

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083270.D
 Acq On : 13 Aug 2024 20:10
 Operator : JC\MD
 Sample : PB162587TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

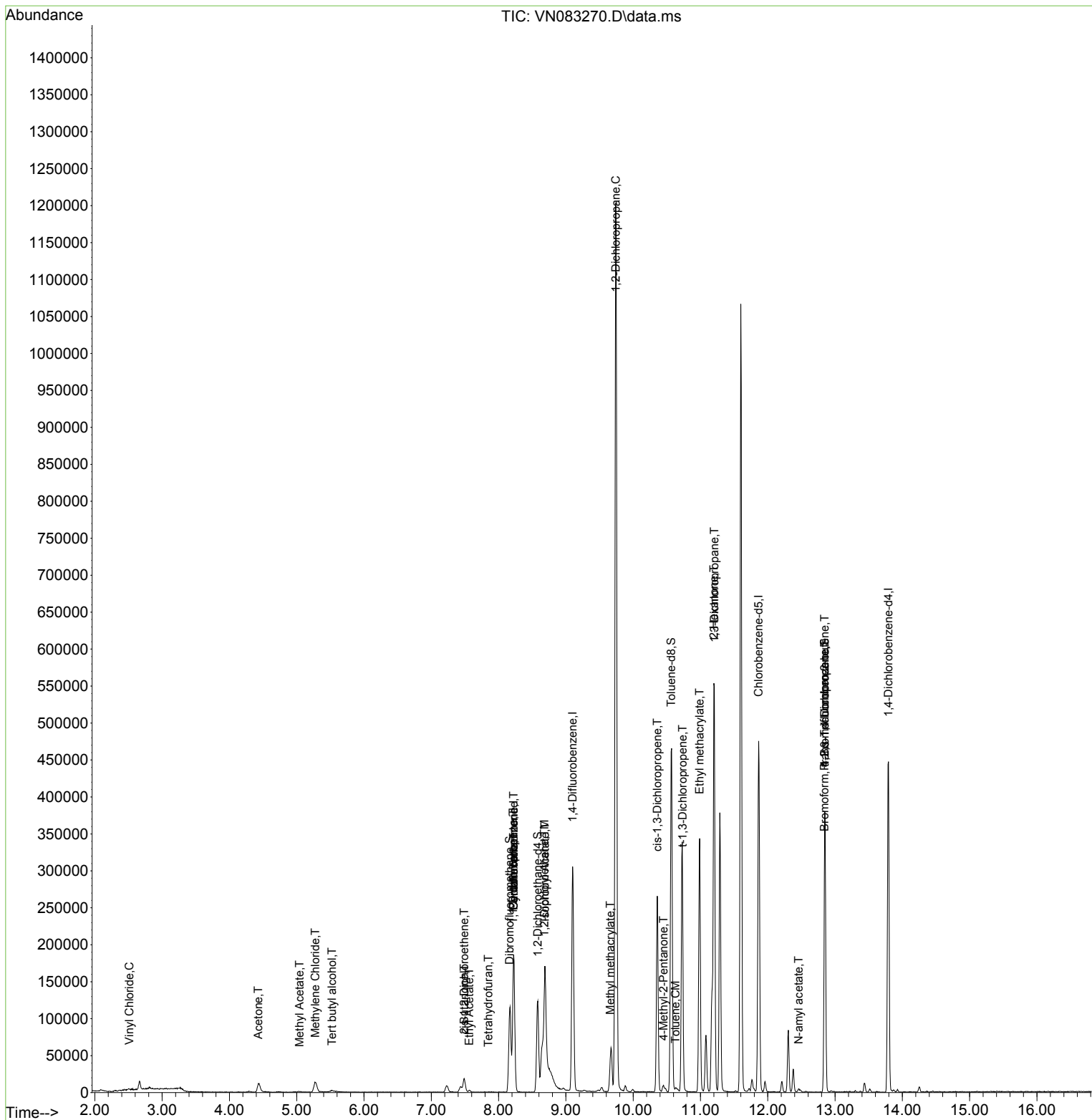
Quant Time: Aug 14 01:50:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

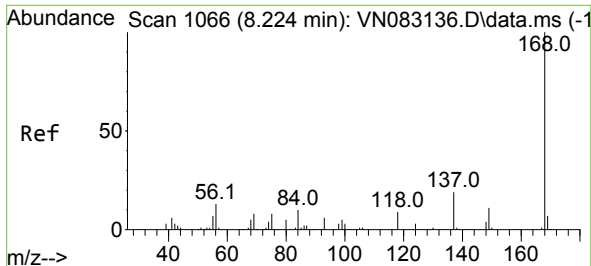
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	128919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	107194	58.416	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.840%	
35) Dibromofluoromethane	8.165	113	83115	52.366	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.740%	
50) Toluene-d8	10.565	98	324217	54.761	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.520%	
62) 4-Bromofluorobenzene	12.847	95	134439	58.244	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 116.480%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.512	62	448	0.293	ug/l #	28
11) Tert butyl alcohol	5.524	59	3130	8.208	ug/l #	71
16) Acetone	4.430	43	23563	32.816	ug/l	94
18) Methyl Acetate	5.042	43	2434	1.138	ug/l #	61
20) Methylene Chloride	5.277	84	10812	6.543	ug/l #	81
25) 2-Butanone	7.489	43	16514	14.978	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	5001	2.806	ug/l	81
29) Tetrahydrofuran	7.847	42	257	0.361	ug/l #	38
31) Cyclohexane	8.224	56	3189	1.173	ug/l #	4
36) 1,1-Dichloropropene	8.218	75	11879	4.948	ug/l #	52
37) Ethyl Acetate	7.565	43	4000	1.488	ug/l #	93
38) Carbon Tetrachloride	8.224	117	14608	5.402	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	1007	0.386	ug/l #	78
43) Isopropyl Acetate	8.688	43	312995	68.633	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1541	0.908	ug/l #	44
48) Methyl methacrylate	9.659	41	4976	2.239	ug/l #	54
51) 4-Methyl-2-Pentanone	10.453	43	10158	3.996	ug/l #	79
52) Toluene	10.630	92	1996	0.442	ug/l	92
53) t-1,3-Dichloropropene	10.735	75	848	0.303	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	46108	15.466	ug/l #	57
56) Ethyl methacrylate	10.988	69	840	0.275	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5751	1.992	ug/l #	43
59) 2-Hexanone	11.200	43	80129	40.743	ug/l #	63
71) Bromoform	12.841	173	438	0.274	ug/l #	1
74) N-amyl acetate	12.459	43	4636	0.952	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	73889	28.275	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73889	61.505	ug/l #	6

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

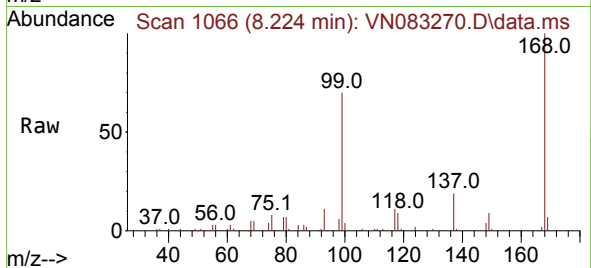
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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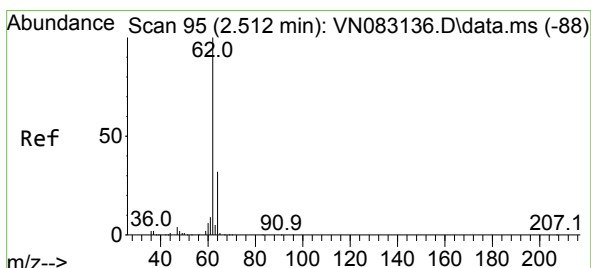
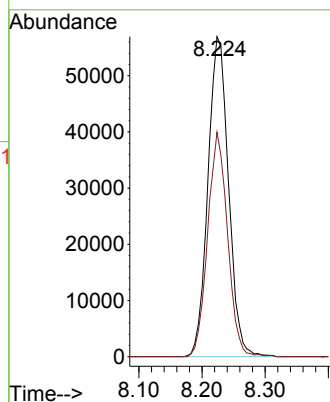
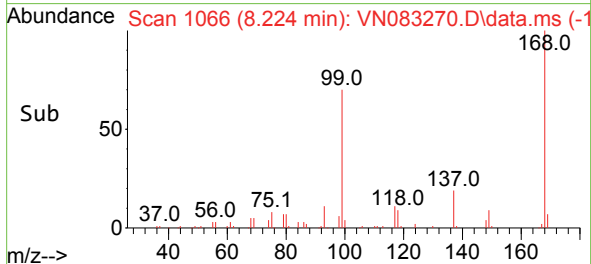


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :

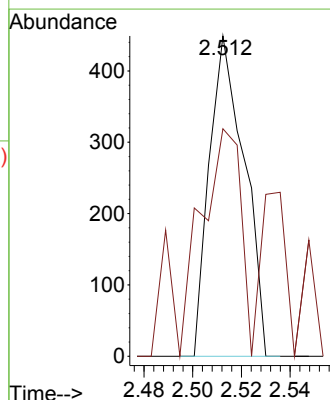
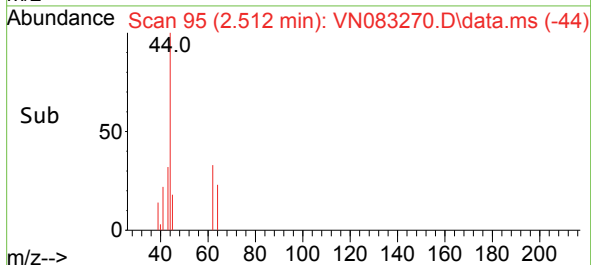
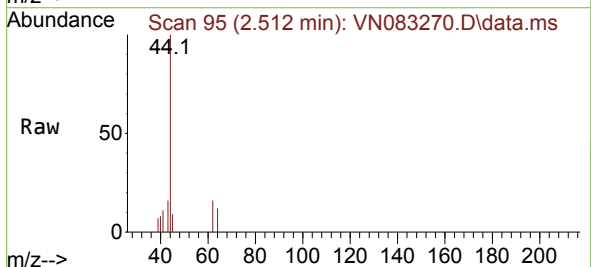


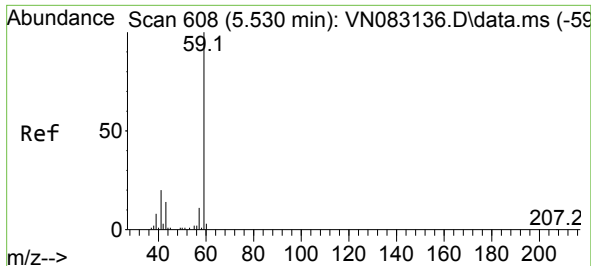
Tgt Ion:168 Resp: 128919
Ion Ratio Lower Upper
168 100
99 70.1 48.2 72.4



#4
Vinyl Chloride
Concen: 0.293 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Tgt Ion: 62 Resp: 448
Ion Ratio Lower Upper
62 100
64 71.0 25.0 37.6#





#11

Tert butyl alcohol

Concen: 8.208 ug/l

RT: 5.524 min Scan# 608

Delta R.T. -0.006 min

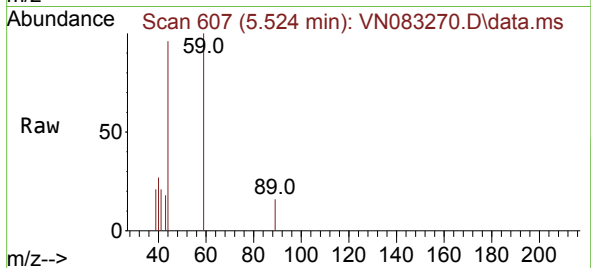
Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

Instrument :

MSVOA_N

ClientSampleId :

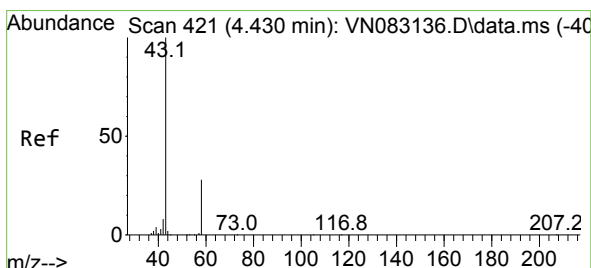
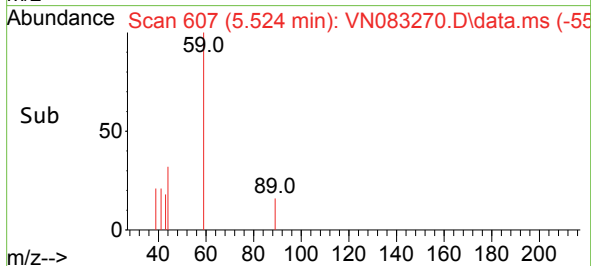
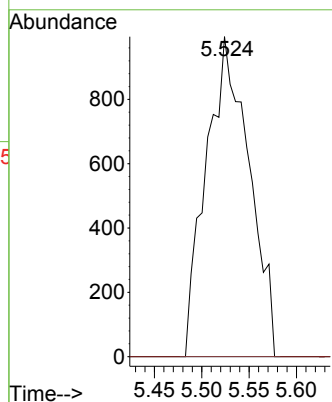


Tgt Ion: 59 Resp: 3130

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 32.816 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN083270.D

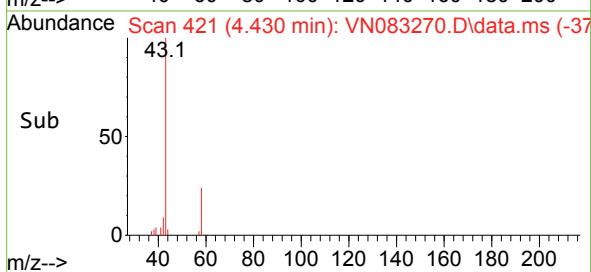
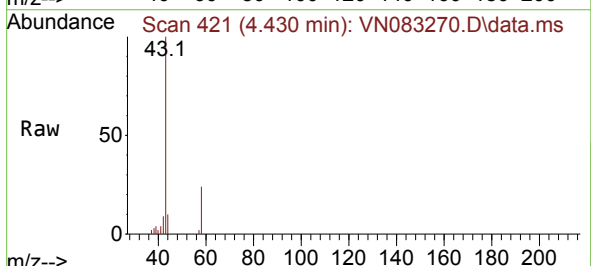
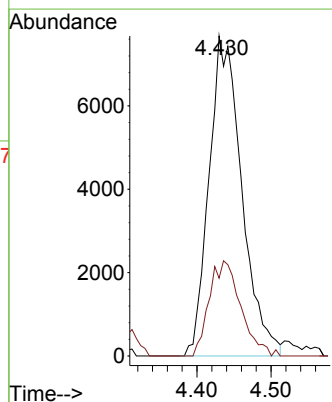
Acq: 13 Aug 2024 20:10

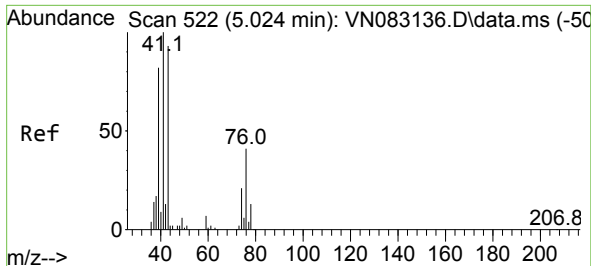
Tgt Ion: 43 Resp: 23563

Ion Ratio Lower Upper

43 100

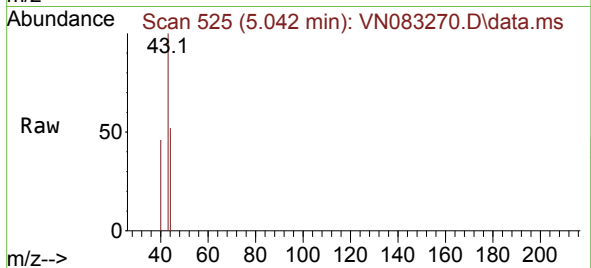
58 24.3 21.8 32.6



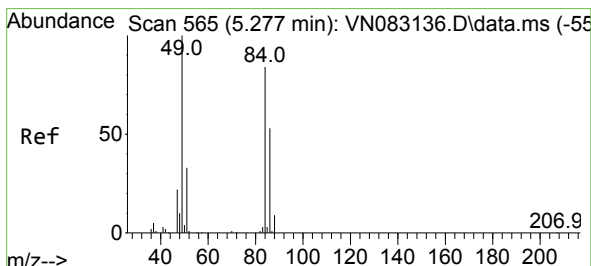
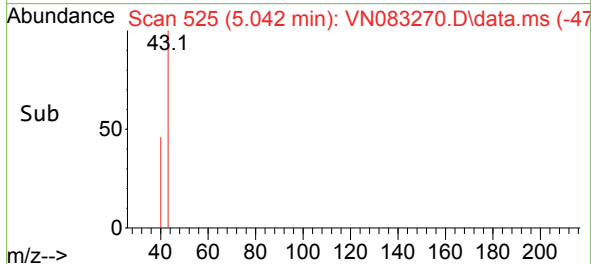
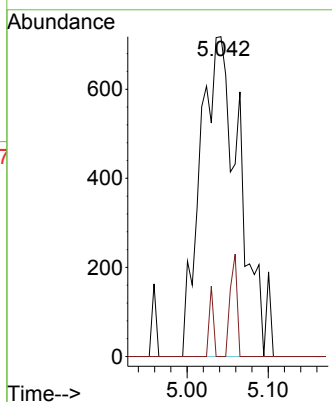


#18
Methyl Acetate
Concen: 1.138 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :

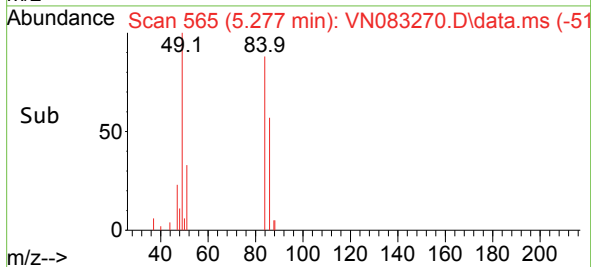
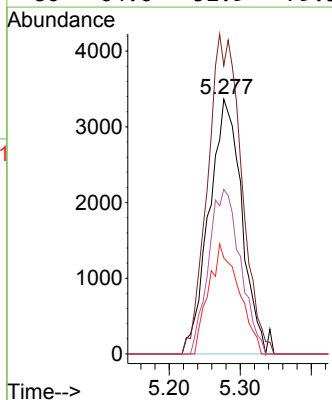
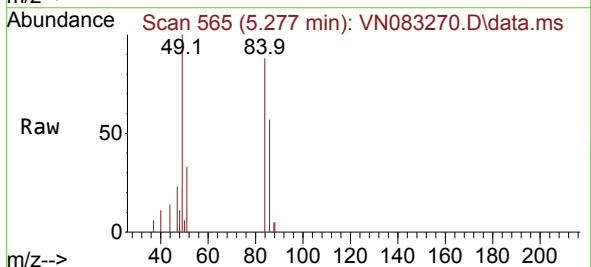


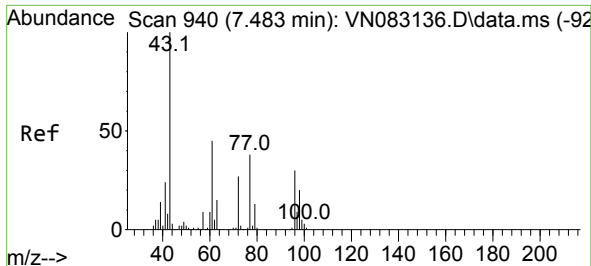
Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
74 2.3 16.3 24.5#



#20
Methylene Chloride
Concen: 6.543 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Tgt Ion: 84 Resp: 10812
Ion Ratio Lower Upper
84 100
49 113.3 119.6 179.4#
51 37.7 34.8 52.2
86 64.6 52.9 79.3

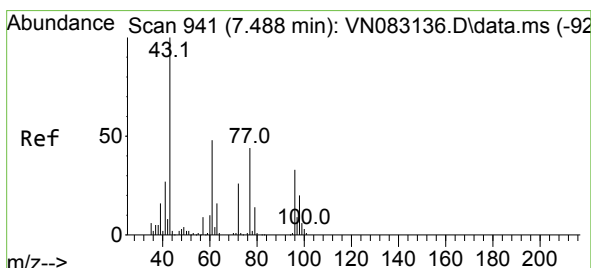
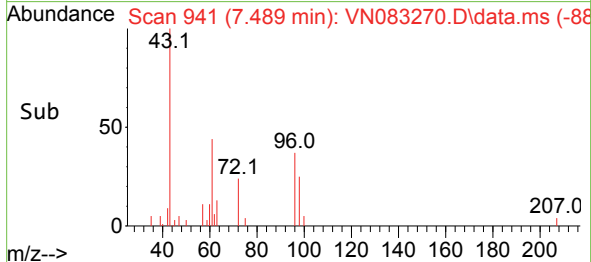
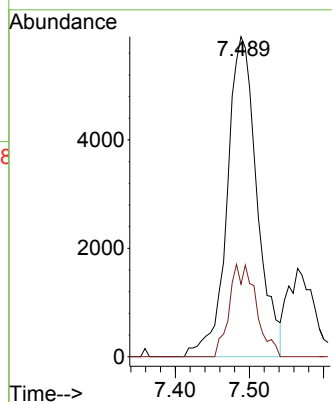
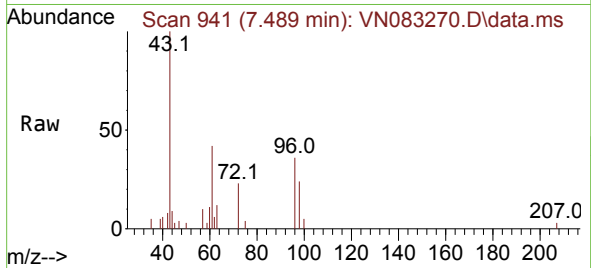




#25
2-Butanone
Concen: 14.978 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

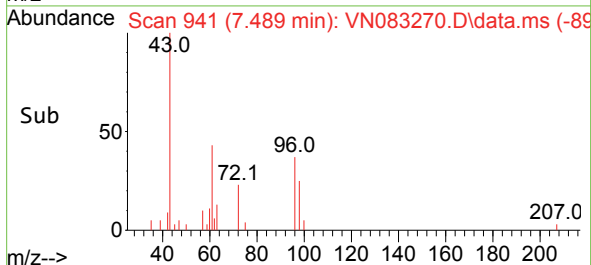
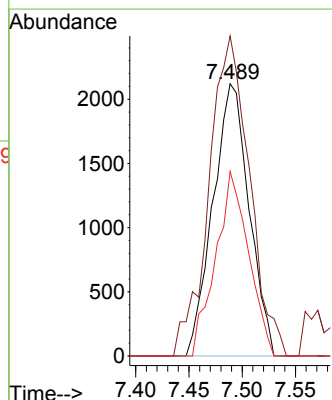
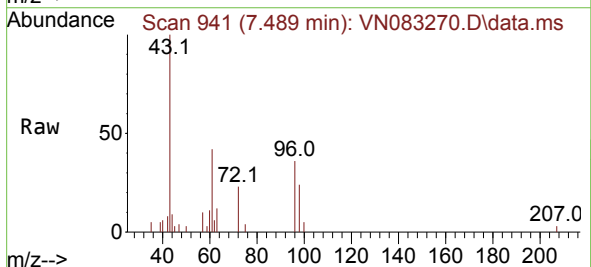
Instrument :
MSVOA_N
ClientSampleId :

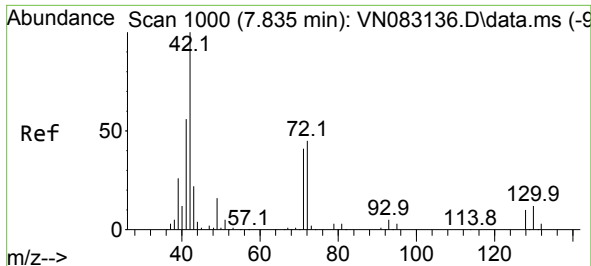
Tgt Ion: 43 Resp: 16514
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.2



#27
cis-1,2-Dichloroethene
Concen: 2.806 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

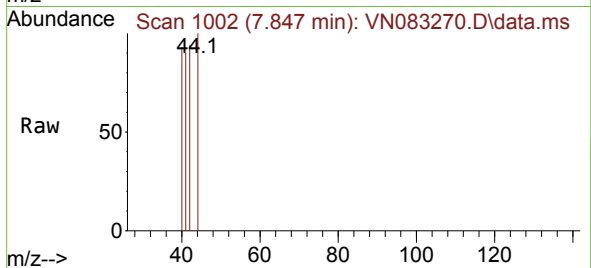
Tgt Ion: 96 Resp: 5001
Ion Ratio Lower Upper
96 100
61 131.9 0.0 329.6
98 61.7 0.0 128.6



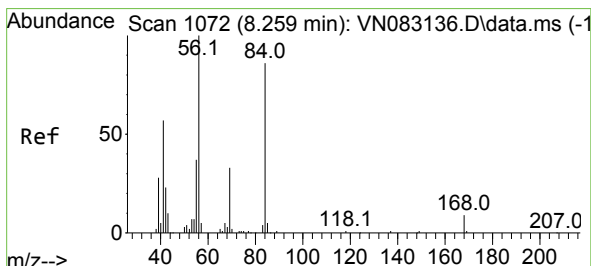
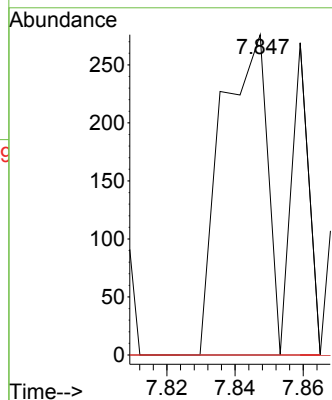
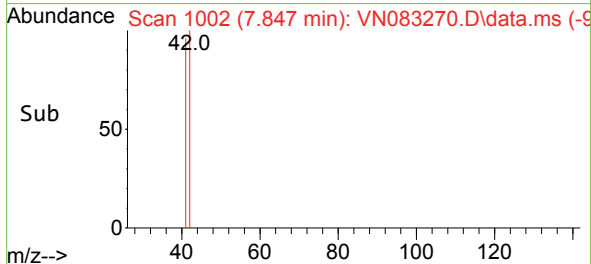


#29
Tetrahydrofuran
Concen: 0.361 ug/l
RT: 7.847 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :

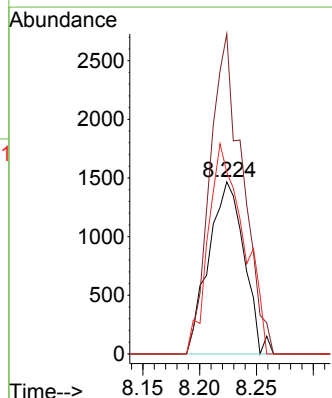
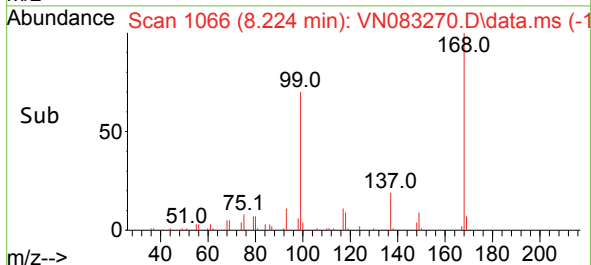
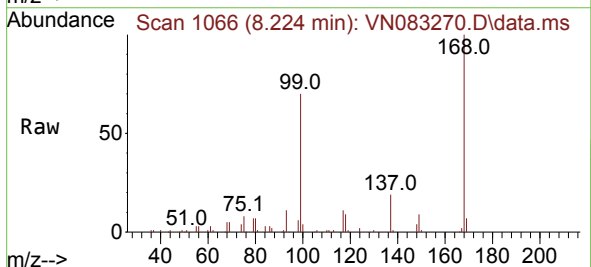


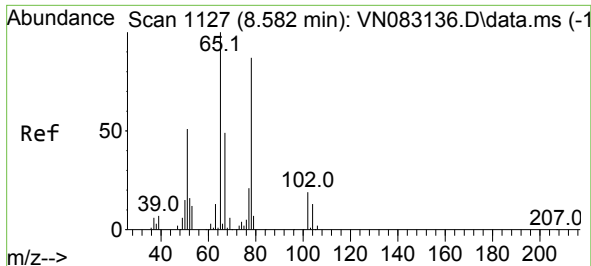
Tgt Ion: 42 Resp: 257
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Tgt Ion: 56 Resp: 3189
Ion Ratio Lower Upper
56 100
69 186.0 24.5 36.7#
84 105.7 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 58.416 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

Instrument :

MSVOA_N

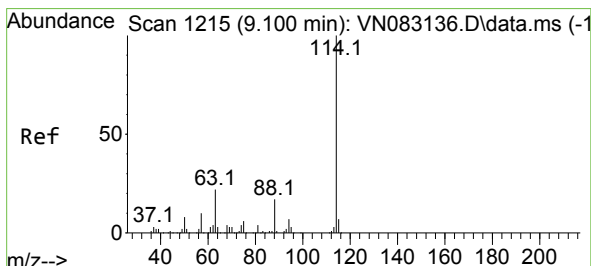
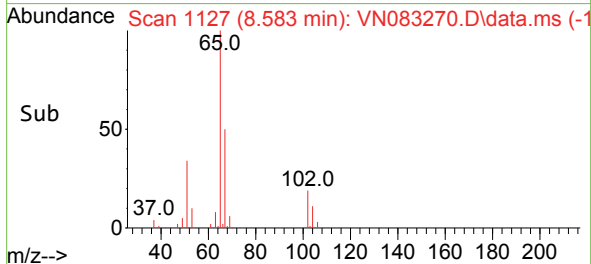
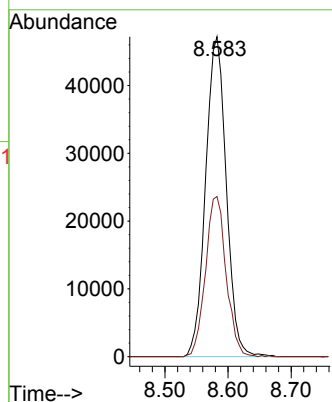
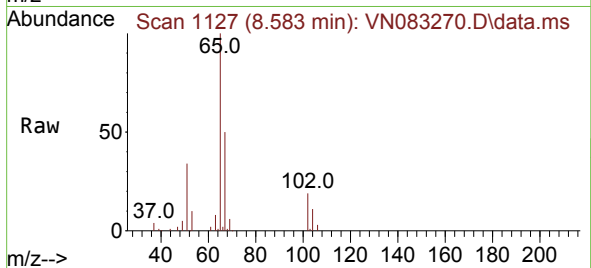
ClientSampleId :

Tgt Ion: 65 Resp: 107194

Ion Ratio Lower Upper

65 100

67 50.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

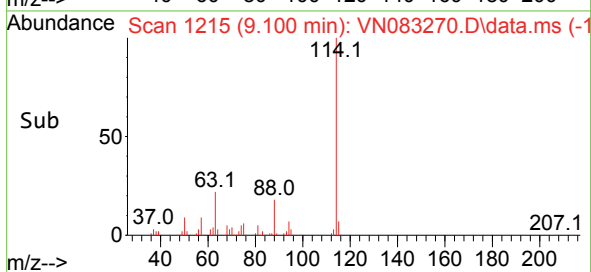
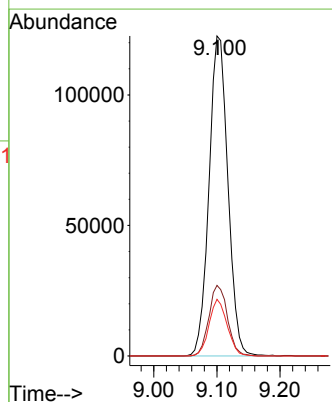
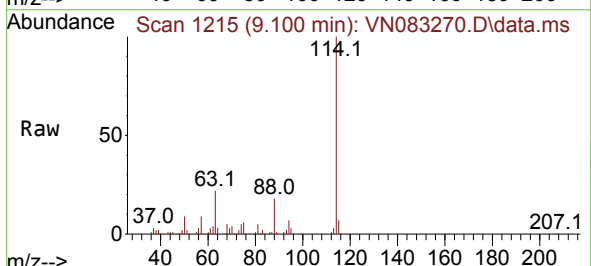
Tgt Ion: 114 Resp: 254285

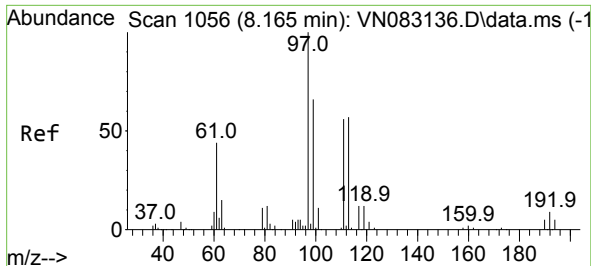
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.6

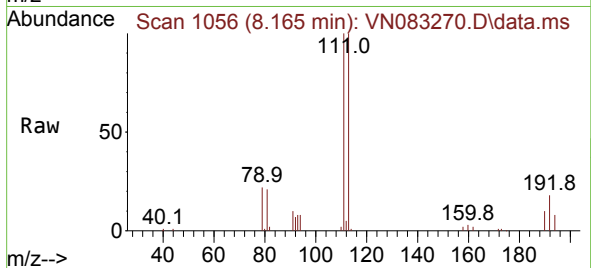
88 17.7 0.0 31.4



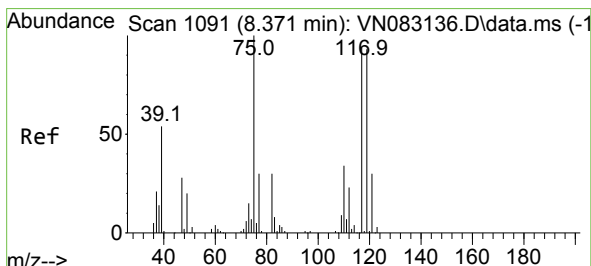
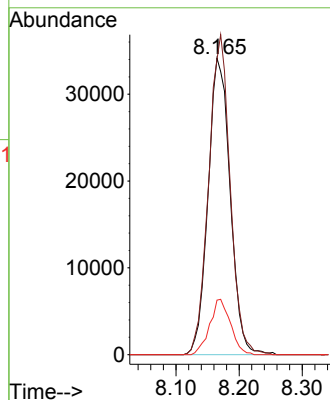
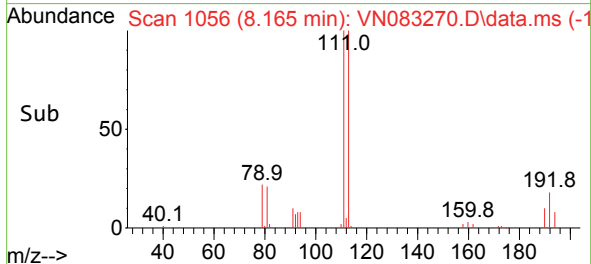


#35
Dibromofluoromethane
Concen: 52.366 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :

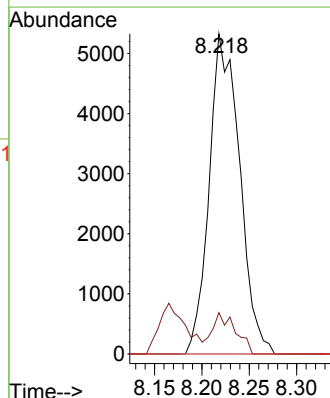
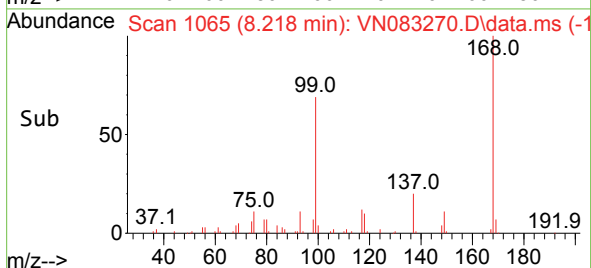
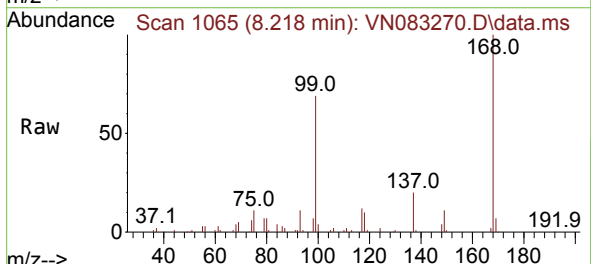


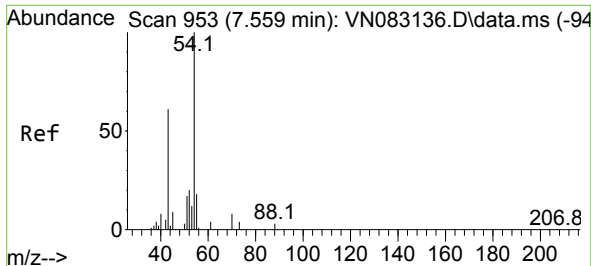
Tgt Ion:113 Resp: 83115
Ion Ratio Lower Upper
113 100
111 104.9 82.4 123.6
192 17.5 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.948 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

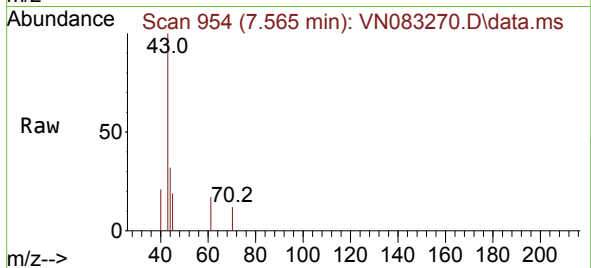
Tgt Ion: 75 Resp: 11879
Ion Ratio Lower Upper
75 100
110 10.0 16.3 48.9#
77 0.0 24.6 37.0#



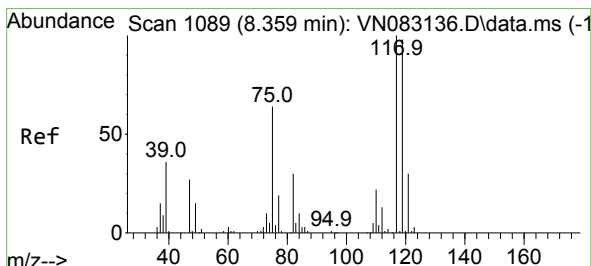
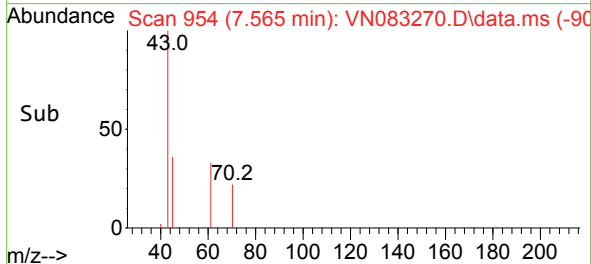
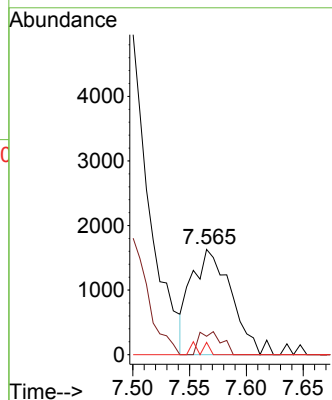


#37
Ethyl Acetate
Concen: 1.488 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :

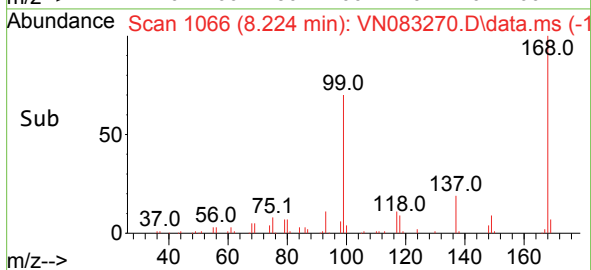
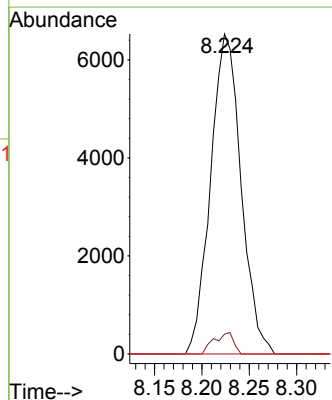
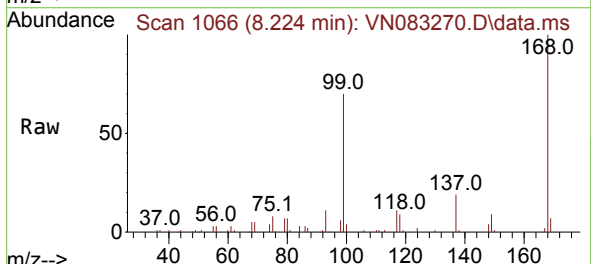


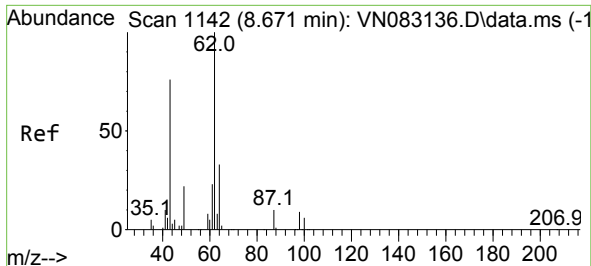
Tgt Ion: 43 Resp: 4000
Ion Ratio Lower Upper
43 100
61 12.3 9.3 13.9
70 3.5 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.402 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Tgt Ion: 117 Resp: 14608
Ion Ratio Lower Upper
117 100
119 6.2 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.386 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

Instrument :

MSVOA_N

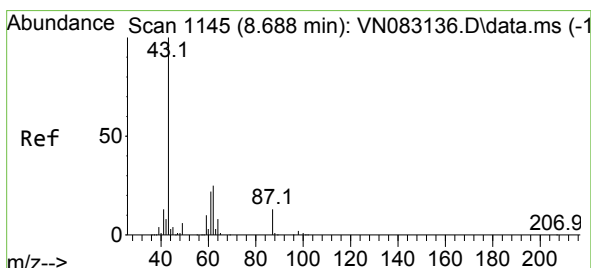
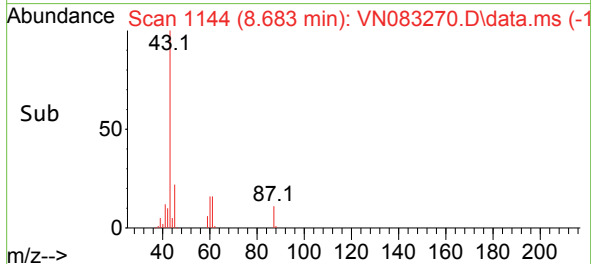
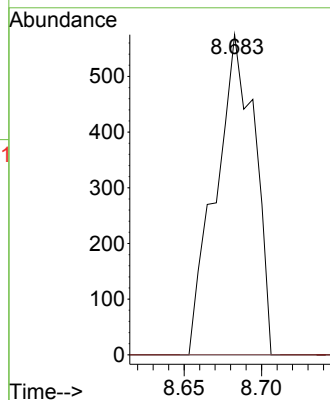
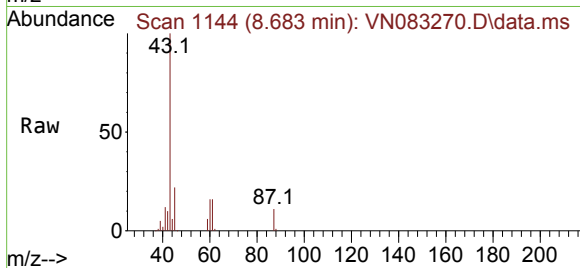
ClientSampleId :

Tgt Ion: 62 Resp: 1007

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 68.633 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

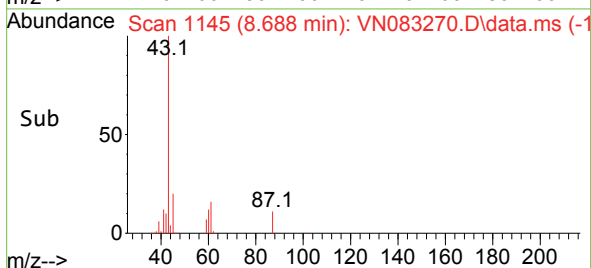
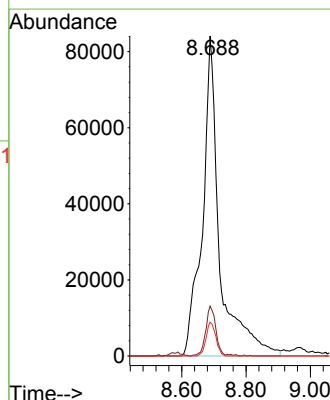
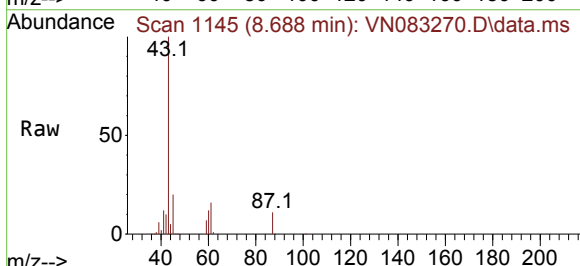
Tgt Ion: 43 Resp: 312995

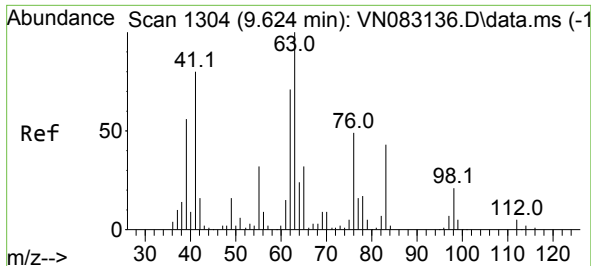
Ion Ratio Lower Upper

43 100

61 9.0 17.8 26.6#

87 5.9 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.908 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

Instrument :

MSVOA_N

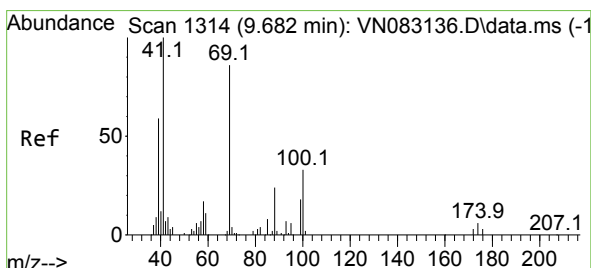
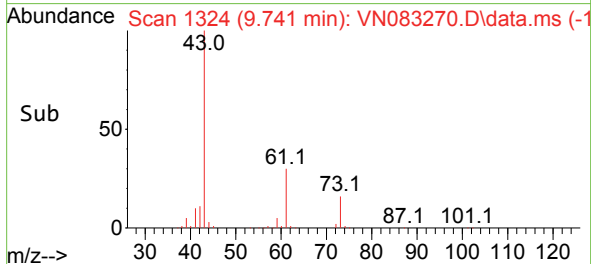
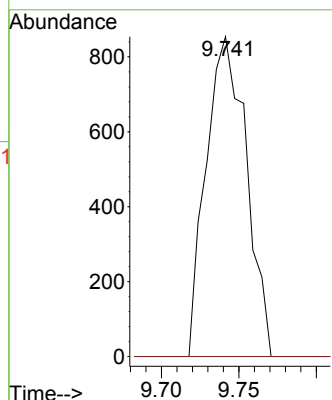
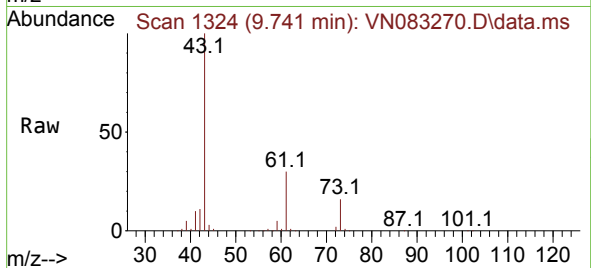
ClientSampleId :

Tgt Ion: 63 Resp: 1541

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 2.239 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

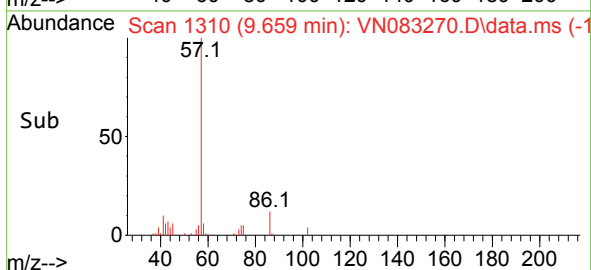
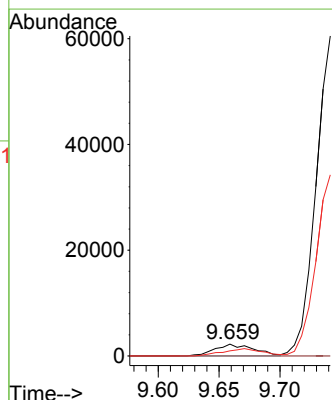
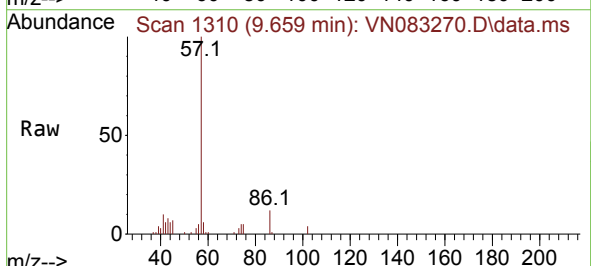
Tgt Ion: 41 Resp: 4976

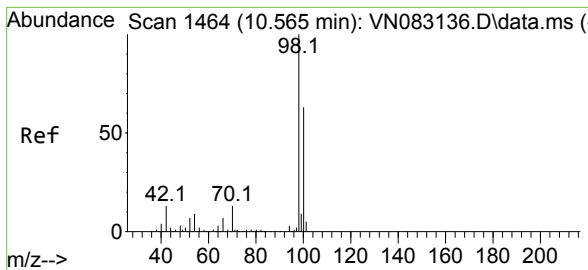
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 61.9 50.3 75.5

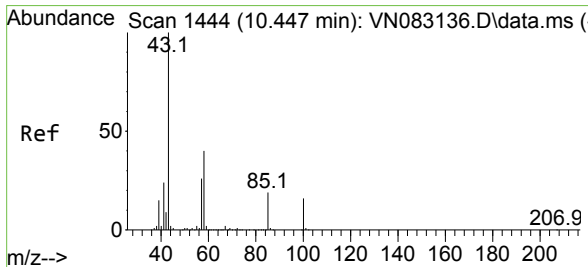
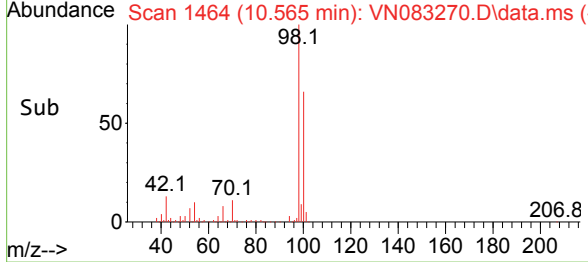
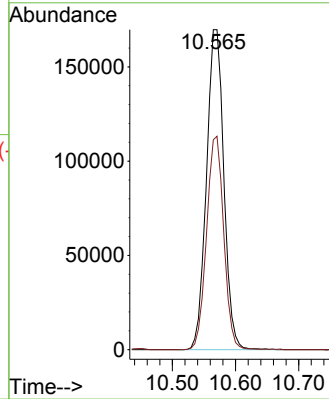
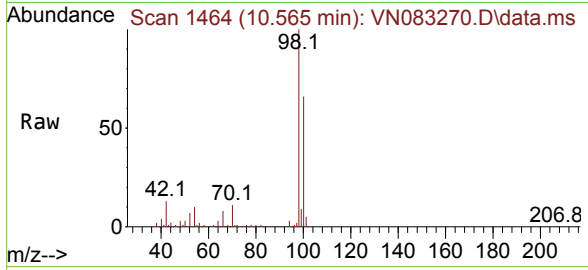




#50
Toluene-d8
Concen: 54.761 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

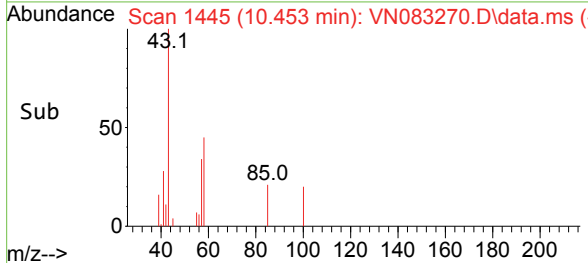
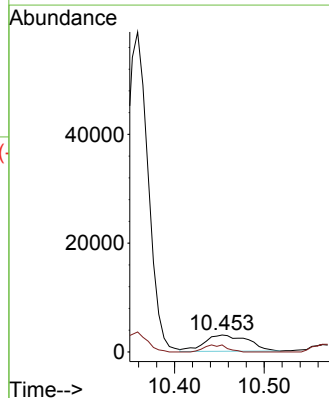
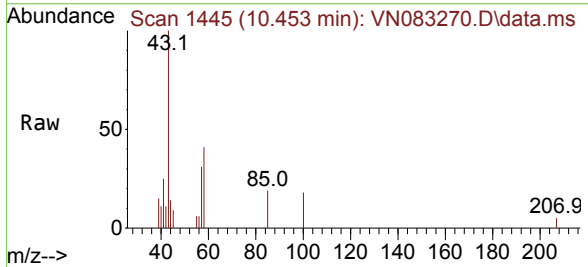
Instrument :
MSVOA_N
ClientSampleId :

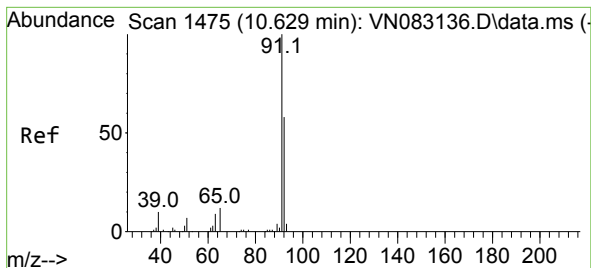
Tgt Ion: 98 Resp: 324217
Ion Ratio Lower Upper
98 100
100 65.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.996 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Tgt Ion: 43 Resp: 10158
Ion Ratio Lower Upper
43 100
58 22.8 28.2 42.4#





#52

Toluene

Concen: 0.442 ug/l

RT: 10.630 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

Instrument :

MSVOA_N

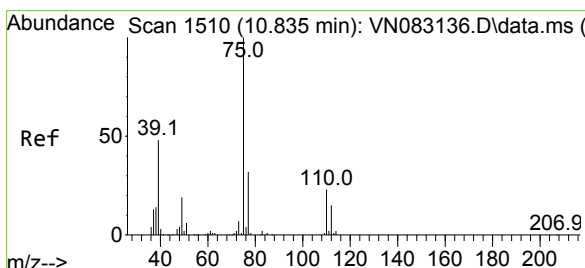
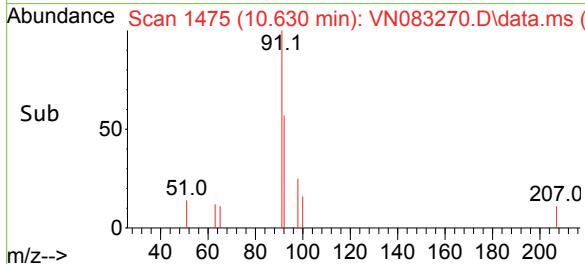
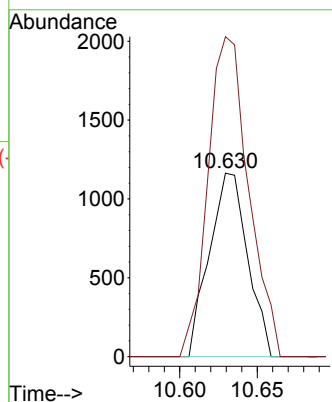
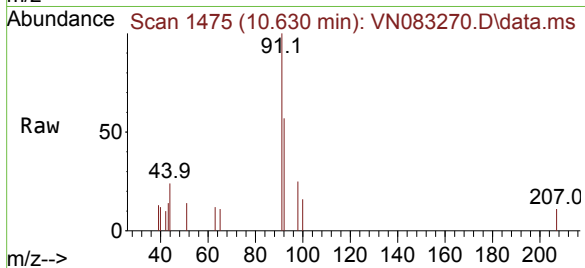
ClientSampleId :

Tgt Ion: 92 Resp: 1996

Ion Ratio Lower Upper

92 100

91 185.6 139.4 209.0



#53

t-1,3-Dichloropropene

Concen: 0.303 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.100 min

Lab File: VN083270.D

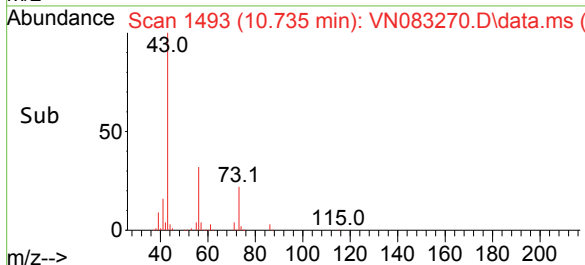
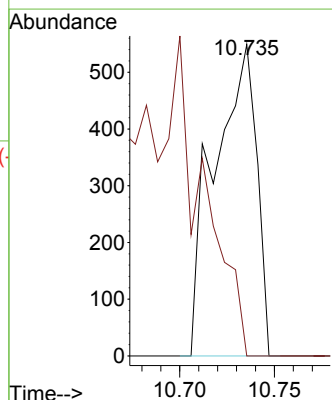
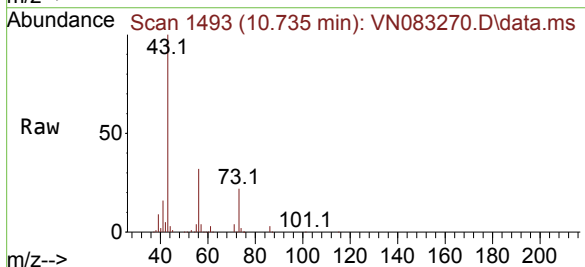
Acq: 13 Aug 2024 20:10

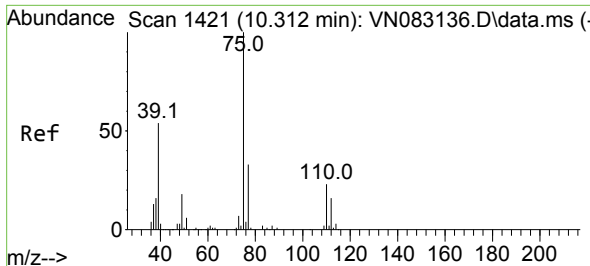
Tgt Ion: 75 Resp: 848

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

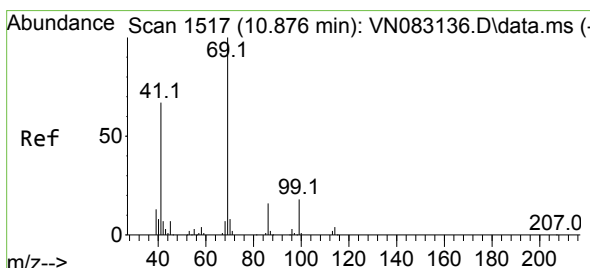
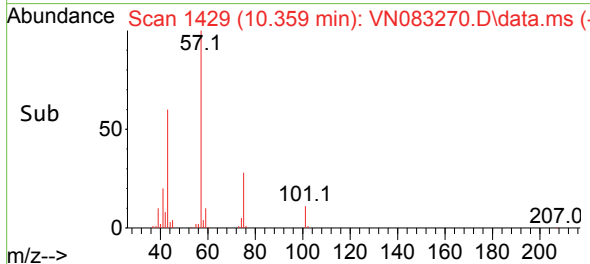
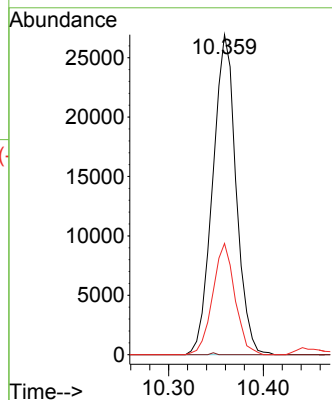
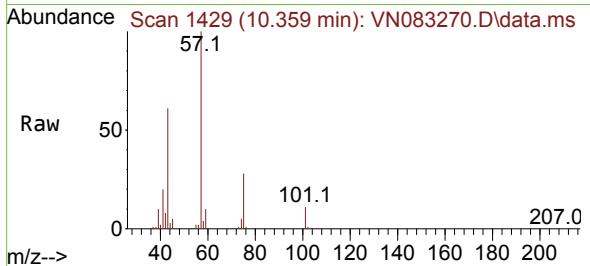




#54
 cis-1,3-Dichloropropene
 Concen: 15.466 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083270.D
 Acq: 13 Aug 2024 20:10

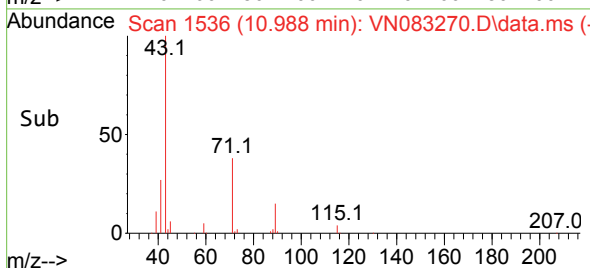
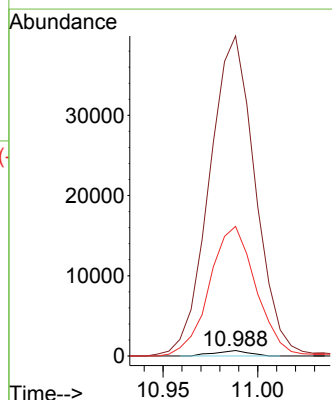
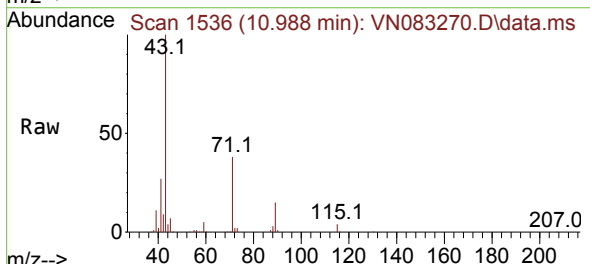
Instrument :
 MSVOA_N
 ClientSampleId :

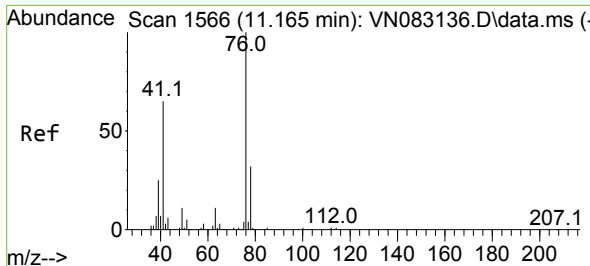
Tgt Ion: 75 Resp: 46108
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 34.8 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.275 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN083270.D
 Acq: 13 Aug 2024 20:10

Tgt Ion: 69 Resp: 840
 Ion Ratio Lower Upper
 69 100
 41 8046.0 63.4 95.2#
 39 3312.9 37.4 56.0#

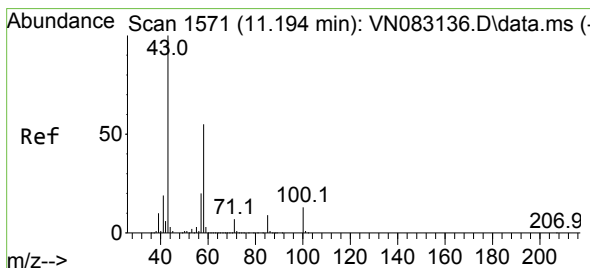
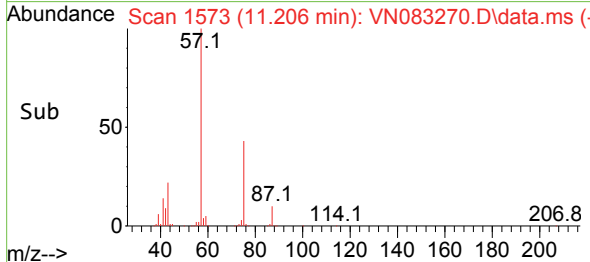
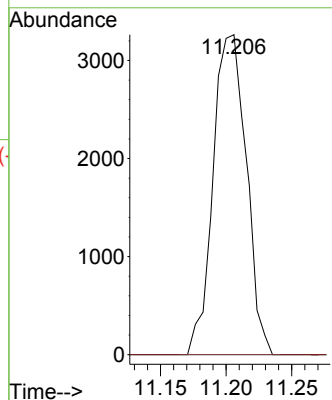
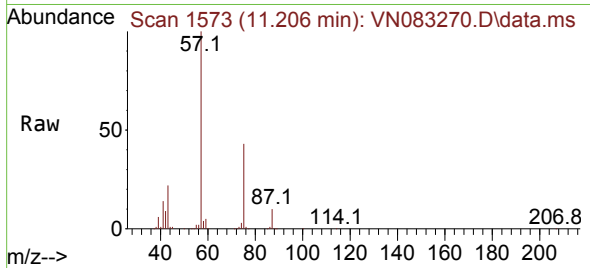




#57
1,3-Dichloropropane
Concen: 1.992 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

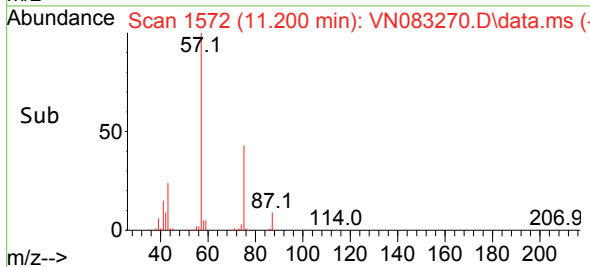
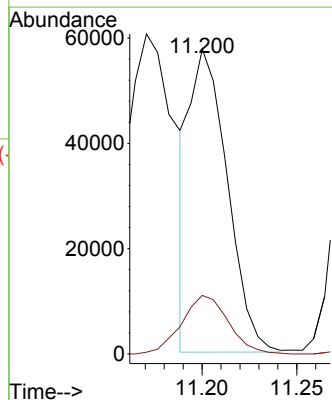
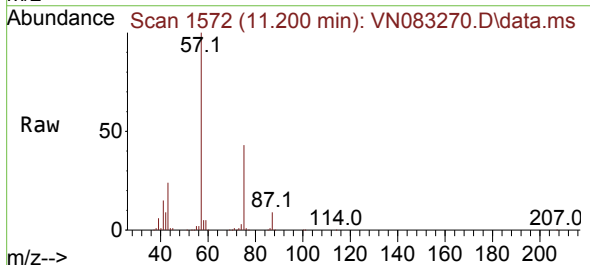
Instrument :
MSVOA_N
ClientSampleId :

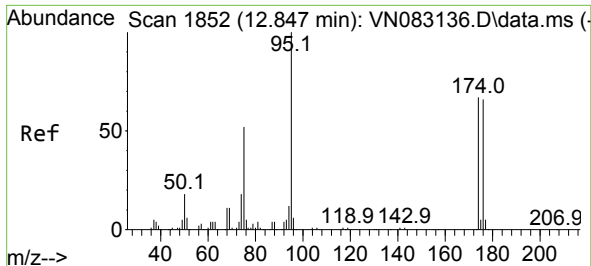
Tgt Ion: 76 Resp: 5751
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 40.743 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Tgt Ion: 43 Resp: 80129
Ion Ratio Lower Upper
43 100
58 23.8 24.6 73.8#

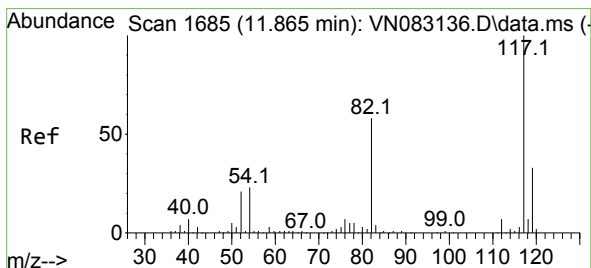
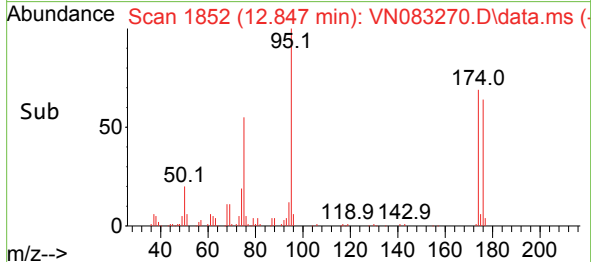
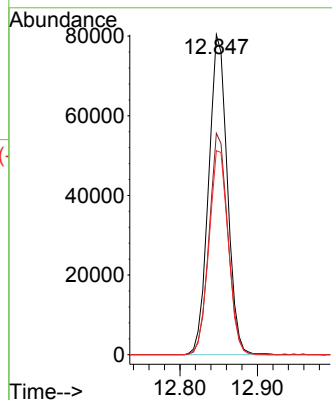
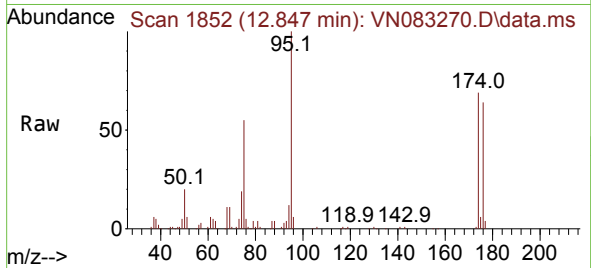




#62
4-Bromofluorobenzene
Concen: 58.244 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

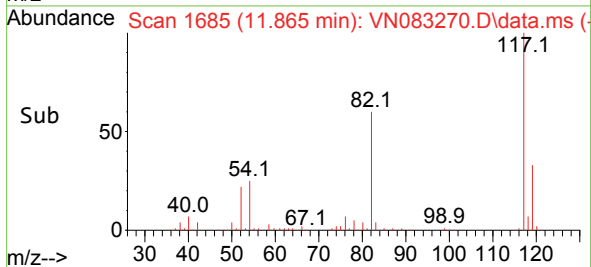
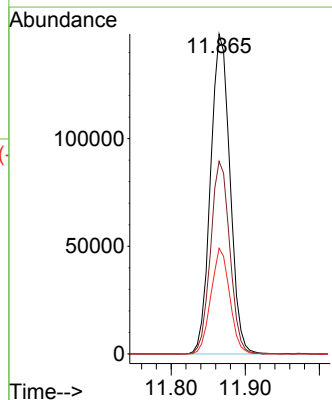
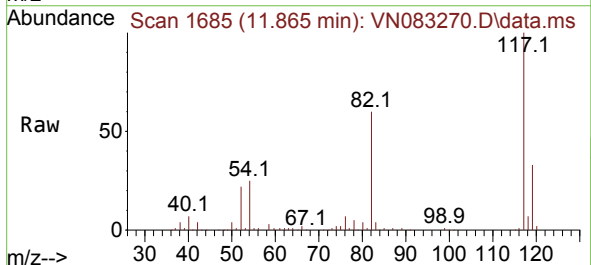
Instrument :
MSVOA_N
ClientSampleId :

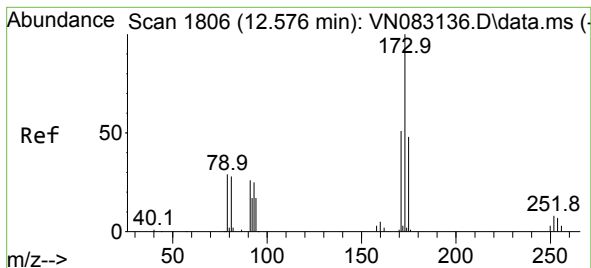
Tgt Ion: 95 Resp: 134439
Ion Ratio Lower Upper
95 100
174 69.5 0.0 159.2
176 66.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Tgt Ion: 117 Resp: 270476
Ion Ratio Lower Upper
117 100
82 60.2 47.5 71.3
119 33.1 25.6 38.4





#71

Bromoform

Concen: 0.274 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

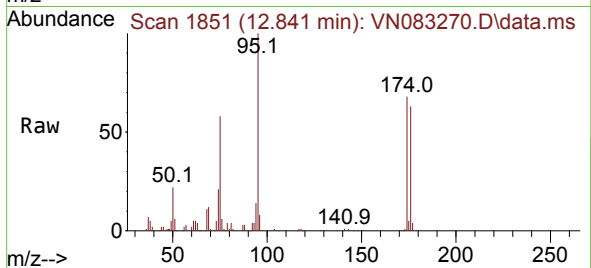
Lab File: VN083270.D

Acq: 13 Aug 2024 20:10

Instrument :

MSVOA_N

ClientSampleId :



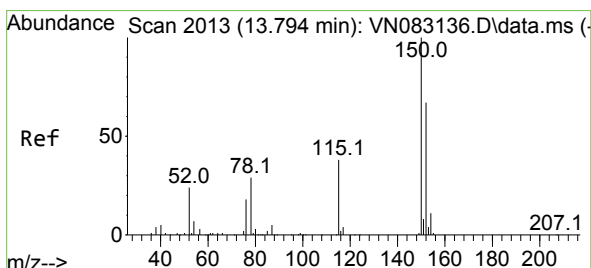
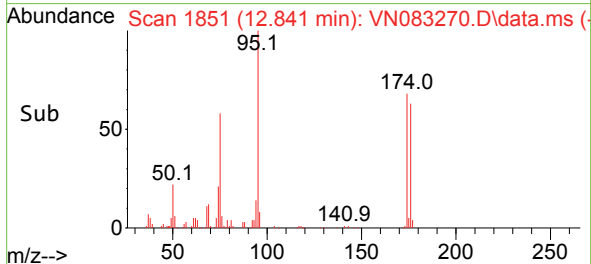
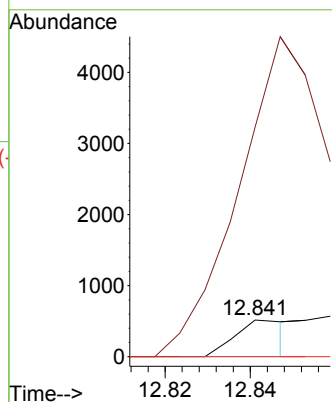
Tgt Ion:173 Resp: 438

Ion Ratio Lower Upper

173 100

175 1197.3 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: VN083270.D

Acq: 13 Aug 2024 20:10

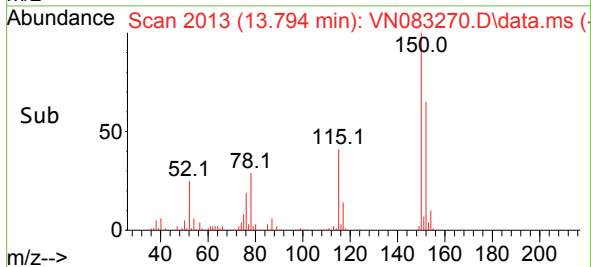
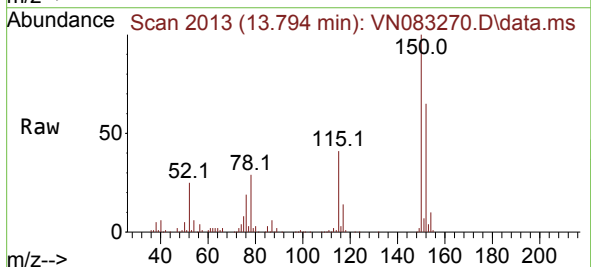
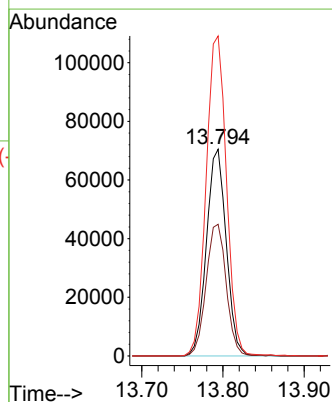
Tgt Ion:152 Resp: 119067

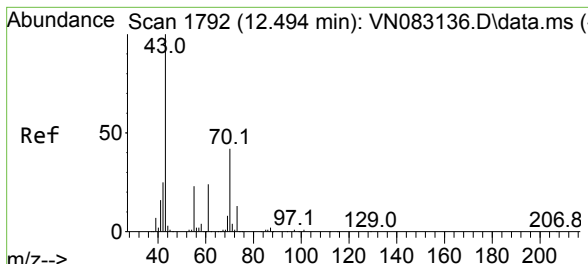
Ion Ratio Lower Upper

152 100

115 64.7 30.6 91.6

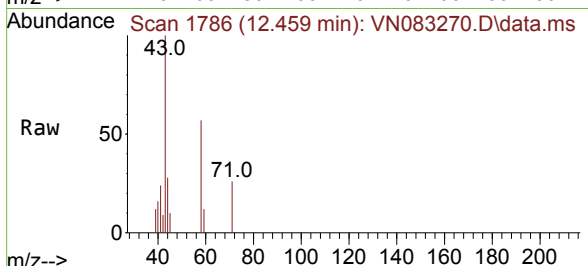
150 158.9 0.0 348.6



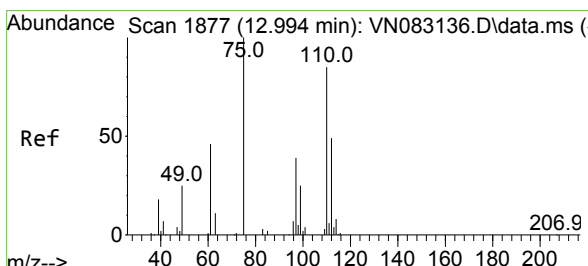
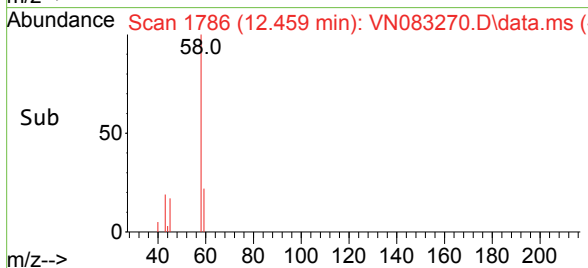
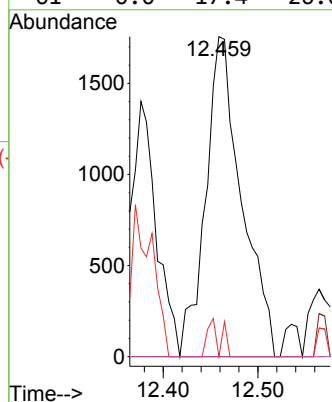


#74
N-amy1 acetate
Concen: 0.952 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

Instrument :
MSVOA_N
ClientSampleId :

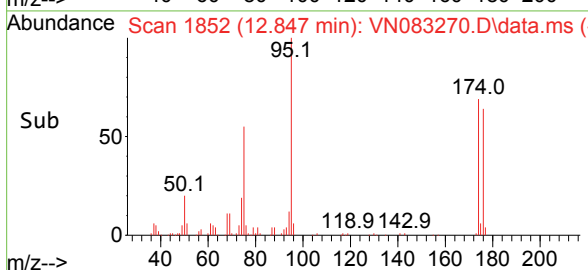
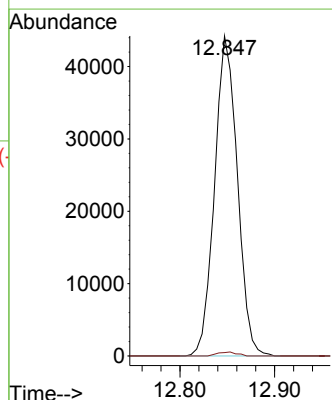
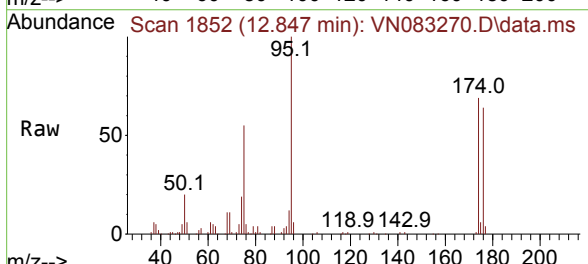


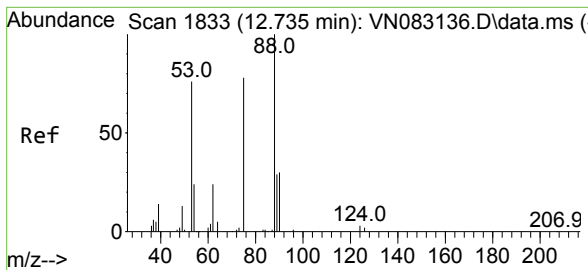
Tgt Ion: 43 Resp: 4636
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 4.2 18.7 28.1#
61 0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 28.275 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

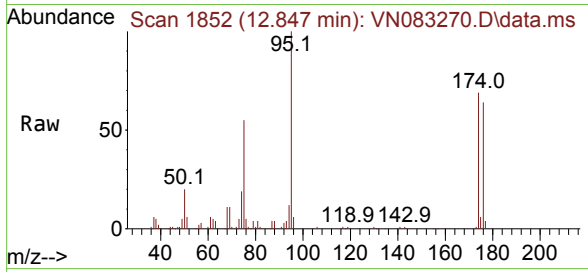
Tgt Ion: 75 Resp: 73889
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.505 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083270.D
Acq: 13 Aug 2024 20:10

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#

