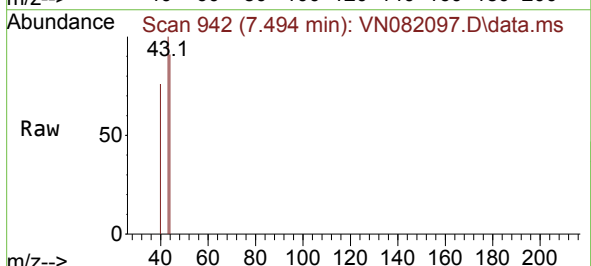
Instrument :
MSVOA_N
ClientSampleId :
240430044-02

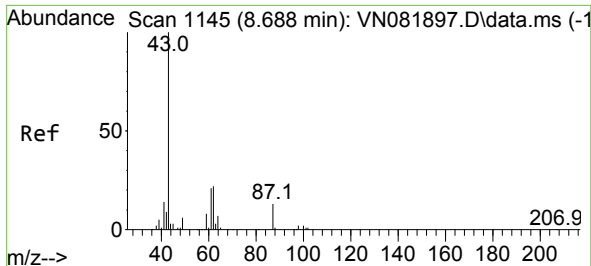
Tgt Ion:114 Resp: 147769
Ion Ratio Lower Upper
114 100
63 23.5 15.9 23.9
88 17.0 12.7 19.1



#30
2-Butanone
Concen: 0.462 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#

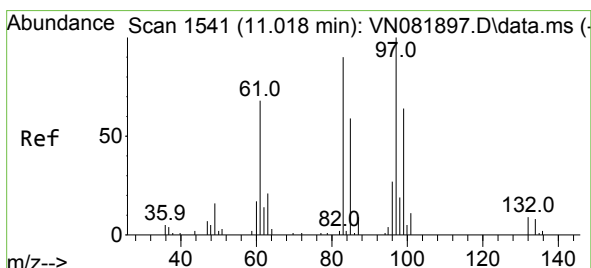
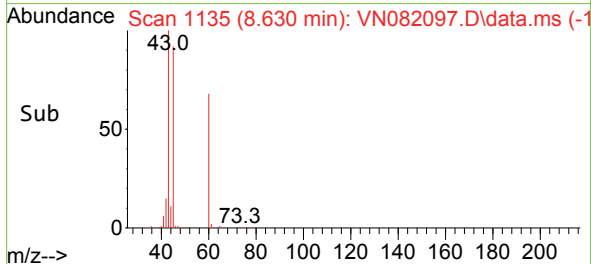
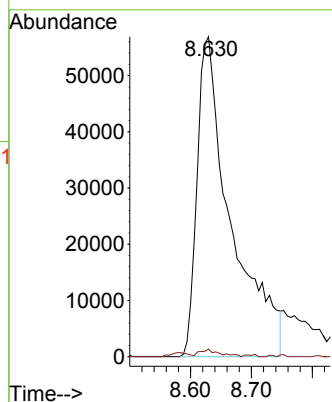
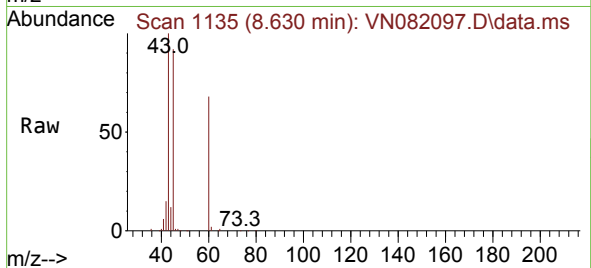




#44
Isopropyl Acetate
Concen: 50.048 ug/l
RT: 8.630 min Scan# 1145
Delta R.T. -0.059 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

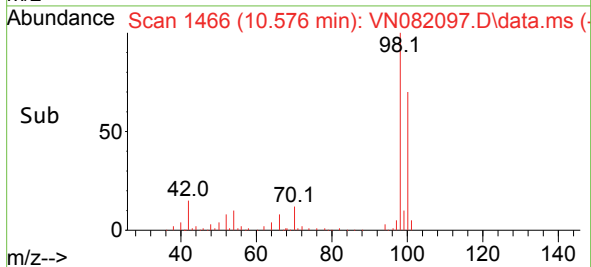
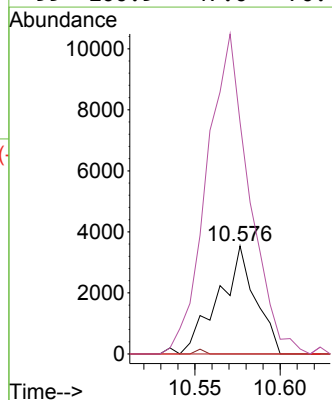
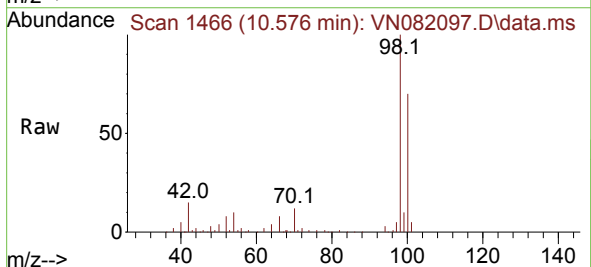
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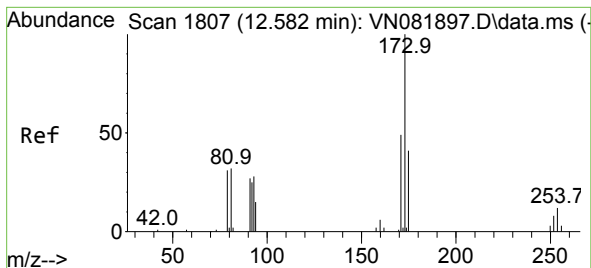
Tgt Ion: 43 Resp: 219687
Ion Ratio Lower Upper
43 100
61 0.2 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 3.379 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 97 Resp: 5304
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 200.9 47.0 70.4#





#56

Bromoform

Concen: 0.423 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.270 min

Lab File: VN082097.D

Acq: 13 May 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :

240430044-02

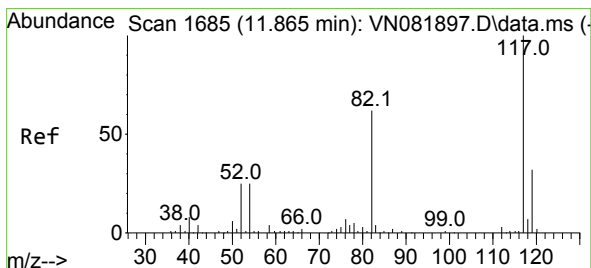
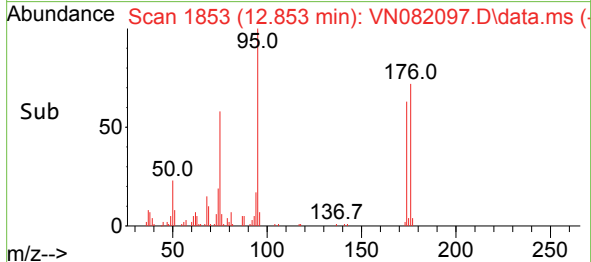
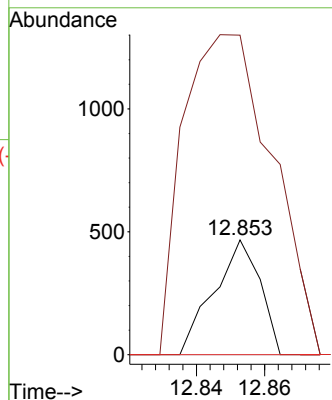
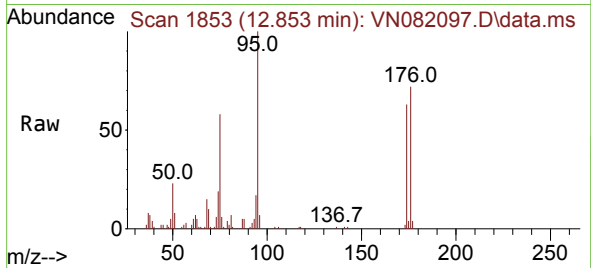
Tgt Ion:173 Resp: 440

Ion Ratio Lower Upper

173 100

175 538.0 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: VN082097.D

Acq: 13 May 2024 15:34

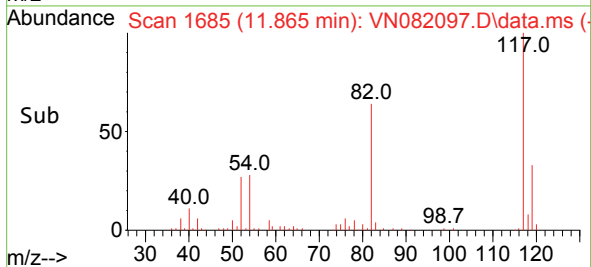
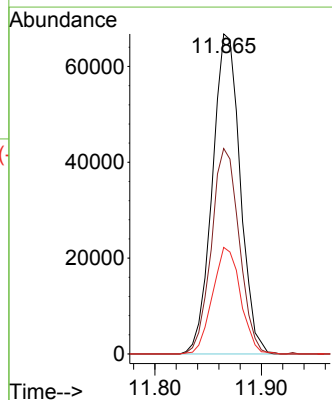
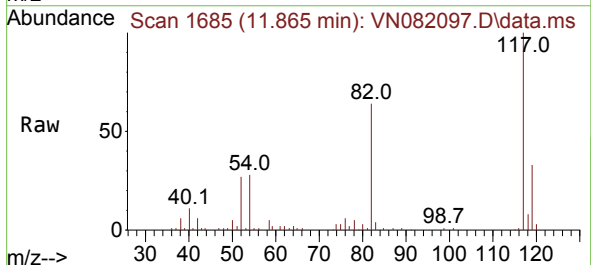
Tgt Ion:117 Resp: 121163

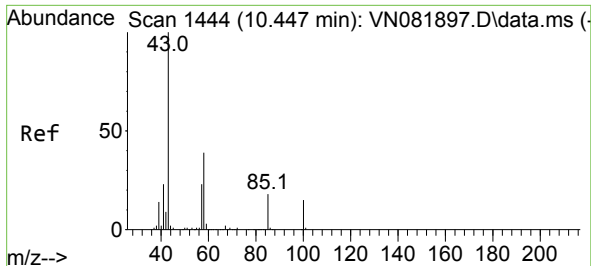
Ion Ratio Lower Upper

117 100

82 64.2 46.6 69.8

119 33.5 25.4 38.2

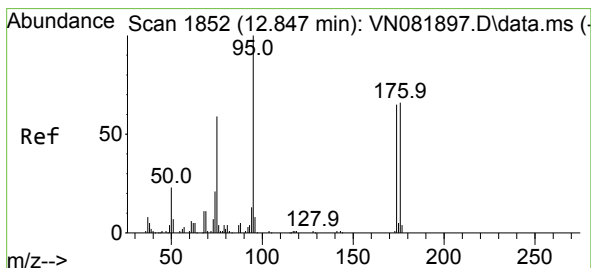
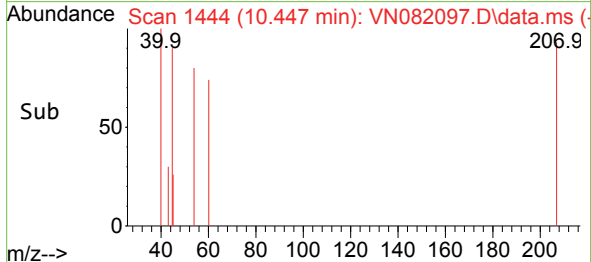
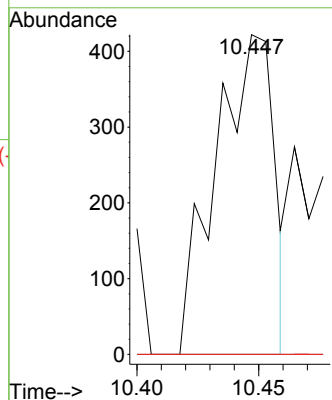
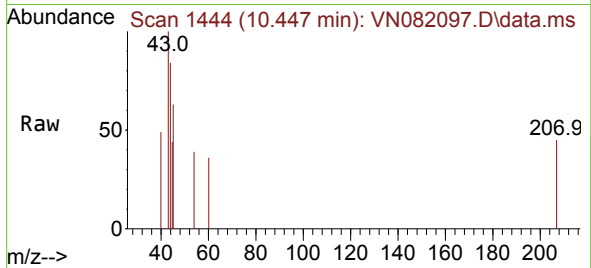




#58
4-Methyl-2-Pentanone
Concen: 0.300 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

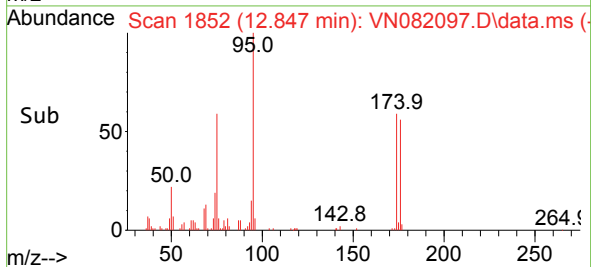
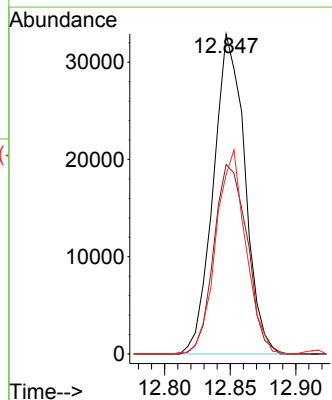
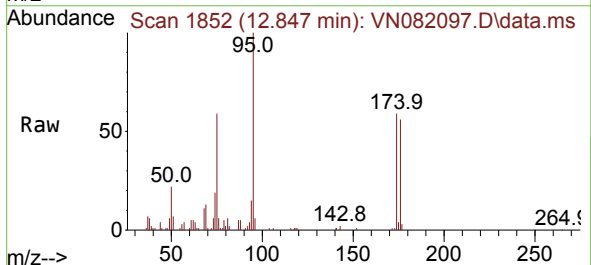
Instrument :
MSVOA_N
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240430044-02

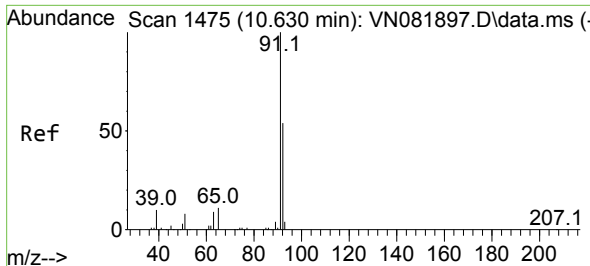
Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
58 0.0 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 27.190 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 95 Resp: 54827
Ion Ratio Lower Upper
95 100
174 63.0 60.5 90.7
176 60.9 57.8 86.6

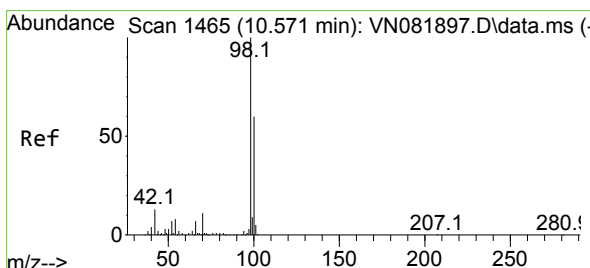
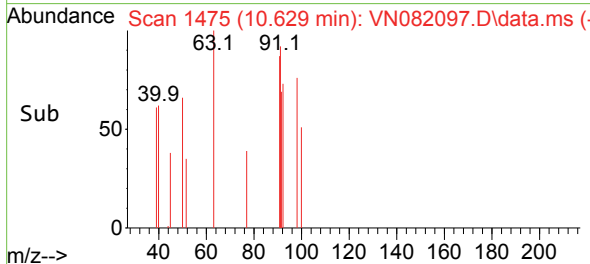
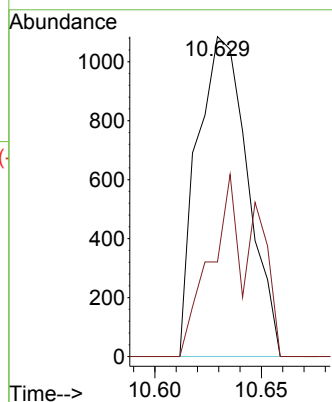
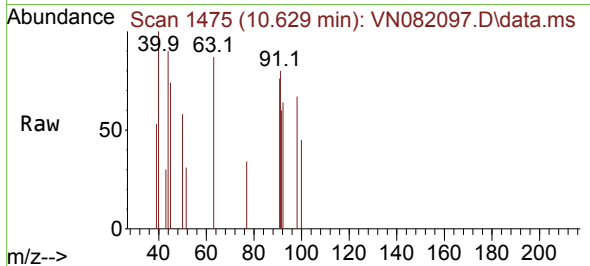




#62
Toluene
Concen: 0.262 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

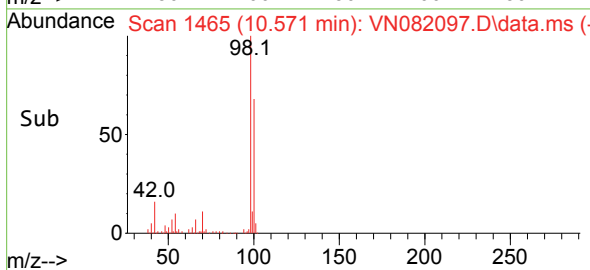
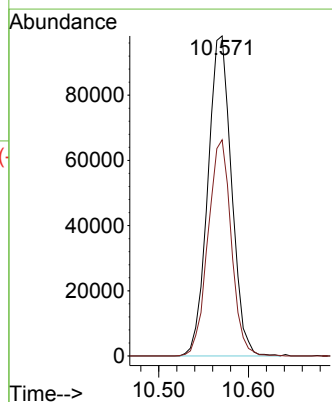
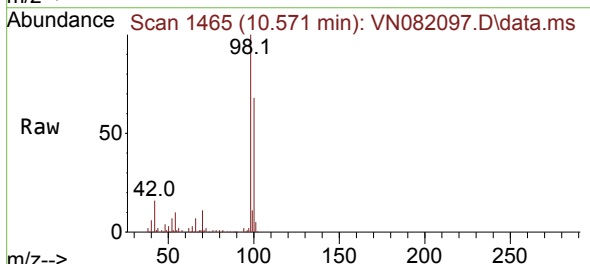
Instrument :
MSVOA_N
ClientSampleId :
240430044-02

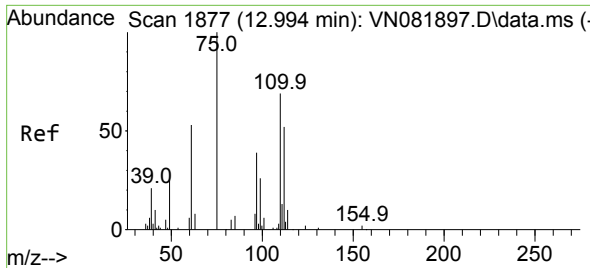
Tgt Ion: 91 Resp: 1784
Ion Ratio Lower Upper
91 100
92 32.2 46.5 69.7#



#63
Toluene-d8
Concen: 31.267 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 98 Resp: 179911
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1

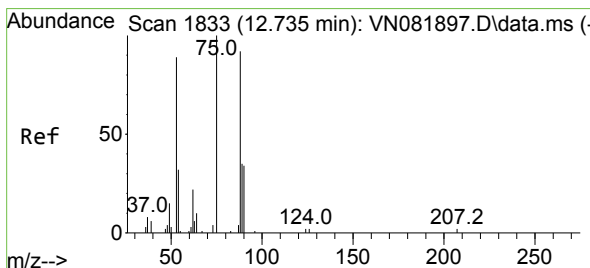
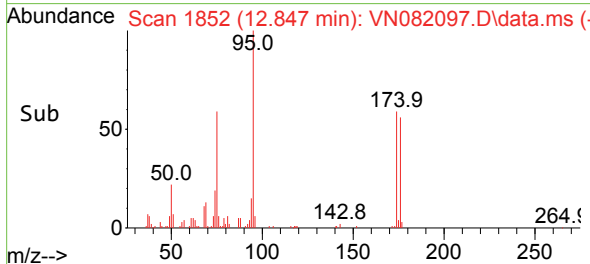
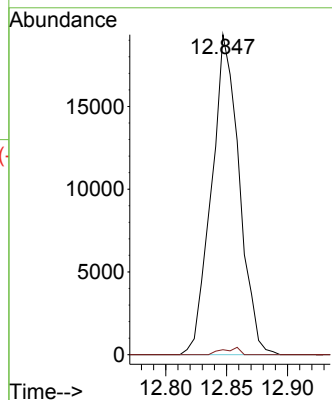
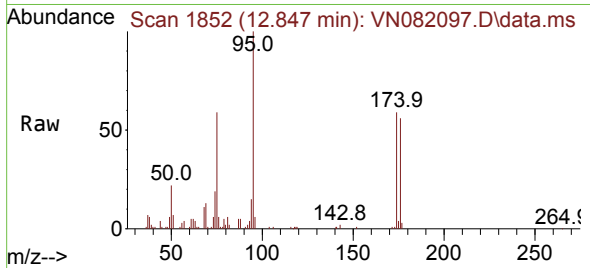




#72
1,2,3-Trichloropropane
Concen: 16.383 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :
240430044-02

Tgt Ion: 75 Resp: 30686
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 36.809 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082097.D
Acq: 13 May 2024 15:34

Tgt Ion: 75 Resp: 30686
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

