

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082801.D
 Acq On : 03 Jul 2024 14:26
 Operator : JC\MD
 Sample : PB161888ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:59:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

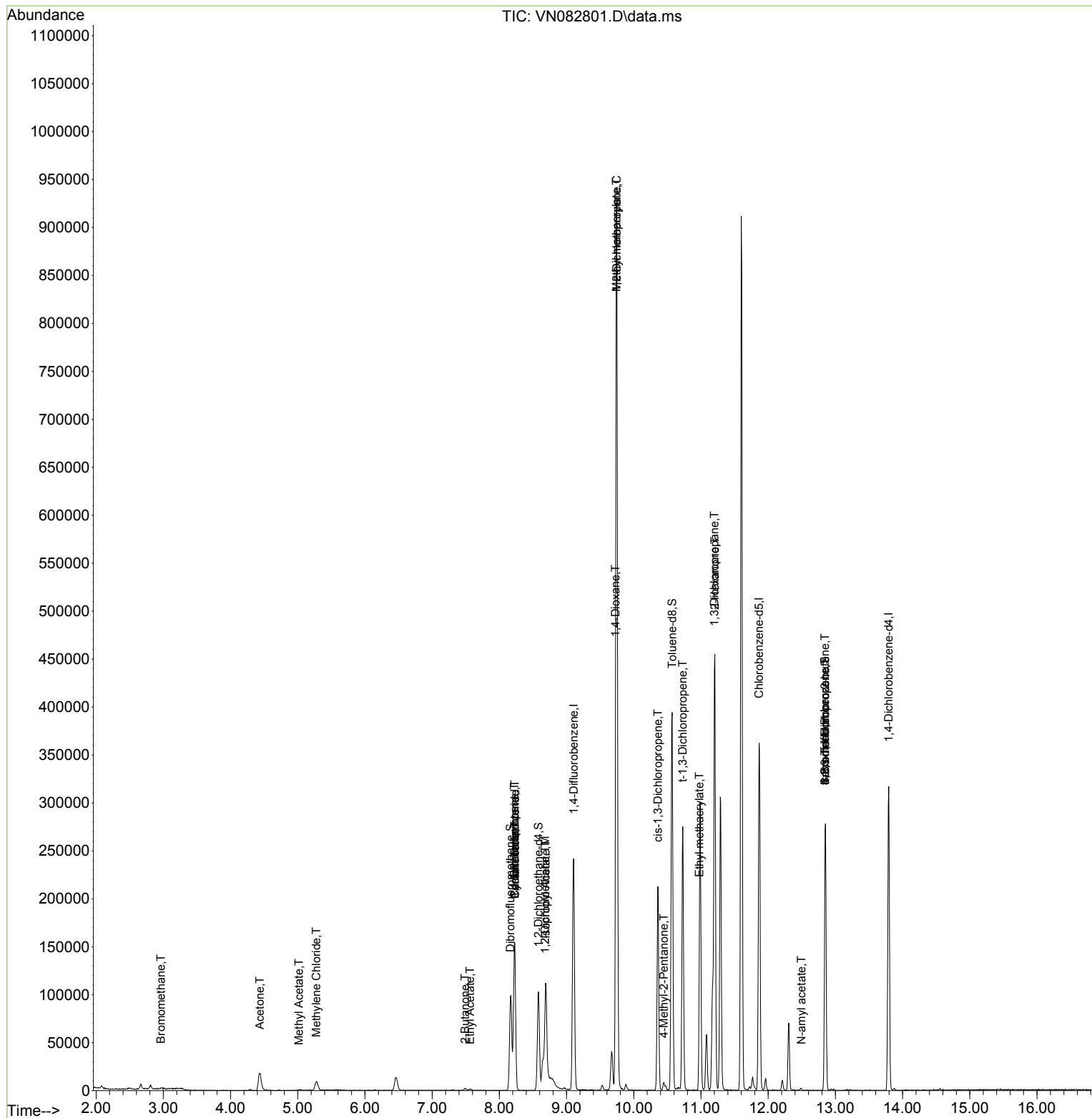
Internal Standards						
1) Pentafluorobenzene	8.230	168	111419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	209932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	84657	49.269	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.540%
35) Dibromofluoromethane	8.165	113	70288	50.853	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.700%
50) Toluene-d8	10.571	98	266057	51.471	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.940%
62) 4-Bromofluorobenzene	12.847	95	94175	53.052	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	106.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	300	0.224	ug/l #	76
16) Acetone	4.436	43	36627	56.263	ug/l	96
18) Methyl Acetate	5.018	43	1502	0.868	ug/l #	64
20) Methylene Chloride	5.277	84	7455	4.526	ug/l #	82
25) 2-Butanone	7.488	43	3555	3.574	ug/l	93
31) Cyclohexane	8.230	56	2731	1.128	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	9145	4.603	ug/l #	51
37) Ethyl Acetate	7.565	43	2696	1.256	ug/l #	76
38) Carbon Tetrachloride	8.230	117	12251	5.273	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	691	0.295	ug/l #	78
43) Isopropyl Acetate	8.688	43	158322	42.359	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1272	0.805	ug/l #	44
48) Methyl methacrylate	9.741	41	87409	52.897	ug/l #	52
49) 1,4-Dioxane	9.729	88	57	1.728	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5616	2.557	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	683	0.307	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	37383	15.991	ug/l #	54
56) Ethyl methacrylate	10.976	69	873	0.391	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5020	1.925	ug/l #	43
59) 2-Hexanone	11.206	43	65250	40.069	ug/l #	57
71) Bromoform	12.847	173	603	0.480	ug/l #	1
74) N-amyl acetate	12.494	43	1377	0.500	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	51806	28.061	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51806	73.179	ug/l #	6

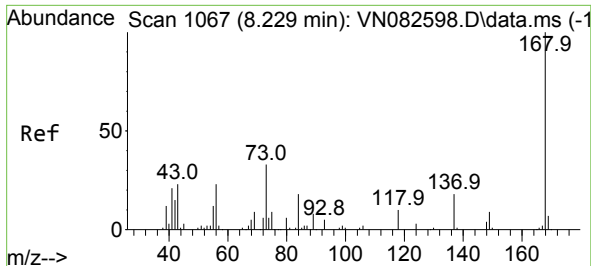
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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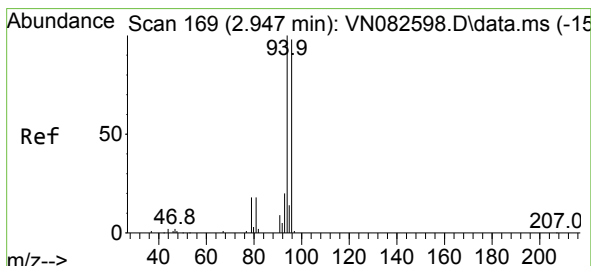
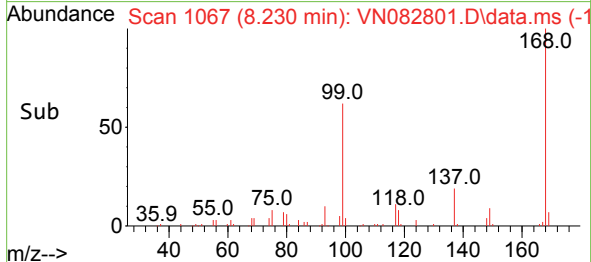
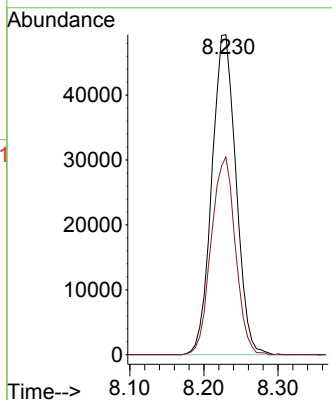
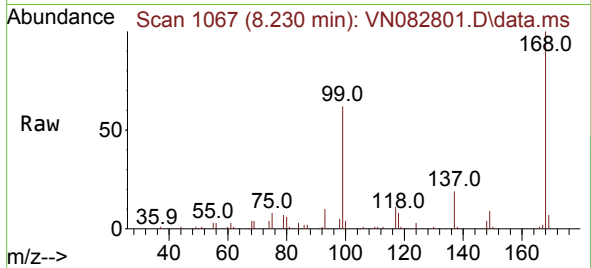




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

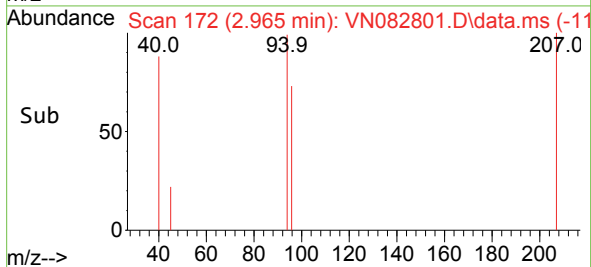
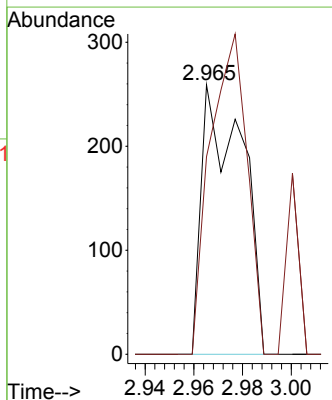
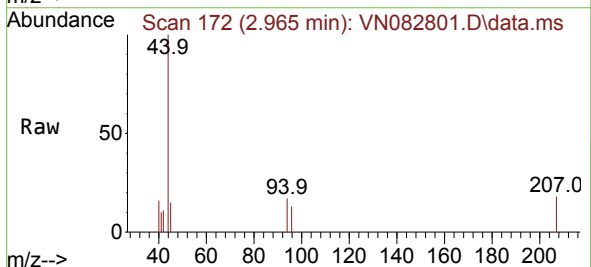
Instrument :
MSVOA_N
ClientSampleId :

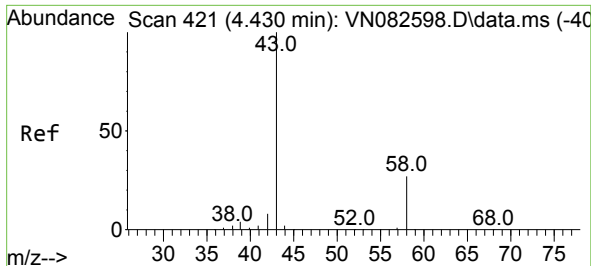
Tgt Ion:168 Resp: 111419
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4



#5
Bromomethane
Concen: 0.224 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 73.4 78.0 117.0#





#16

Acetone

Concen: 56.263 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

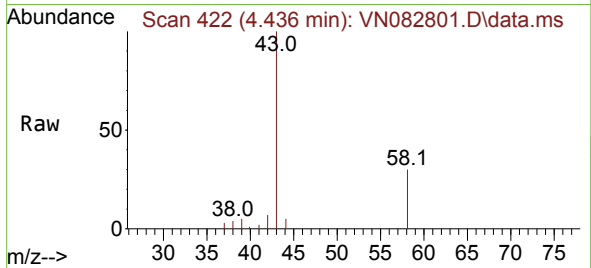
Lab File: VN082801.D

Acq: 03 Jul 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

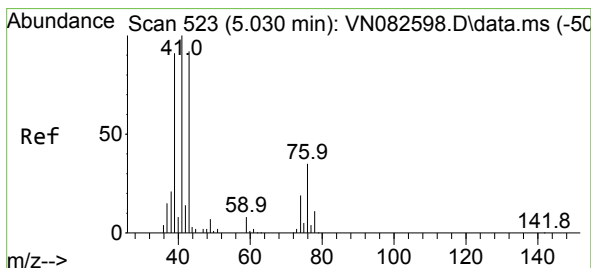
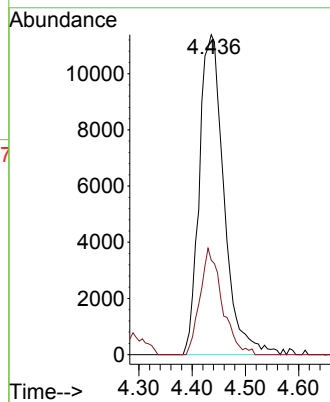
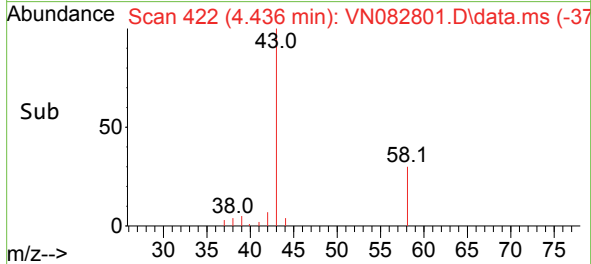


Tgt Ion: 43 Resp: 36627

Ion Ratio Lower Upper

43 100

58 29.5 21.8 32.6



#18

Methyl Acetate

Concen: 0.868 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.012 min

Lab File: VN082801.D

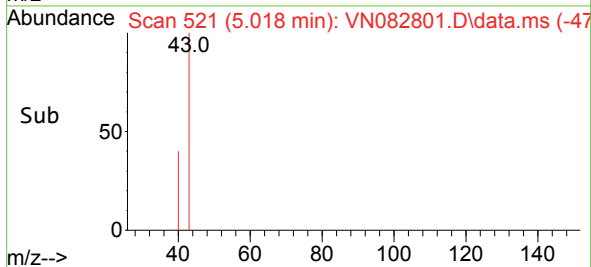
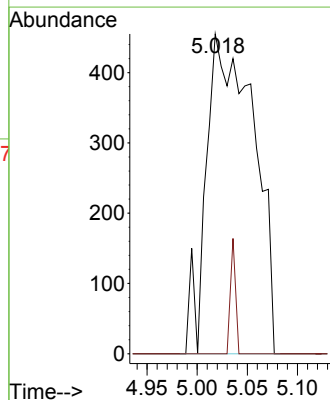
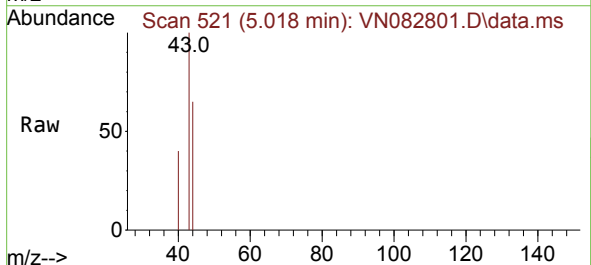
Acq: 03 Jul 2024 14:26

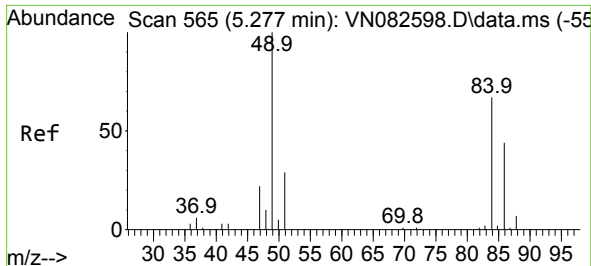
Tgt Ion: 43 Resp: 1502

Ion Ratio Lower Upper

43 100

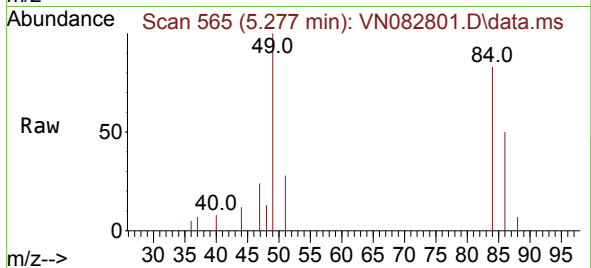
74 3.9 16.3 24.5#



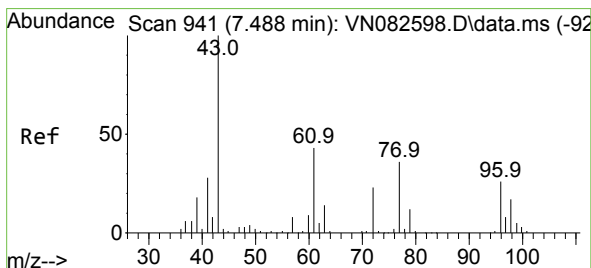
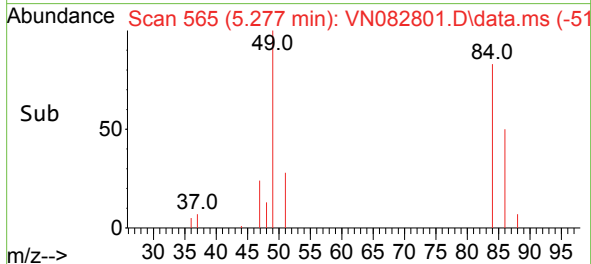
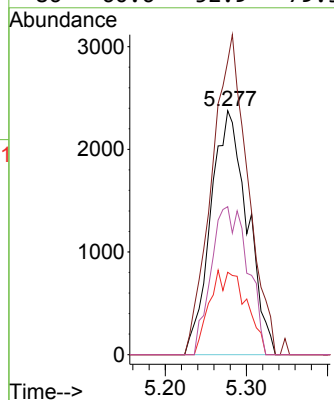


#20
Methylene Chloride
Concen: 4.526 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

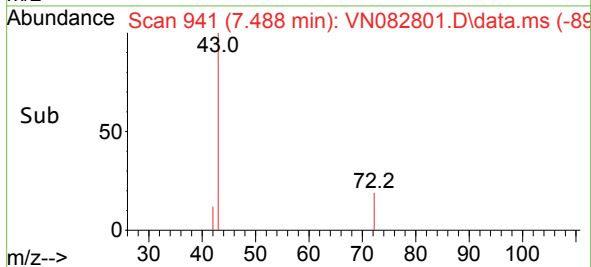
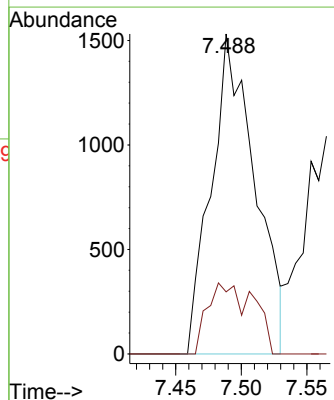
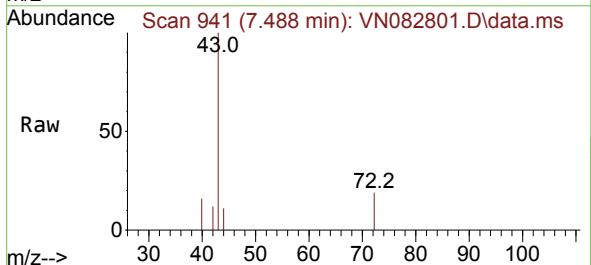


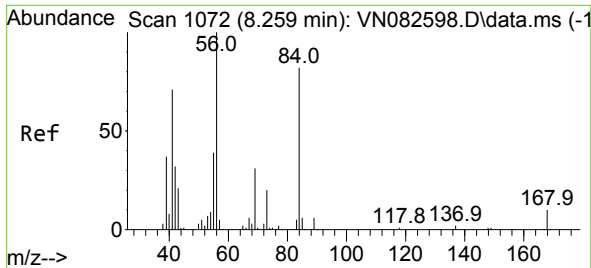
Tgt Ion:	84	Resp:	7455
Ion	Ratio	Lower	Upper
84	100		
49	120.3	119.6	179.4
51	33.8	34.8	52.2#
86	60.6	52.9	79.3



#25
2-Butanone
Concen: 3.574 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

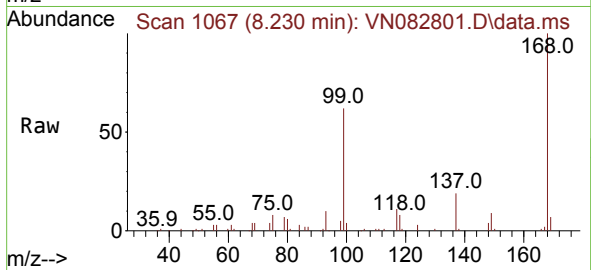
Tgt Ion:	43	Resp:	3555
Ion	Ratio	Lower	Upper
43	100		
72	19.4	18.2	27.2



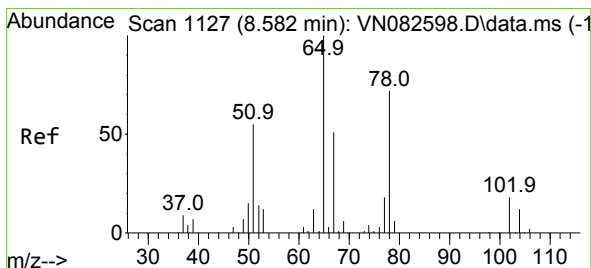
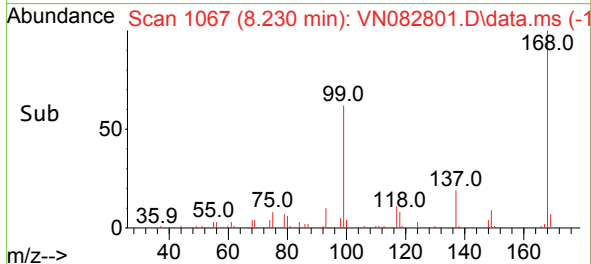
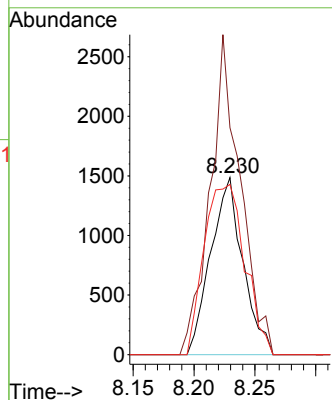


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

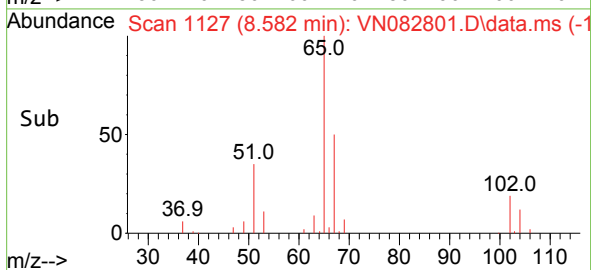
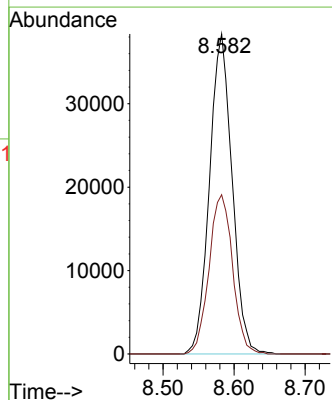
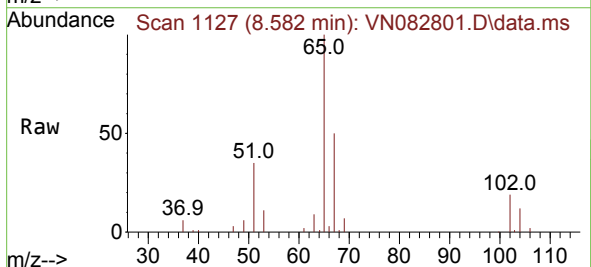


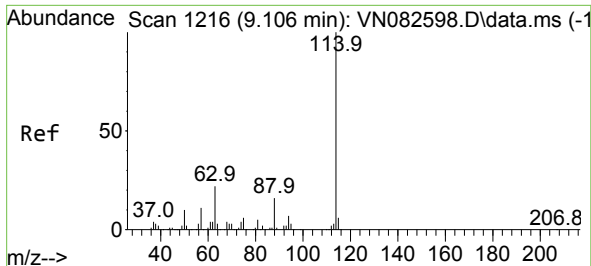
Tgt Ion: 56 Resp: 2731
Ion Ratio Lower Upper
56 100
69 128.2 24.5 36.7#
84 96.1 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 49.269 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

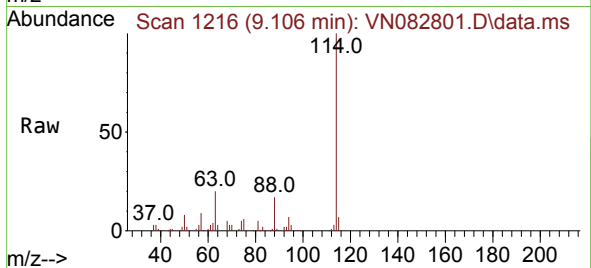
Tgt Ion: 65 Resp: 84657
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.4



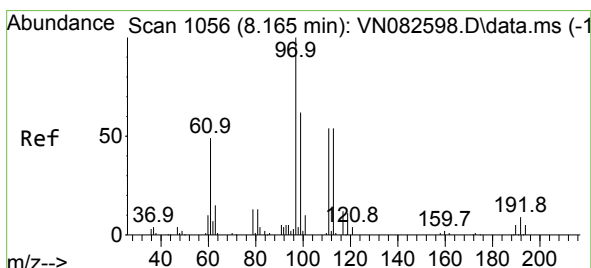
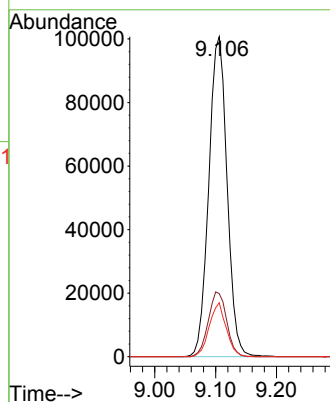
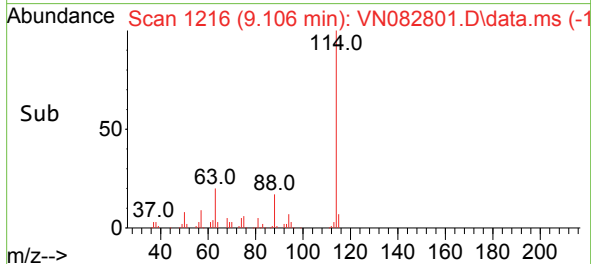


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

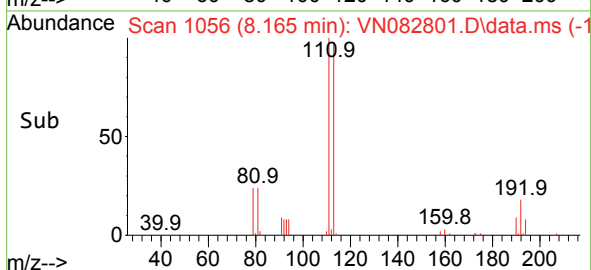
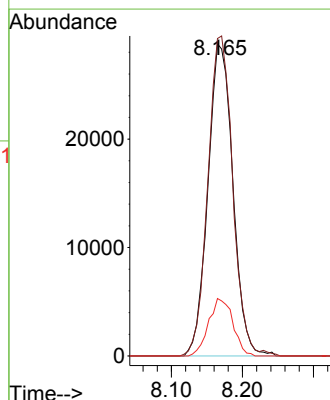
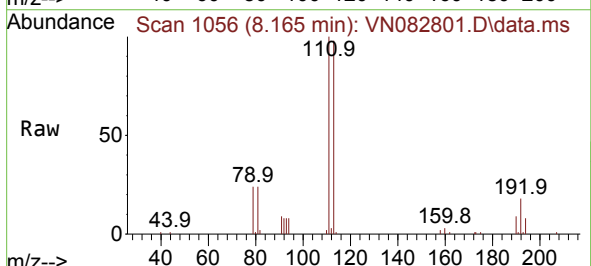


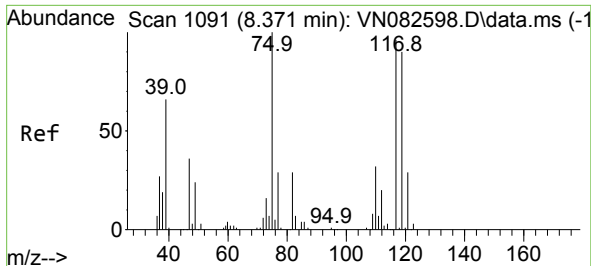
Tgt Ion:114 Resp: 209932
Ion Ratio Lower Upper
114 100
63 19.7 0.0 44.6
88 16.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.853 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Tgt Ion:113 Resp: 70288
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 17.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.603 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

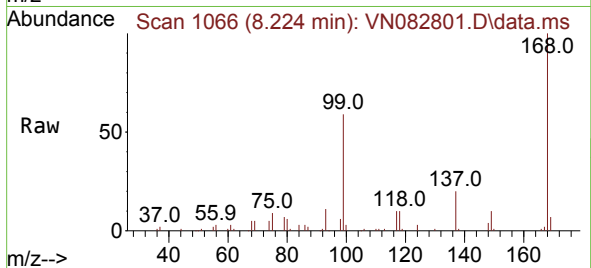
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Acq: 03 Jul 2024 14:26

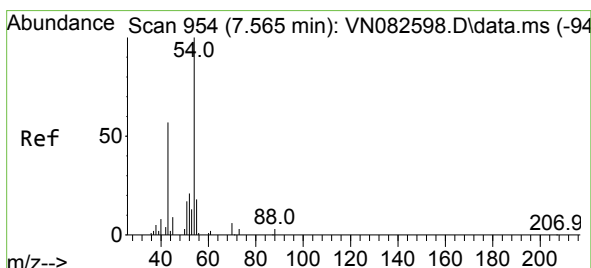
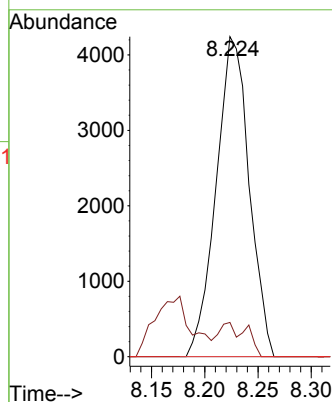
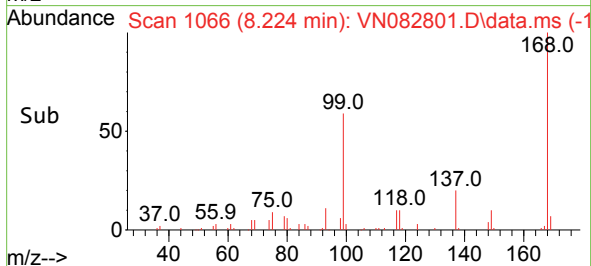
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	9145
Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 1.256 ug/l

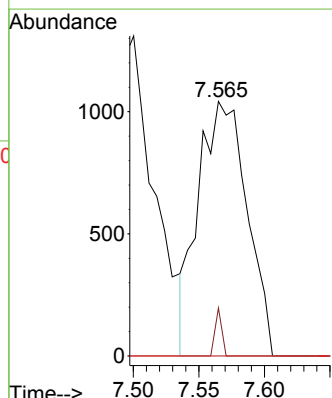
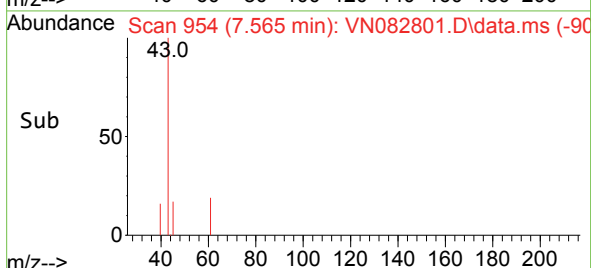
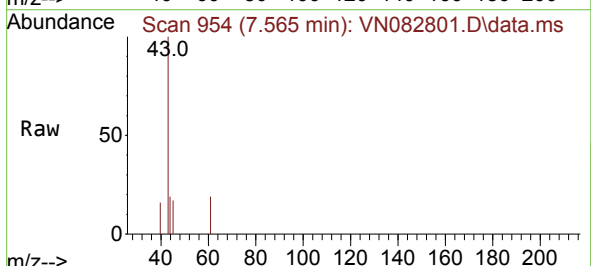
RT: 7.565 min Scan# 954

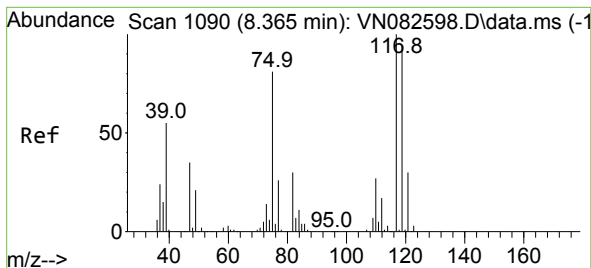
Delta R.T. -0.000 min

Lab File: VN082801.D

Acq: 03 Jul 2024 14:26

Tgt Ion:	43	Resp:	2696
Ion	Ratio	Lower	Upper
43	100		
61	2.6	9.3	13.9#
70	0.0	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 5.273 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

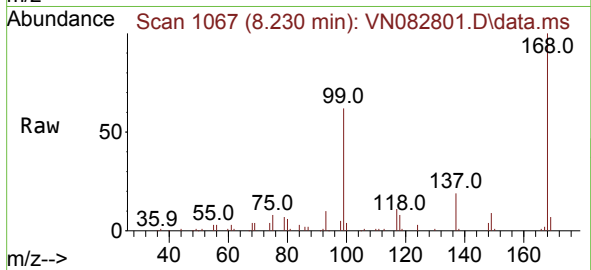
Lab File: VN082801.D

Acq: 03 Jul 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :



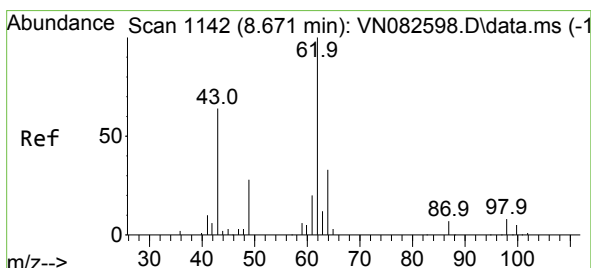
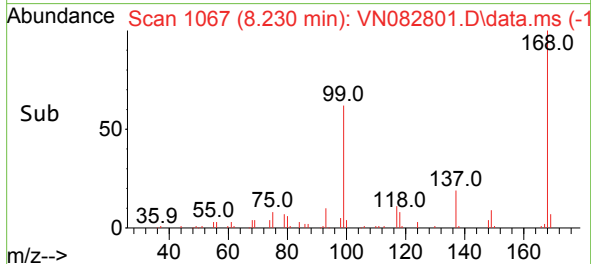
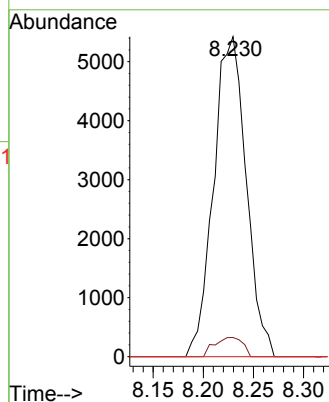
Tgt Ion:117 Resp: 12251

Ion Ratio Lower Upper

117 100

119 6.0 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.295 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.011 min

Lab File: VN082801.D

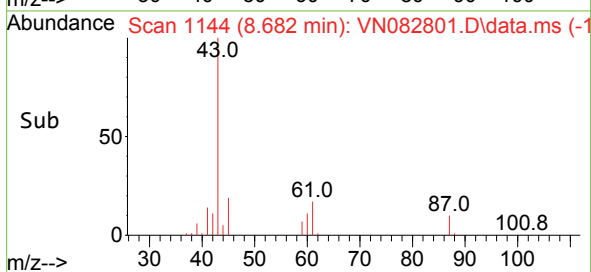
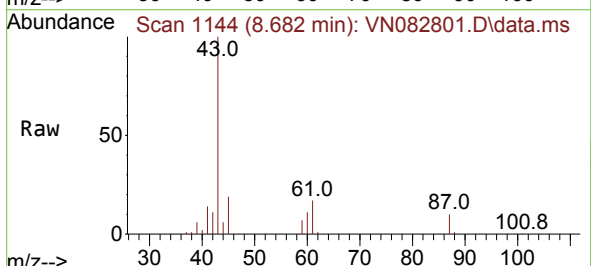
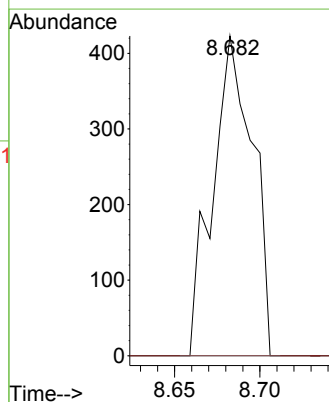
Acq: 03 Jul 2024 14:26

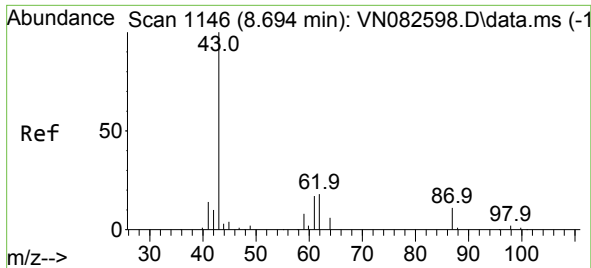
Tgt Ion: 62 Resp: 691

Ion Ratio Lower Upper

62 100

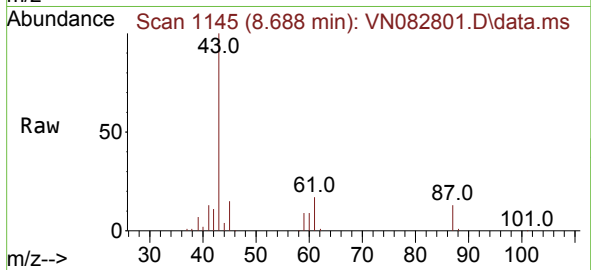
98 0.0 0.0 15.8



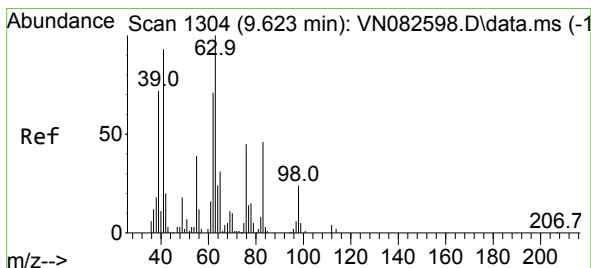
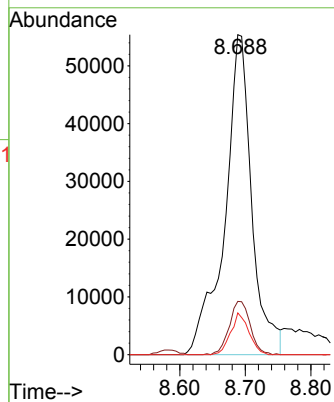
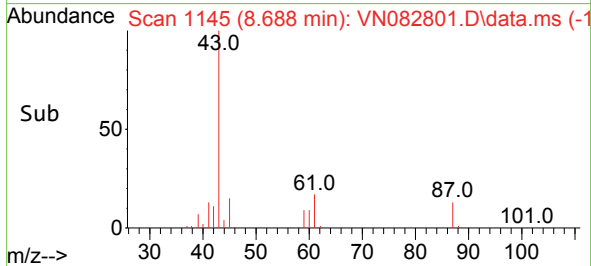


#43
Isopropyl Acetate
Concen: 42.359 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

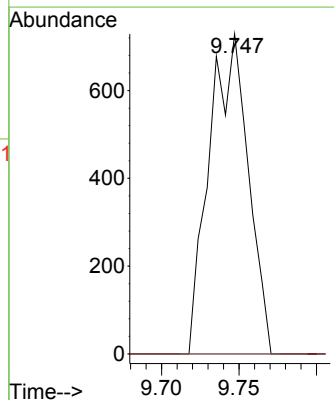
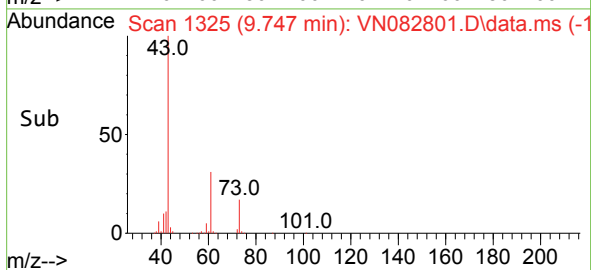
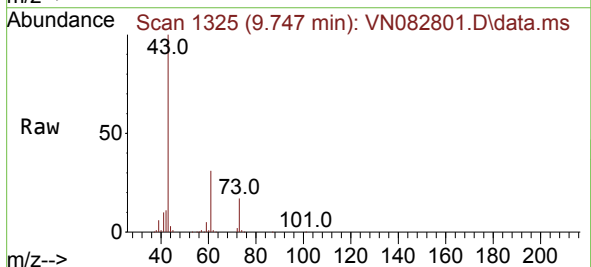


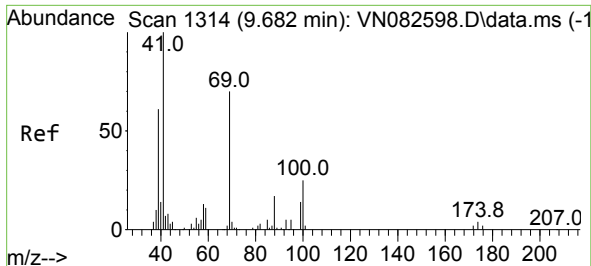
Tgt Ion: 43 Resp: 158322
Ion Ratio Lower Upper
43 100
61 13.0 17.8 26.6#
87 8.8 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.805 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

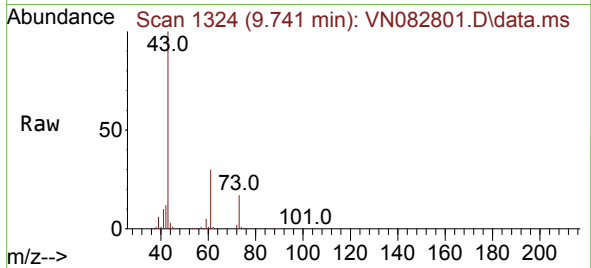
Tgt Ion: 63 Resp: 1272
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



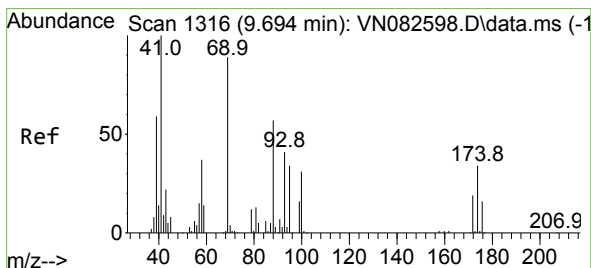
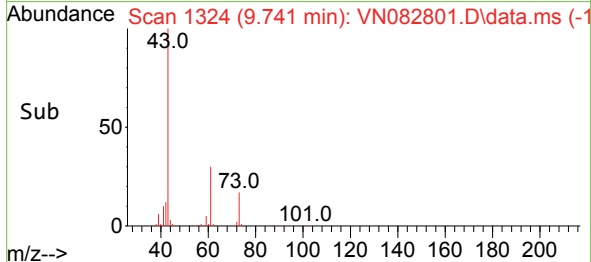
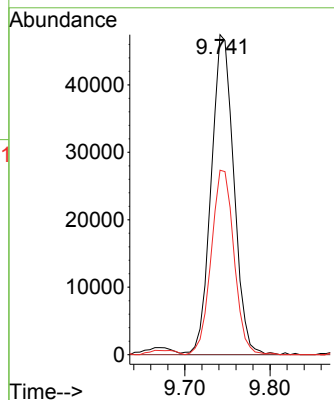


#48
Methyl methacrylate
Concen: 52.897 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

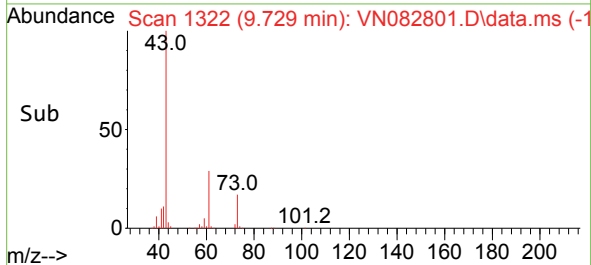
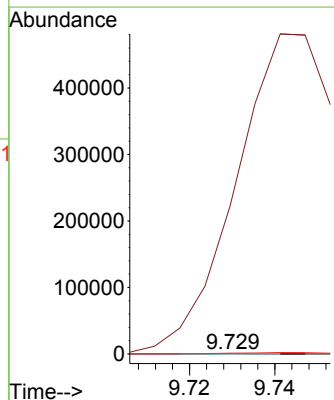
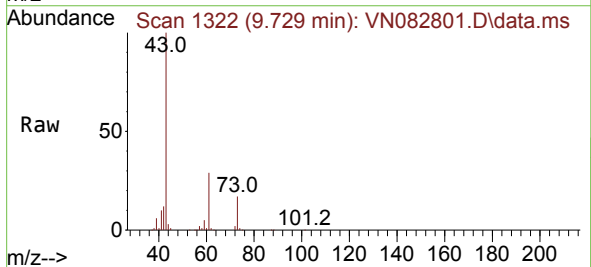


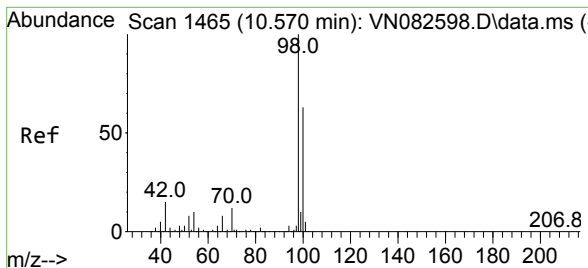
Tgt Ion: 41 Resp: 87409
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 58.3 50.3 75.5



#49
1,4-Dioxane
Concen: 1.728 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 1556328.1 27.8 41.8#
58 6452.6 59.4 89.0#





#50

Toluene-d8

Concen: 51.471 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN082801.D

Acq: 03 Jul 2024 14:26

Instrument :

MSVOA_N

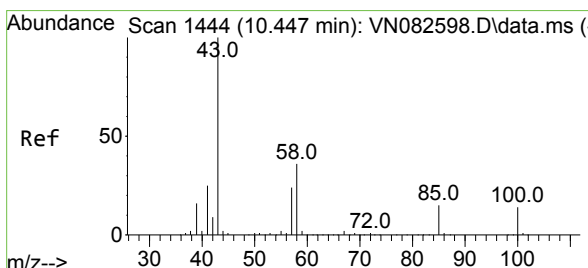
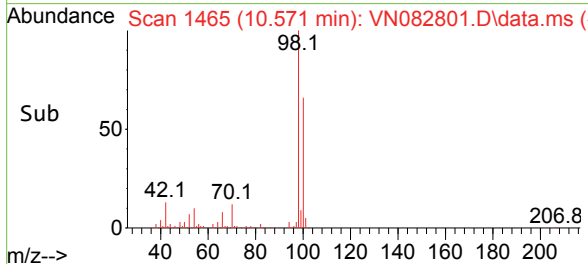
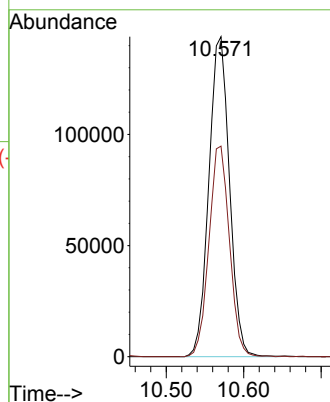
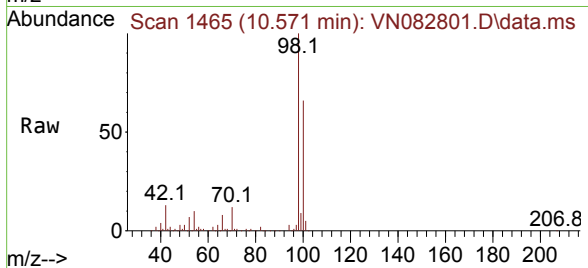
ClientSampleId :

Tgt Ion: 98 Resp: 266057

Ion Ratio Lower Upper

98 100

100 65.4 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 2.557 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN082801.D

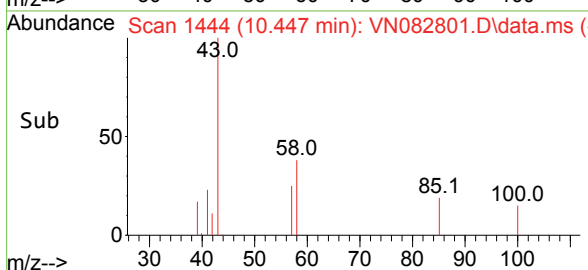
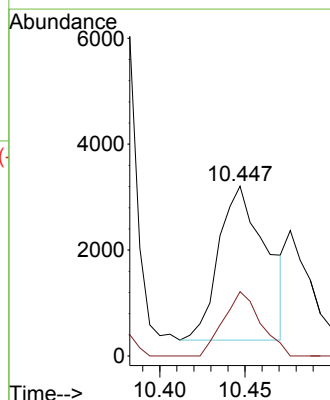
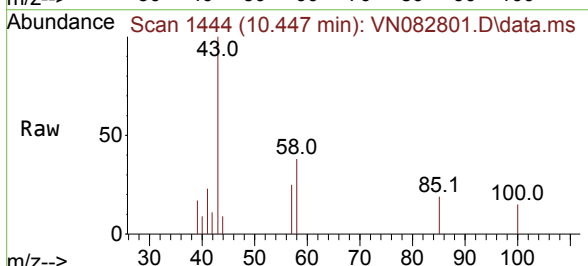
Acq: 03 Jul 2024 14:26

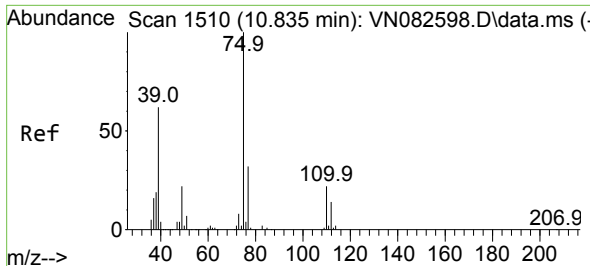
Tgt Ion: 43 Resp: 5616

Ion Ratio Lower Upper

43 100

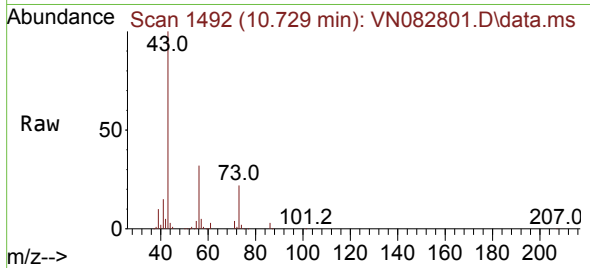
58 32.9 28.2 42.4



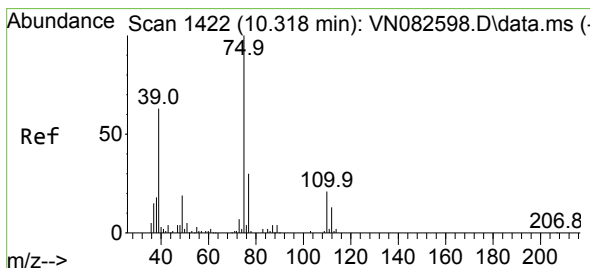
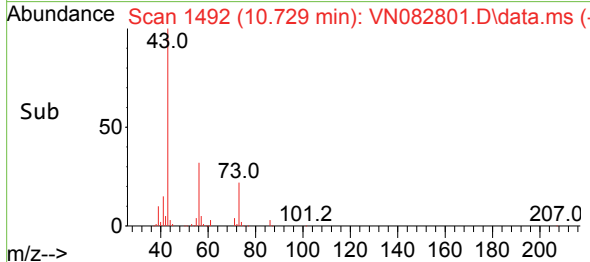
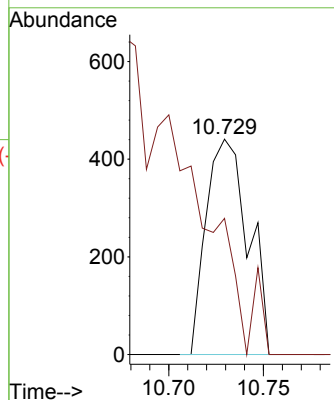


#53
t-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

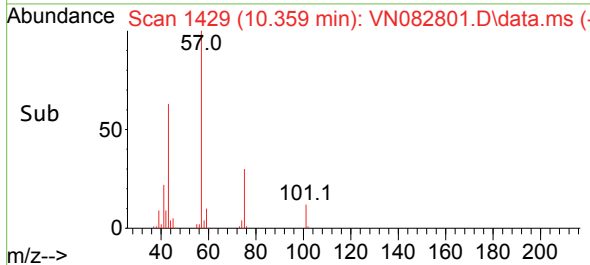
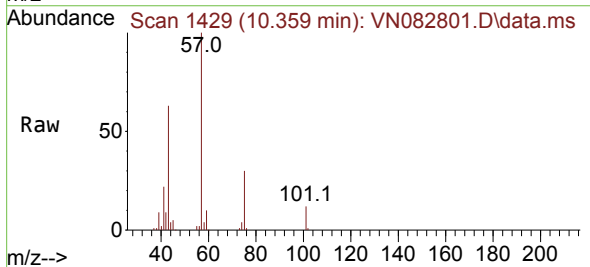
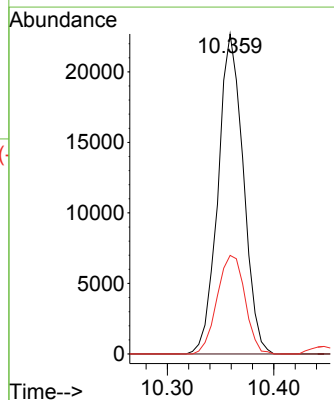


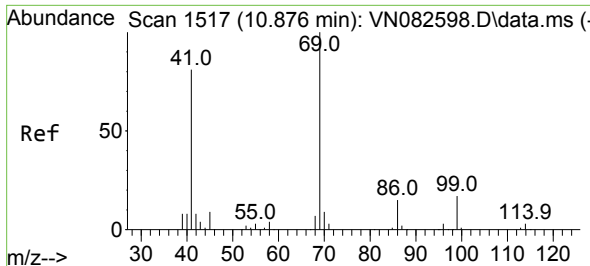
Tgt Ion: 75 Resp: 683
Ion Ratio Lower Upper
75 100
77 63.3 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.991 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

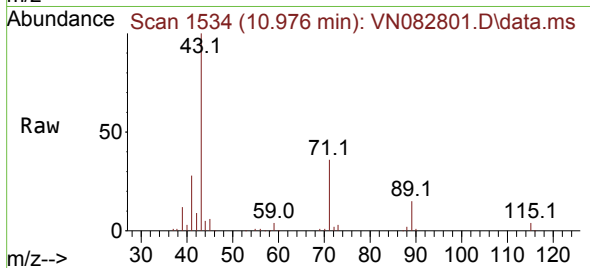
Tgt Ion: 75 Resp: 37383
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 30.8 50.5 75.7#



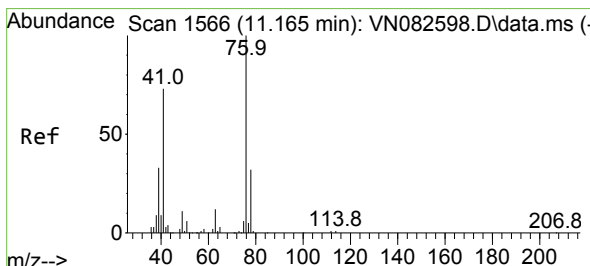
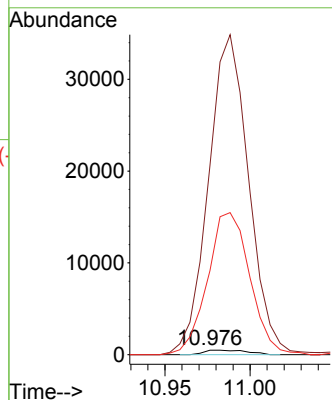
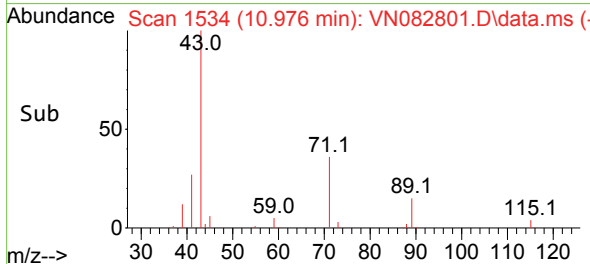


#56
Ethyl methacrylate
Concen: 0.391 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

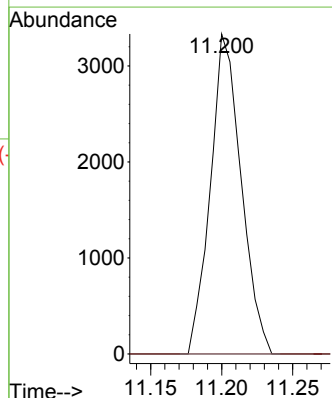
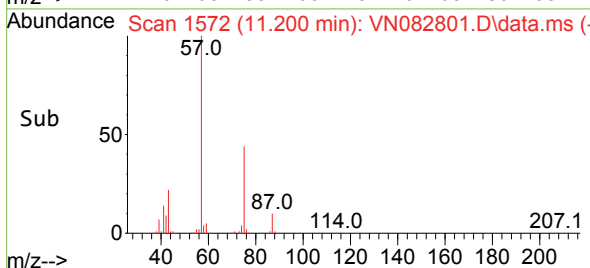
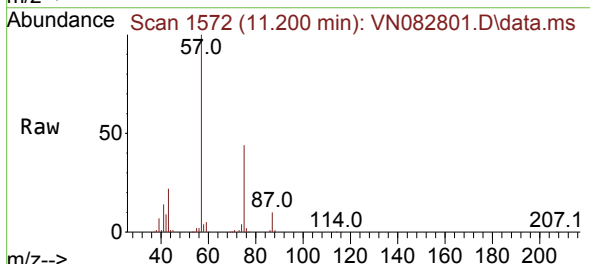


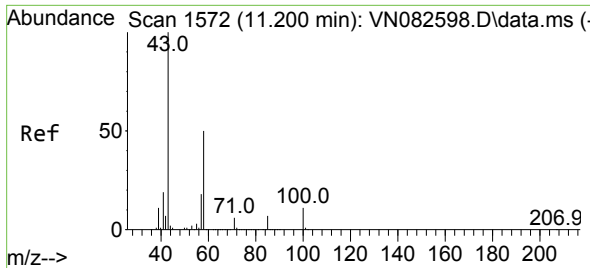
Tgt Ion: 69 Resp: 873
Ion Ratio Lower Upper
69 100
41 6572.1 63.4 95.2#
39 3067.9 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.925 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Tgt Ion: 76 Resp: 5020
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

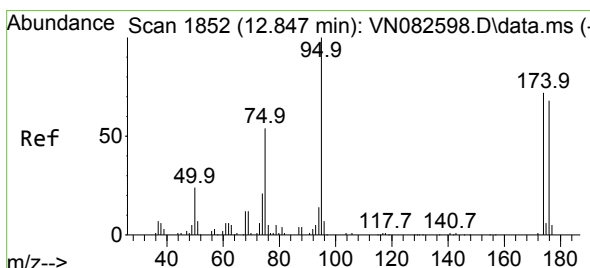
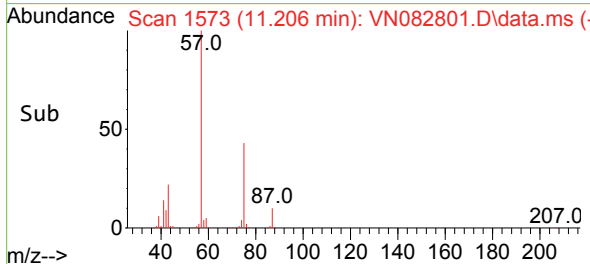
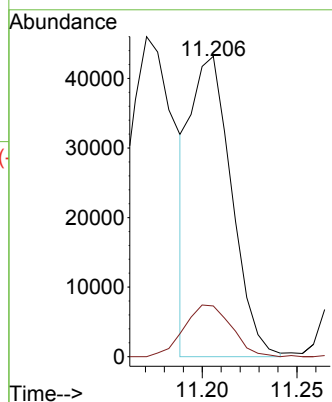
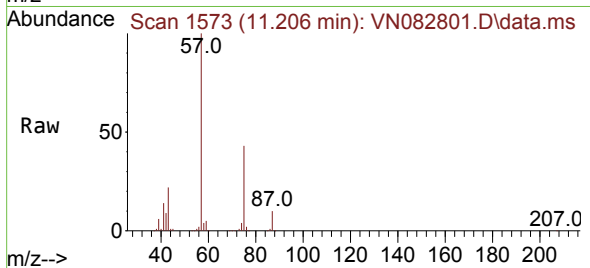




#59
2-Hexanone
Concen: 40.069 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

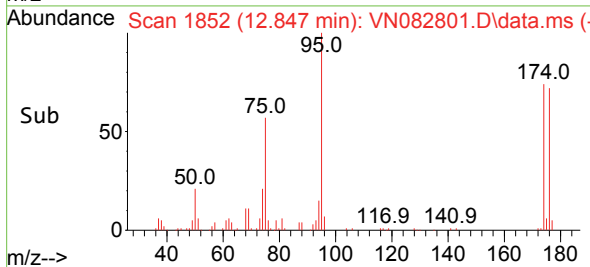
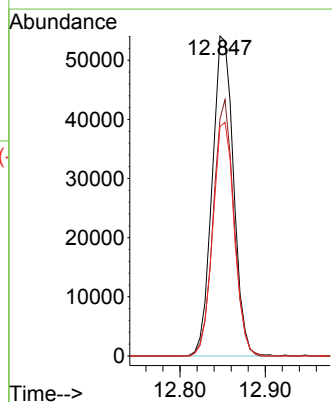
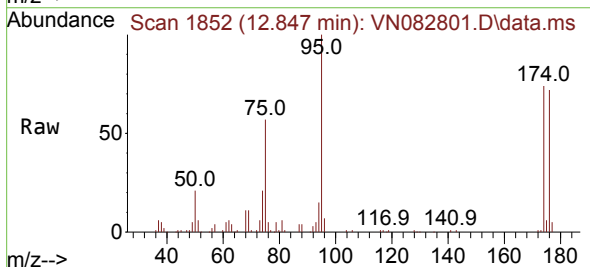
Instrument :
MSVOA_N
ClientSampleId :

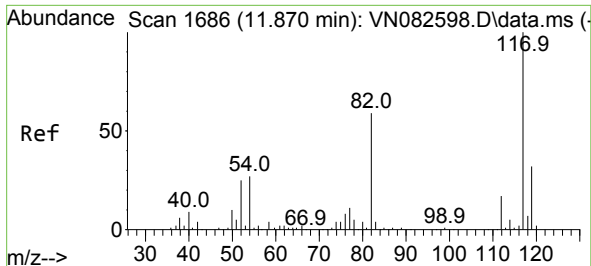
Tgt Ion: 43 Resp: 65250
Ion Ratio Lower Upper
43 100
58 19.9 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 53.052 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Tgt Ion: 95 Resp: 94175
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.2
176 73.4 0.0 147.6

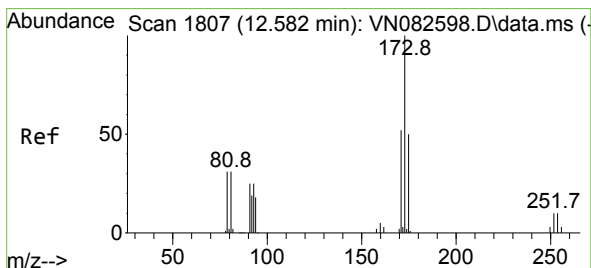
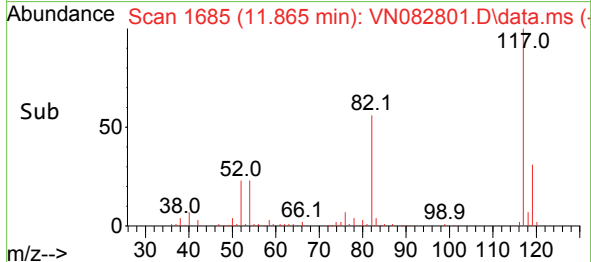
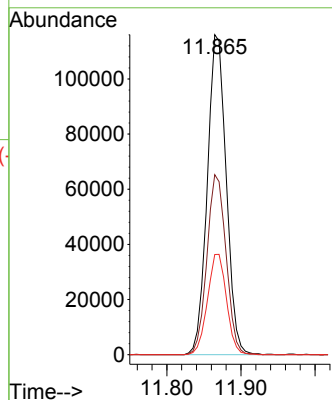
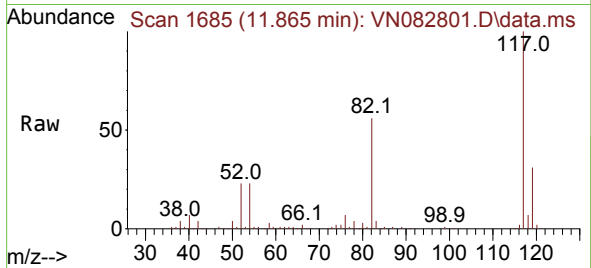




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

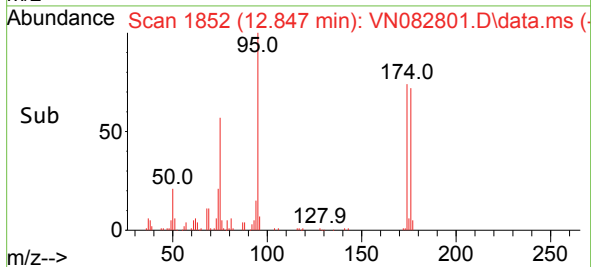
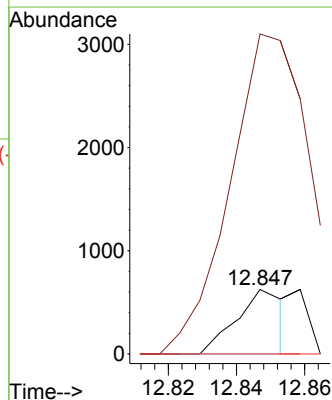
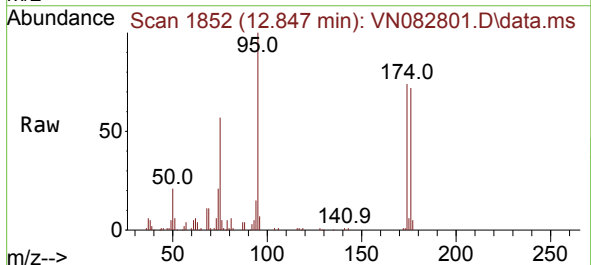
Instrument :
MSVOA_N
ClientSampleId :

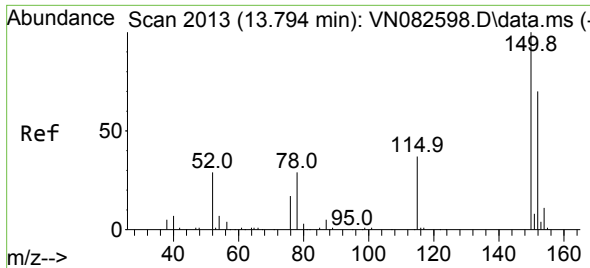
Tgt Ion:117 Resp: 205862
Ion Ratio Lower Upper
117 100
82 56.2 47.5 71.3
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.480 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

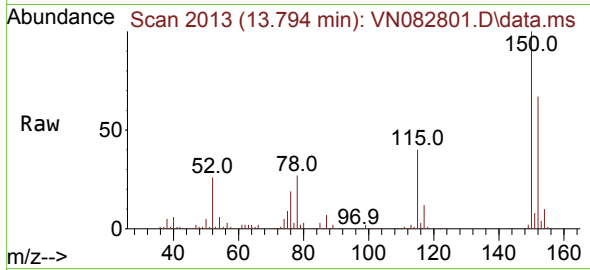
Tgt Ion:173 Resp: 603
Ion Ratio Lower Upper
173 100
175 738.0 24.0 72.0#
254 0.0 0.0 0.0



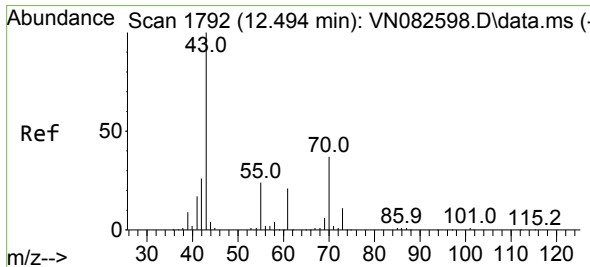
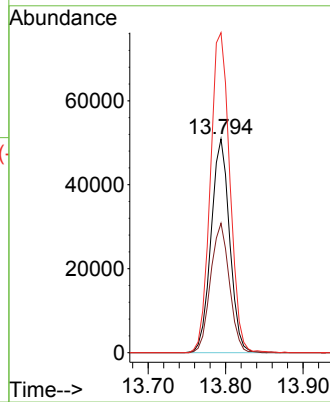
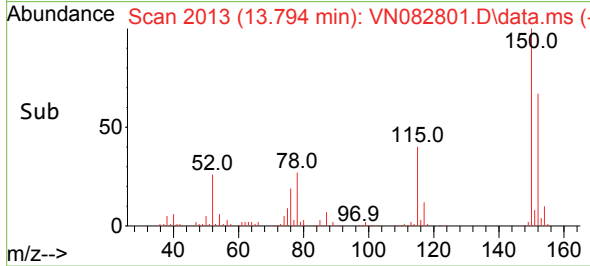


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

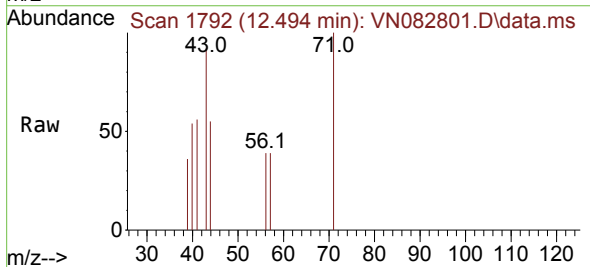
Instrument :
MSVOA_N
ClientSampleId :



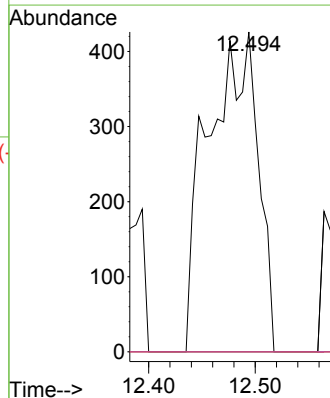
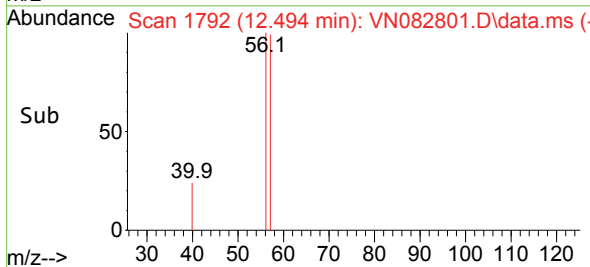
Tgt Ion:152 Resp: 84641
Ion Ratio Lower Upper
152 100
115 61.3 30.6 91.6
150 156.9 0.0 348.6

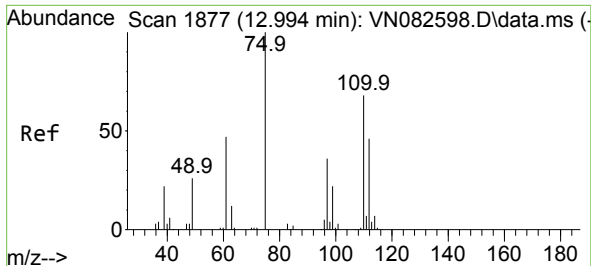


#74
N-ethyl acetate
Concen: 0.500 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26



Tgt Ion: 43 Resp: 1377
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#

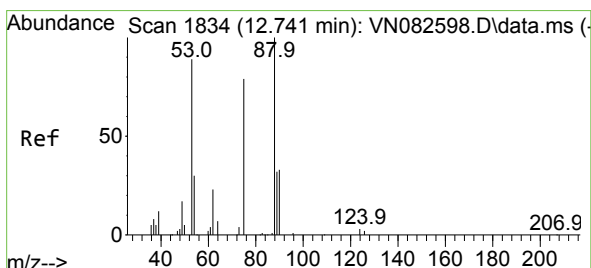
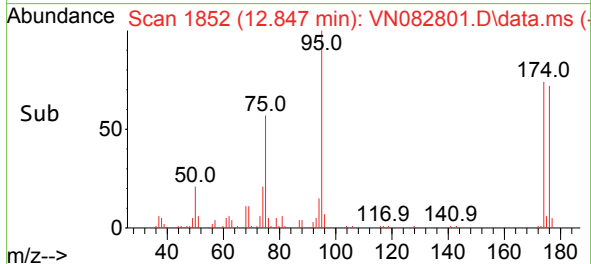
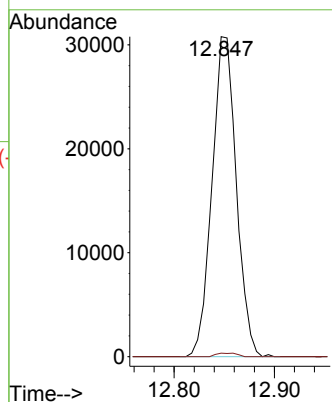
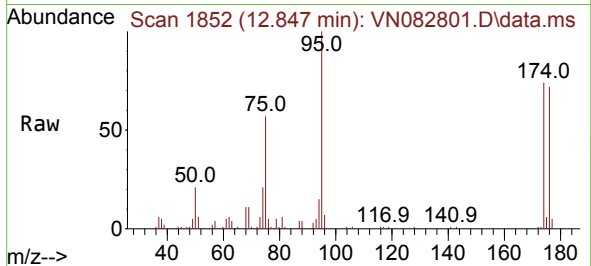




#76
1,2,3-Trichloropropane
Concen: 28.061 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 51806
Ion Ratio Lower Upper
75 100
77 0.9 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.179 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082801.D
Acq: 03 Jul 2024 14:26

Tgt Ion: 75 Resp: 51806
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

