

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083264.D
 Acq On : 13 Aug 2024 17:44
 Operator : JC\MD
 Sample : P3548-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 01:46:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

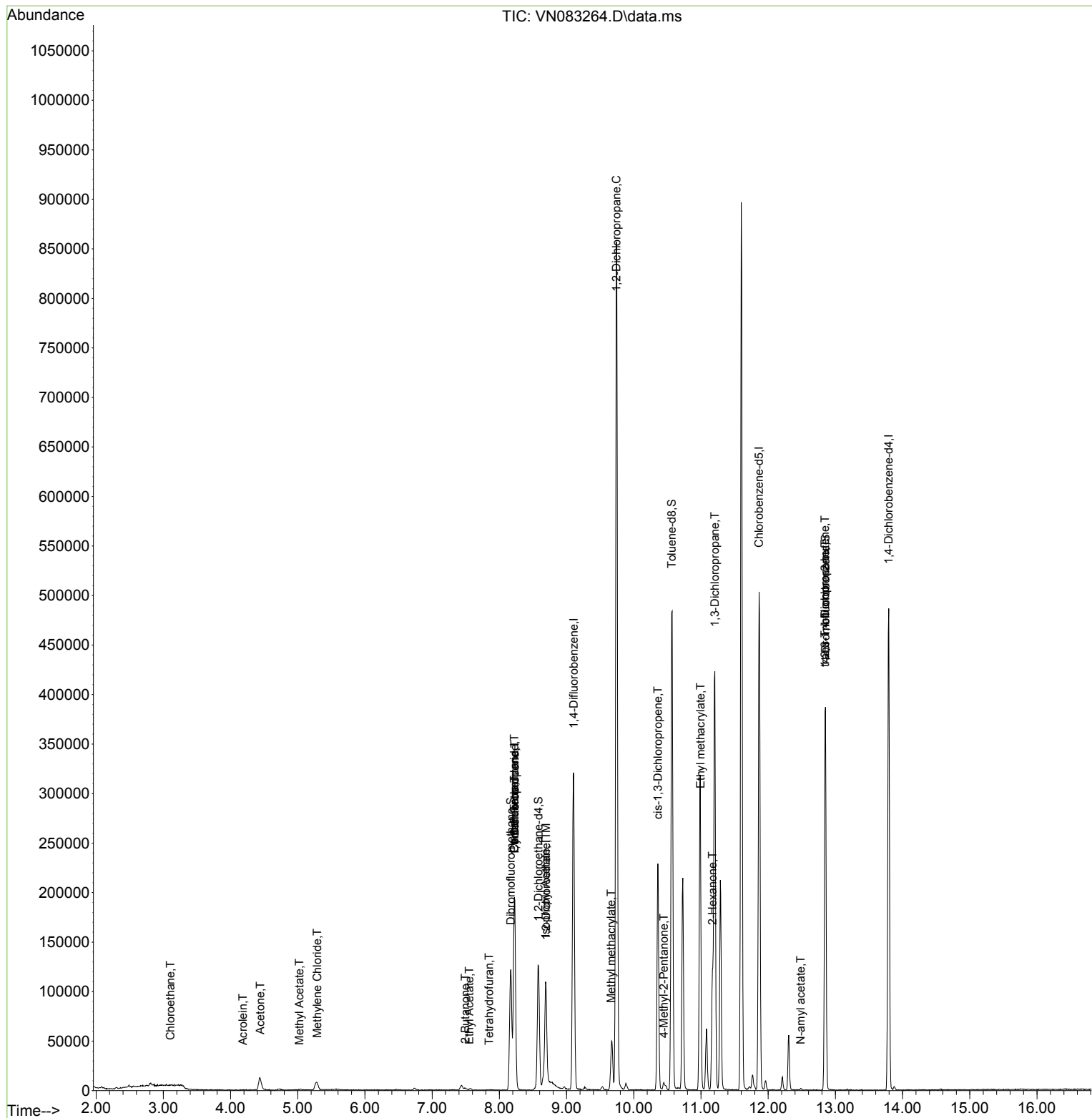
Internal Standards						
1) Pentafluorobenzene	8.224	168	137896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	270941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	109360	55.717	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.440%	
35) Dibromofluoromethane	8.171	113	87977	52.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.040%	
50) Toluene-d8	10.565	98	335091	53.118	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.240%	
62) 4-Bromofluorobenzene	12.853	95	139669	56.790	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 113.580%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	668	0.654	ug/l #	41
13) Acrolein	4.183	56	57	0.214	ug/l #	58
16) Acetone	4.441	43	24698	32.157	ug/l	98
18) Methyl Acetate	5.024	43	575	0.251	ug/l #	56
20) Methylene Chloride	5.288	84	6309	3.569	ug/l	87
25) 2-Butanone	7.494	43	3722	3.156	ug/l	94
29) Tetrahydrofuran	7.847	42	517	0.678	ug/l #	38
31) Cyclohexane	8.224	56	3411	1.173	ug/l #	21
36) 1,1-Dichloropropene	8.229	75	12066	4.717	ug/l #	53
37) Ethyl Acetate	7.553	43	642	0.224	ug/l #	73
38) Carbon Tetrachloride	8.224	117	15476	5.371	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	662	0.238	ug/l #	78
43) Isopropyl Acetate	8.688	43	137967	26.583	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	914	0.505	ug/l #	44
48) Methyl methacrylate	9.665	41	2993	1.264	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	4334	1.600	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	40812	12.848	ug/l #	56
56) Ethyl methacrylate	10.994	69	751	0.231	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4521	1.470	ug/l #	43
59) 2-Hexanone	11.170	43	97253	46.410	ug/l #	28
74) N-amyl acetate	12.482	43	1152	0.220	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	76882	27.431	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76882	59.670	ug/l #	6

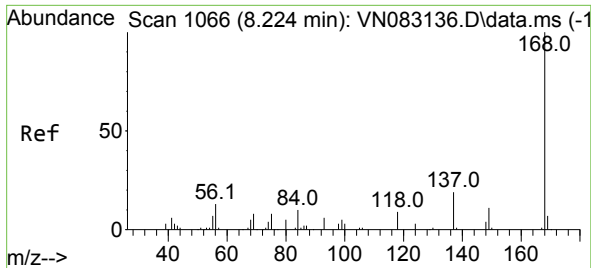
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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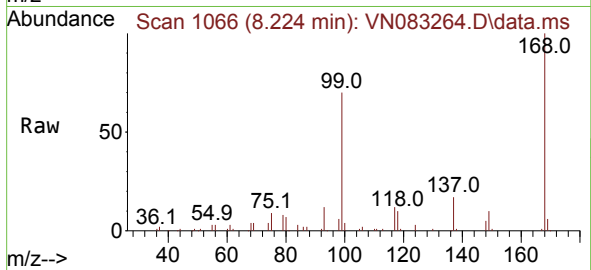
Quant Time: Aug 14 01:46:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
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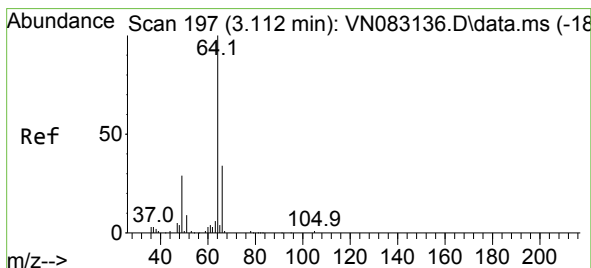
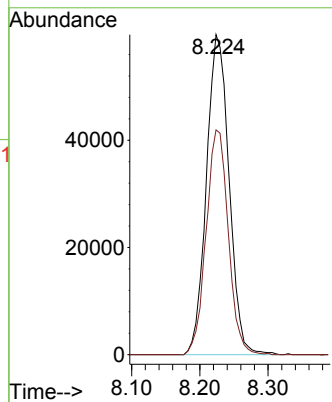
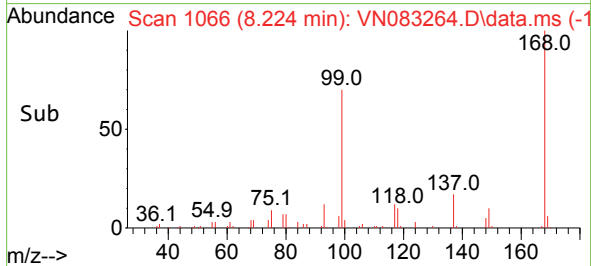


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

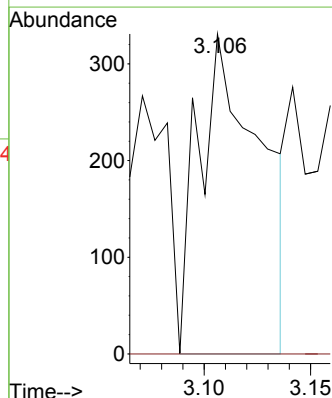
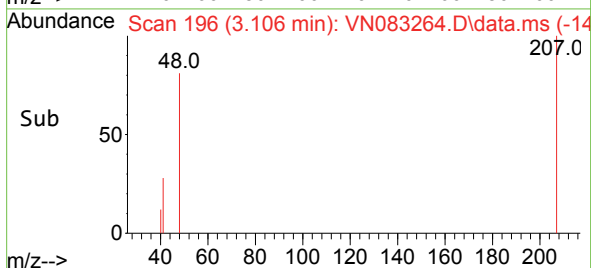
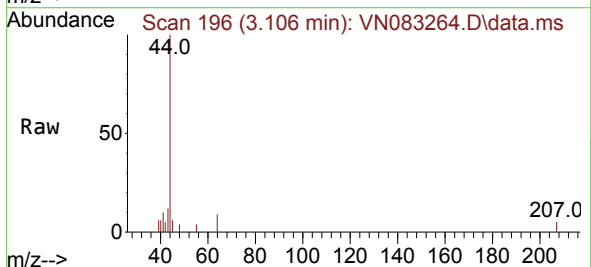


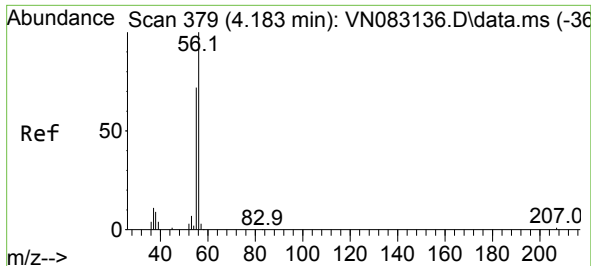
Tgt Ion:168 Resp: 137896
Ion Ratio Lower Upper
168 100
99 70.3 48.2 72.4



#6
Chloroethane
Concen: 0.654 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

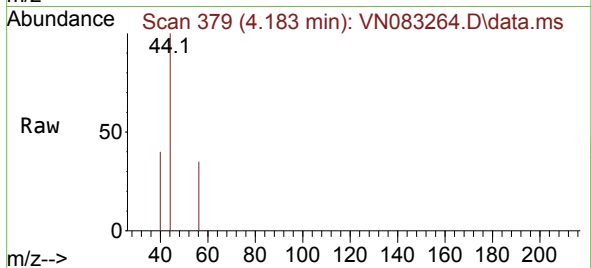
Tgt Ion: 64 Resp: 668
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



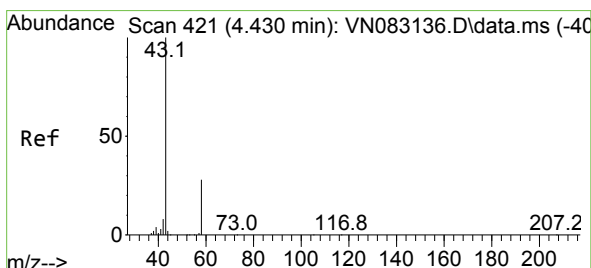
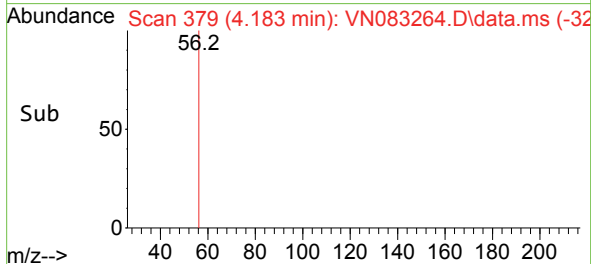
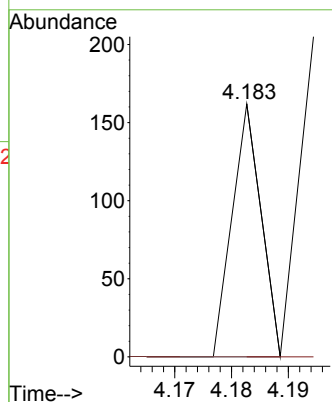


#13
Acrolein
Concen: 0.214 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

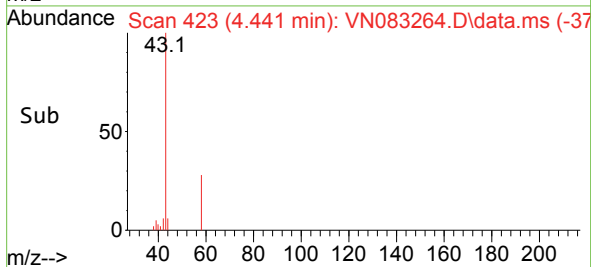
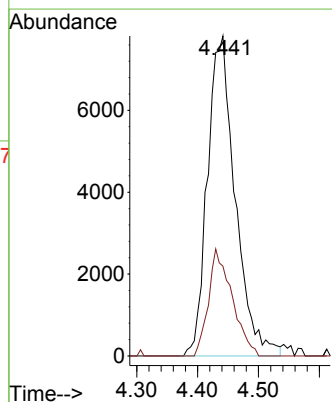
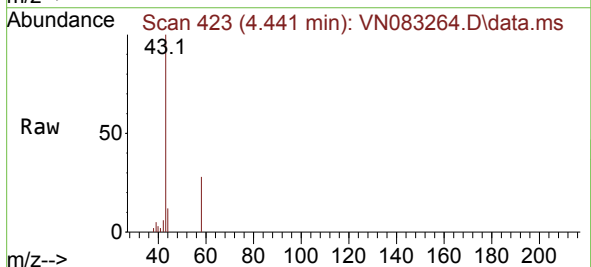


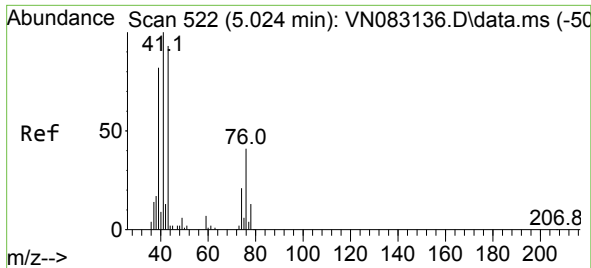
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 105.3 56.4 84.6#



#16
Acetone
Concen: 32.157 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

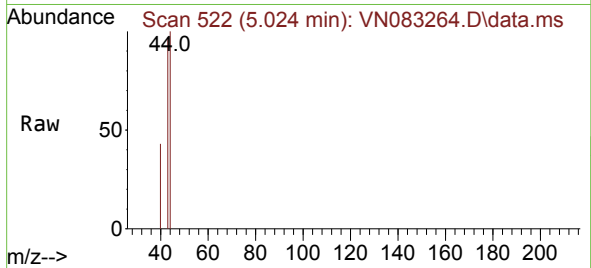
Tgt Ion: 43 Resp: 24698
Ion Ratio Lower Upper
43 100
58 28.1 21.8 32.6



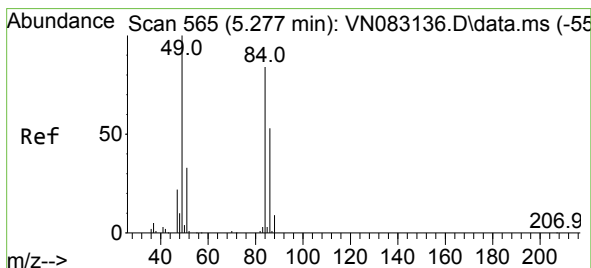
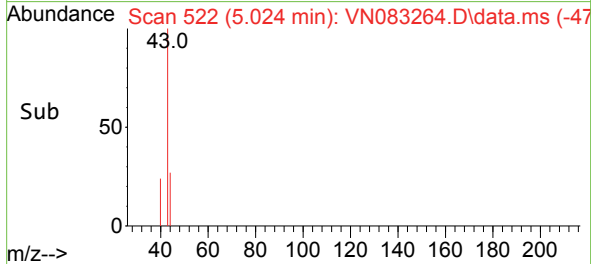
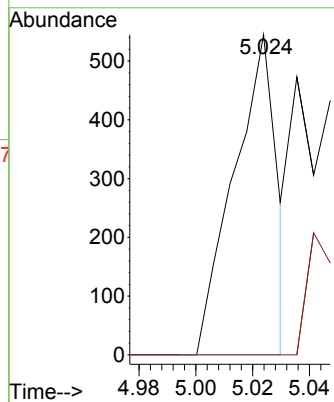


#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

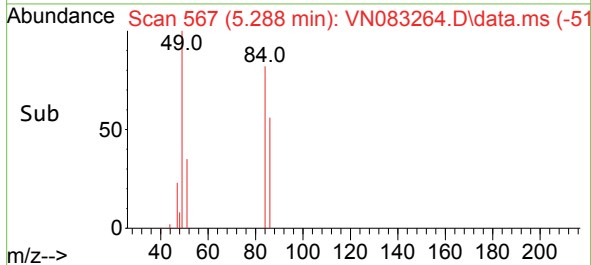
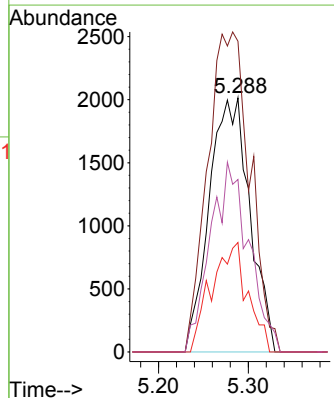
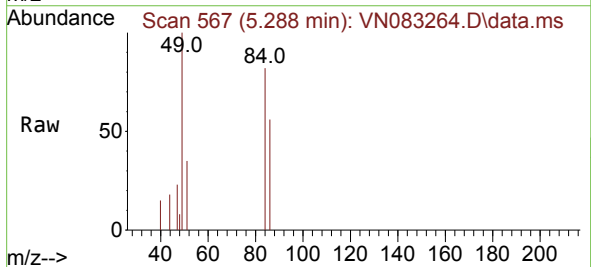


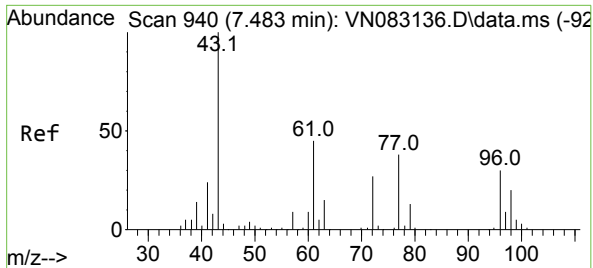
Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 3.569 ug/l
RT: 5.288 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Tgt Ion: 84 Resp: 6309
Ion Ratio Lower Upper
84 100
49 122.3 119.6 179.4
51 43.1 34.8 52.2
86 67.9 52.9 79.3

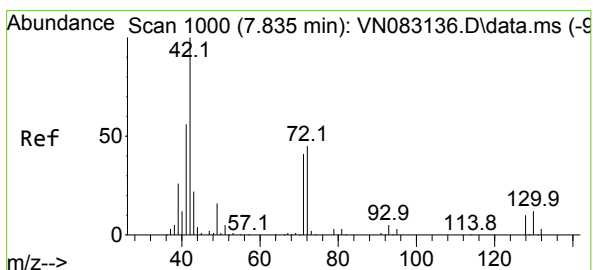
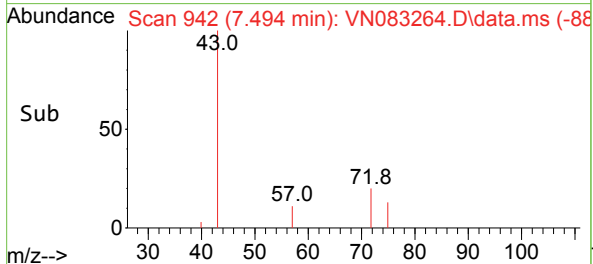
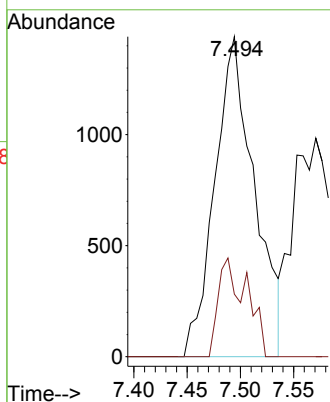
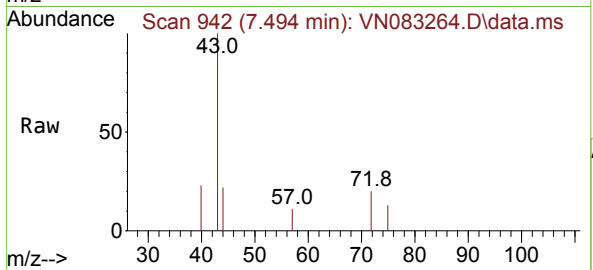




#25
2-Butanone
Concen: 3.156 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

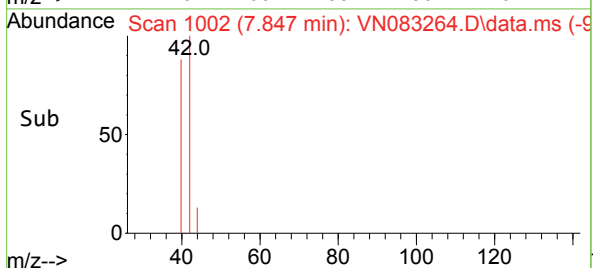
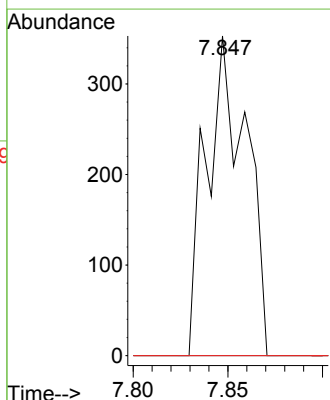
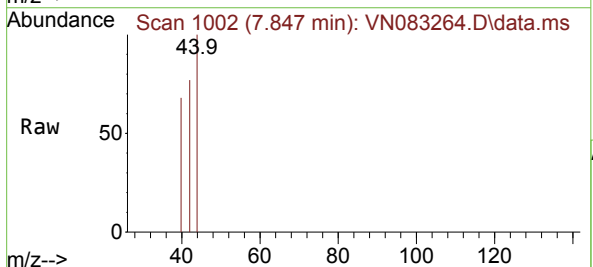
Instrument :
MSVOA_N
ClientSampleId :

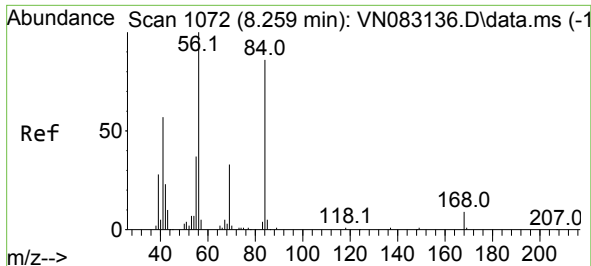
Tgt Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
72 19.6 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.678 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

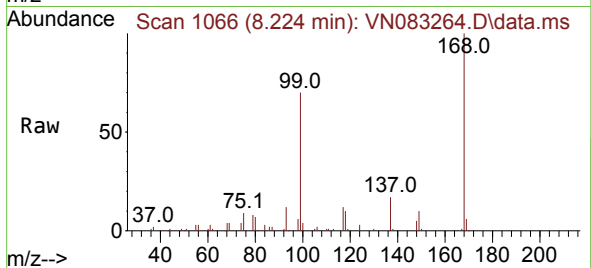
Tgt Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



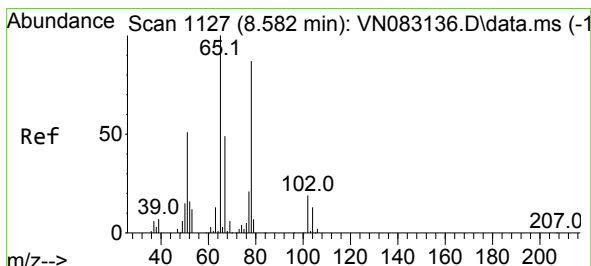
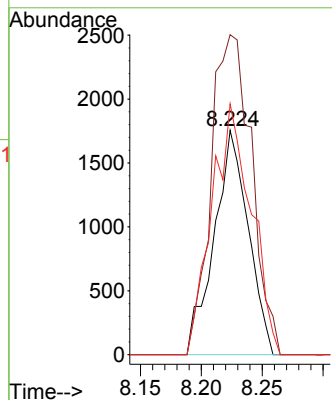
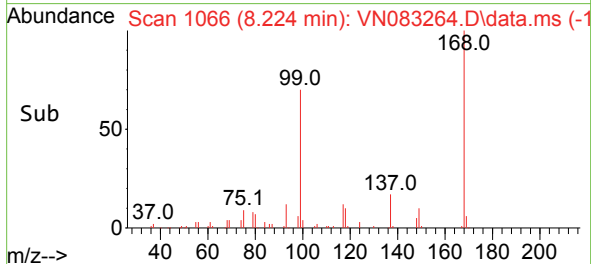


#31
Cyclohexane
Concen: 1.173 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

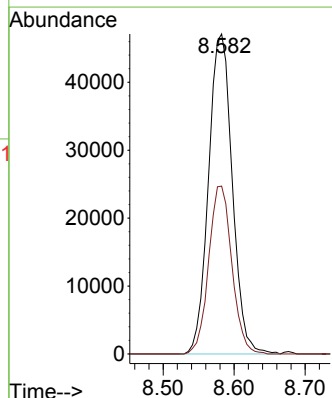
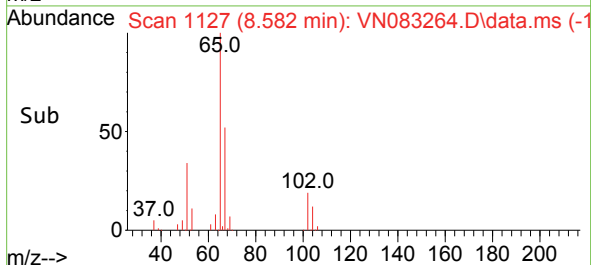
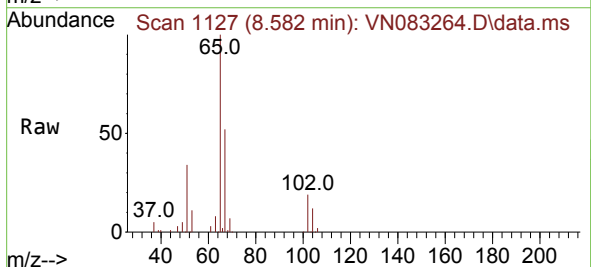


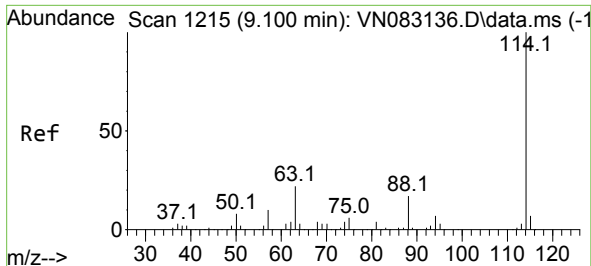
Tgt Ion: 56 Resp: 3411
Ion Ratio Lower Upper
56 100
69 142.7 24.5 36.7#
84 111.9 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.717 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Tgt Ion: 65 Resp: 109360
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083264.D

Acq: 13 Aug 2024 17:44

Instrument :

MSVOA_N

ClientSampleId :

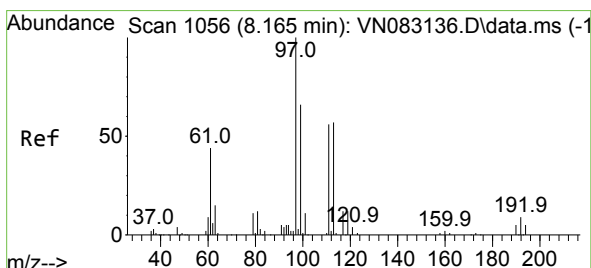
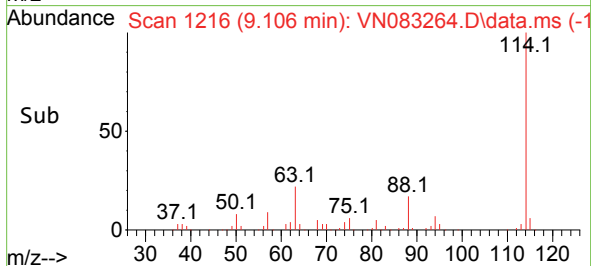
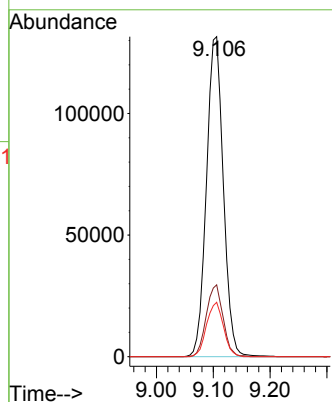
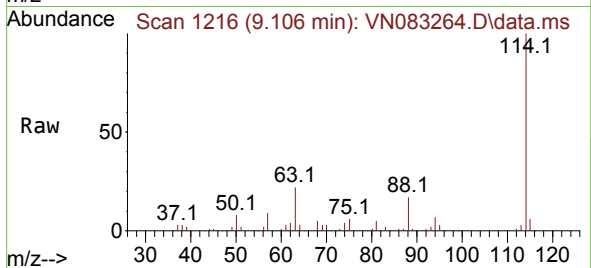
Tgt Ion:114 Resp: 270941

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 17.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.022 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083264.D

Acq: 13 Aug 2024 17:44

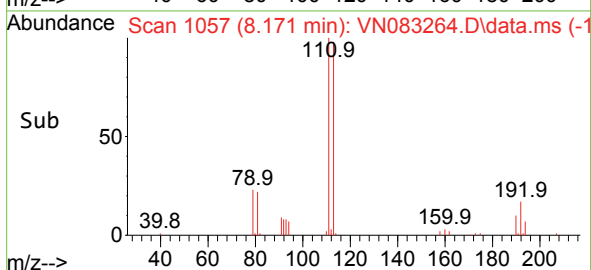
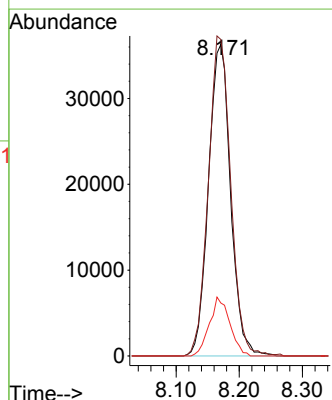
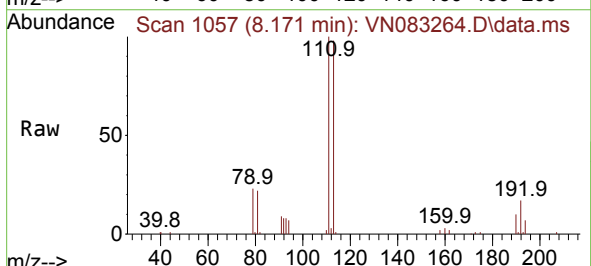
Tgt Ion:113 Resp: 87977

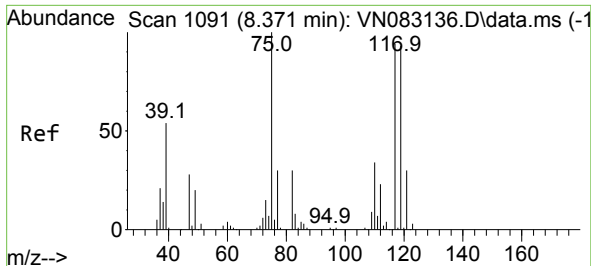
Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

192 17.5 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

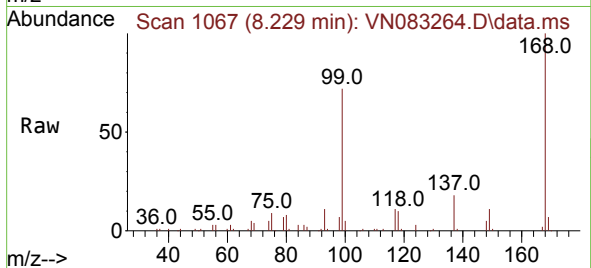
Lab File: VN083264.D

Acq: 13 Aug 2024 17:44

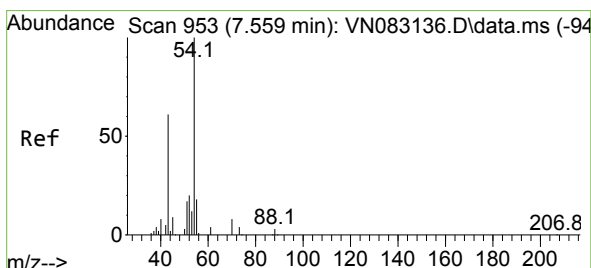
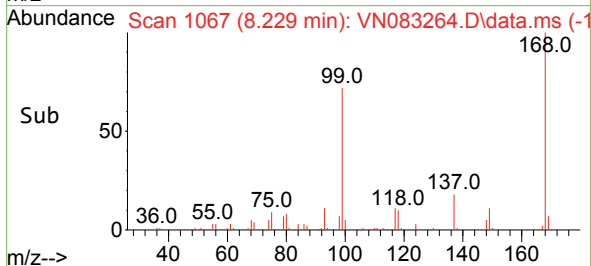
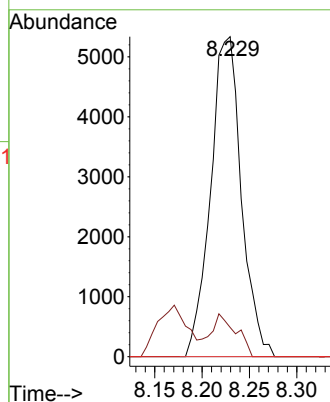
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 12066
Ion Ratio	Lower Upper
75	100
110	10.6 16.3 48.9#
77	0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.224 ug/l

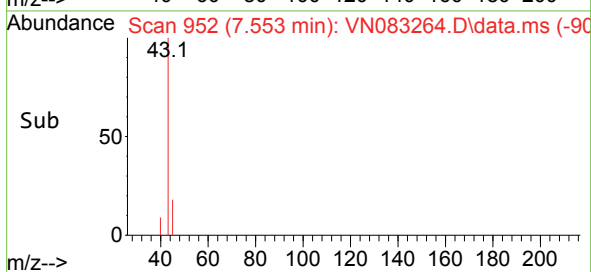
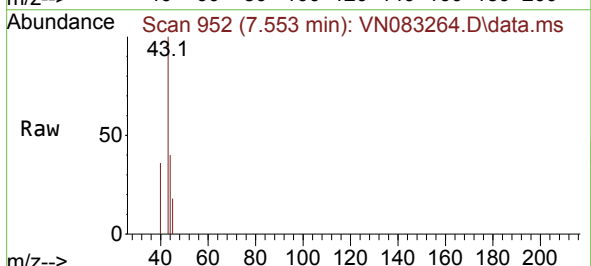
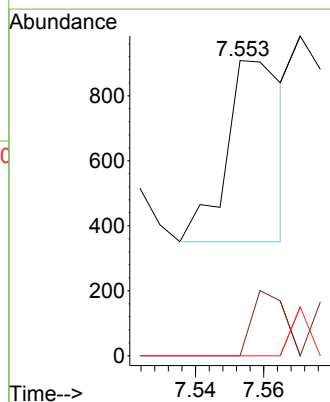
RT: 7.553 min Scan# 952

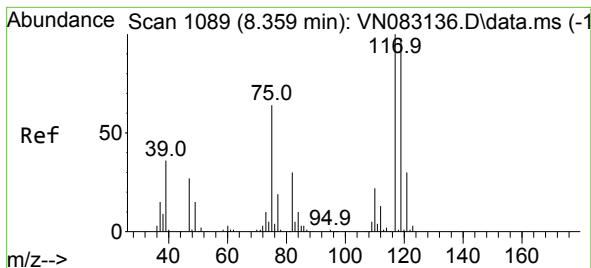
Delta R.T. -0.006 min

Lab File: VN083264.D

Acq: 13 Aug 2024 17:44

Tgt Ion: 43	Resp: 642
Ion Ratio	Lower Upper
43	100
61	29.4 9.3 13.9#
70	8.3 7.0 10.6





#38

Carbon Tetrachloride

Concen: 5.371 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

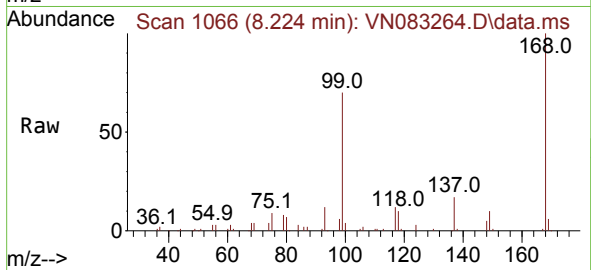
Lab File: VN083264.D

Acq: 13 Aug 2024 17:44

Instrument :

MSVOA_N

ClientSampleId :



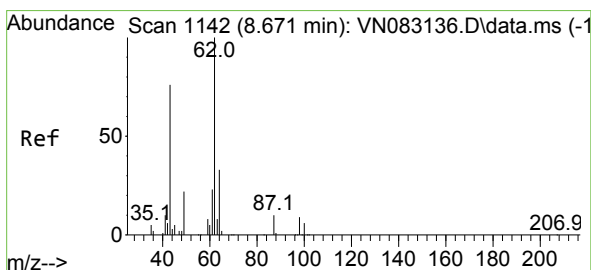
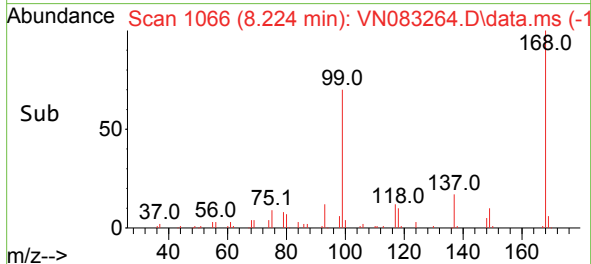
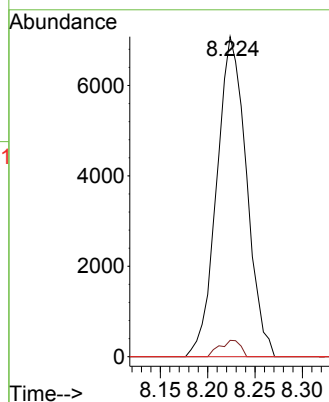
Tgt Ion:117 Resp: 15476

Ion Ratio Lower Upper

117 100

119 5.1 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.238 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN083264.D

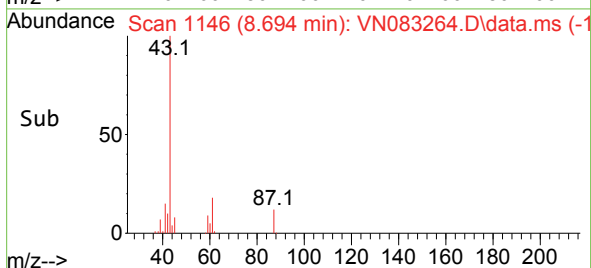
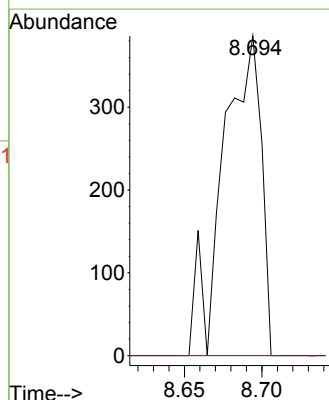
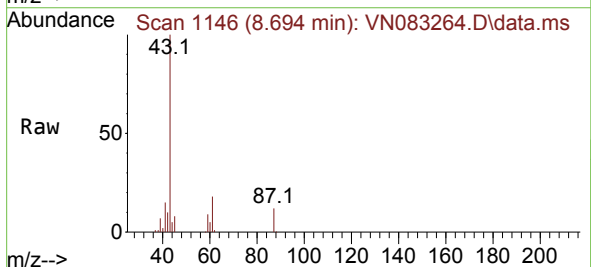
Acq: 13 Aug 2024 17:44

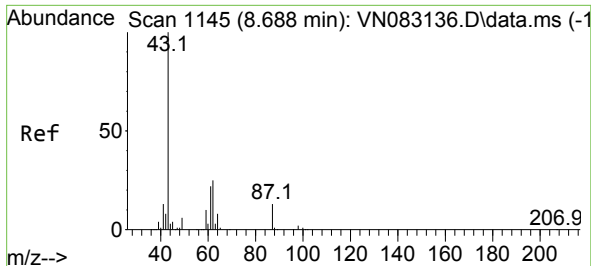
Tgt Ion: 62 Resp: 662

Ion Ratio Lower Upper

62 100

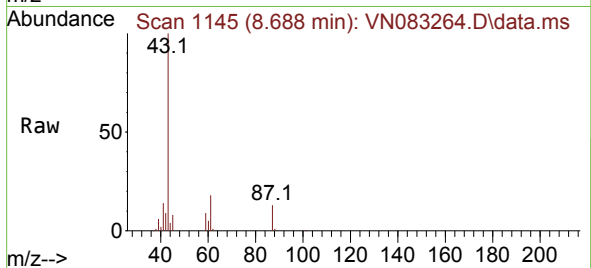
98 0.0 0.0 15.8



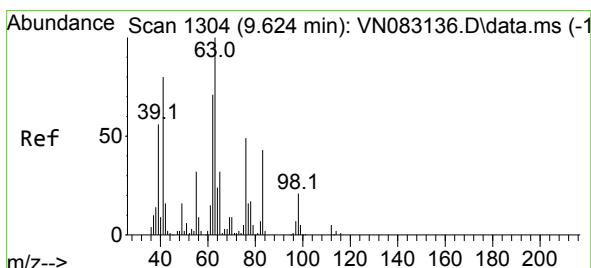
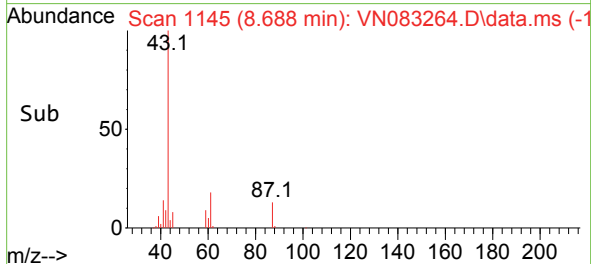
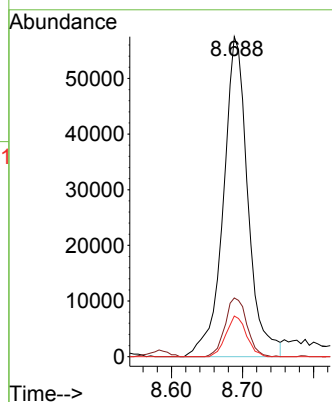


#43
Isopropyl Acetate
Concen: 26.583 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

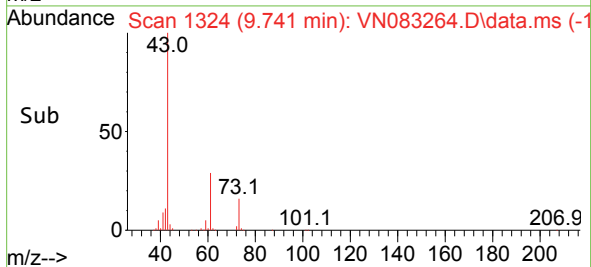
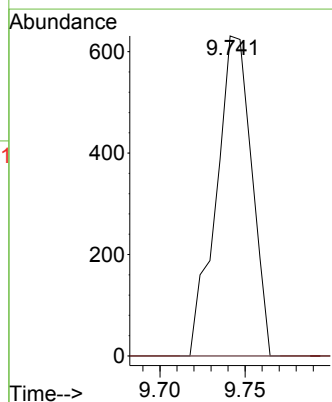
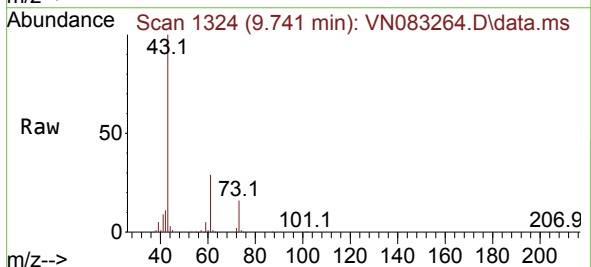


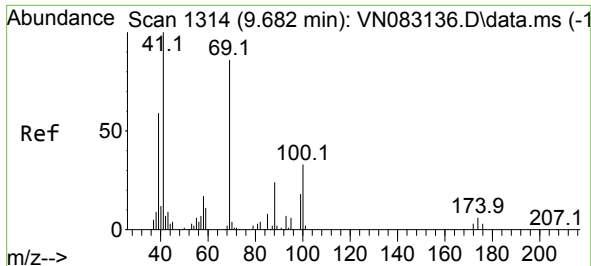
Tgt Ion: 43 Resp: 137967
Ion Ratio Lower Upper
43 100
61 16.4 17.8 26.6#
87 10.6 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.505 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

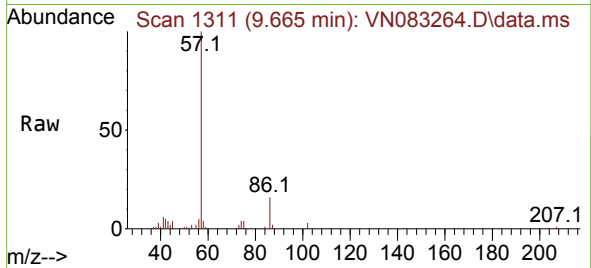
Tgt Ion: 63 Resp: 914
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



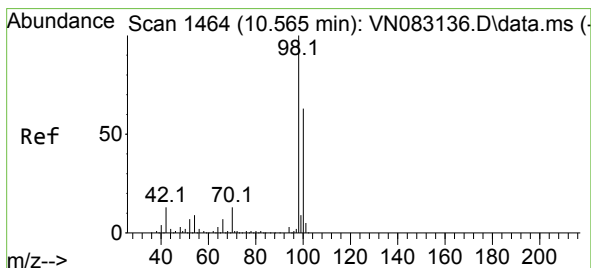
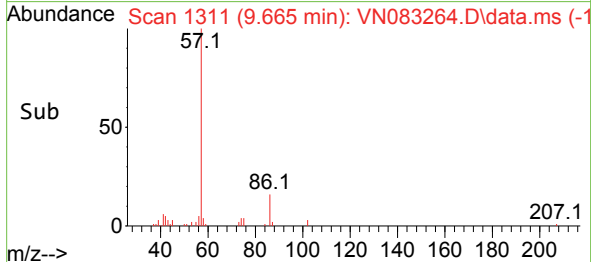
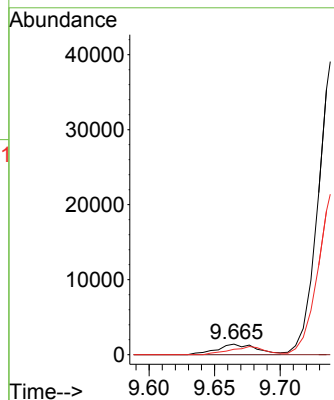


#48
Methyl methacrylate
Concen: 1.264 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

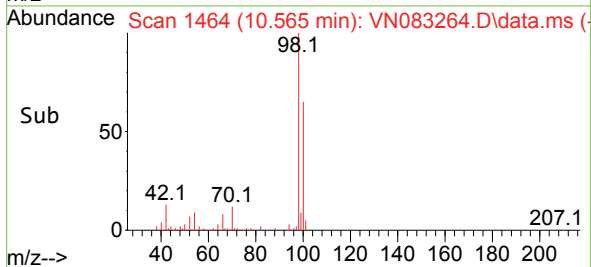
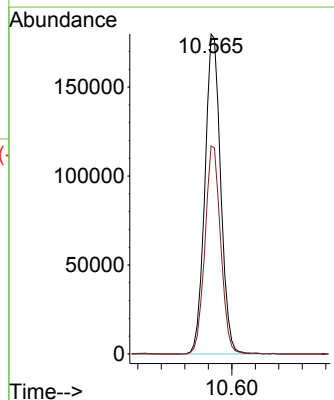
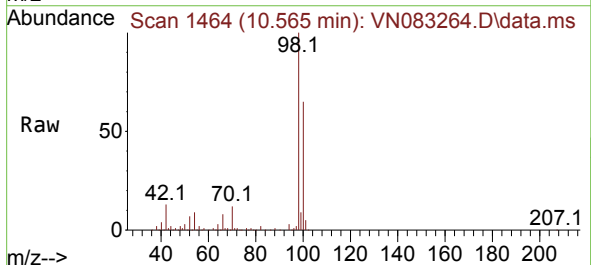


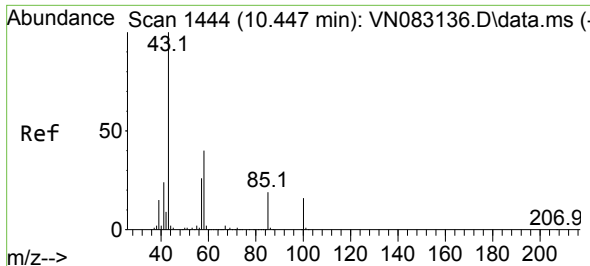
Tgt Ion: 41 Resp: 2993
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 66.2 50.3 75.5



#50
Toluene-d8
Concen: 53.118 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Tgt Ion: 98 Resp: 335091
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3

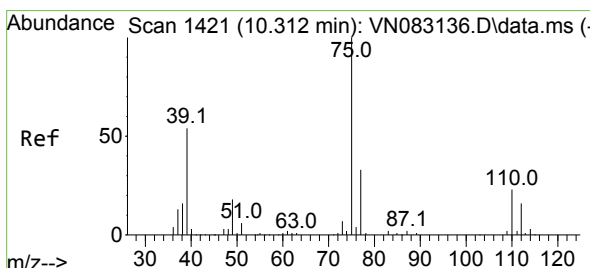
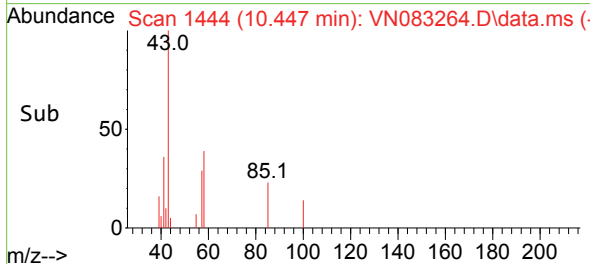
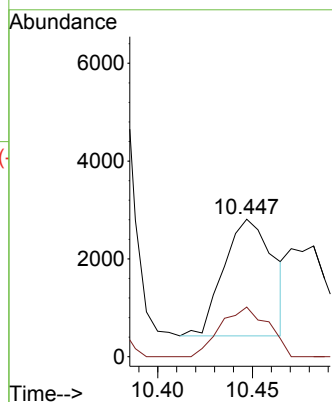
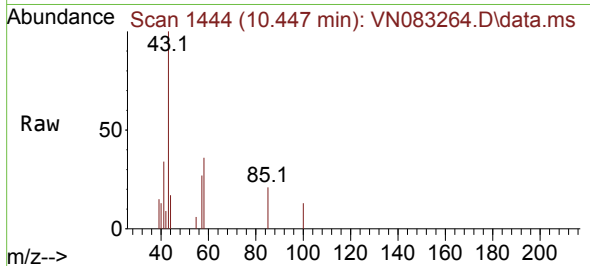




#51
4-Methyl-2-Pentanone
Concen: 1.600 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

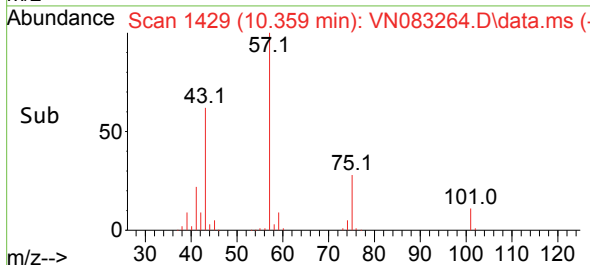
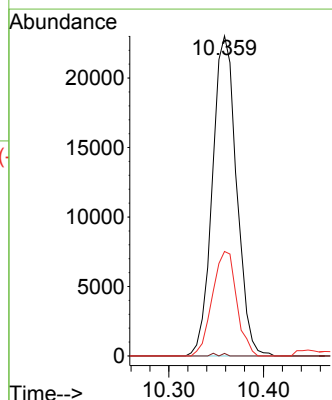
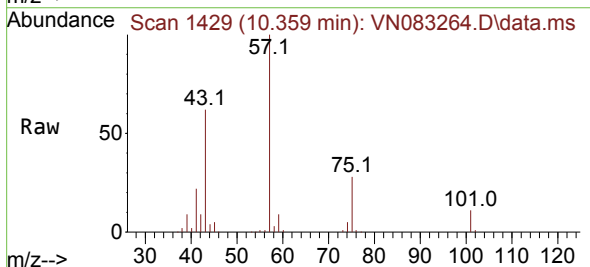
Instrument :
MSVOA_N
ClientSampleId :

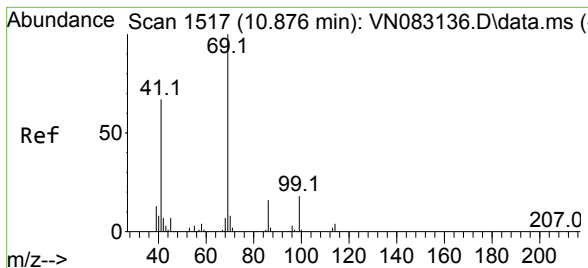
Tgt Ion: 43 Resp: 4334
Ion Ratio Lower Upper
43 100
58 41.2 28.2 42.4



#54
cis-1,3-Dichloropropene
Concen: 12.848 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

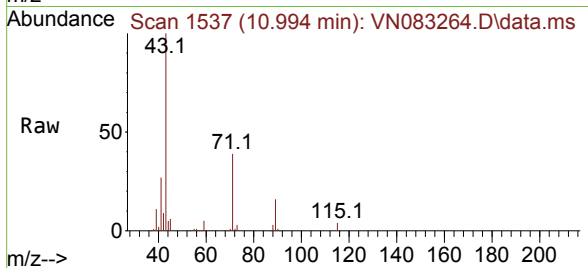
Tgt Ion: 75 Resp: 40812
Ion Ratio Lower Upper
75 100
77 0.8 24.3 36.5#
39 32.7 50.5 75.7#



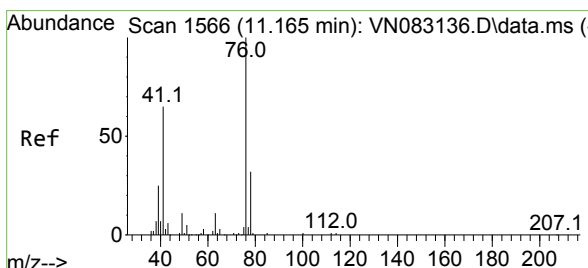
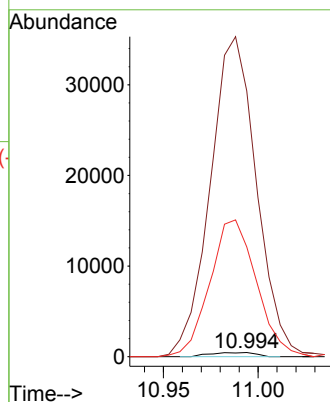
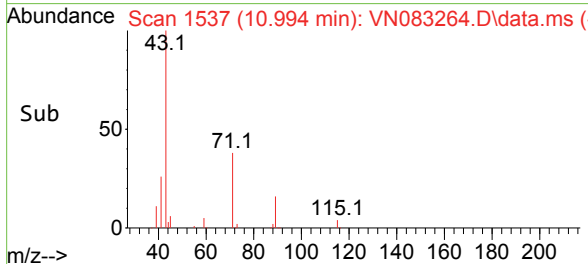


#56
Ethyl methacrylate
Concen: 0.231 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

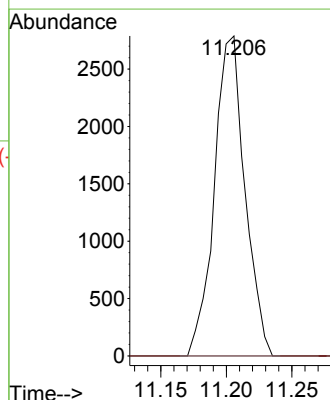
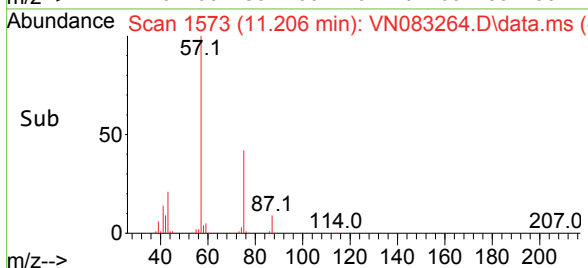
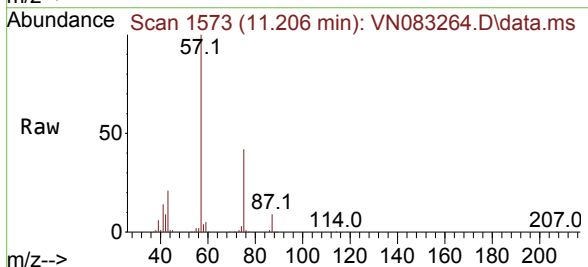


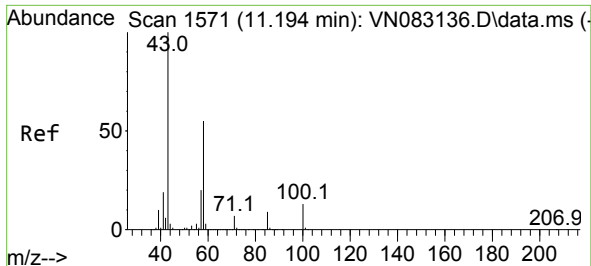
Tgt Ion: 69 Resp: 751
Ion Ratio Lower Upper
69 100
41 8017.3 63.4 95.2#
39 3453.7 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.470 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Tgt Ion: 76 Resp: 4521
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

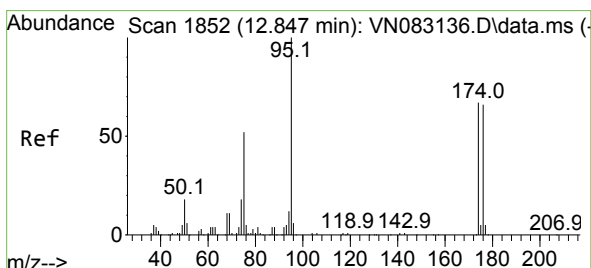
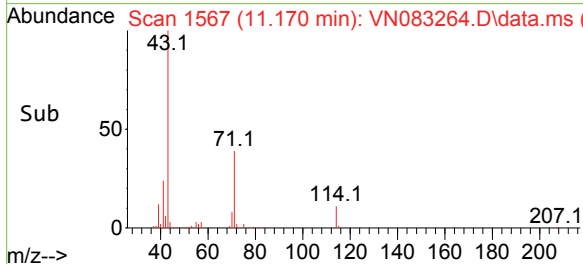
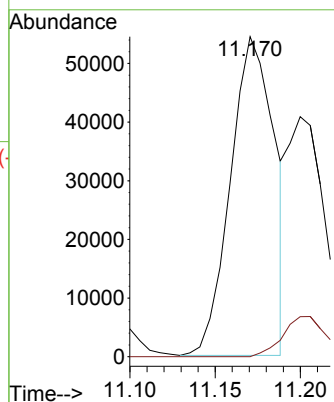
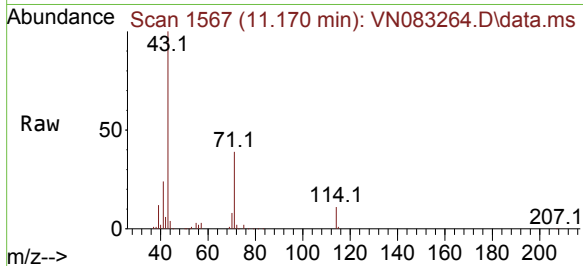




#59
2-Hexanone
Concen: 46.410 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

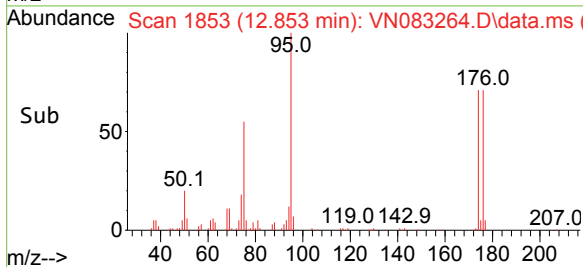
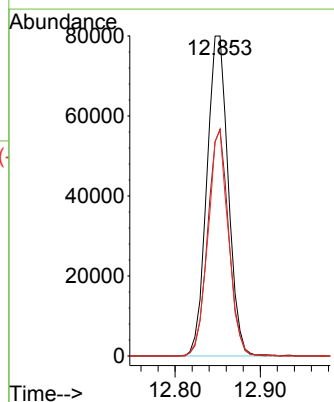
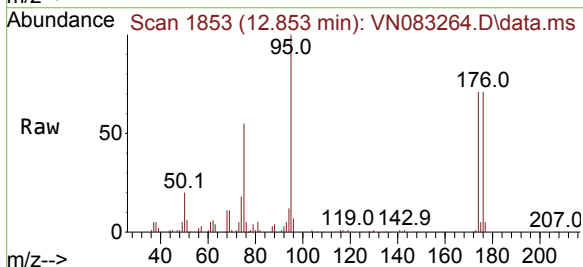
Instrument :
MSVOA_N
ClientSampleId :

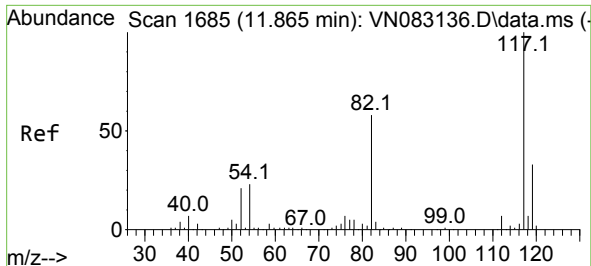
Tgt Ion: 43 Resp: 97253
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 56.790 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

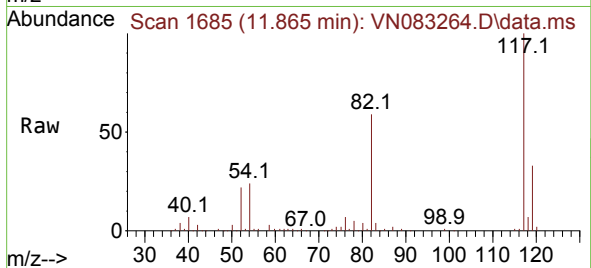
Tgt Ion: 95 Resp: 139669
Ion Ratio Lower Upper
95 100
174 69.0 0.0 159.2
176 67.1 0.0 147.6



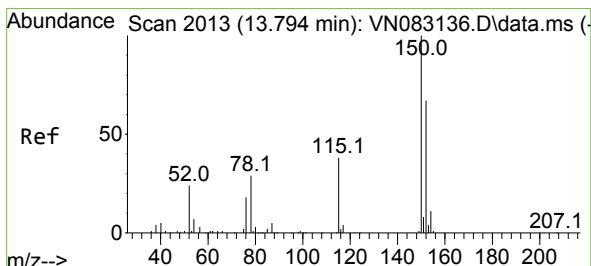
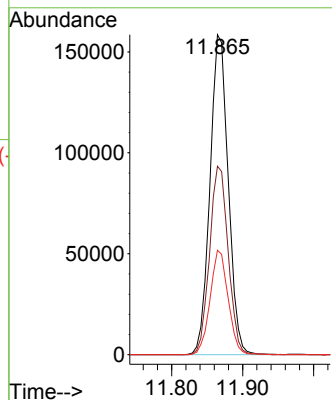
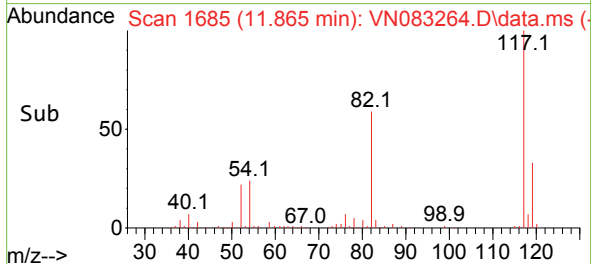


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

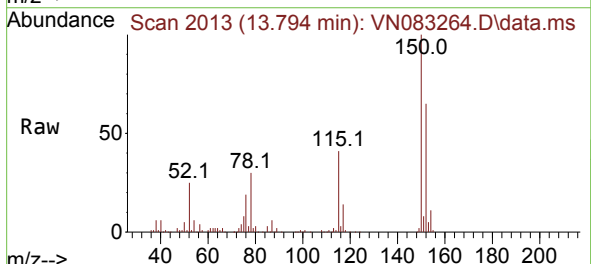
Instrument :
MSVOA_N
ClientSampleId :



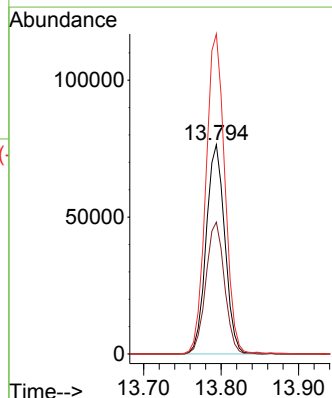
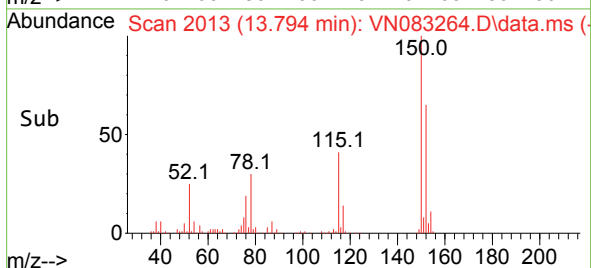
Tgt Ion:117 Resp: 282618
Ion Ratio Lower Upper
117 100
82 58.9 47.5 71.3
119 32.6 25.6 38.4

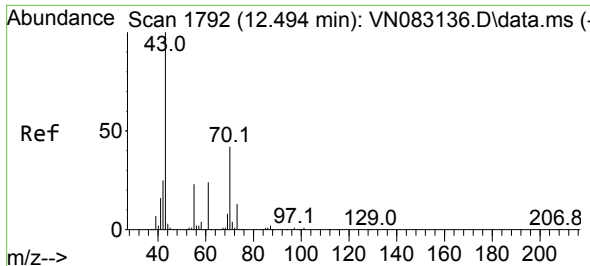


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44



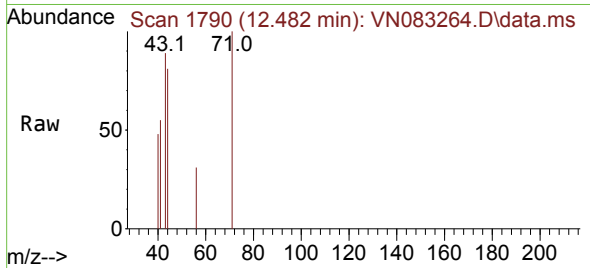
Tgt Ion:152 Resp: 127700
Ion Ratio Lower Upper
152 100
115 63.0 30.6 91.6
150 155.5 0.0 348.6



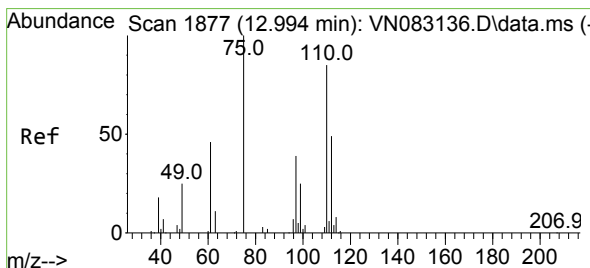
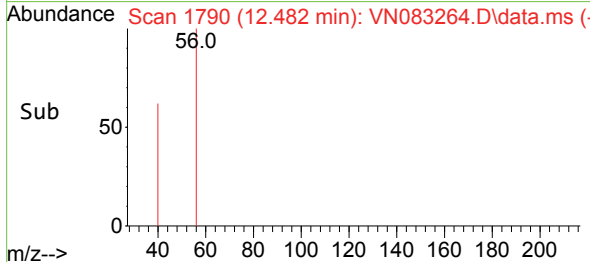
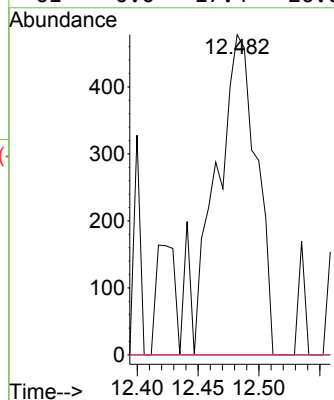


#74
N-amy1 acetate
Concen: 0.220 ug/l
RT: 12.482 min Scan# 1152
Delta R.T. -0.012 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

Instrument :
MSVOA_N
ClientSampleId :

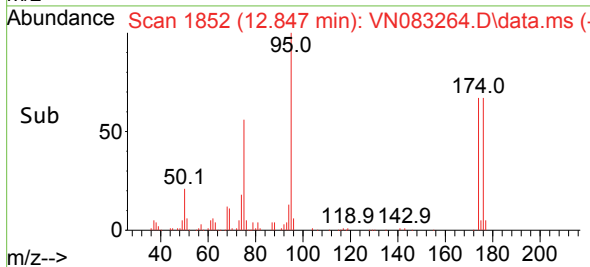
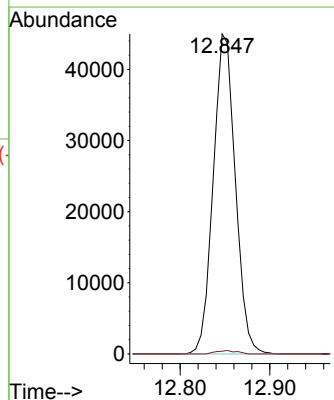
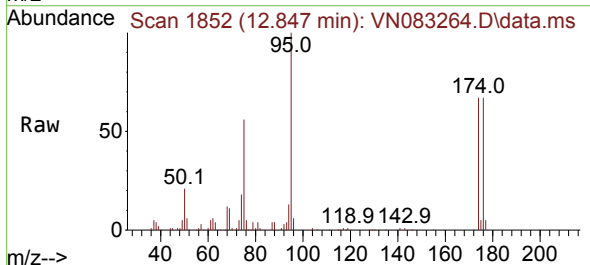


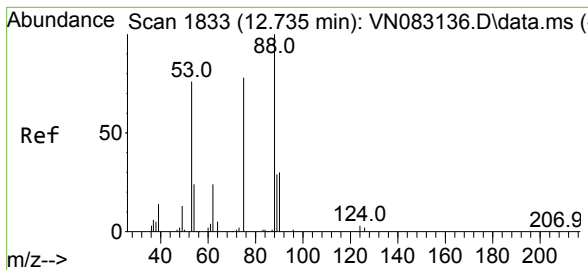
Tgt Ion:	43	Resp:	1152
Ion Ratio	100	Lower	Upper
70	0.0	29.8	44.6#
55	0.0	18.7	28.1#
61	0.0	17.4	26.0#



#76
1,2,3-Trichloropropane
Concen: 27.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083264.D
Acq: 13 Aug 2024 17:44

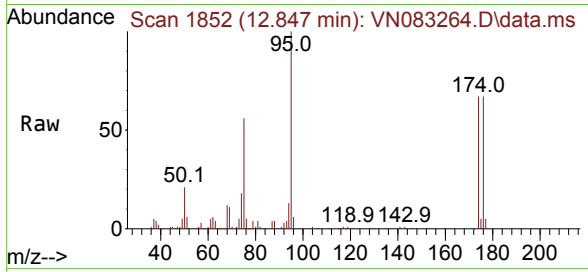
Tgt Ion:	75	Resp:	76882
Ion Ratio	100	Lower	Upper
77	1.0	110.9	332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.670 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083264.D
 Acq: 13 Aug 2024 17:44

Instrument :
 MSVOA_N
 ClientSampleId :



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

