

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083358.D
 Acq On : 16 Aug 2024 16:52
 Operator : JC\MD
 Sample : PB162767ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB162767ZHE#02

Quant Time: Aug 17 01:51:16 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)

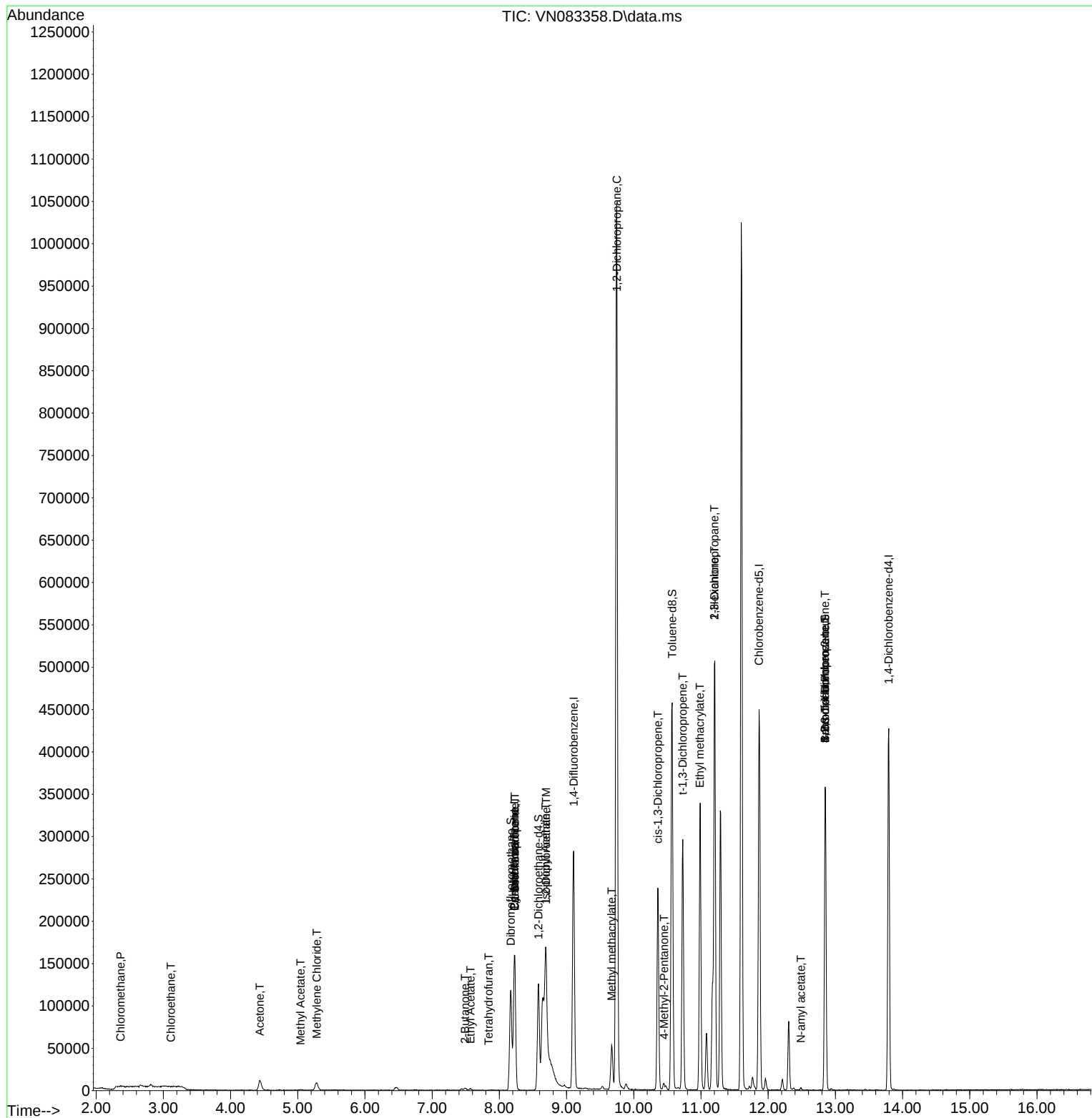
Internal Standards						
1) Pentafluorobenzene	8.224	168	113173	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	230949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	104208	64.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 129.380%#		
35) Dibromofluoromethane	8.171	113	83954	58.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 116.480%		
50) Toluene-d8	10.571	98	317057	58.962	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 117.920%#		
62) 4-Bromofluorobenzene	12.847	95	128105	61.108	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 122.220%#		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	368	0.280	ug/l	# 43
6) Chloroethane	3.112	64	244	0.291	ug/l	# 41
16) Acetone	4.436	43	23459	37.217	ug/l	98
18) Methyl Acetate	5.042	43	1853	0.987	ug/l	# 64
20) Methylene Chloride	5.283	84	6782	4.675	ug/l	# 82
25) 2-Butanone	7.488	43	4250	4.391	ug/l	# 90
29) Tetrahydrofuran	7.841	42	132	0.211	ug/l	# 38
31) Cyclohexane	8.224	56	2671	1.119	ug/l	# 21
36) 1,1-Dichloropropene	8.230	75	10559	4.842	ug/l	# 45
37) Ethyl Acetate	7.571	43	3200	1.311	ug/l	# 80
38) Carbon Tetrachloride	8.230	117	13216	5.381	ug/l	# 15
42) 1,2-Dichloroethane	8.694	62	859	0.363	ug/l	# 78
43) Isopropyl Acetate	8.688	43	265811	63.840	ug/l	# 80
45) 1,2-Dichloropropane	9.747	63	1109	0.719	ug/l	# 44
48) Methyl methacrylate	9.671	41	3519	1.743	ug/l	# 48
51) 4-Methyl-2-Pentanone	10.453	43	4898	2.121	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	576	0.226	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	43026	15.890	ug/l	# 59
56) Ethyl methacrylate	10.982	69	1034	0.373	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	5125	1.955	ug/l	# 43
59) 2-Hexanone	11.200	43	73630	41.221	ug/l	# 57
71) Bromoform	12.847	173	389	0.258	ug/l	# 1
74) N-amyl acetate	12.488	43	1490	0.324	ug/l	# 46
76) 1,2,3-Trichloropropane	12.847	75	72476	29.360	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	72476	63.866	ug/l	# 6

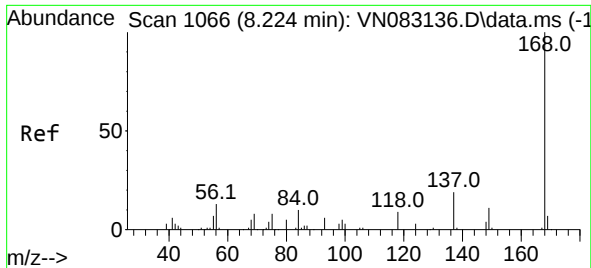
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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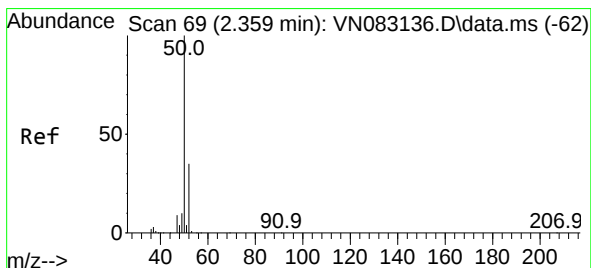
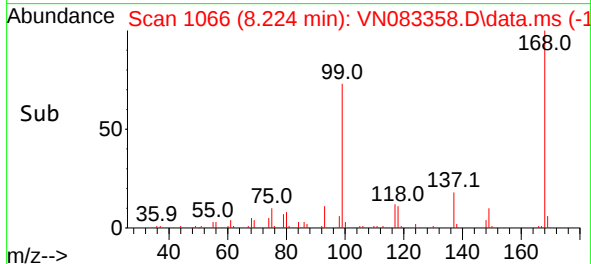
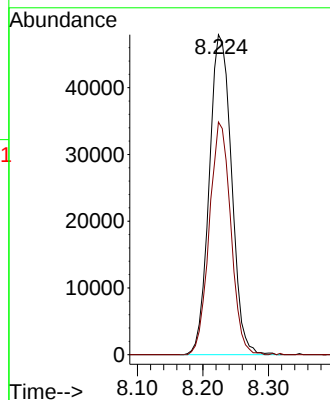
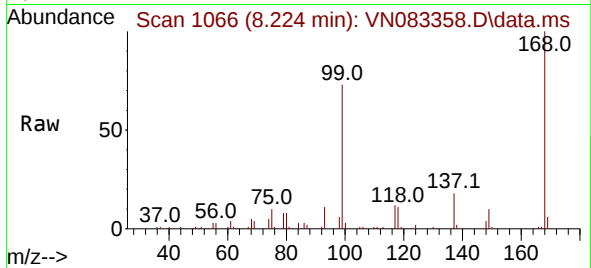




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

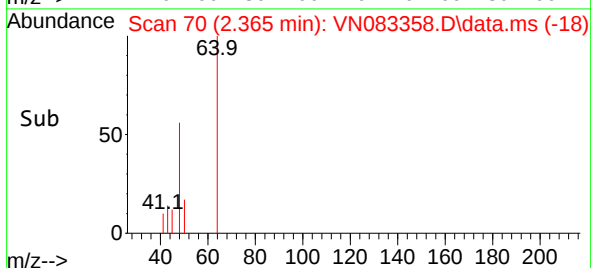
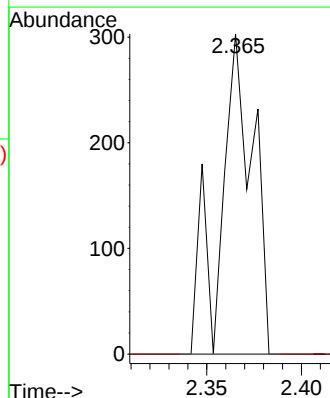
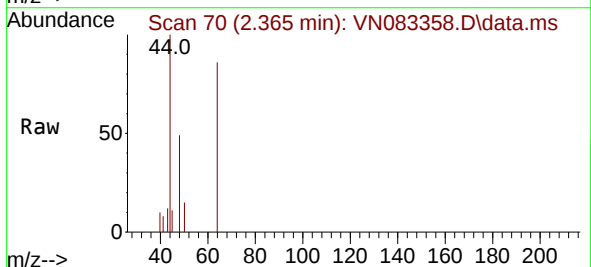
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

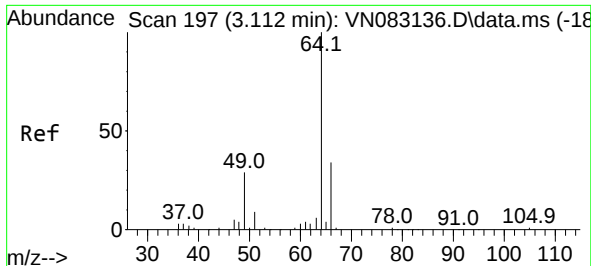
Tgt Ion:168 Resp: 113173
Ion Ratio Lower Upper
168 100
99 72.7 48.2 72.4#



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

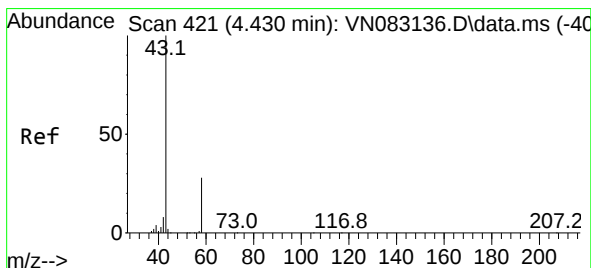
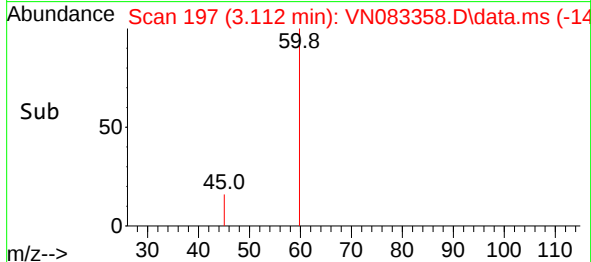
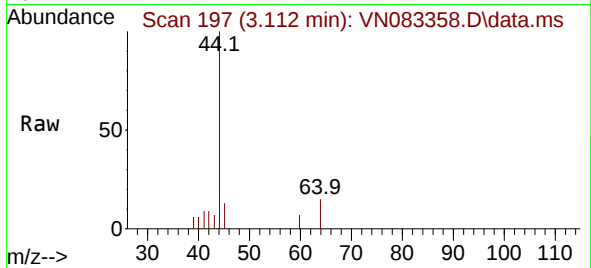




#6
Chloroethane
Concen: 0.291 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.000 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

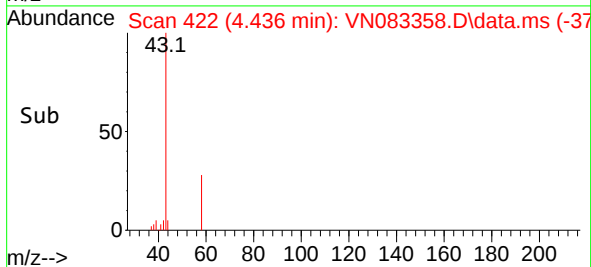
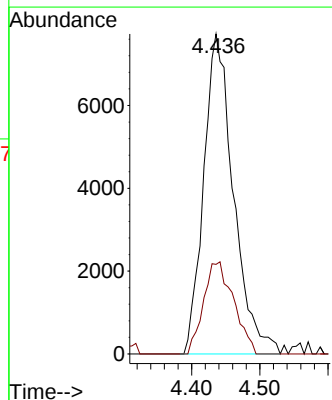
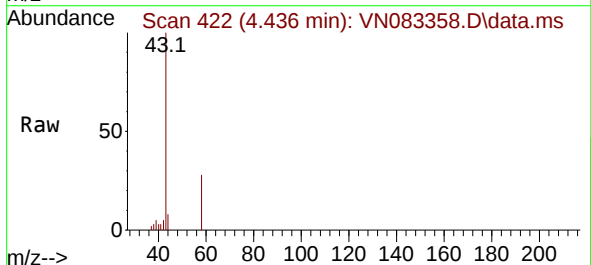
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

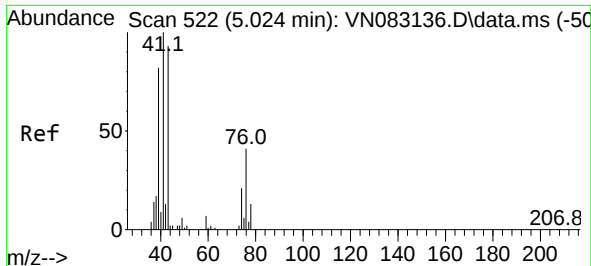
Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#16
Acetone
Concen: 37.217 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

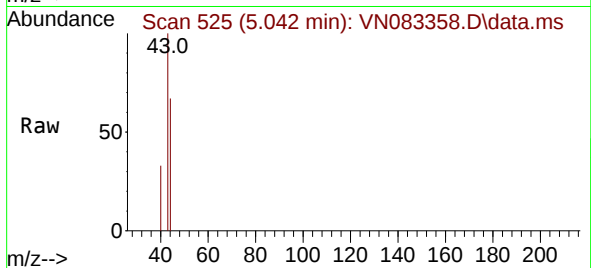
Tgt Ion: 43 Resp: 23459
Ion Ratio Lower Upper
43 100
58 28.0 21.8 32.6



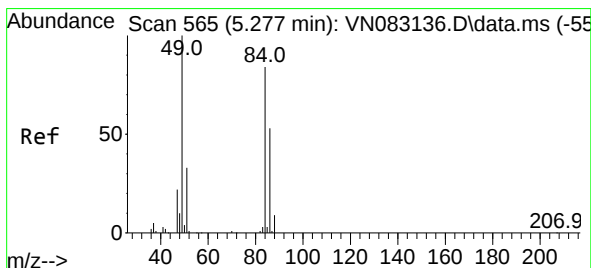
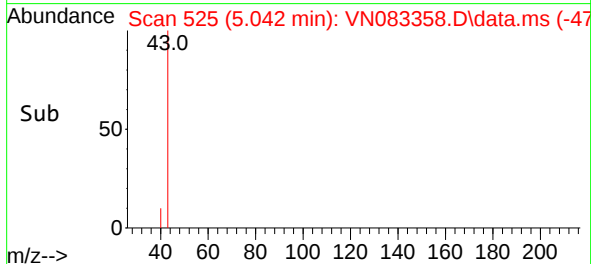
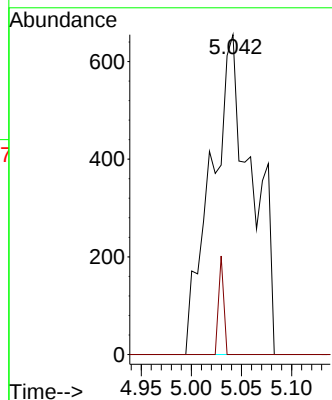


#18
Methyl Acetate
Concen: 0.987 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

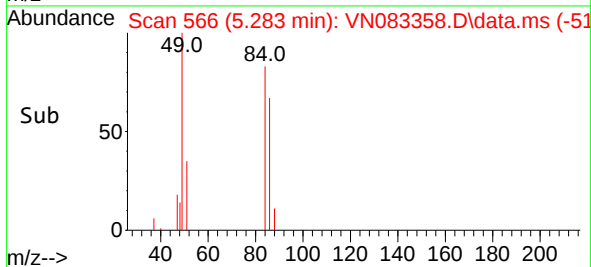
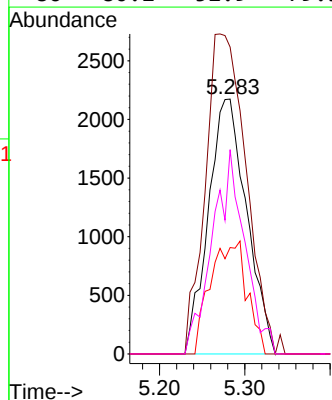
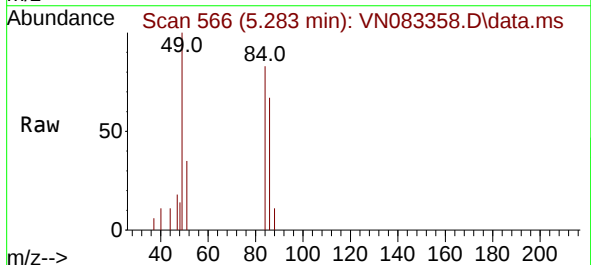


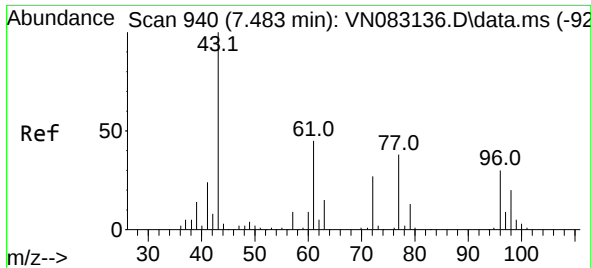
Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
74 3.8 16.3 24.5#



#20
Methylene Chloride
Concen: 4.675 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 84 Resp: 6782
Ion Ratio Lower Upper
84 100
49 120.4 119.6 179.4
51 41.7 34.8 52.2
86 80.2 52.9 79.3#

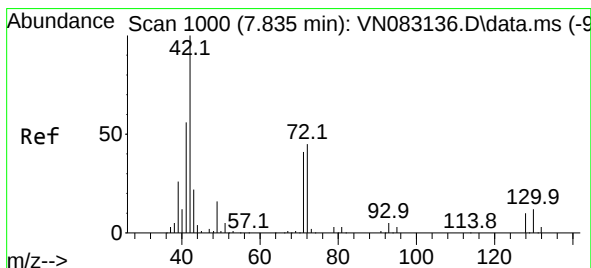
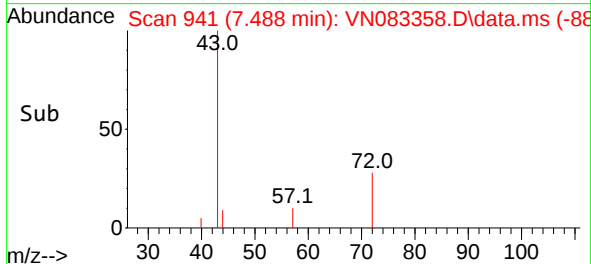
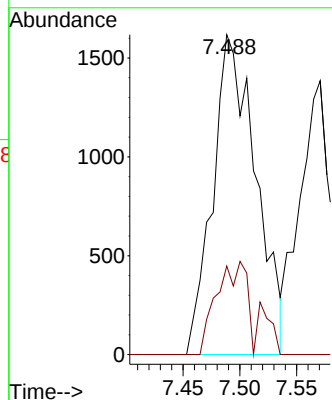
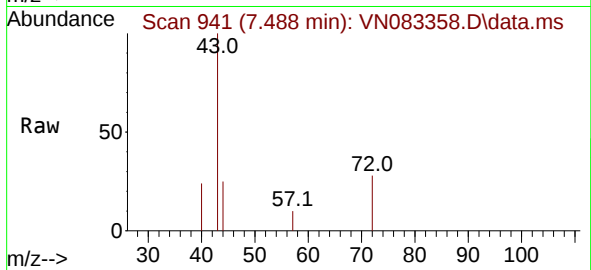




#25
2-Butanone
Concen: 4.391 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

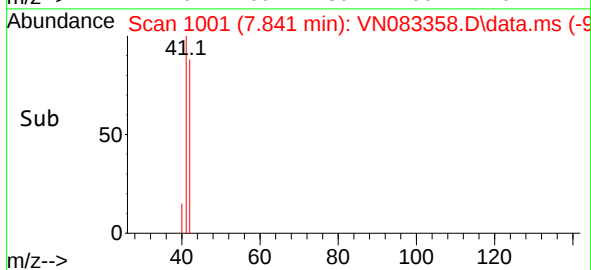
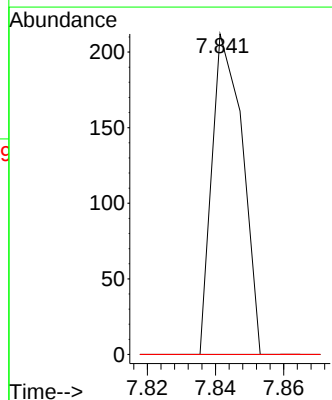
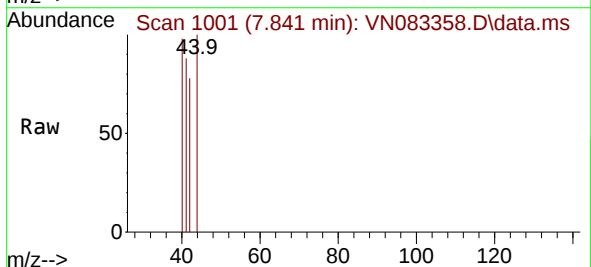
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

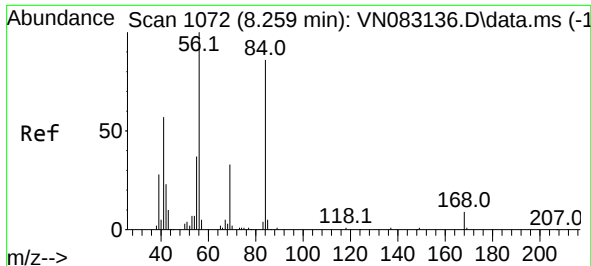
Tgt Ion: 43 Resp: 4250
Ion Ratio Lower Upper
43 100
72 27.7 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.211 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 42 Resp: 132
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#

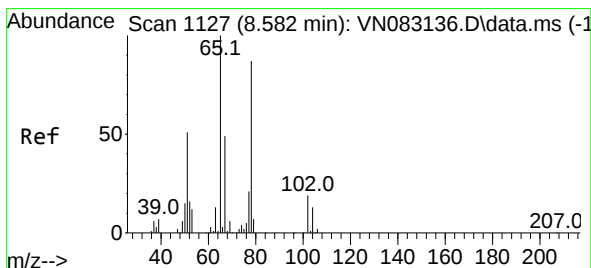
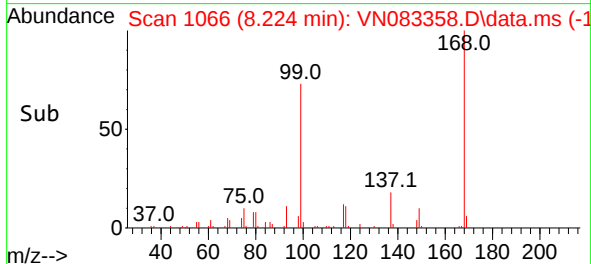
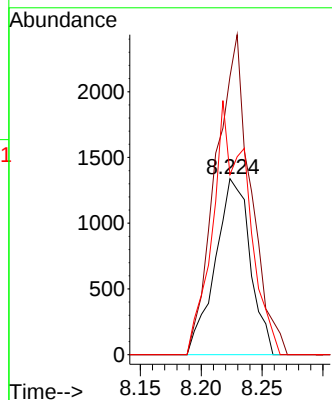
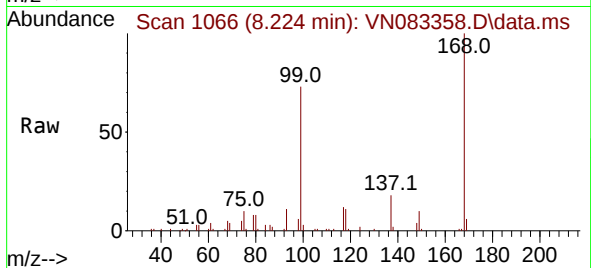




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

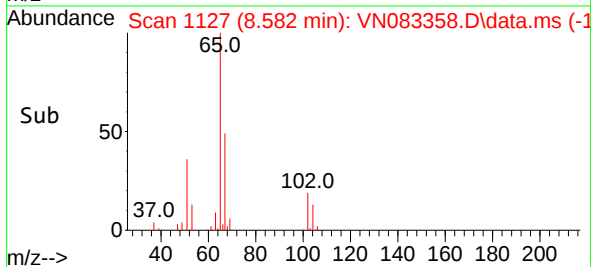
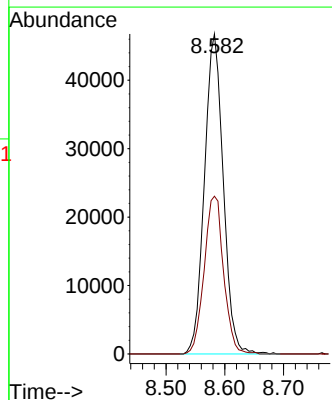
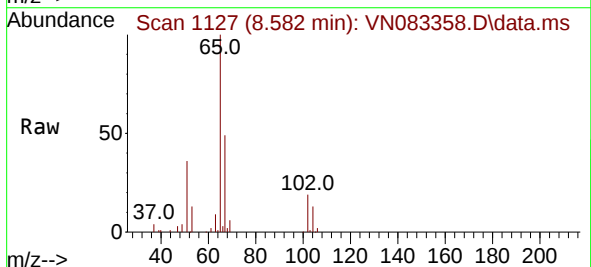
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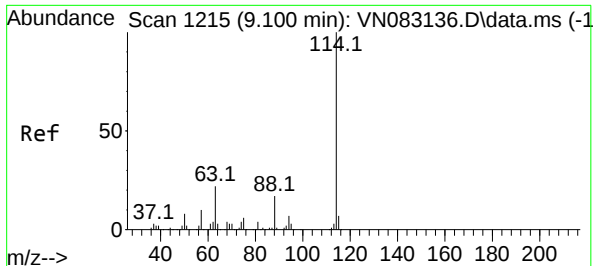
Tgt Ion: 56 Resp: 2671
Ion Ratio Lower Upper
56 100
69 158.0 24.5 36.7#
84 102.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 64.690 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 65 Resp: 104208
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4

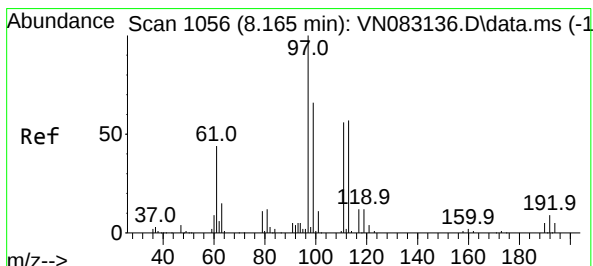
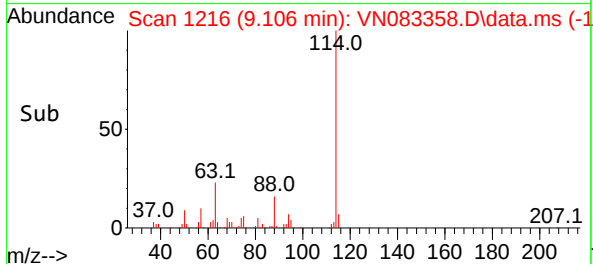
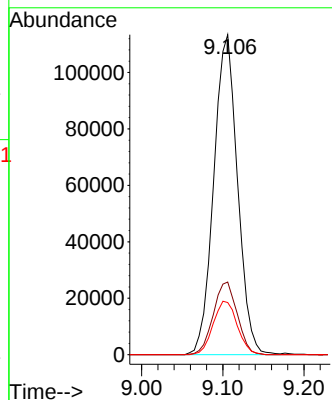
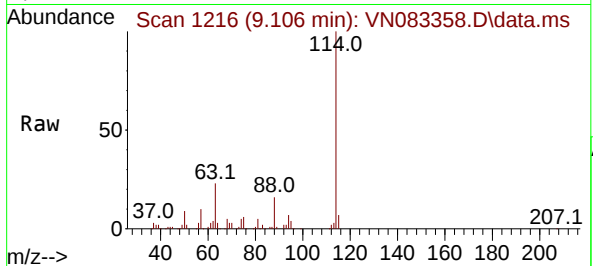




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

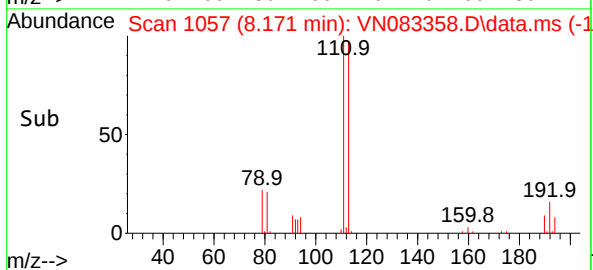
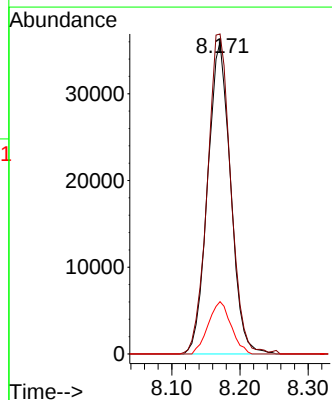
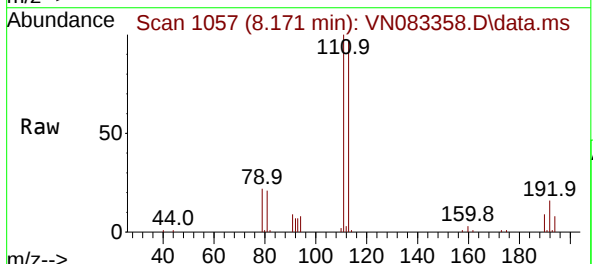
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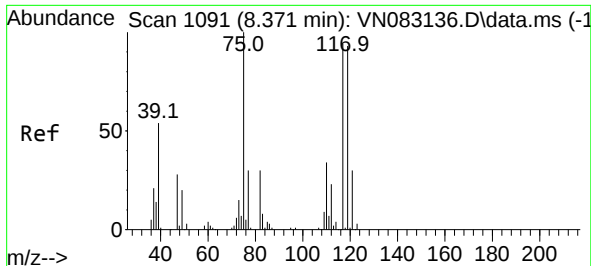
Tgt Ion:114 Resp: 230949
Ion Ratio Lower Upper
114 100
63 22.7 0.0 44.6
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 58.239 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion:113 Resp: 83954
Ion Ratio Lower Upper
113 100
111 105.1 82.4 123.6
192 16.7 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.842 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083358.D

Acq: 16 Aug 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB162767ZHE#02

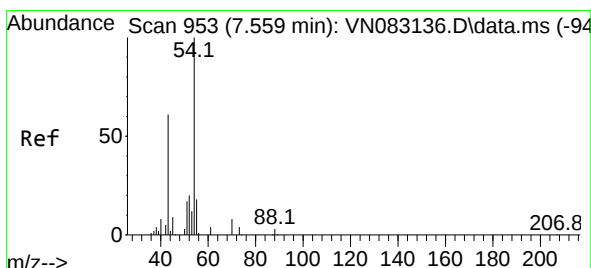
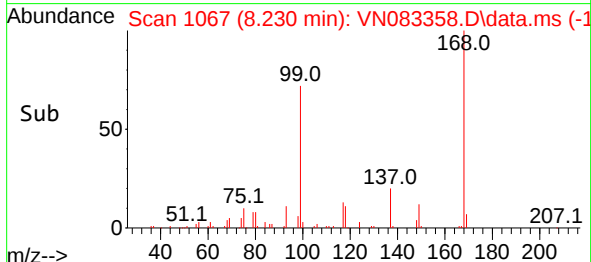
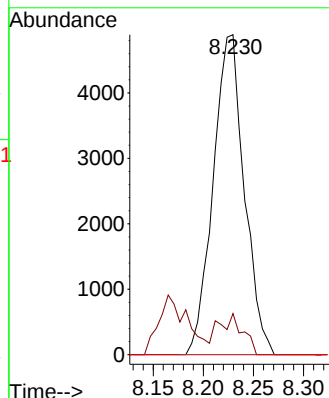
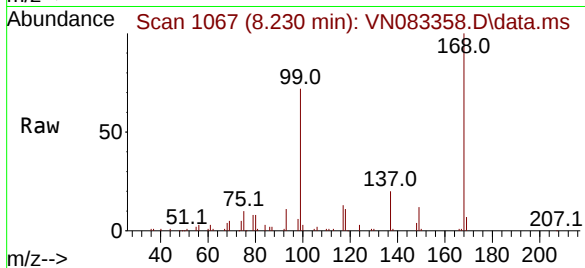
Tgt Ion: 75 Resp: 10559

Ion Ratio Lower Upper

75 100

110 2.8 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.311 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN083358.D

Acq: 16 Aug 2024 16:52

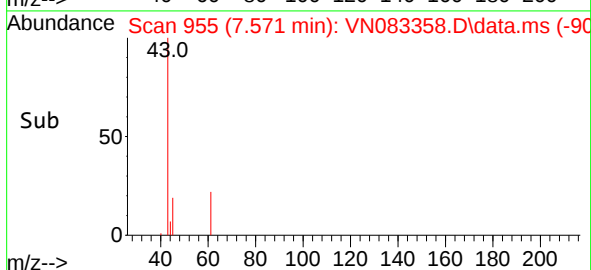
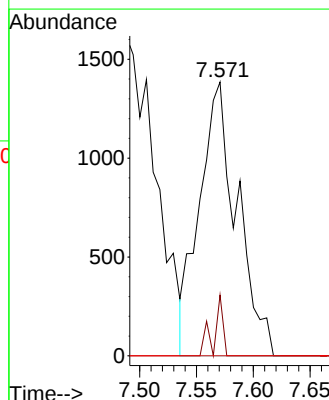
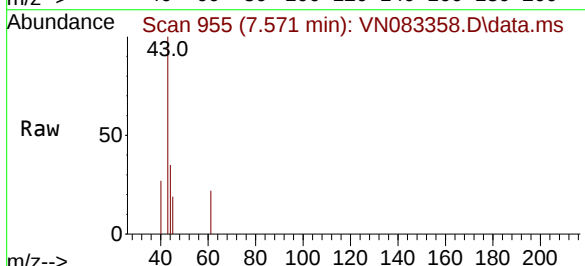
Tgt Ion: 43 Resp: 3200

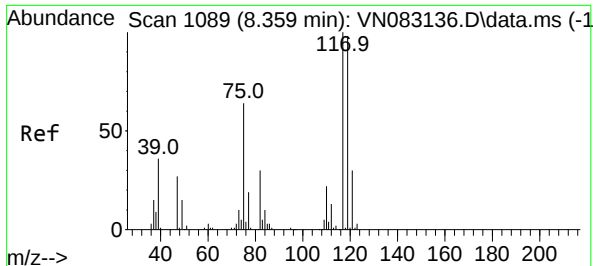
Ion Ratio Lower Upper

43 100

61 5.3 9.3 13.9#

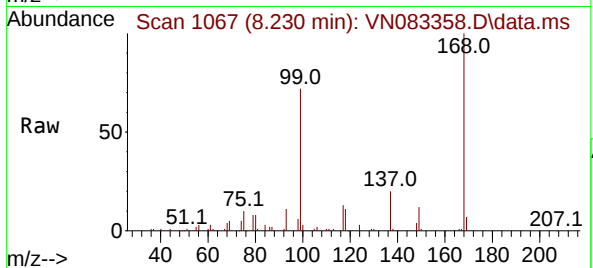
70 0.0 7.0 10.6#



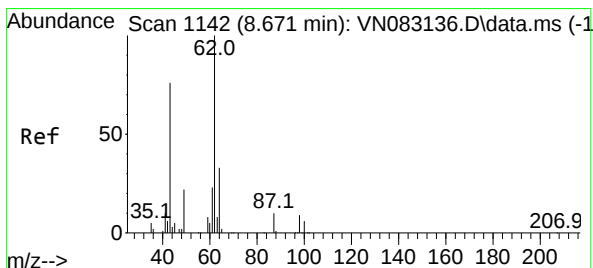
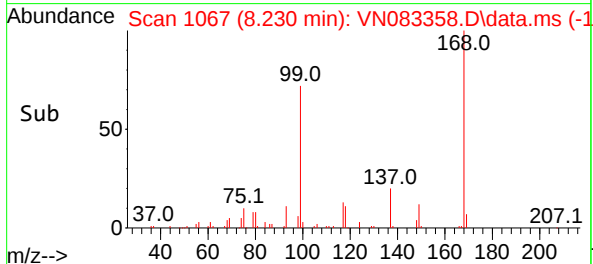
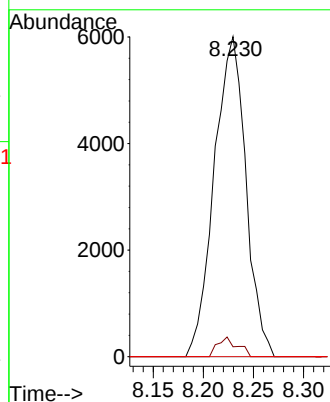


#38
Carbon Tetrachloride
Concen: 5.381 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

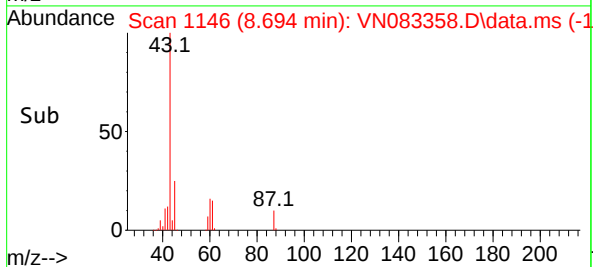
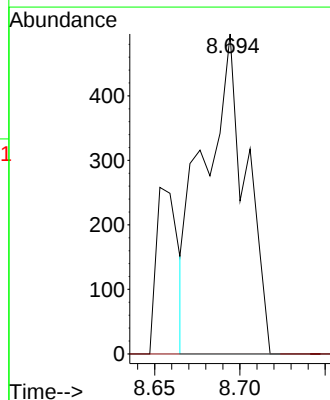
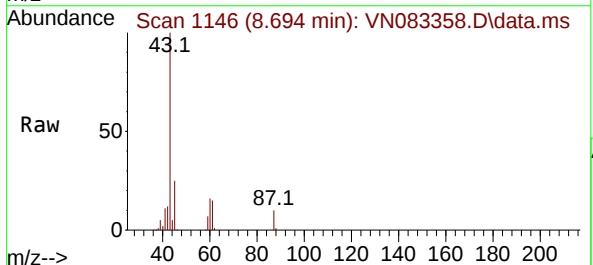


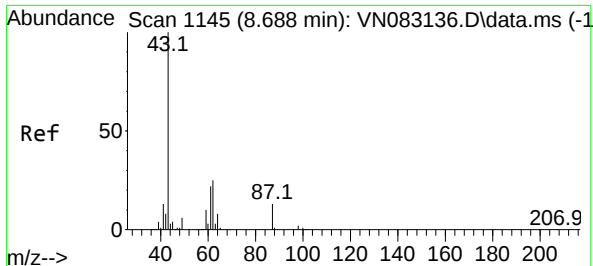
Tgt Ion:117 Resp: 13216
Ion Ratio Lower Upper
117 100
119 3.1 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.363 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 62 Resp: 859
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8

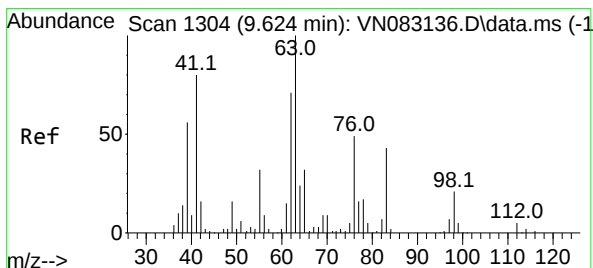
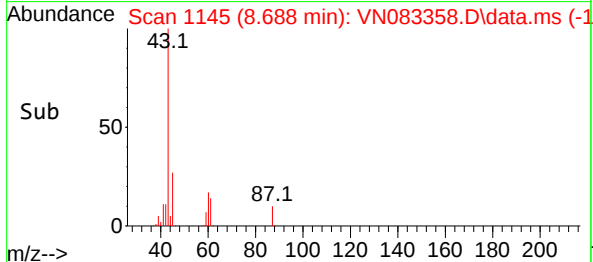
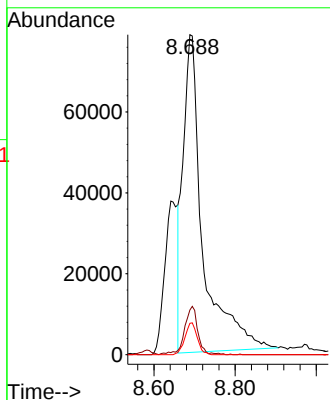
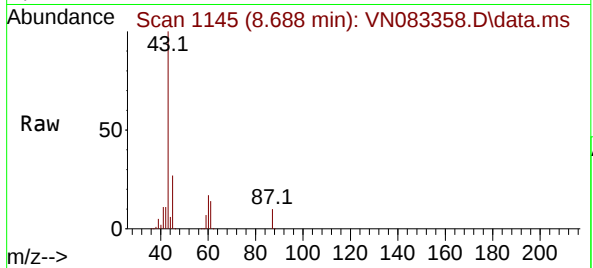




#43
Isopropyl Acetate
Concen: 63.840 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

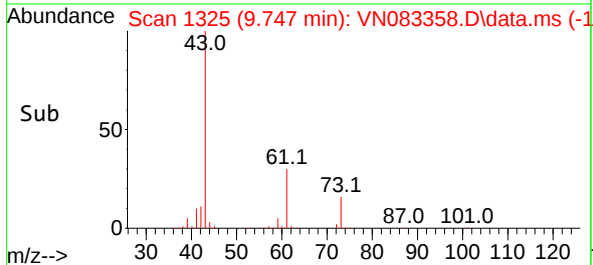
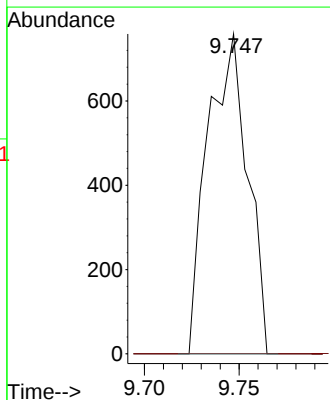
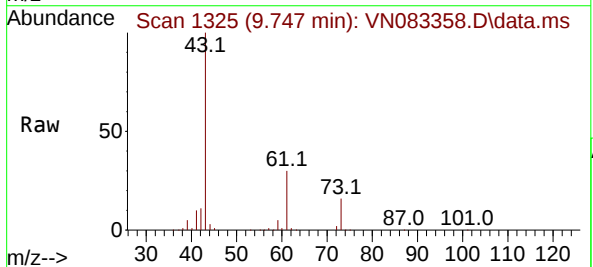
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

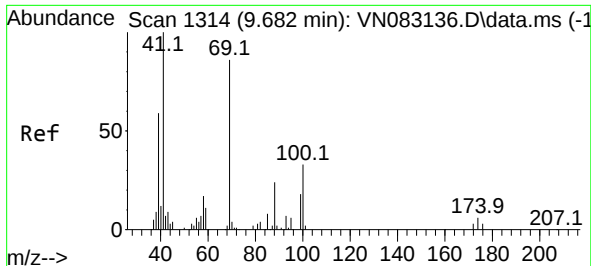
Tgt Ion: 43 Resp: 265811
Ion Ratio Lower Upper
43 100
61 10.3 17.8 26.6#
87 6.2 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.719 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 63 Resp: 1109
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 1.743 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN083358.D

Acq: 16 Aug 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB162767ZHE#02

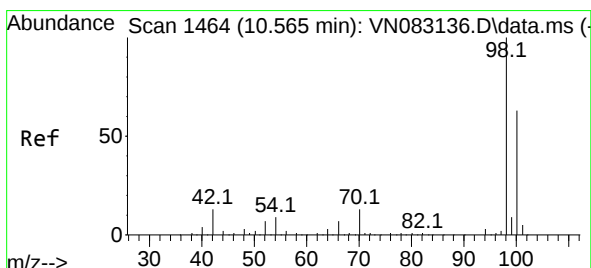
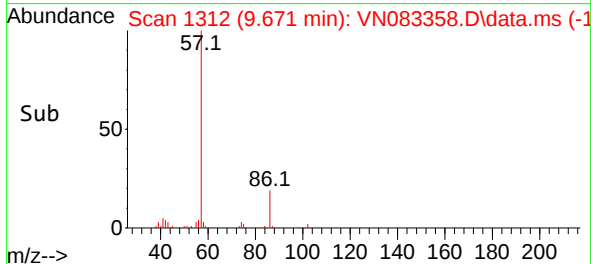
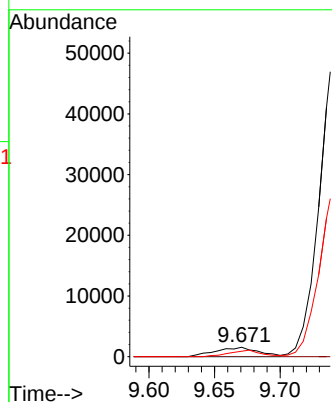
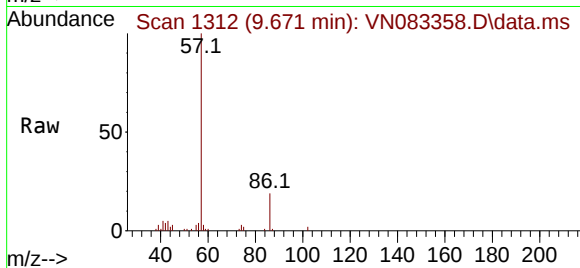
Tgt Ion: 41 Resp: 3519

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 51.3 50.3 75.5



#50

Toluene-d8

Concen: 58.962 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN083358.D

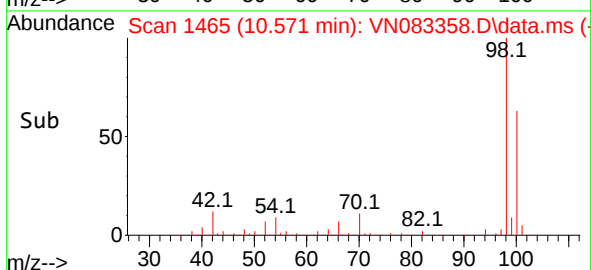
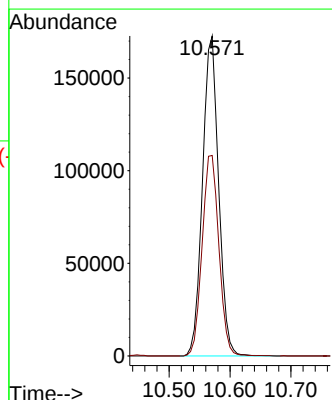
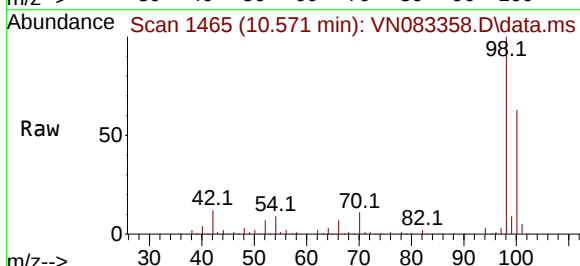
Acq: 16 Aug 2024 16:52

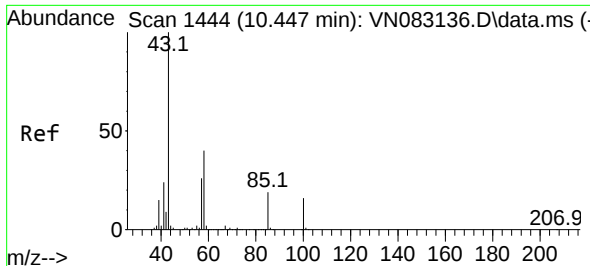
Tgt Ion: 98 Resp: 317057

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3

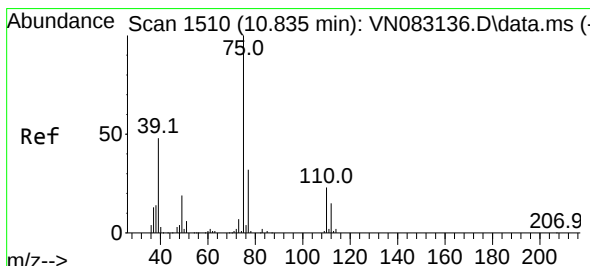
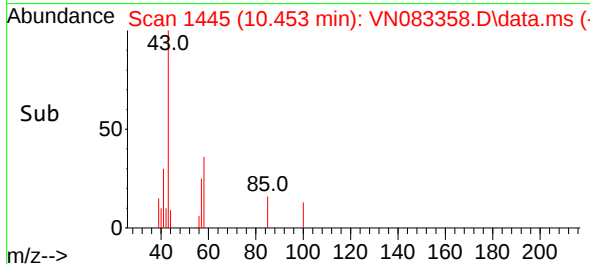
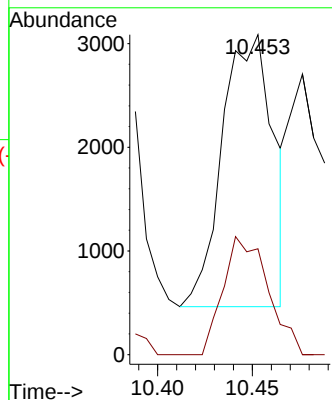
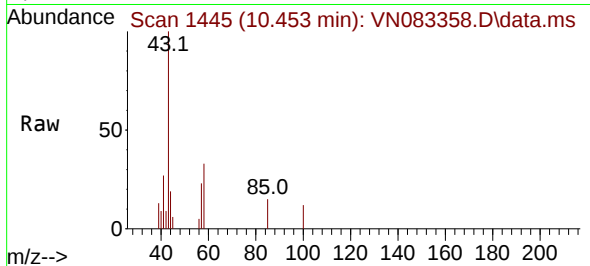




#51
4-Methyl-2-Pentanone
Concen: 2.121 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

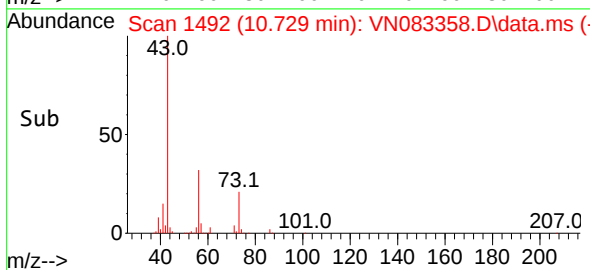
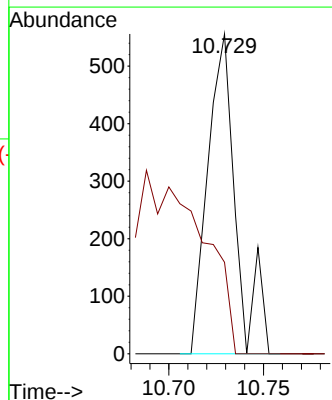
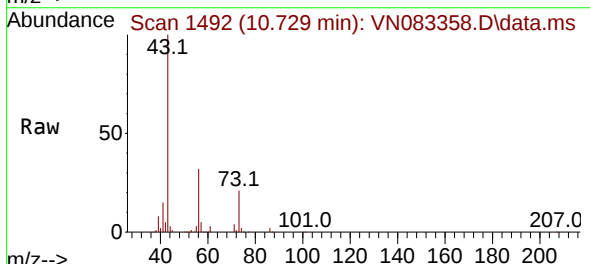
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

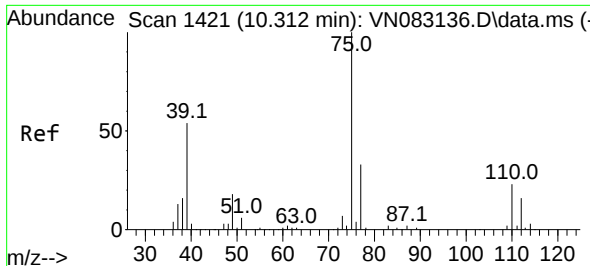
Tgt Ion: 43 Resp: 4898
Ion Ratio Lower Upper
43 100
58 38.3 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.226 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 75 Resp: 576
Ion Ratio Lower Upper
75 100
77 28.6 25.7 38.5

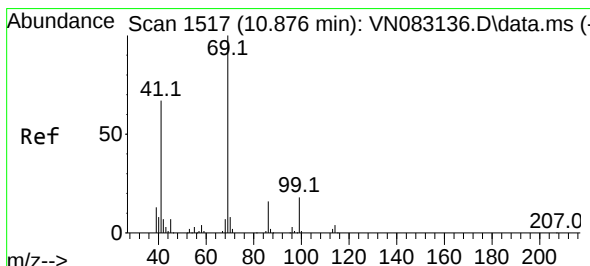
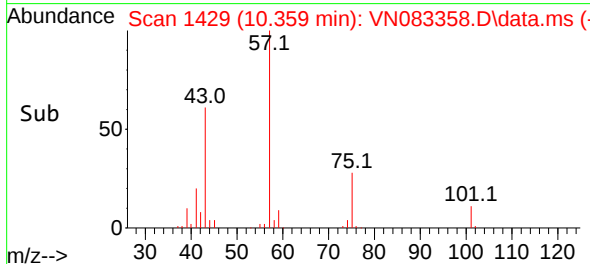
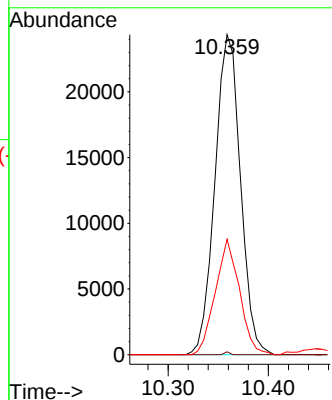
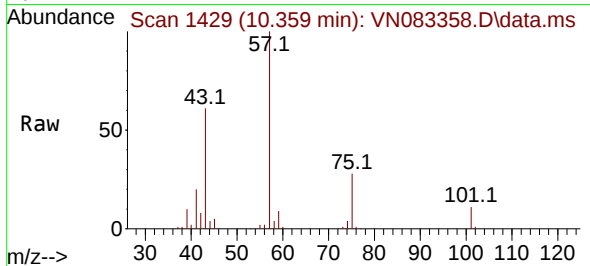




#54
cis-1,3-Dichloropropene
Concen: 15.890 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

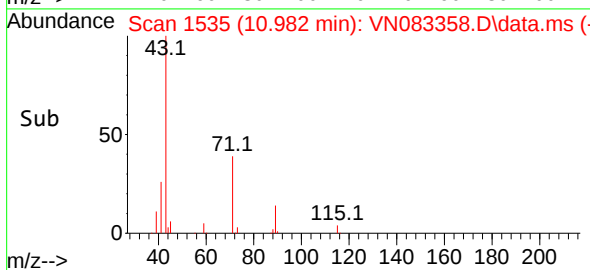
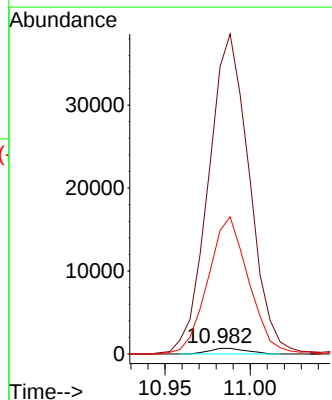
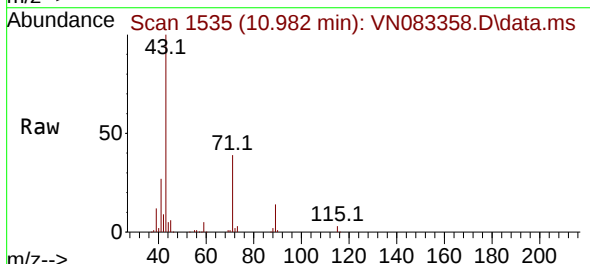
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

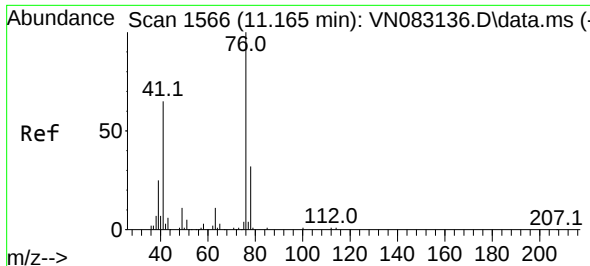
Tgt Ion: 75 Resp: 43026
Ion Ratio Lower Upper
75 100
77 0.9 24.3 36.5#
39 36.0 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.373 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 69 Resp: 1034
Ion Ratio Lower Upper
69 100
41 6245.7 63.4 95.2#
39 2669.3 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.955 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN083358.D

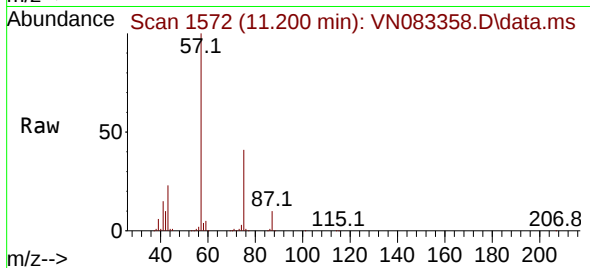
Acq: 16 Aug 2024 16:52

Instrument :

MSVOA_N

ClientSampleId :

PB162767ZHE#02

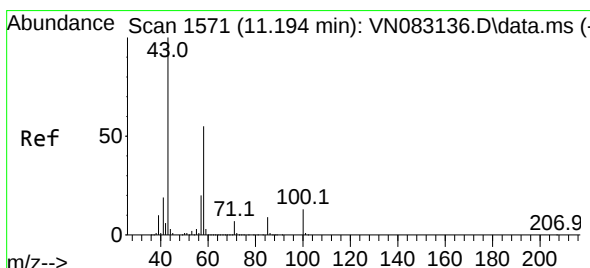
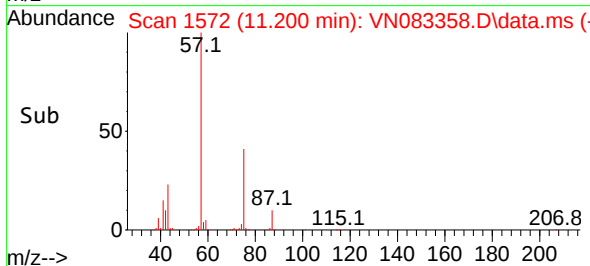
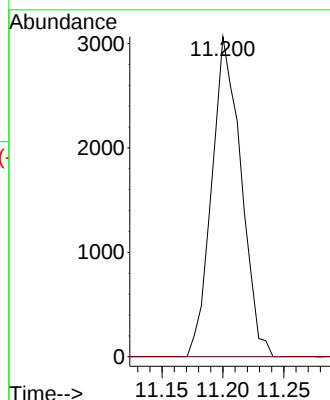


Tgt Ion: 76 Resp: 5125

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.221 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083358.D

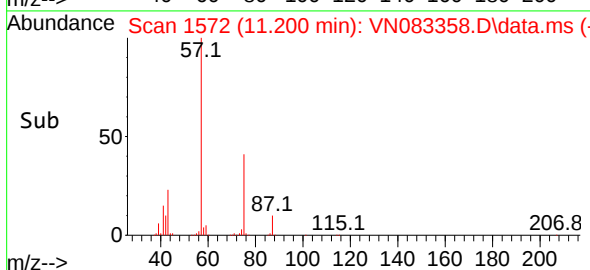
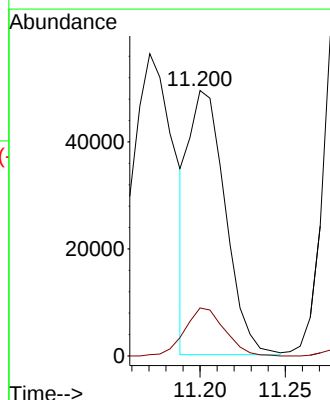
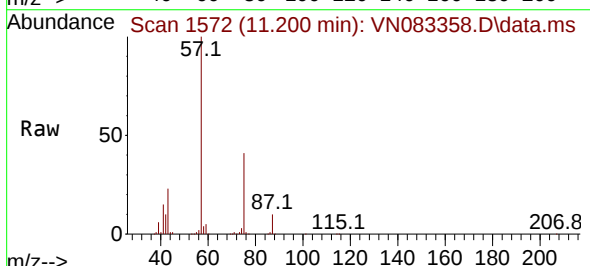
Acq: 16 Aug 2024 16:52

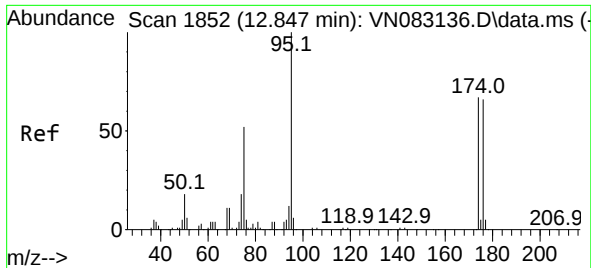
Tgt Ion: 43 Resp: 73630

Ion Ratio Lower Upper

43 100

58 19.9 24.6 73.8#

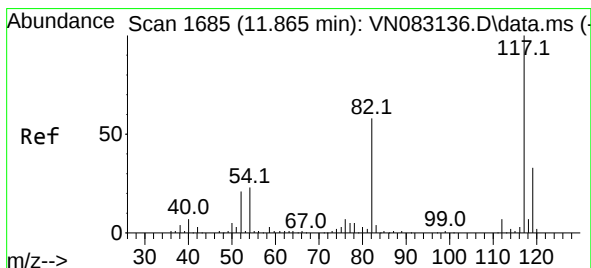
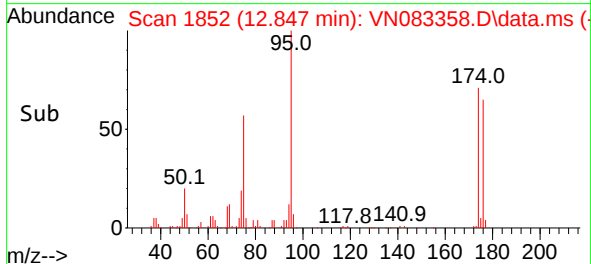
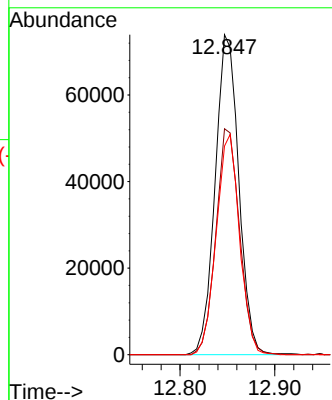
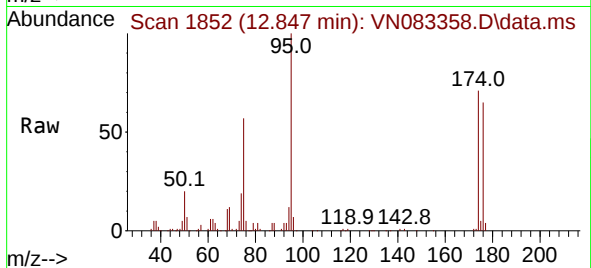




#62
4-Bromofluorobenzene
Concen: 61.108 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

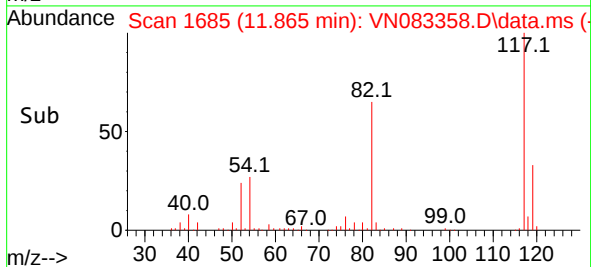
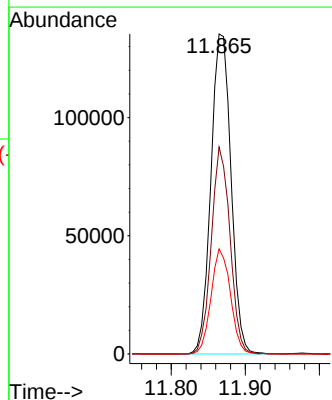
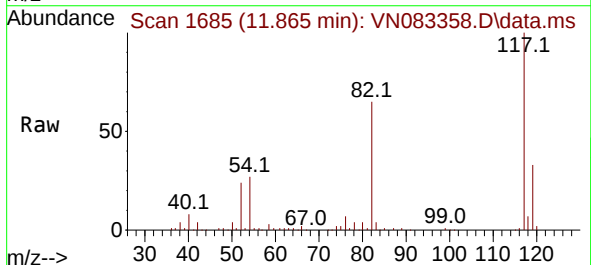
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

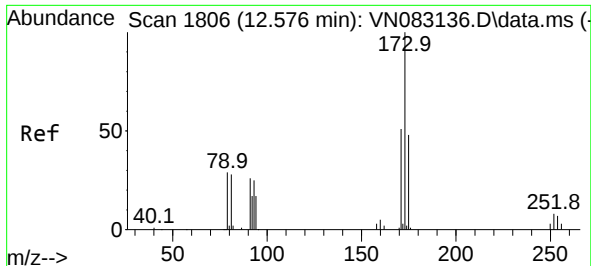
Tgt Ion: 95 Resp: 128105
Ion Ratio Lower Upper
95 100
174 70.7 0.0 159.2
176 68.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Tgt Ion: 117 Resp: 254951
Ion Ratio Lower Upper
117 100
82 64.7 47.5 71.3
119 32.9 25.6 38.4

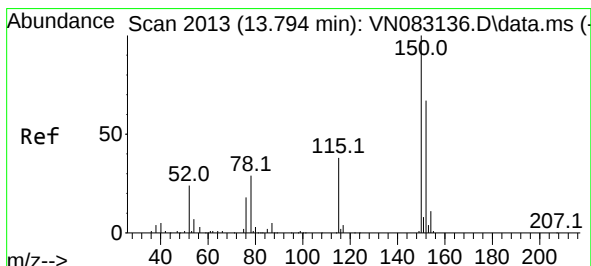
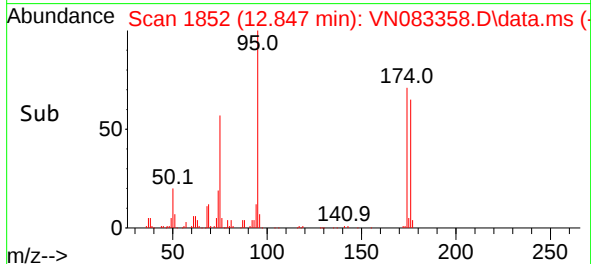
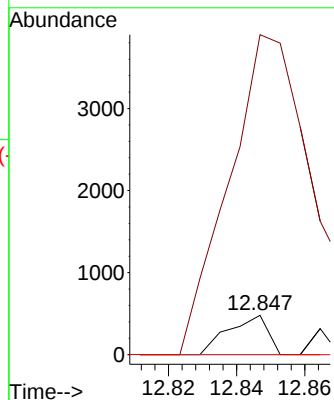
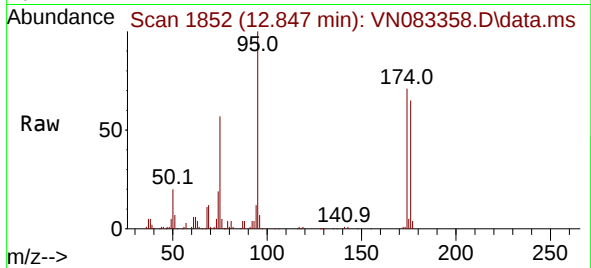




#71
Bromoform
Concen: 0.258 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

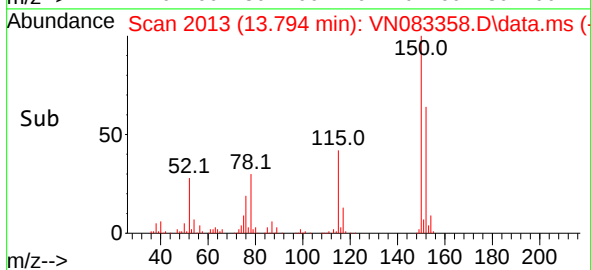
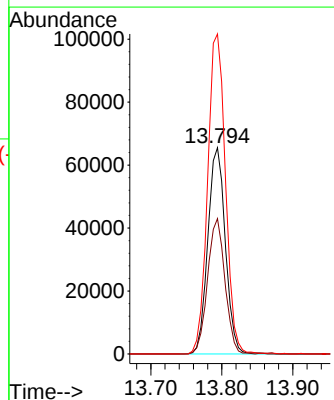
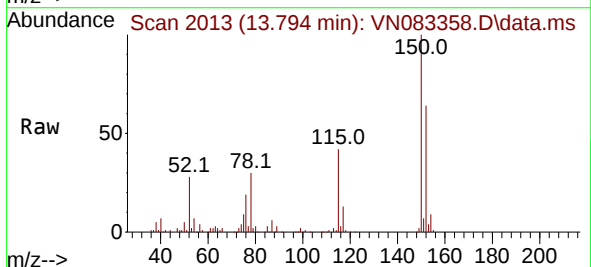
Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

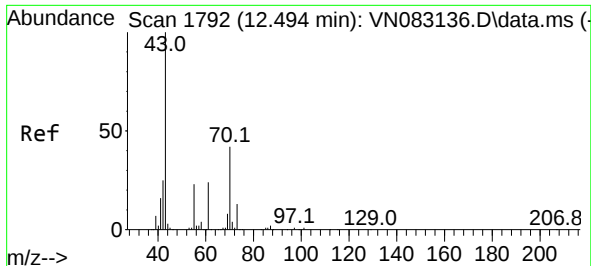
Tgt Ion:173 Resp: 389
Ion Ratio Lower Upper
173 100
175 1172.2 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

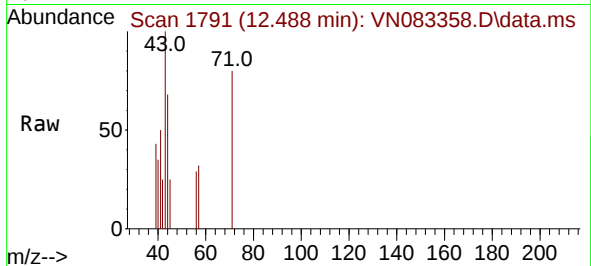
Tgt Ion:152 Resp: 112473
Ion Ratio Lower Upper
152 100
115 64.9 30.6 91.6
150 157.7 0.0 348.6



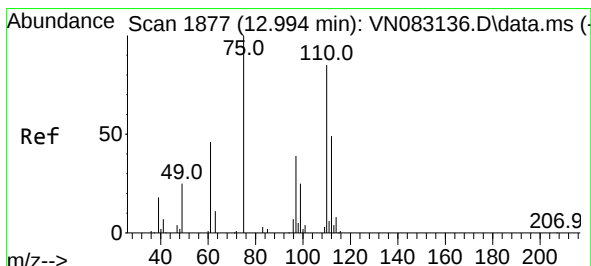
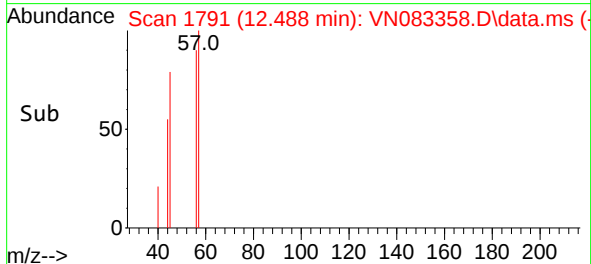
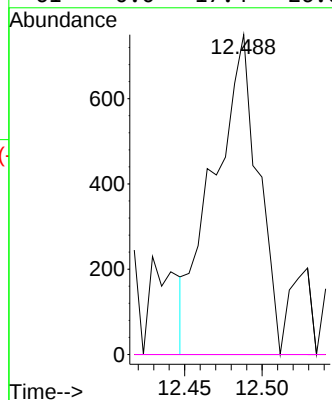


#74
N-amy1 acetate
Concen: 0.324 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

Instrument :
MSVOA_N
ClientSampleId :
PB162767ZHE#02

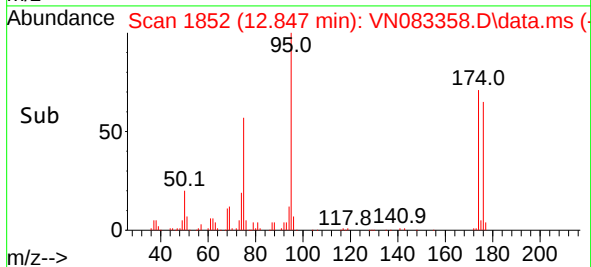
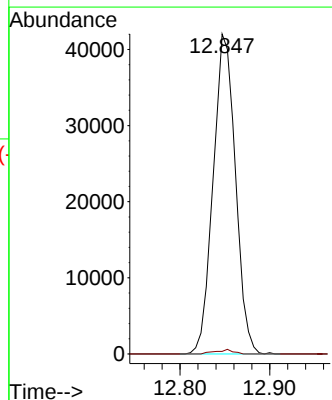
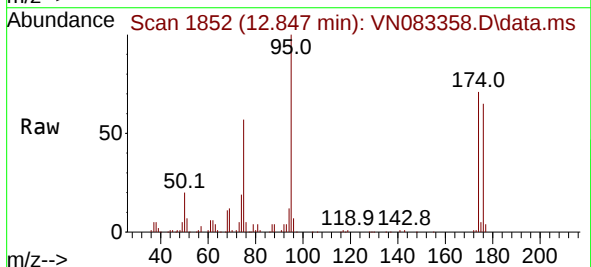


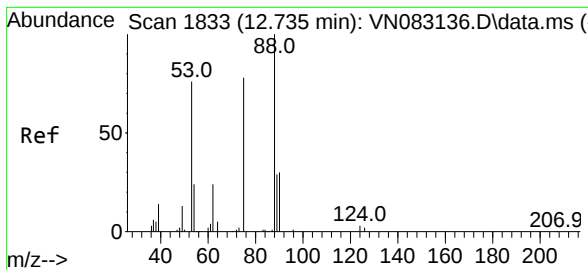
Tgt Ion: 43	Resp:	1490
Ion	Ratio	Lower Upper
43	100	
70	0.0	29.8 44.6#
55	0.0	18.7 28.1#
61	0.0	17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 29.360 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083358.D
Acq: 16 Aug 2024 16:52

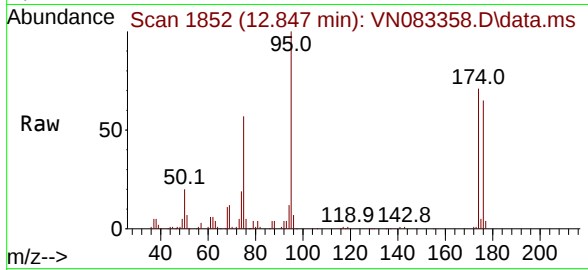
Tgt Ion: 75	Resp:	72476
Ion	Ratio	Lower Upper
75	100	
77	1.1	110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.866 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083358.D
 Acq: 16 Aug 2024 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB162767ZHE#02



Tgt Ion: 75 Resp: 72476
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

