

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082100.D
 Acq On : 13 May 2024 16:46
 Operator : JC\MD
 Sample : P2461-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240410005-03

Quant Time: May 14 03:34:17 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)

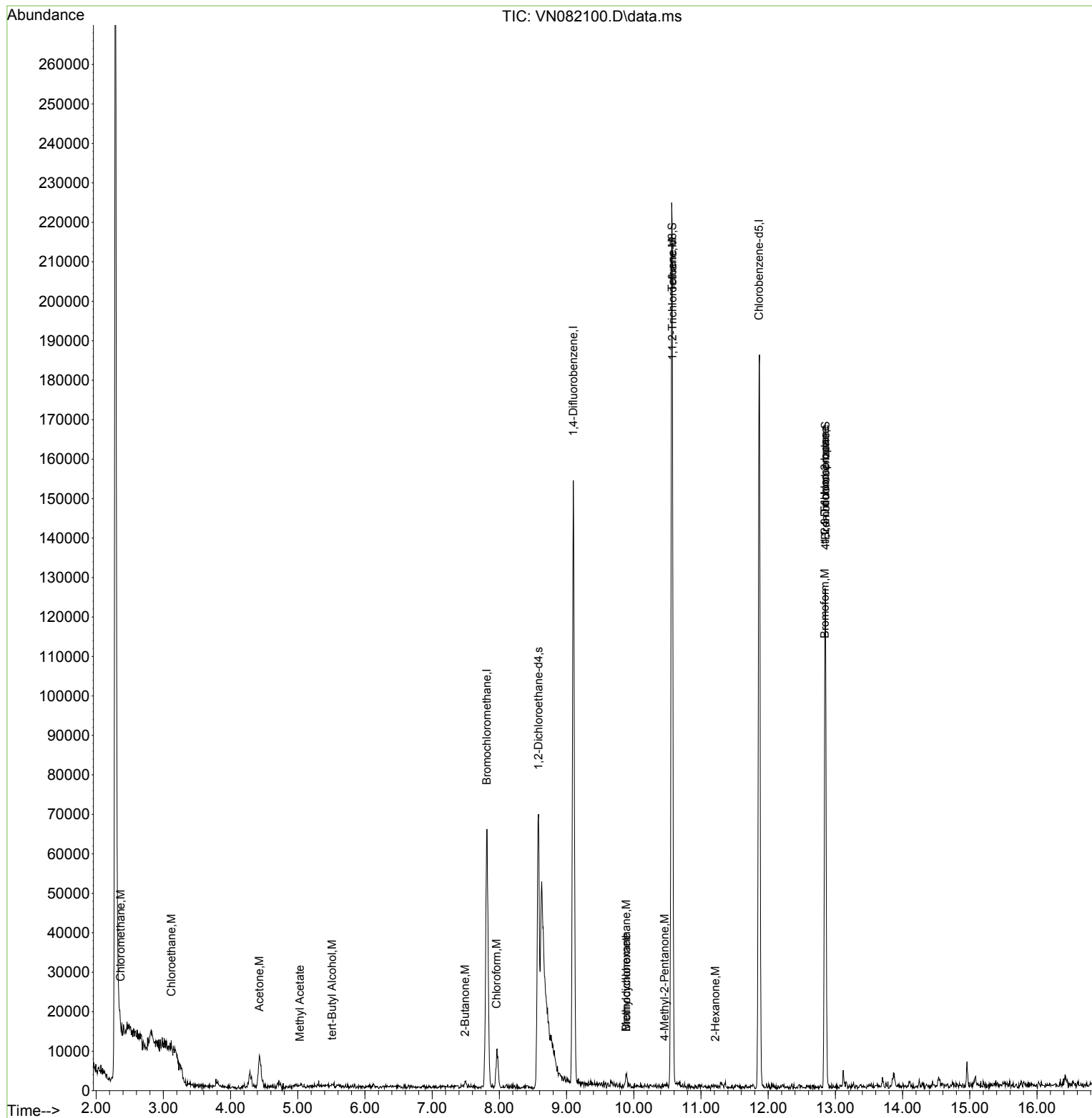
Internal Standards						
1) Bromochloromethane	7.812	128	19512	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	117617	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	96787	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	53150	32.535	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.433%			
60) 4-Bromofluorobenzene	12.853	95	45890	28.490	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.967%			
63) Toluene-d8	10.571	98	149287	32.479	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 108.267%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	437	0.340	ug/l #	43
6) Chloroethane	3.118	64	1050	1.528	ug/l	99
12) Methyl Acetate	5.030	43	429	0.288	ug/l #	40
15) Acetone	4.430	58	1019	6.682	ug/l #	56
23) tert-Butyl Alcohol	5.512	59	152	0.542	ug/l #	100
25) Chloroform	7.959	83	8436	3.580	ug/l	86
30) 2-Butanone	7.489	43	516	0.572	ug/l #	70
38) Methylcyclohexane	9.888	83	1572	0.743	ug/l #	19
41) Bromodichloromethane	9.888	83	1629	0.828	ug/l #	78
50) 1,1,2-Trichloroethane	10.577	97	2987	2.391	ug/l #	1
56) Bromoform	12.841	173	277	0.335	ug/l #	1
58) 4-Methyl-2-Pentanone	10.459	43	520	0.277	ug/l #	38
59) 2-Hexanone	11.212	43	414	0.297	ug/l #	28
72) 1,2,3-Trichloropropane	12.847	75	26718	17.857	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	26718	40.121	ug/l #	12

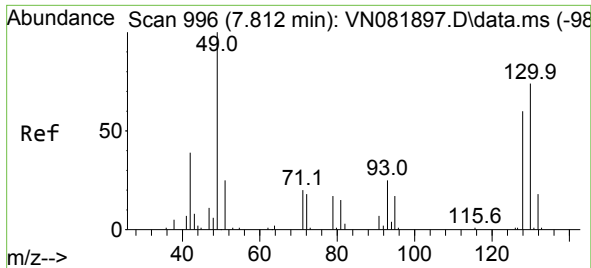
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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240410005-03

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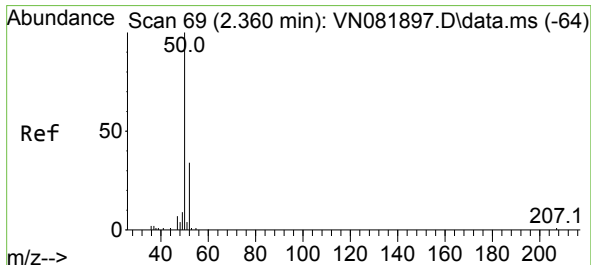
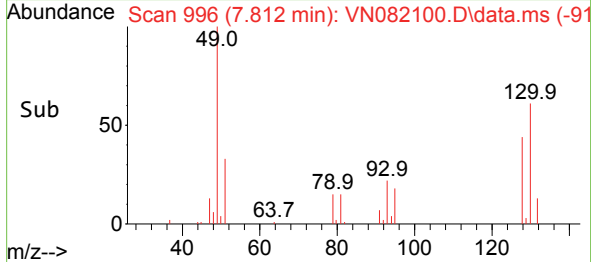
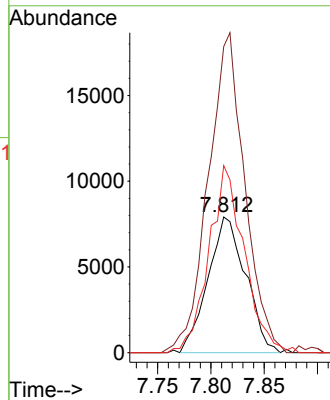
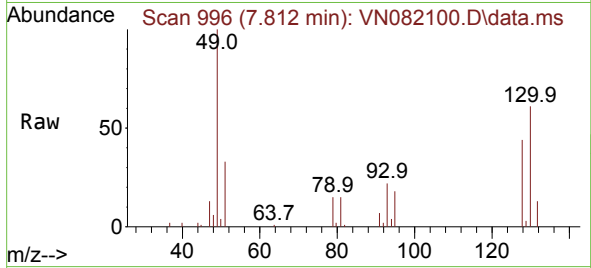




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

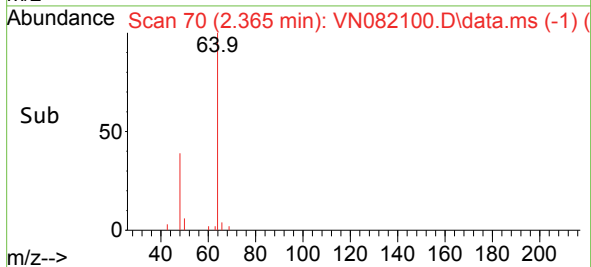
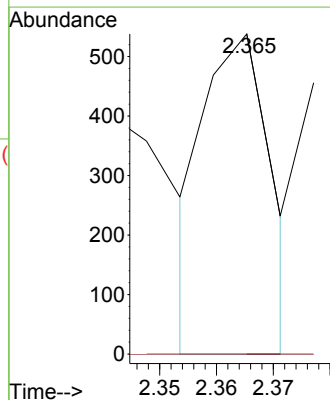
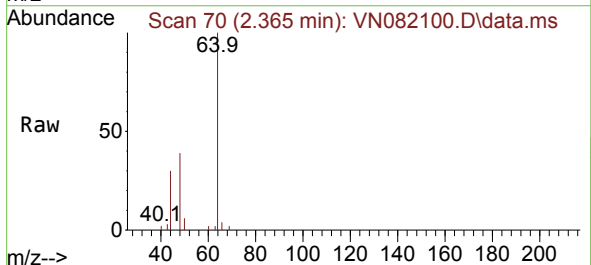
Instrument :
MSVOA_N
ClientSampleId :
240410005-03

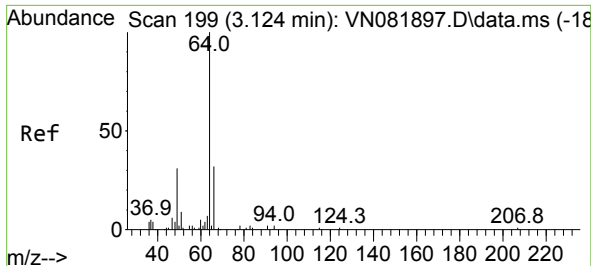
Tgt Ion:	128	Resp:	19512
Ion	Ratio	Lower	Upper
128	100		
49	228.2	0.0	403.7
130	129.4	0.0	323.3



#3
Chloromethane
Concen: 0.340 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Tgt Ion:	50	Resp:	437
Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.0

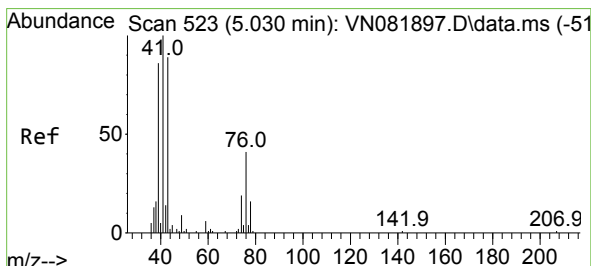
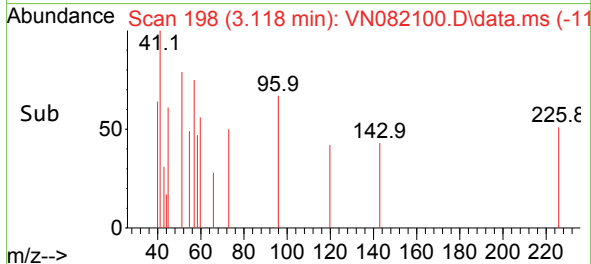
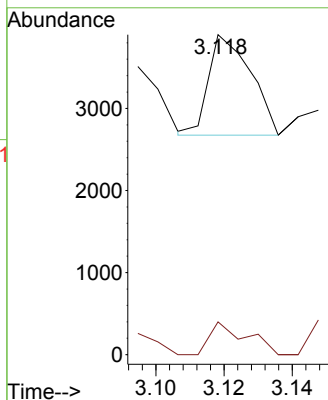
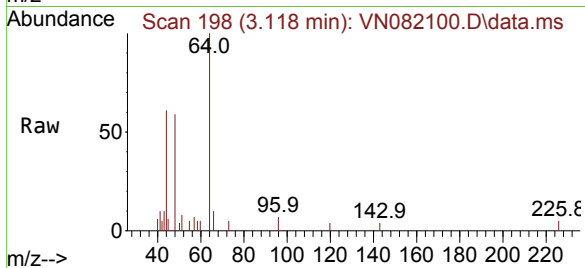




#6
Chloroethane
Concen: 1.528 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

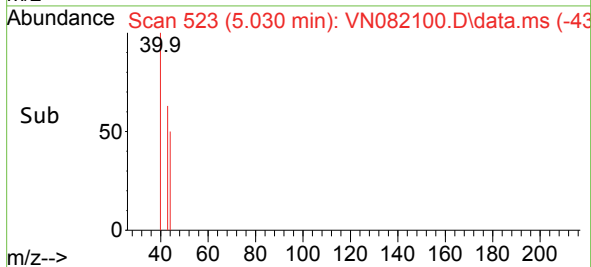
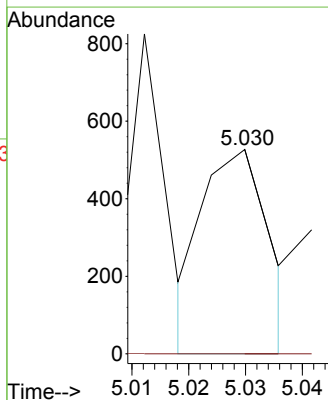
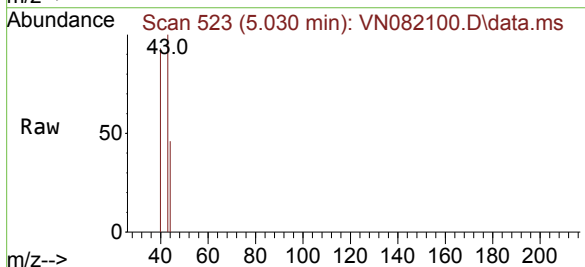
Instrument :
MSVOA_N
ClientSampleId :
240410005-03

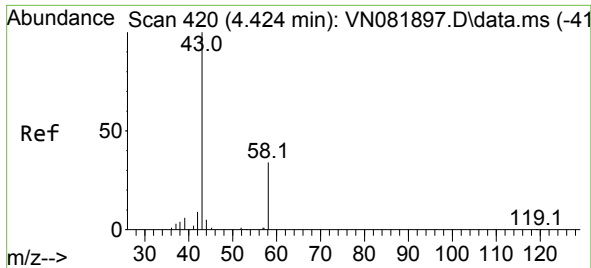
Tgt Ion: 64 Resp: 1050
Ion Ratio Lower Upper
64 100
66 32.6 26.7 40.1



#12
Methyl Acetate
Concen: 0.288 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#

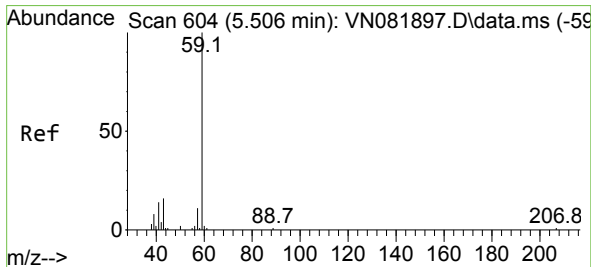
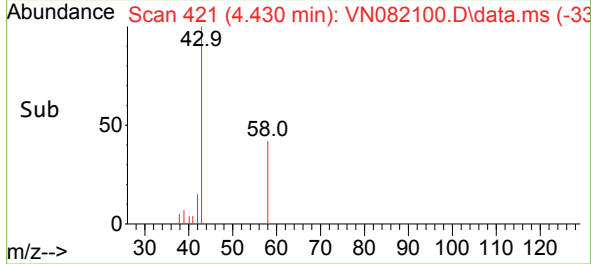
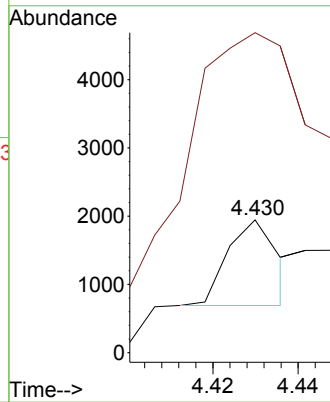
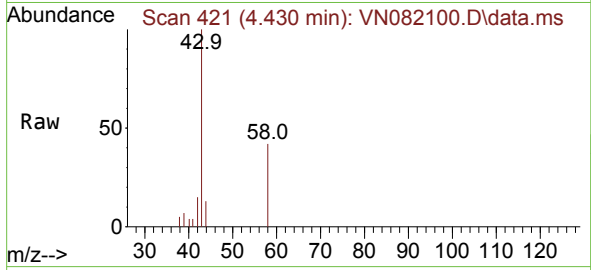




#15
Acetone
Concen: 6.682 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

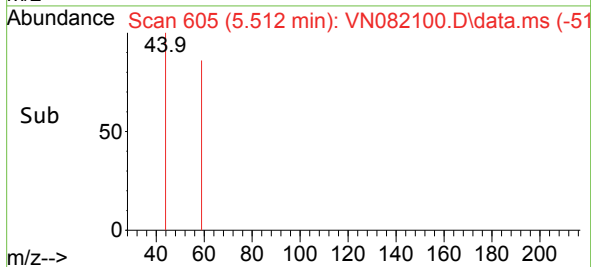
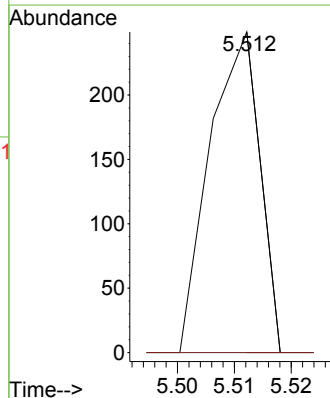
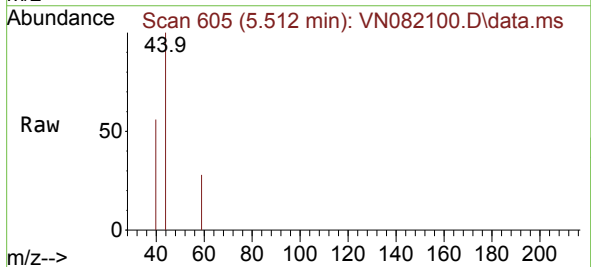
Instrument :
MSVOA_N
ClientSampleId :
240410005-03

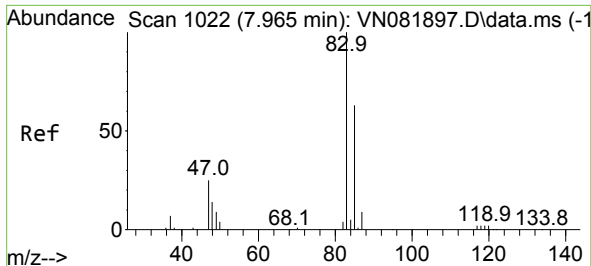
Tgt Ion: 58 Resp: 1019
Ion Ratio Lower Upper
58 100
43 196.8 223.1 334.7#



#23
tert-Butyl Alcohol
Concen: 0.542 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 3.580 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN082100.D

Acq: 13 May 2024 16:46

Instrument :

MSVOA_N

ClientSampleId :

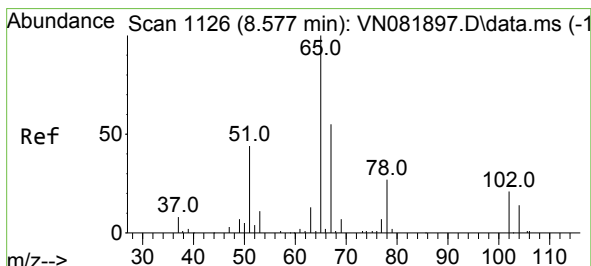
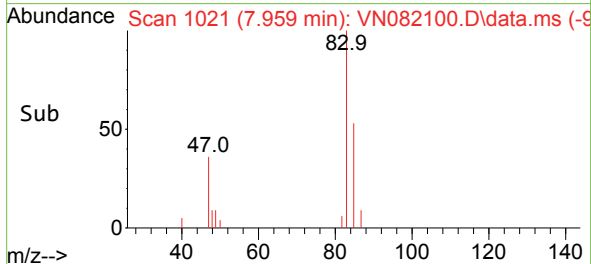
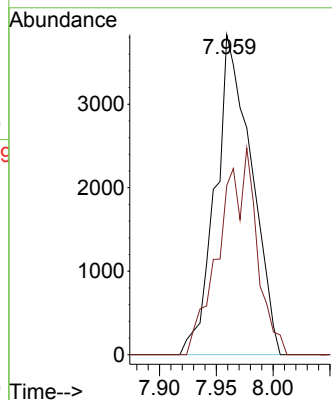
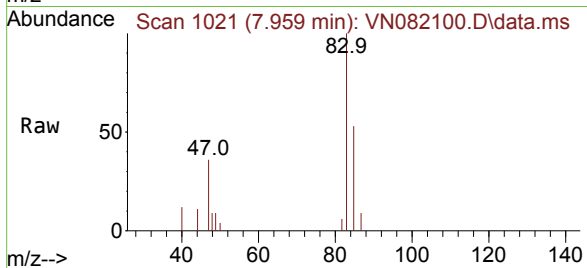
240410005-03

Tgt Ion: 83 Resp: 8436

Ion Ratio Lower Upper

83 100

85 52.8 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 32.535 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082100.D

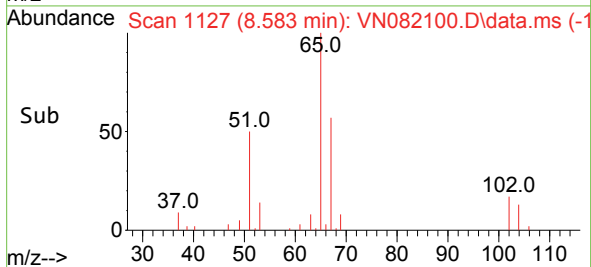
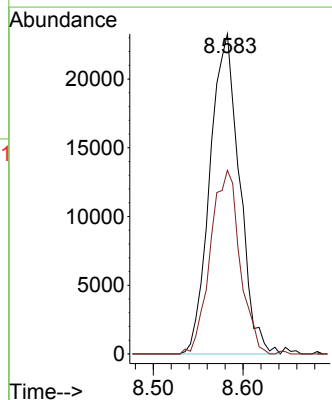
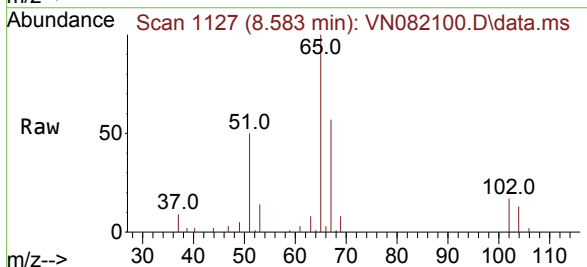
Acq: 13 May 2024 16:46

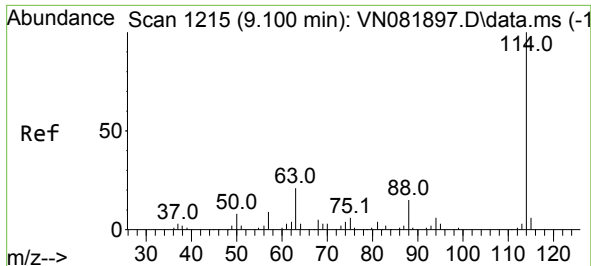
Tgt Ion: 65 Resp: 53150

Ion Ratio Lower Upper

65 100

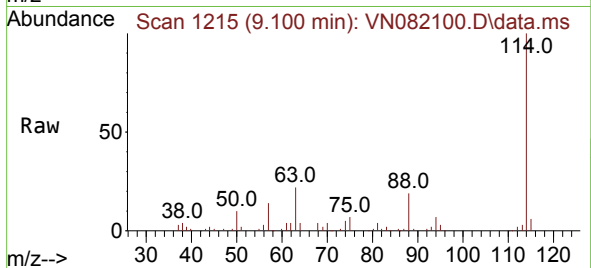
67 57.2 43.2 64.8



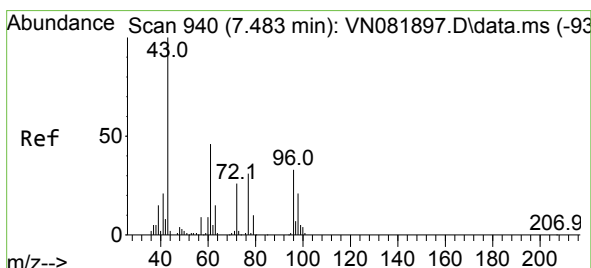
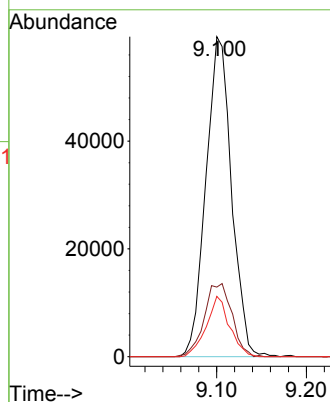
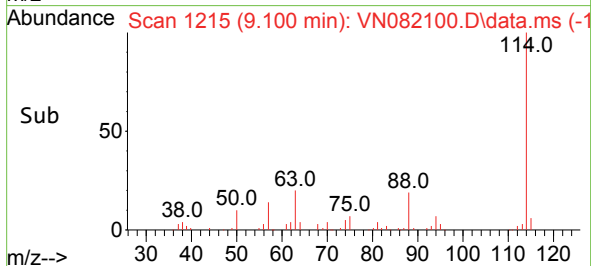


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 117617
Delta R.T. -0.000 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Instrument :
MSVOA_N
ClientSampleId :
240410005-03

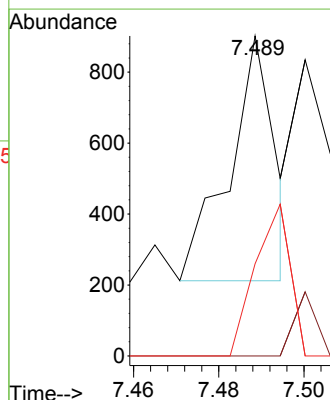
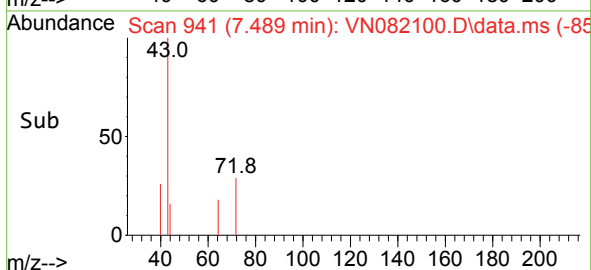
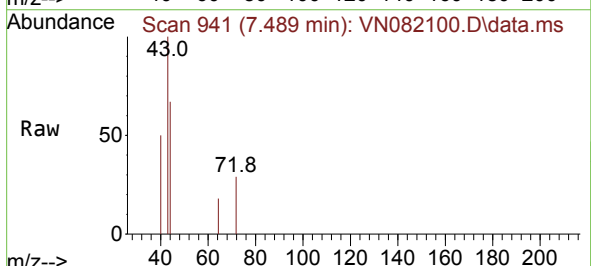


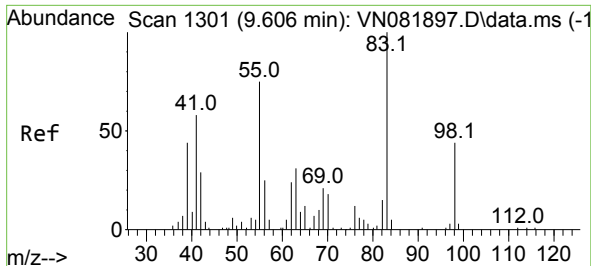
Tgt Ion:114 Resp: 117617
Ion Ratio Lower Upper
114 100
63 24.7 15.9 23.9#
88 17.2 12.7 19.1



#30
2-Butanone
Concen: 0.572 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 47.1 24.0 36.0#

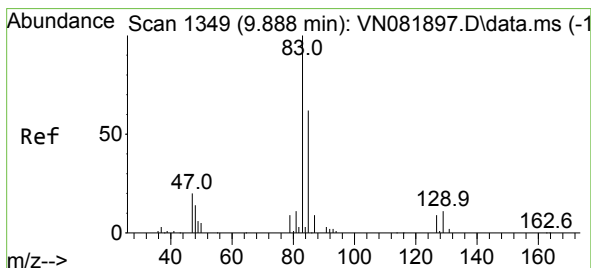
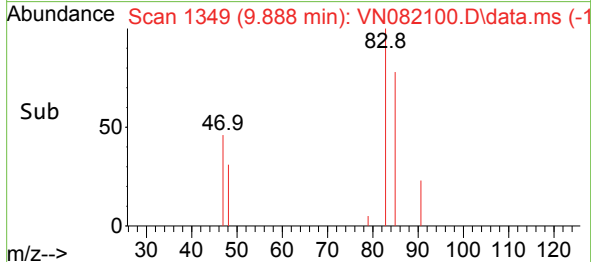
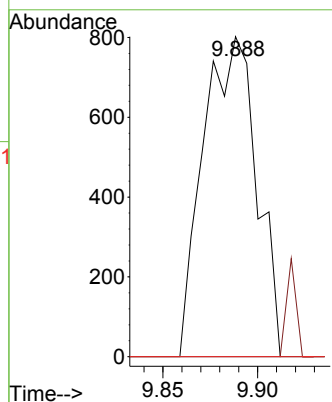
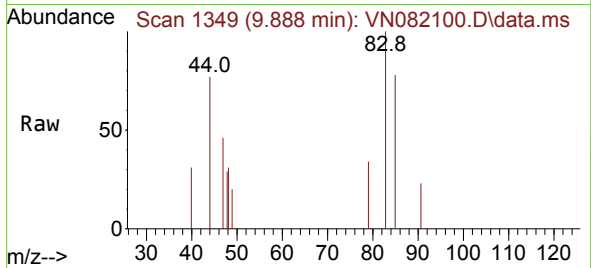




#38
Methylcyclohexane
Concen: 0.743 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.282 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

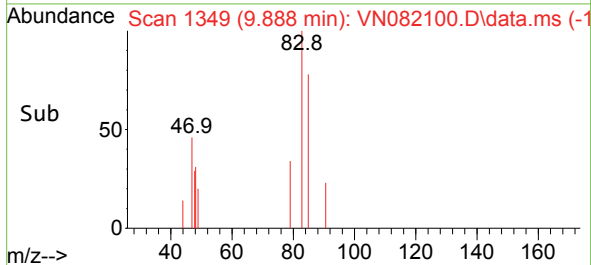
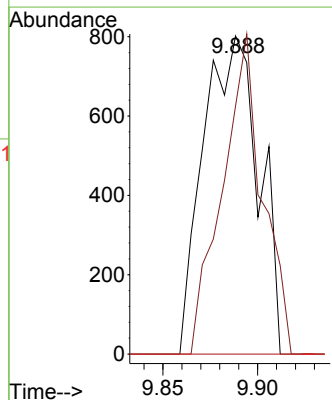
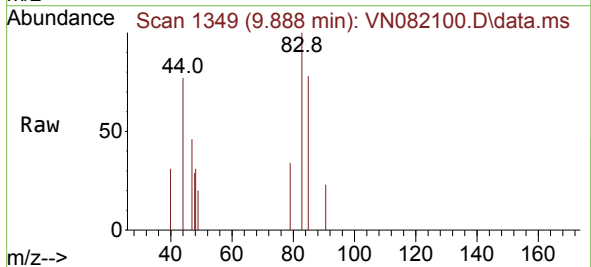
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ClientSampleId :
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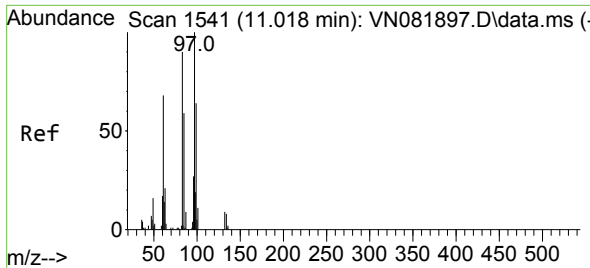
Tgt Ion: 83 Resp: 1572
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



#41
Bromodichloromethane
Concen: 0.828 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Tgt Ion: 83 Resp: 1629
Ion Ratio Lower Upper
83 100
85 78.1 49.4 74.2#
127 0.0 7.3 10.9#

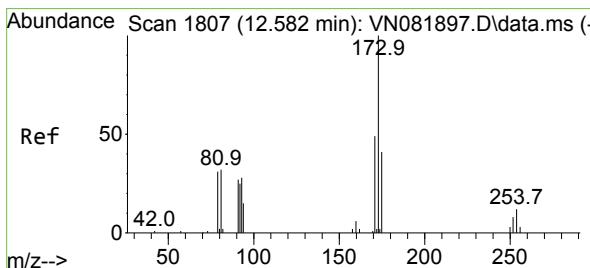
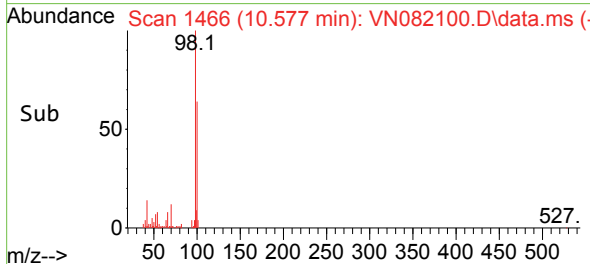
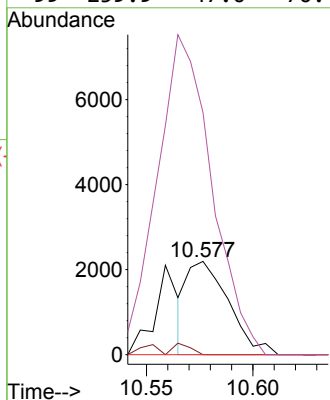
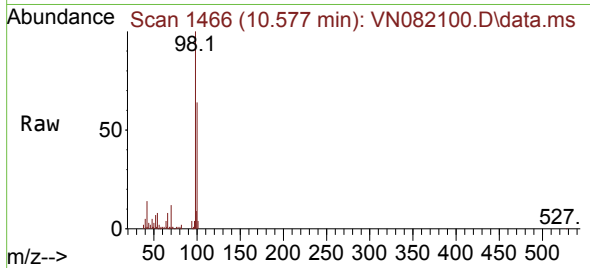




#50
1,1,2-Trichloroethane
Concen: 2.391 ug/l
RT: 10.577 min Scan# 14
Delta R.T. -0.441 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

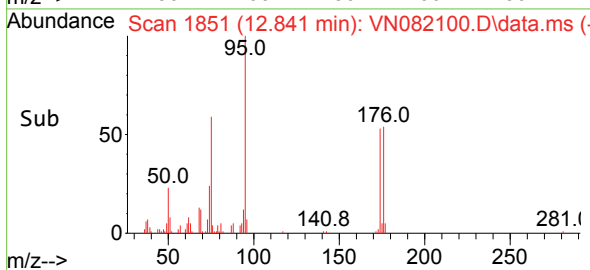
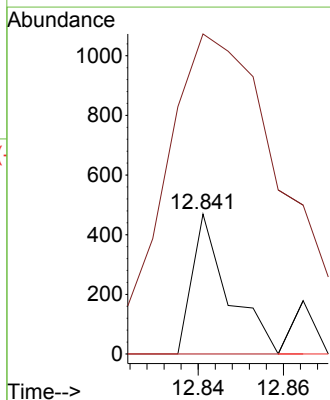
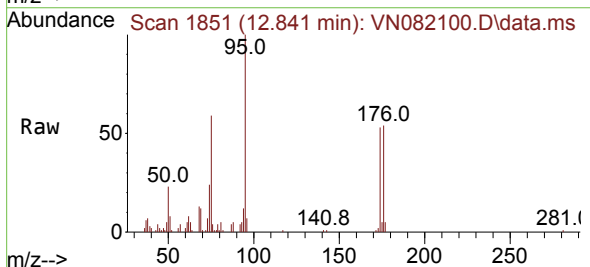
Instrument :
MSVOA_N
ClientSampleId :
240410005-03

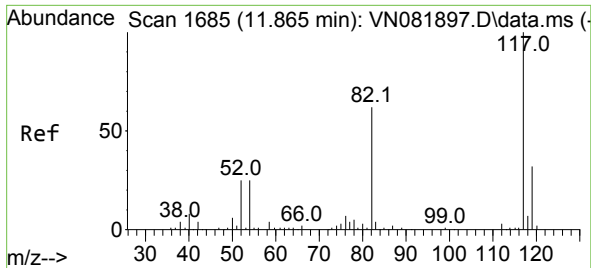
Tgt Ion: 97	Resp: 2987
Ion Ratio	Lower Upper
97 100	
83 0.0	68.1 102.1#
85 0.0	41.8 62.6#
99 259.9	47.0 70.4#



#56
Bromoform
Concen: 0.335 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Tgt Ion: 173	Resp: 277
Ion Ratio	Lower Upper
173 100	
175 745.8	40.0 60.0#
254 0.0	8.3 12.5#

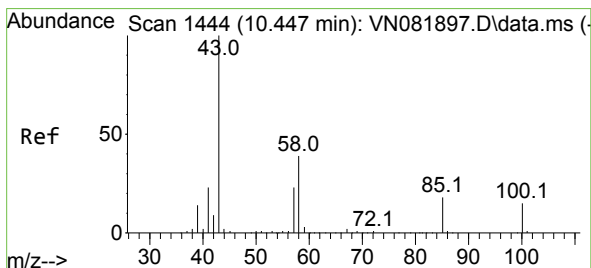
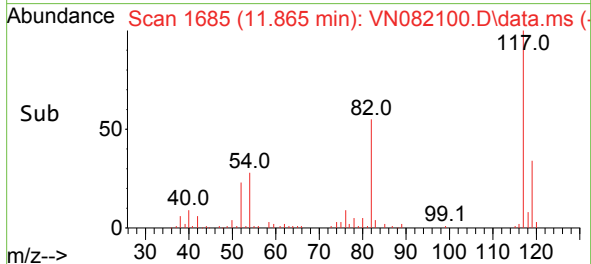
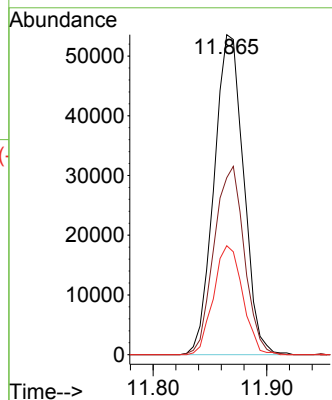
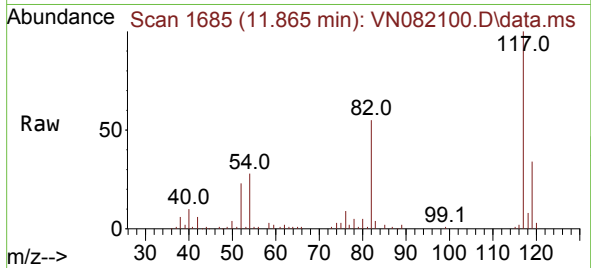




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

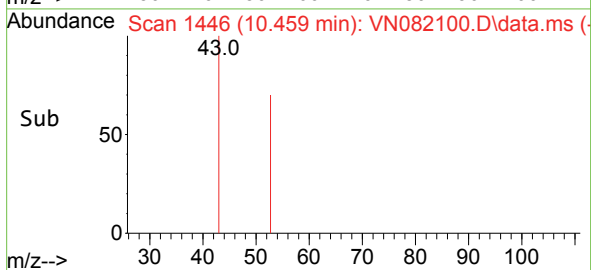
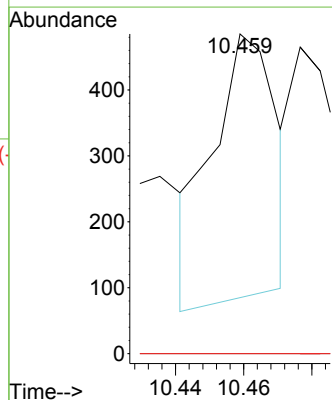
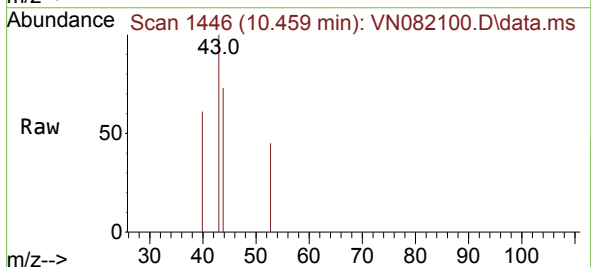
Instrument :
MSVOA_N
ClientSampleId :
240410005-03

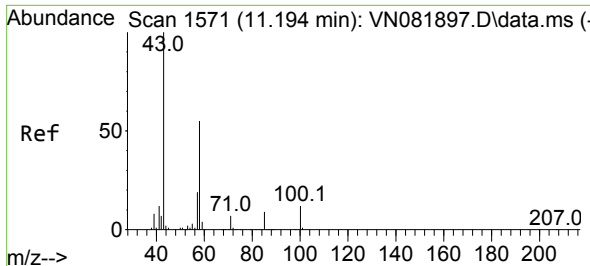
Tgt Ion:117 Resp: 96787
Ion Ratio Lower Upper
117 100
82 60.2 46.6 69.8
119 33.5 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.277 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

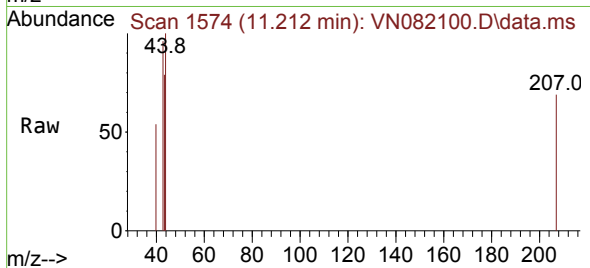
Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 0.0 36.5 54.7#
85 0.0 19.5 29.3#



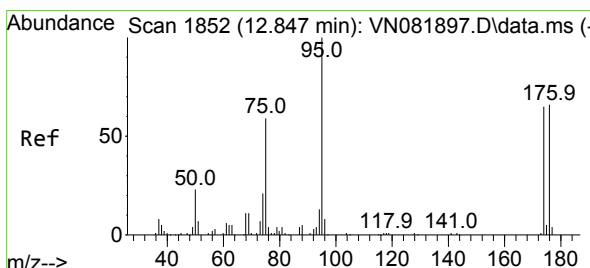
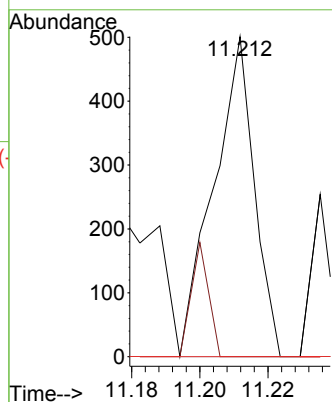
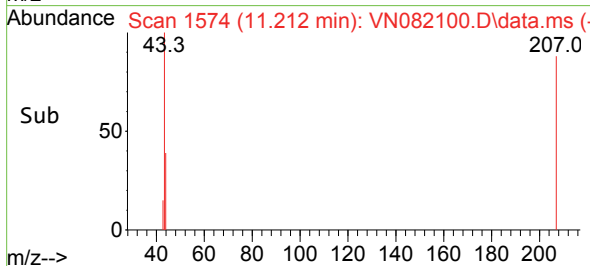


#59
2-Hexanone
Concen: 0.297 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

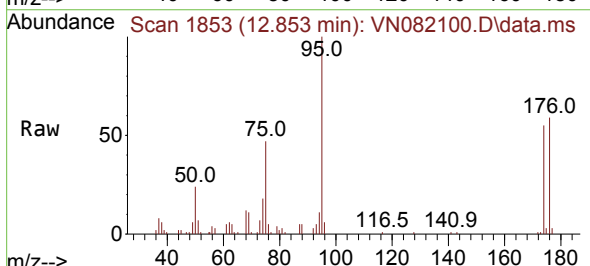
Instrument :
MSVOA_N
ClientSampleId :
240410005-03



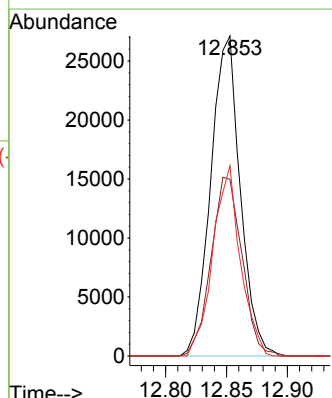
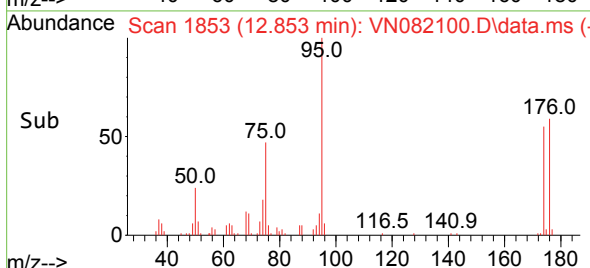
Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
58 0.0 50.4 75.6#
57 0.0 18.6 27.8#

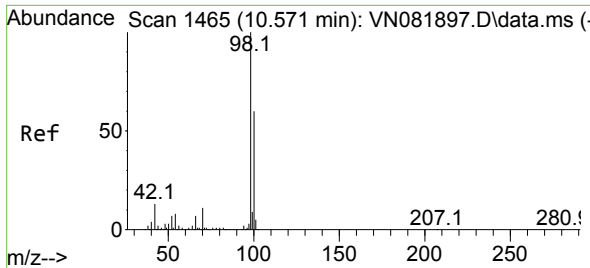


#60
4-Bromofluorobenzene
Concen: 28.490 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46



Tgt Ion: 95 Resp: 45890
Ion Ratio Lower Upper
95 100
174 58.6 60.5 90.7#
176 55.2 57.8 86.6#

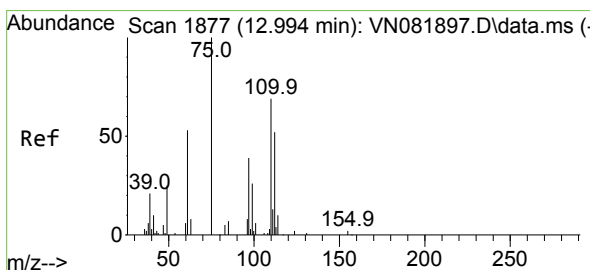
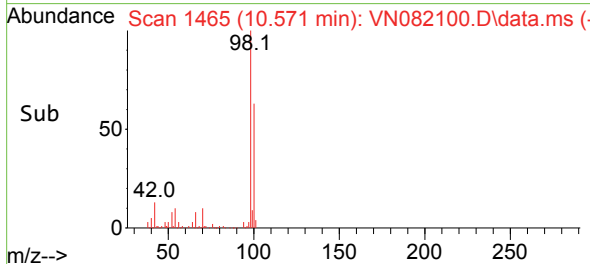
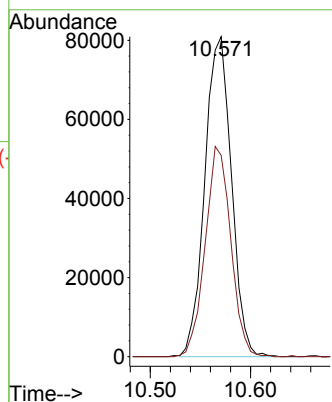
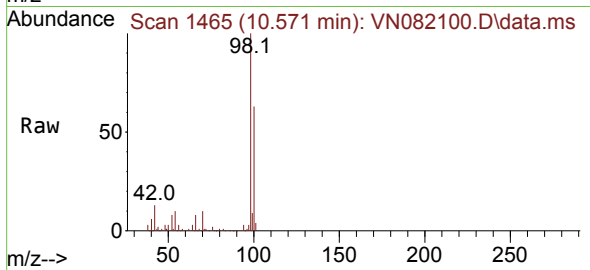




#63
Toluene-d8
Concen: 32.479 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

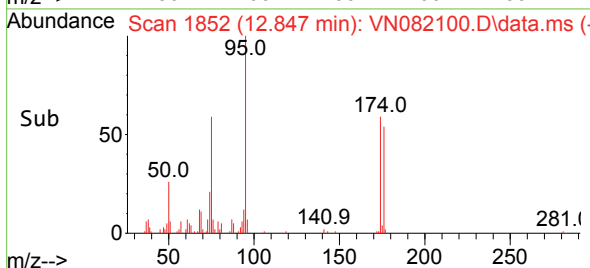
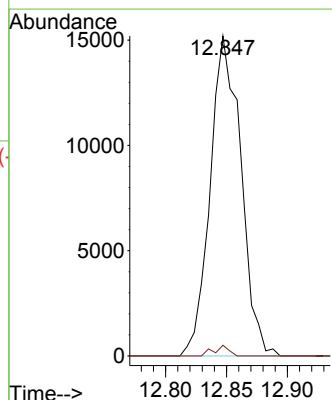
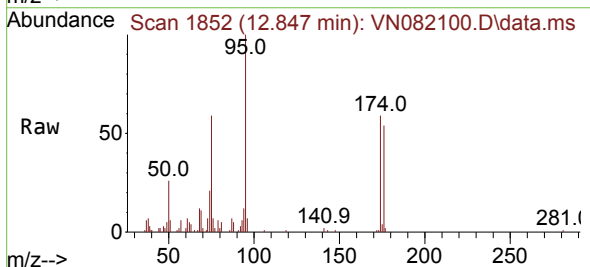
Instrument :
MSVOA_N
ClientSampleId :
240410005-03

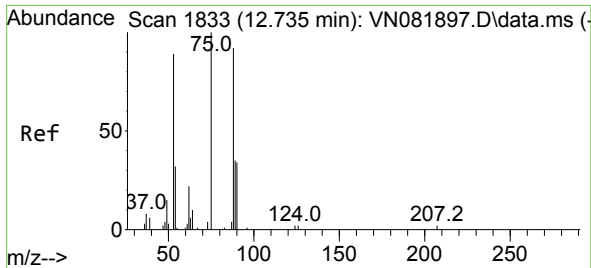
Tgt Ion: 98 Resp: 149287
Ion Ratio Lower Upper
98 100
100 63.2 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 17.857 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082100.D
Acq: 13 May 2024 16:46

Tgt Ion: 75 Resp: 26718
Ion Ratio Lower Upper
75 100
77 1.6 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 40.121 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082100.D
 Acq: 13 May 2024 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 240410005-03

Tgt Ion: 75 Resp: 26718
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

