

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083505.D
 Acq On : 27 Aug 2024 13:28
 Operator : JC\MD
 Sample : PB162992ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:45:11 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)

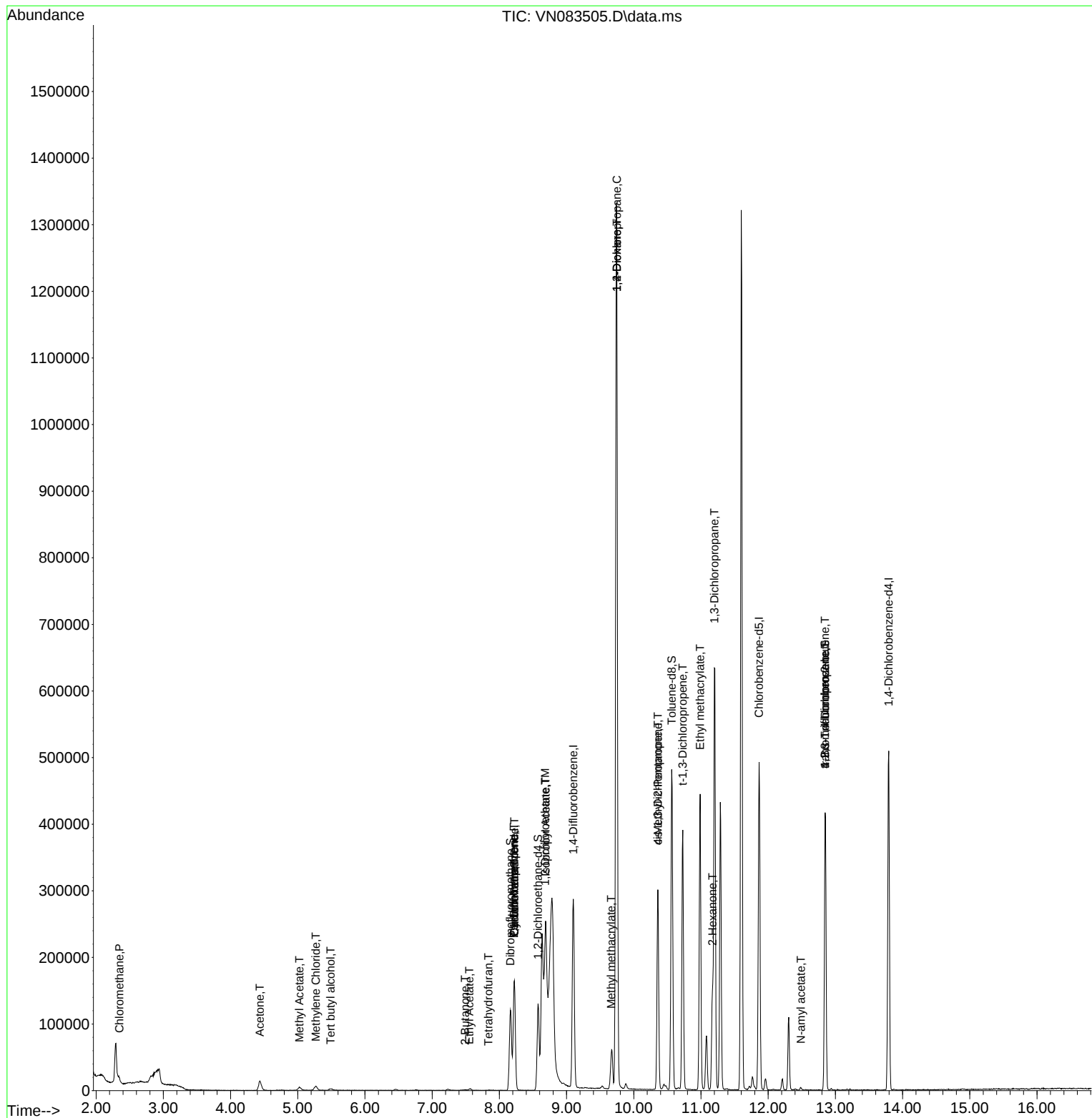
Internal Standards						
1) Pentafluorobenzene	8.218	168	114009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	241724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111358	68.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 137.240%#			
35) Dibromofluoromethane	8.165	113	85835	56.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.780%			
50) Toluene-d8	10.565	98	324439	57.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.300%#			
62) 4-Bromofluorobenzene	12.847	95	147532	67.238	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 134.480%#			
Target Compounds						Qvalue
3) Chloromethane	2.348	50	993	0.750	ug/l #	43
11) Tert butyl alcohol	5.489	59	2000	5.930	ug/l #	71
16) Acetone	4.436	43	19808	31.194	ug/l	92
18) Methyl Acetate	5.024	43	10101	5.339	ug/l	99
20) Methylene Chloride	5.271	84	4852	3.320	ug/l #	83
25) 2-Butanone	7.488	43	1866	1.914	ug/l #	53
29) Tetrahydrofuran	7.835	42	228	0.362	ug/l #	61
31) Cyclohexane	8.224	56	3044	1.266	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	10589	4.639	ug/l #	50
37) Ethyl Acetate	7.553	43	3953	1.547	ug/l #	75
38) Carbon Tetrachloride	8.224	117	13043	5.074	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1309	0.528	ug/l #	78
43) Isopropyl Acetate	8.688	43	312352	72.333	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1774	1.099	ug/l #	44
48) Methyl methacrylate	9.665	41	4497	2.129	ug/l #	52
49) 1,4-Dioxane	9.747	88	75	1.968	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	115941	47.977	ug/l #	50
53) t-1,3-Dichloropropene	10.729	75	904	0.339	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	54022	19.062	ug/l #	54
56) Ethyl methacrylate	10.988	69	1209	0.417	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7151	2.606	ug/l #	43
59) 2-Hexanone	11.171	43	124258	66.464	ug/l #	28
74) N-amyl acetate	12.488	43	2963	0.553	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	82360	28.649	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82360	62.318	ug/l #	6

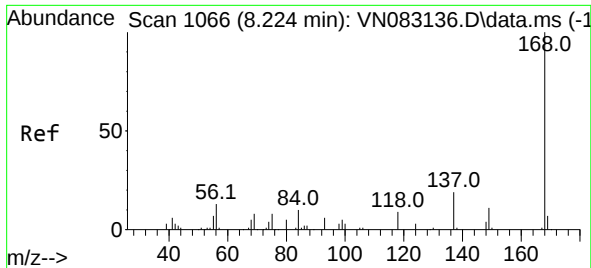
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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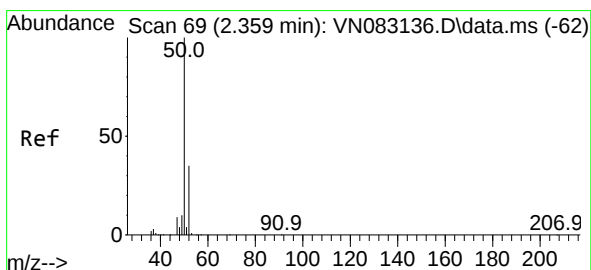
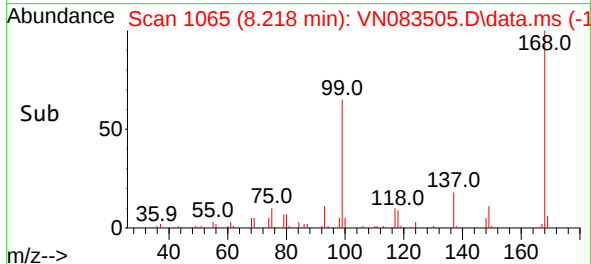
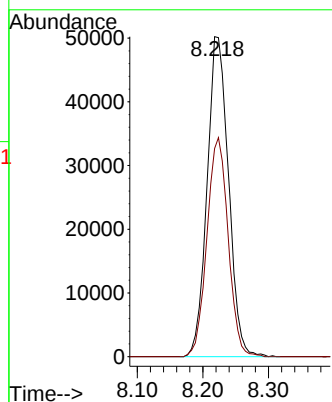
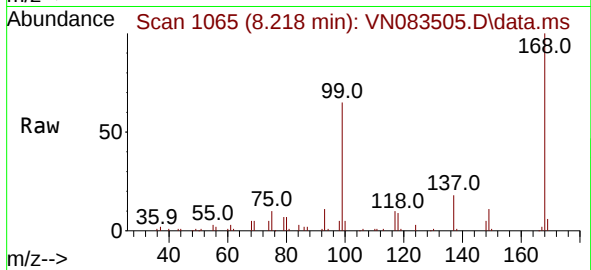




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

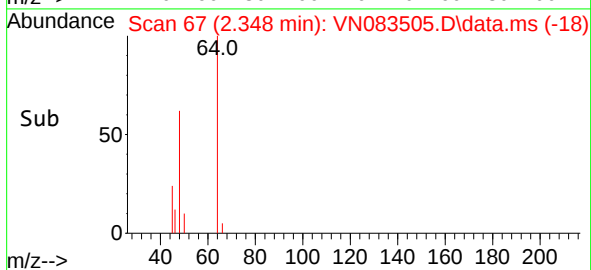
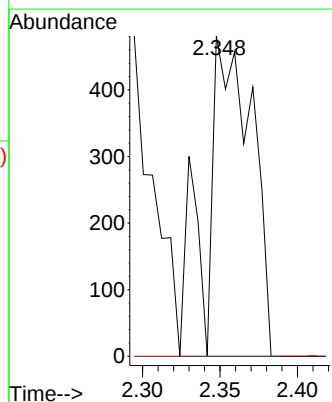
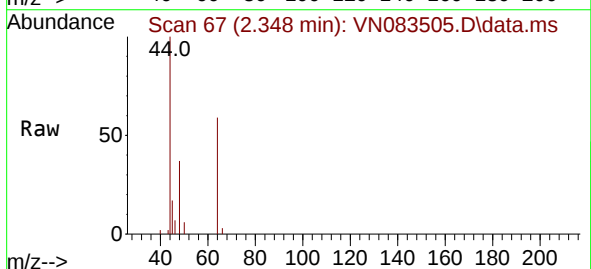
Instrument :
MSVOA_N
ClientSampleId :

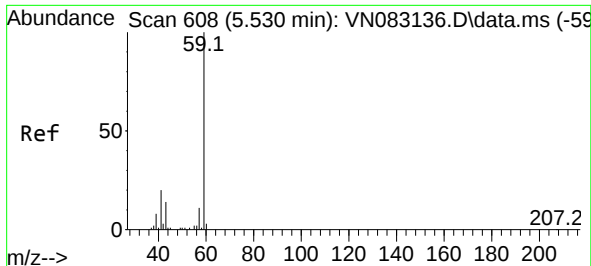
Tgt Ion:168 Resp: 114009
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.4



#3
Chloromethane
Concen: 0.750 ug/l
RT: 2.348 min Scan# 67
Delta R.T. -0.012 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

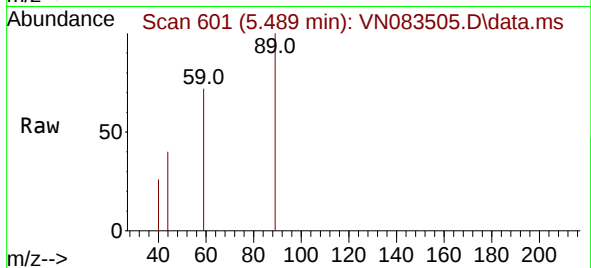
Tgt Ion: 50 Resp: 993
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



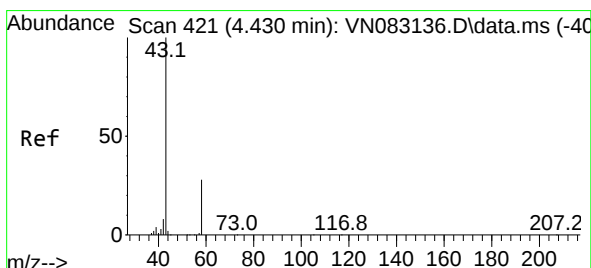
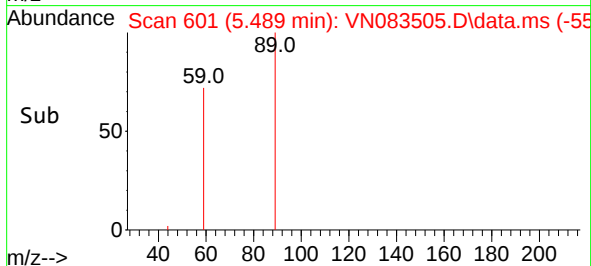
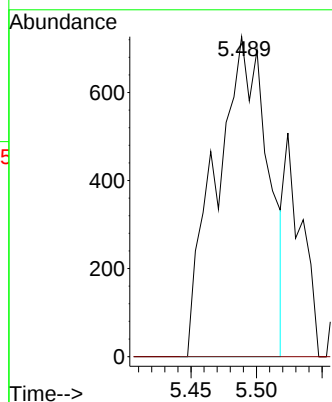


#11
Tert butyl alcohol
Concen: 5.930 ug/l
RT: 5.489 min Scan# 608
Delta R.T. -0.041 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

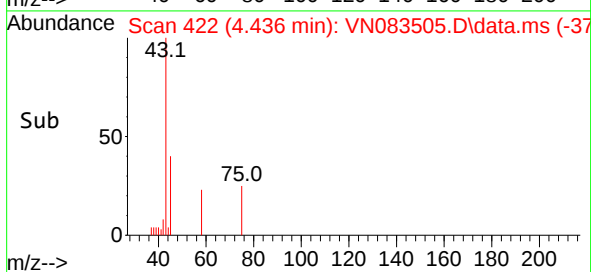
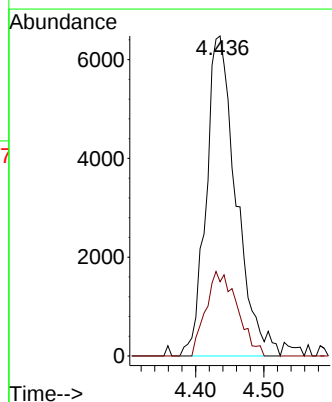
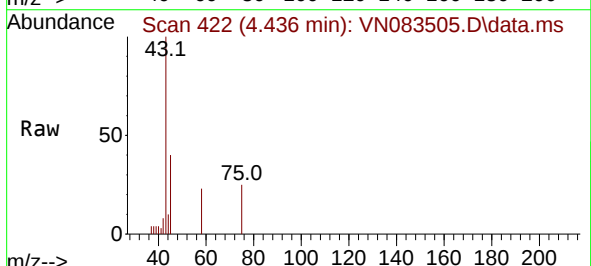


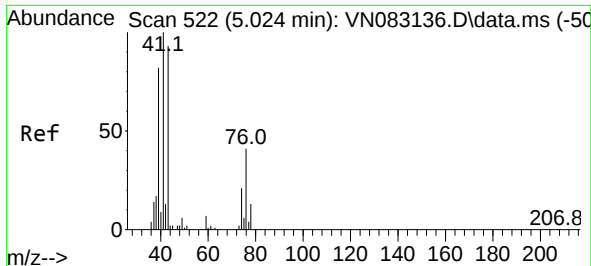
Tgt Ion: 59 Resp: 2000
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 31.194 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

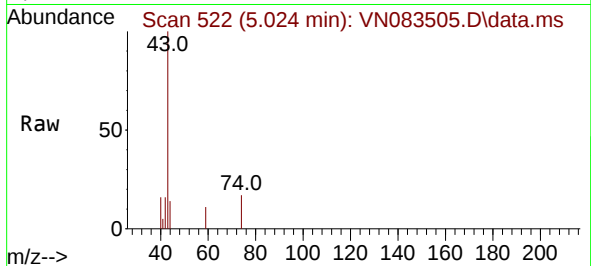
Tgt Ion: 43 Resp: 19808
Ion Ratio Lower Upper
43 100
58 23.2 21.8 32.6



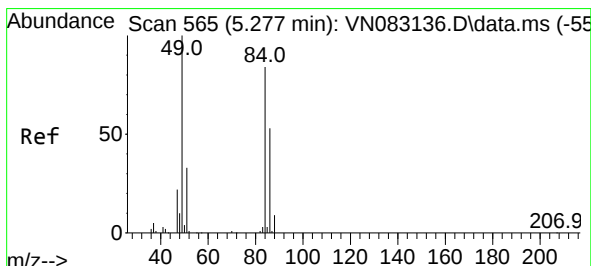
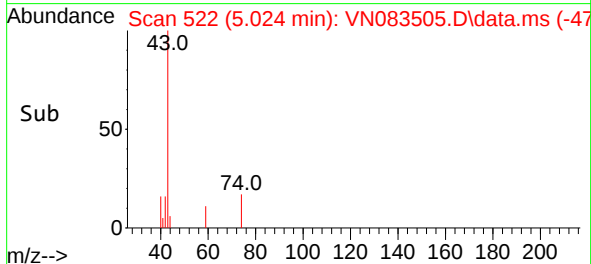
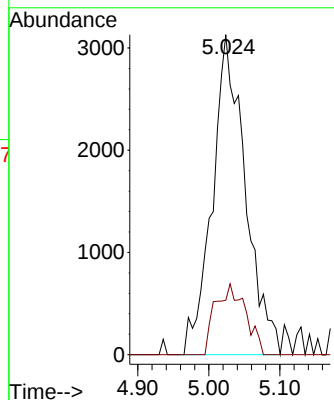


#18
Methyl Acetate
Concen: 5.339 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

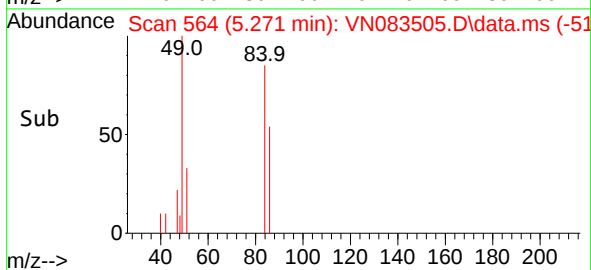
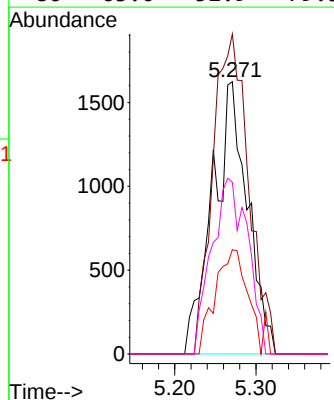
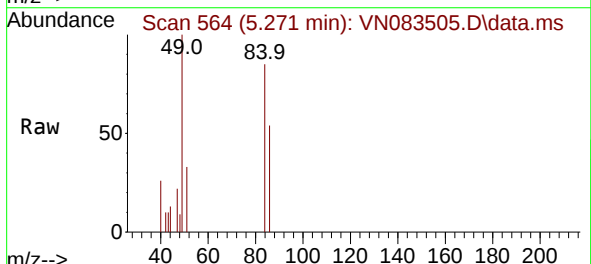


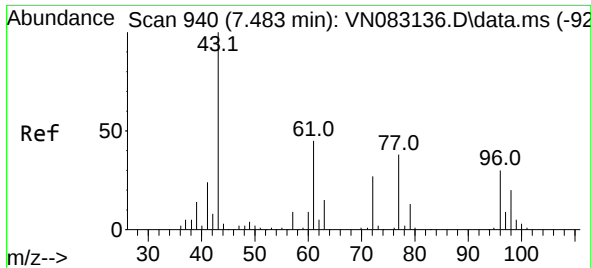
Tgt Ion: 43 Resp: 10101
Ion Ratio Lower Upper
43 100
74 20.1 16.3 24.5



#20
Methylene Chloride
Concen: 3.320 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Tgt Ion: 84 Resp: 4852
Ion Ratio Lower Upper
84 100
49 117.5 119.6 179.4#
51 38.3 34.8 52.2
86 63.0 52.9 79.3

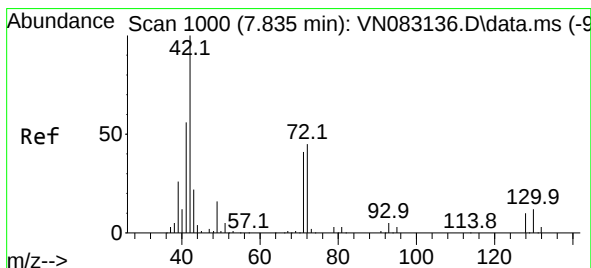
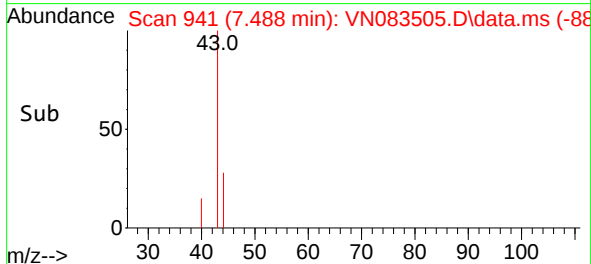
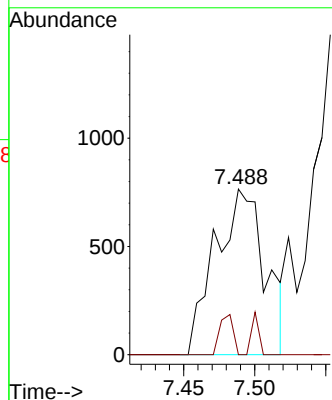
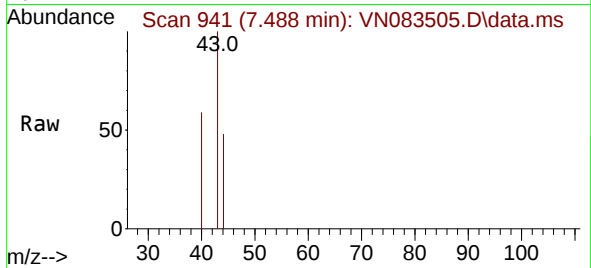




#25
2-Butanone
Concen: 1.914 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

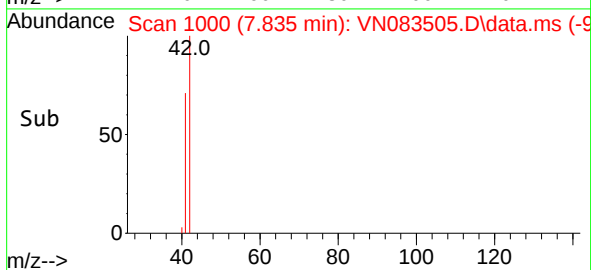
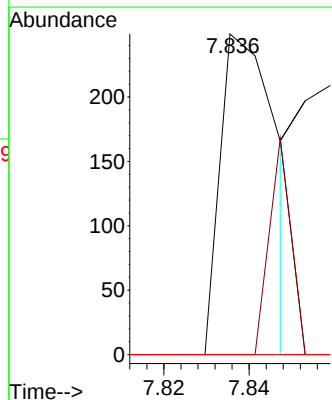
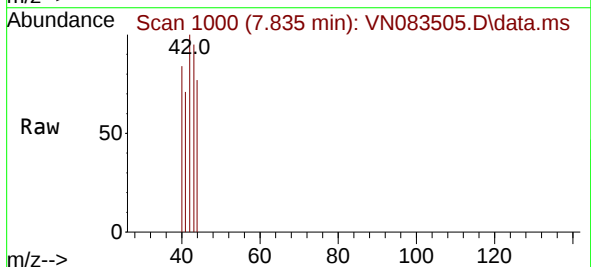
Instrument :
MSVOA_N
ClientSampleId :

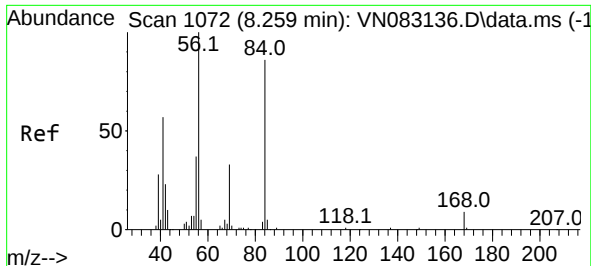
Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.362 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

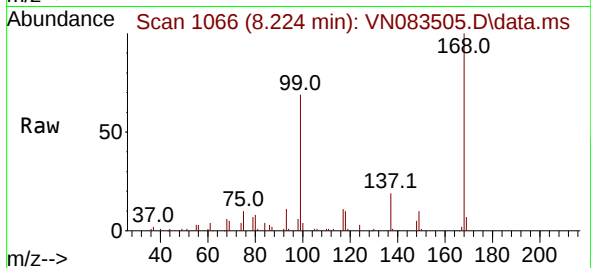
Tgt Ion: 42 Resp: 228
Ion Ratio Lower Upper
42 100
72 25.9 30.0 45.0#
71 0.0 28.3 42.5#



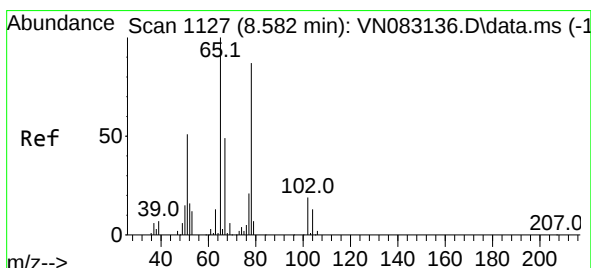
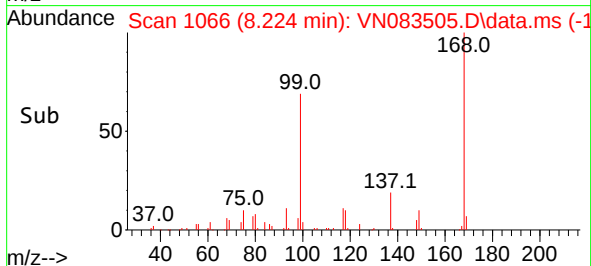
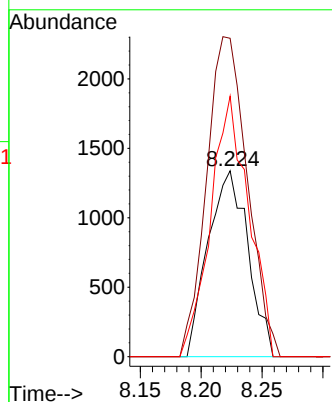


#31
Cyclohexane
Concen: 1.266 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

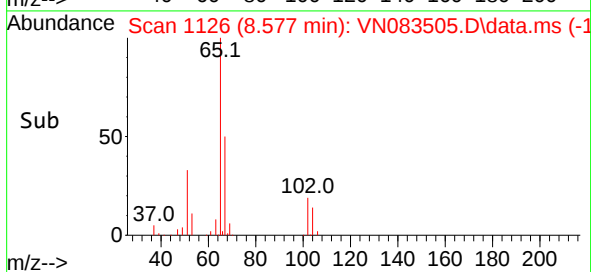
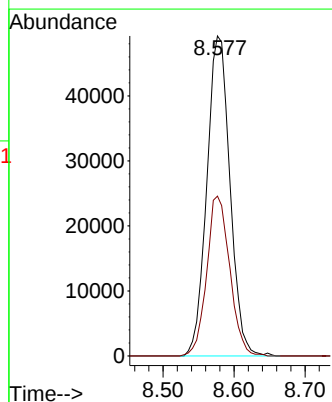
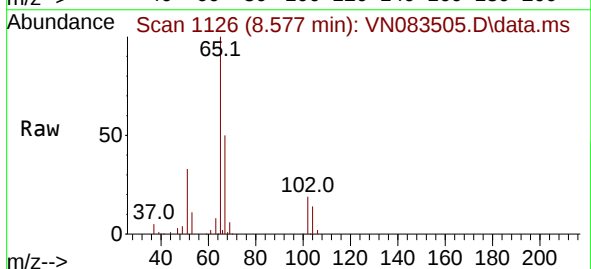


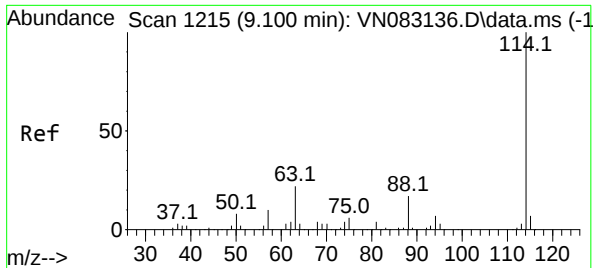
Tgt Ion: 56 Resp: 3044
Ion Ratio Lower Upper
56 100
69 171.2 24.5 36.7#
84 140.1 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 68.621 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Tgt Ion: 65 Resp: 111358
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.4

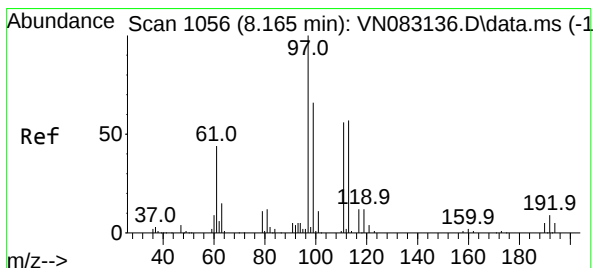
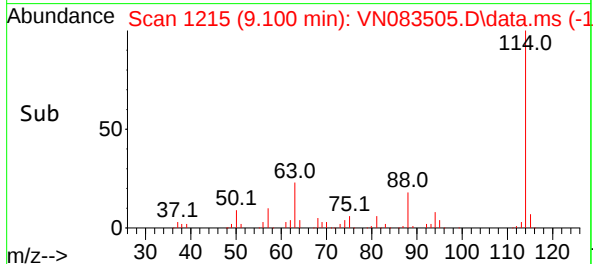
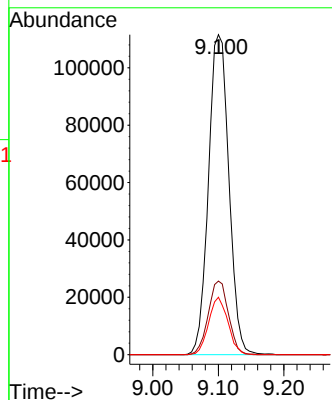
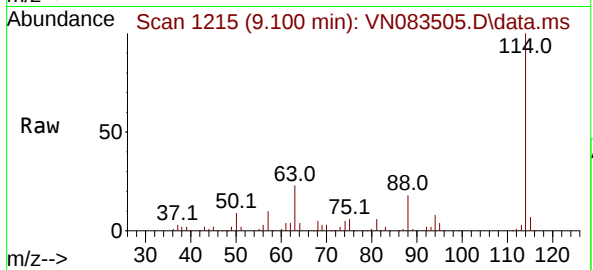




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

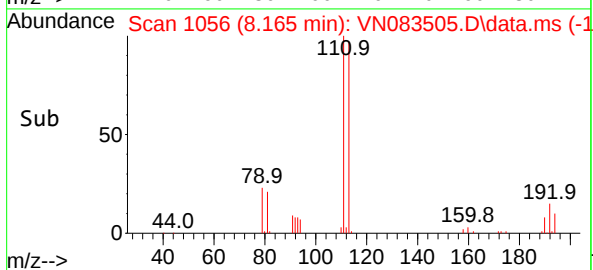
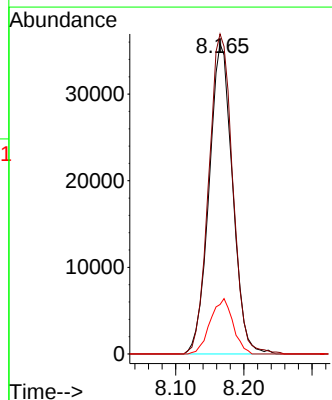
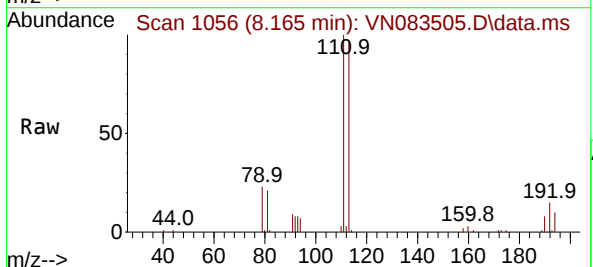
Instrument :
MSVOA_N
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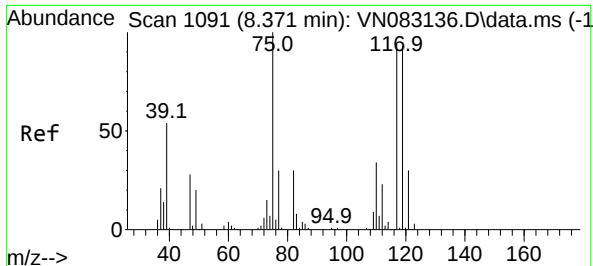
Tgt Ion:114 Resp: 241724
Ion Ratio Lower Upper
114 100
63 23.0 0.0 44.6
88 17.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 56.890 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Tgt Ion:113 Resp: 85835
Ion Ratio Lower Upper
113 100
111 105.0 82.4 123.6
192 17.3 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

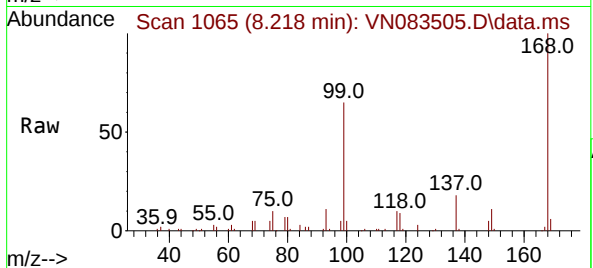
Lab File: VN083505.D

Acq: 27 Aug 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :



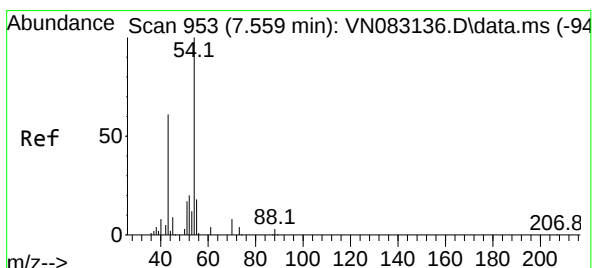
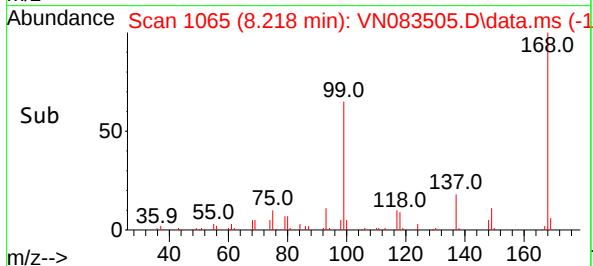
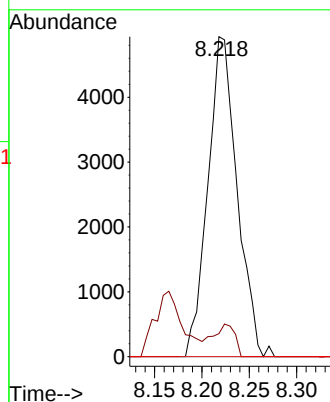
Tgt Ion: 75 Resp: 10589

Ion Ratio Lower Upper

75 100

110 7.7 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.547 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN083505.D

Acq: 27 Aug 2024 13:28

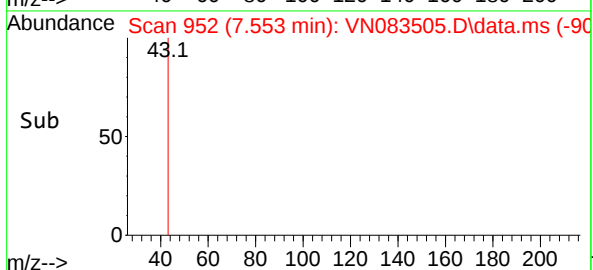
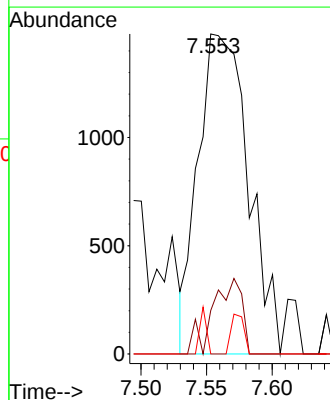
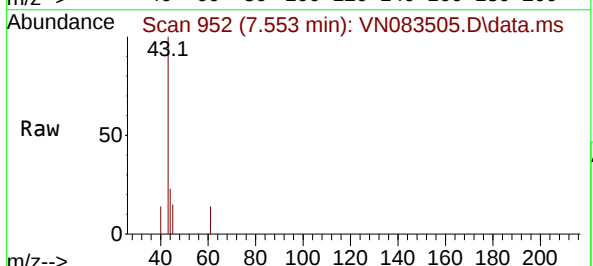
Tgt Ion: 43 Resp: 3953

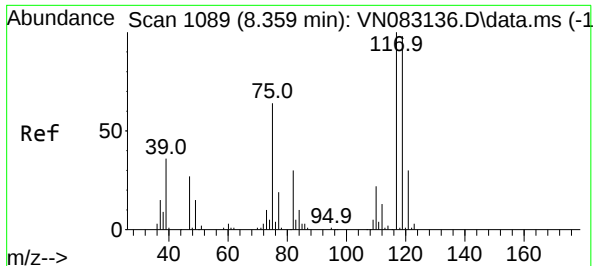
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

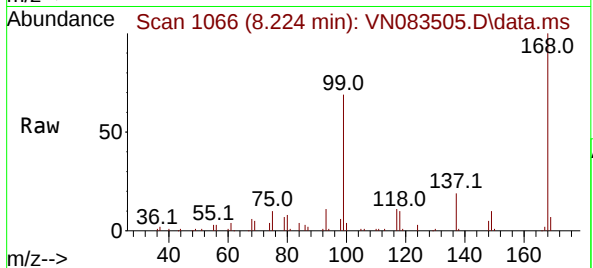
70 1.9 7.0 10.6#



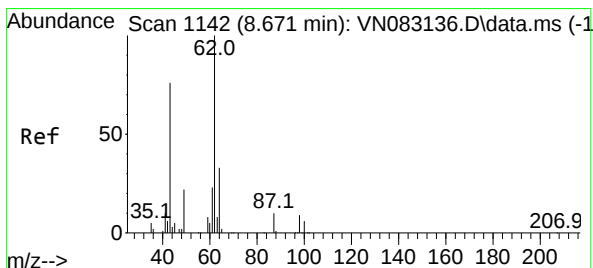
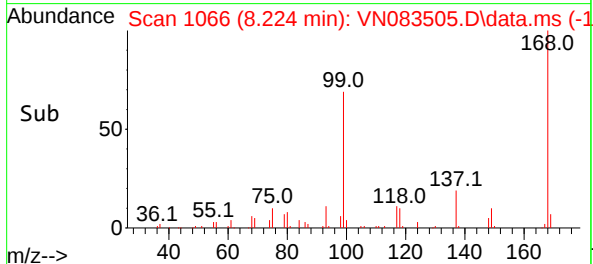
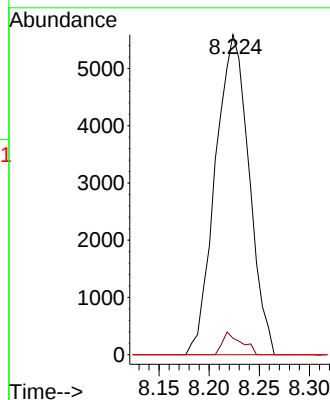


#38
Carbon Tetrachloride
Concen: 5.074 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

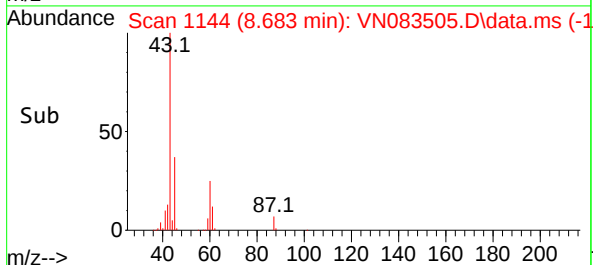
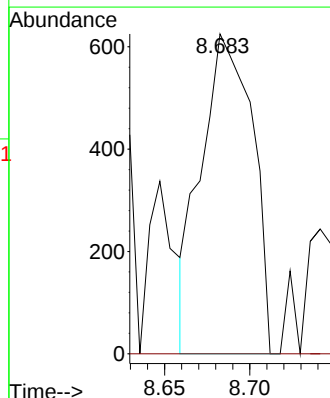
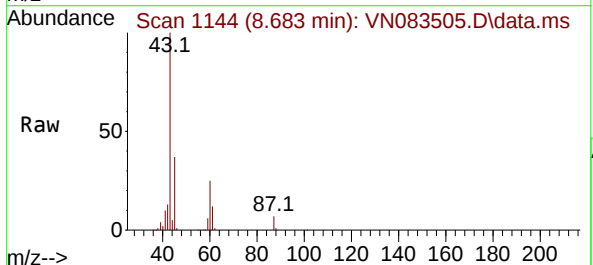


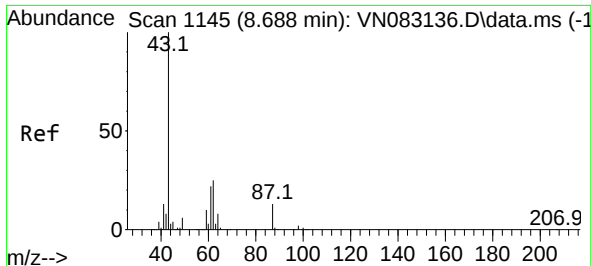
Tgt Ion:117 Resp: 13043
Ion Ratio Lower Upper
117 100
119 5.2 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.528 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

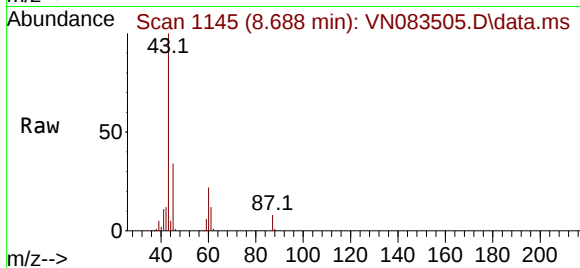
Tgt Ion: 62 Resp: 1309
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



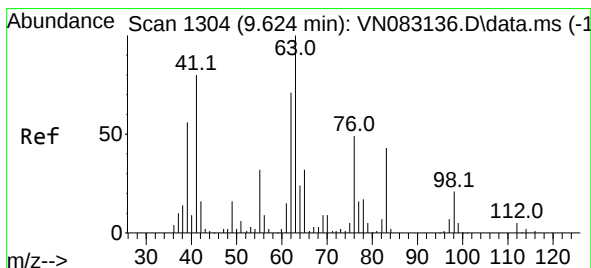
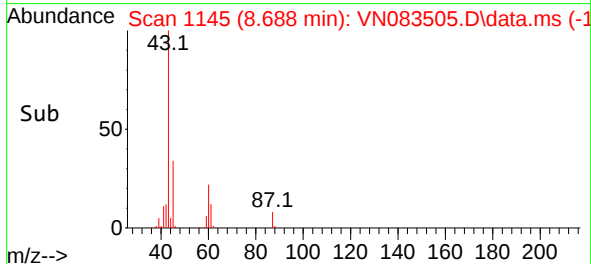
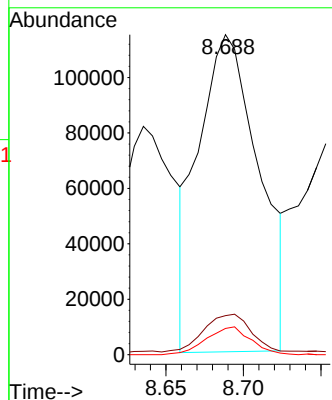


#43
Isopropyl Acetate
Concen: 72.333 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

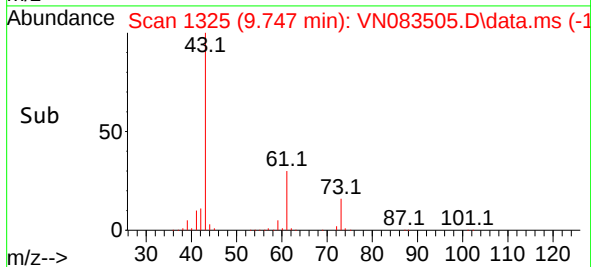
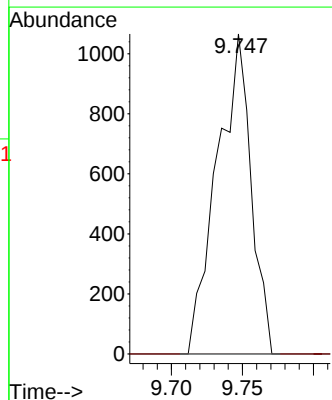
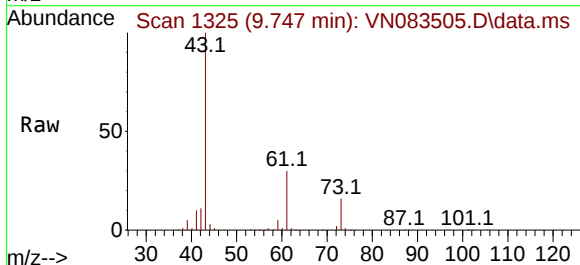


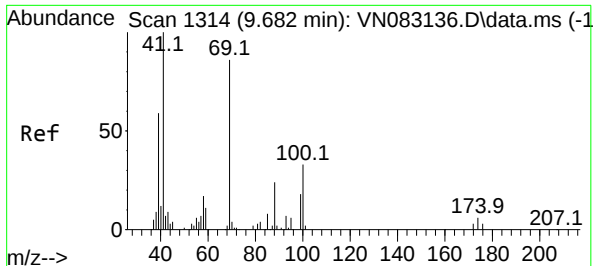
Tgt Ion: 43 Resp: 312352
Ion Ratio Lower Upper
43 100
61 12.1 17.8 26.6#
87 6.4 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 1.099 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Tgt Ion: 63 Resp: 1774
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 2.129 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN083505.D

Acq: 27 Aug 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

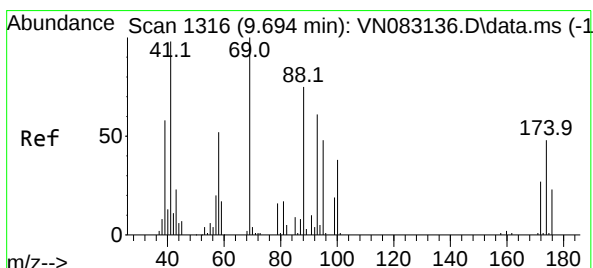
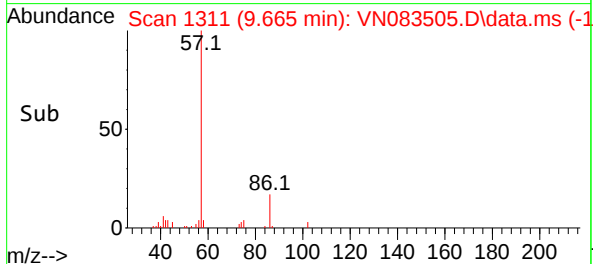
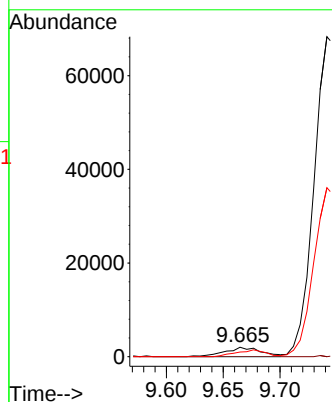
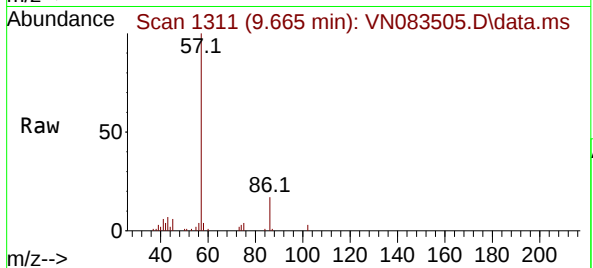
Tgt Ion: 41 Resp: 4497

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 58.9 50.3 75.5



#49

1,4-Dioxane

Concen: 1.968 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN083505.D

Acq: 27 Aug 2024 13:28

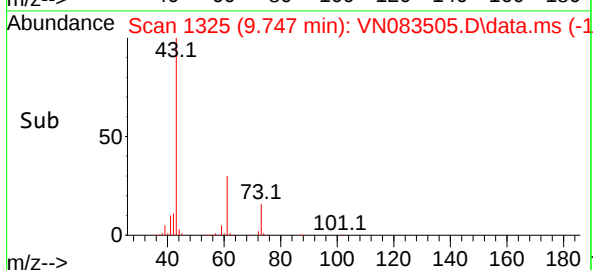
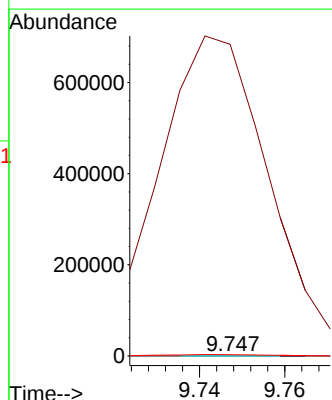
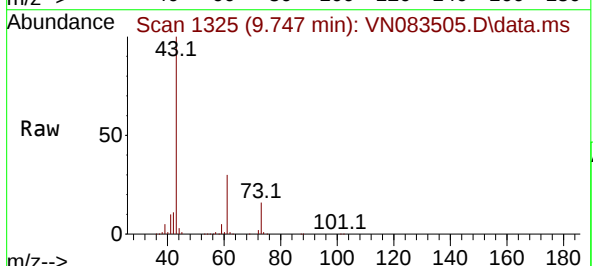
Tgt Ion: 88 Resp: 75

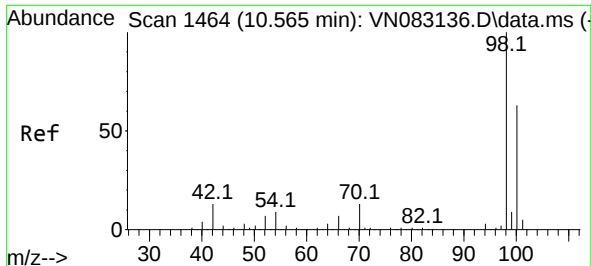
Ion Ratio Lower Upper

88 100

43 1726488.0 27.8 41.8#

58 7396.0 59.4 89.0#

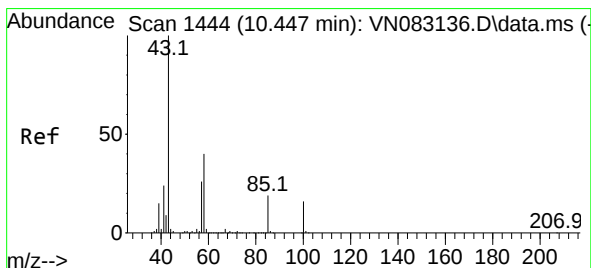
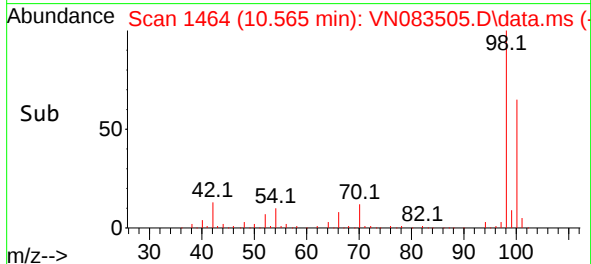
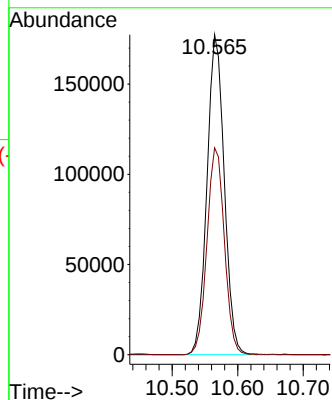
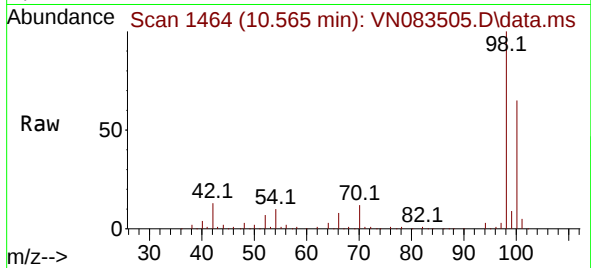




#50
Toluene-d8
Concen: 57.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

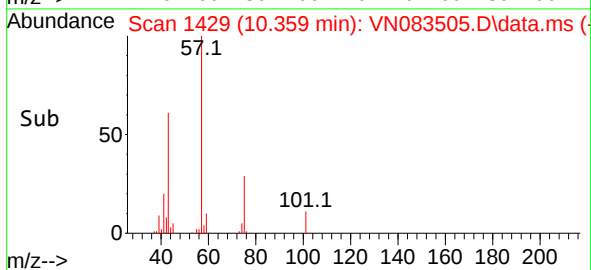
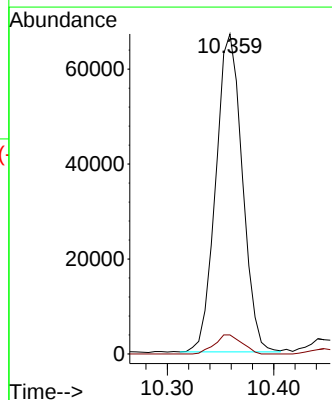
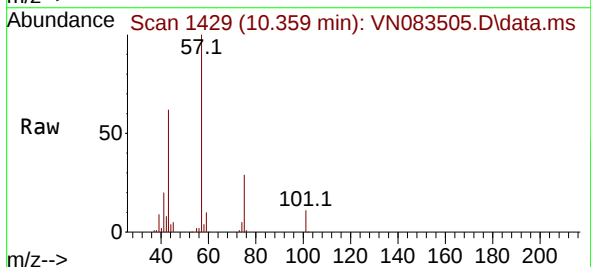
Instrument :
MSVOA_N
ClientSampleId :

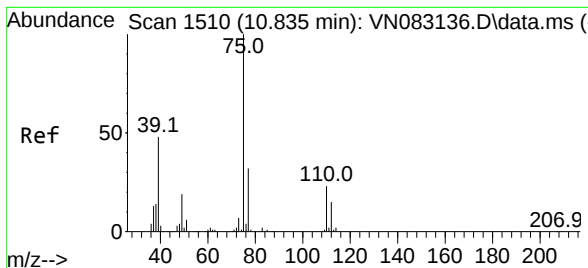
Tgt Ion: 98 Resp: 324439
Ion Ratio Lower Upper
98 100
100 65.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 47.977 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

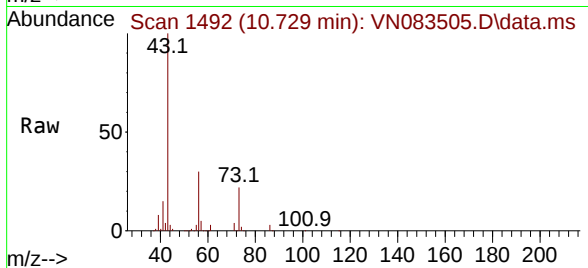
Tgt Ion: 43 Resp: 115941
Ion Ratio Lower Upper
43 100
58 6.2 28.2 42.4#



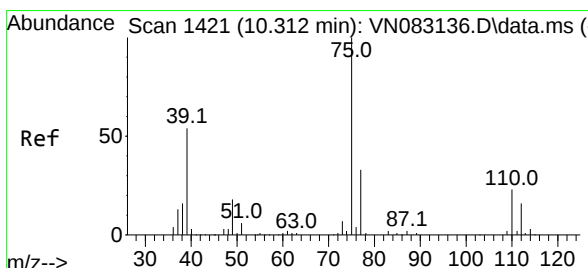
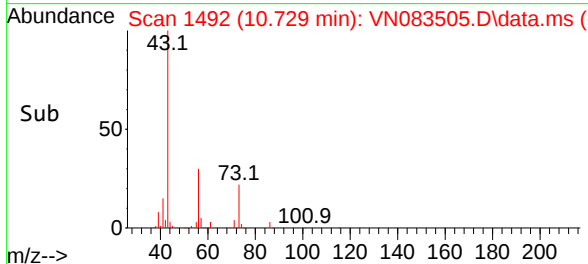
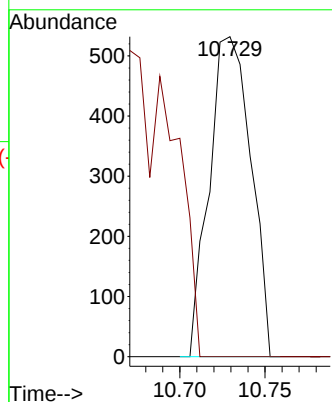


#53
 t-1,3-Dichloropropene
 Concen: 0.339 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN083505.D
 Acq: 27 Aug 2024 13:28

Instrument :
 MSVOA_N
 ClientSampleId :

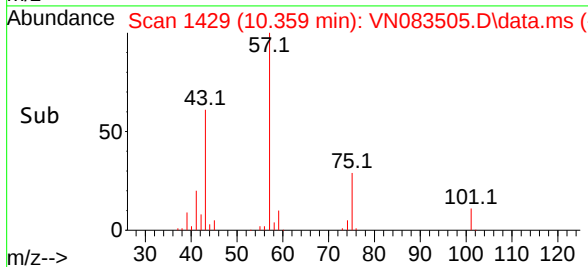
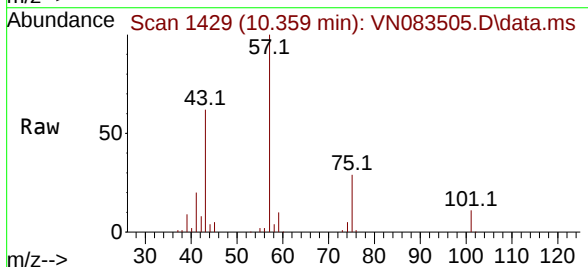
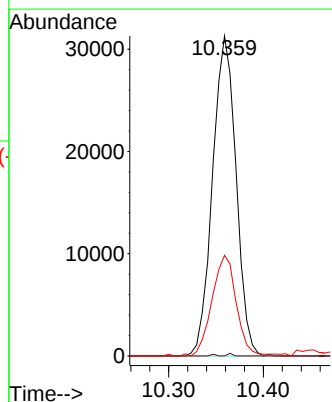


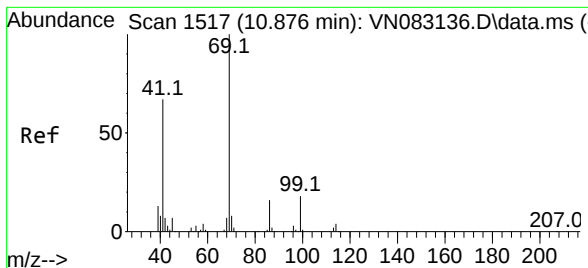
Tgt Ion: 75 Resp: 904
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 19.062 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083505.D
 Acq: 27 Aug 2024 13:28

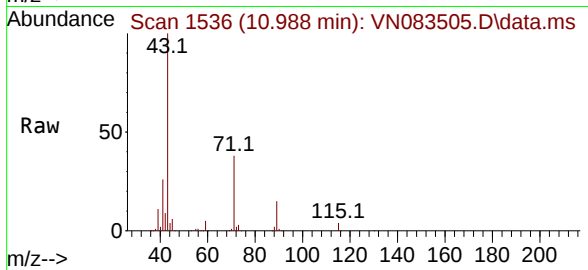
Tgt Ion: 75 Resp: 54022
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 31.4 50.5 75.7#



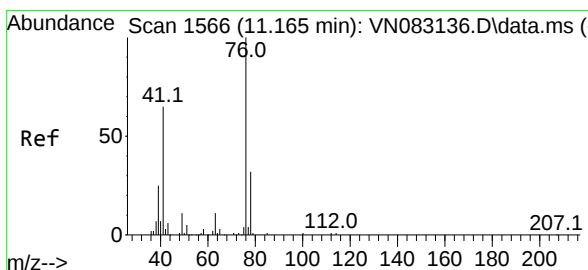
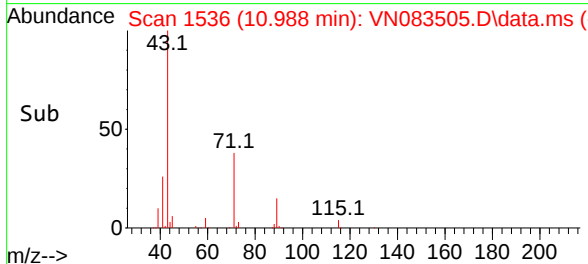
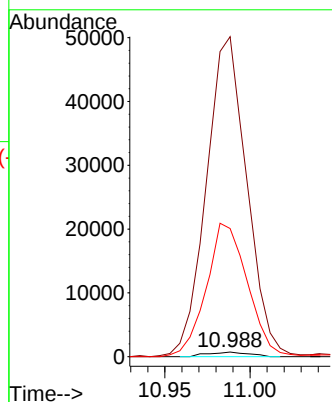


#56
Ethyl methacrylate
Concen: 0.417 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

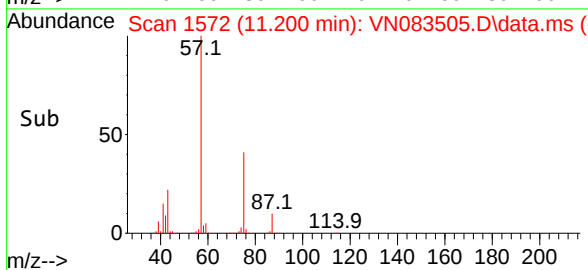
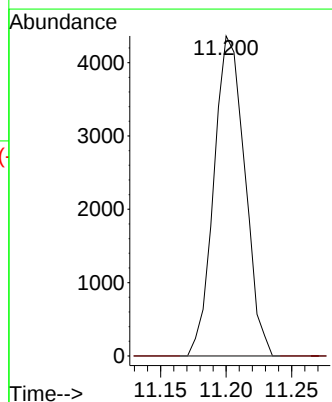
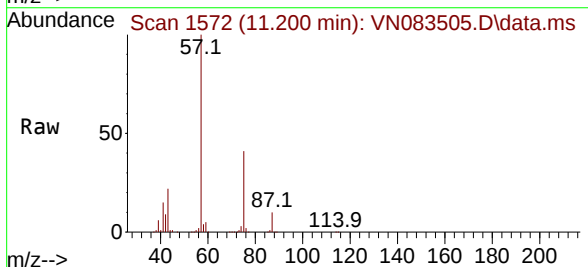


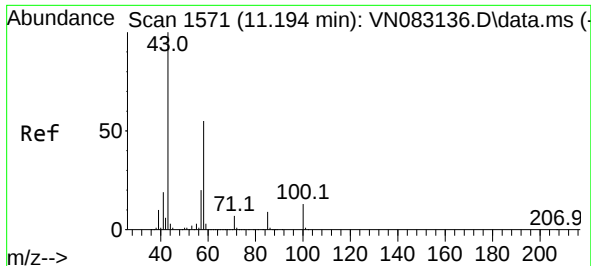
Tgt Ion: 69 Resp: 1209
Ion Ratio Lower Upper
69 100
41 6876.1 63.4 95.2#
39 2911.7 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.606 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Tgt Ion: 76 Resp: 7151
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

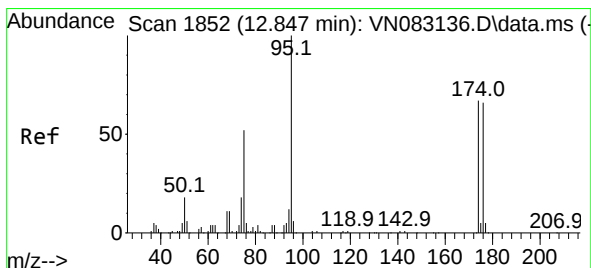
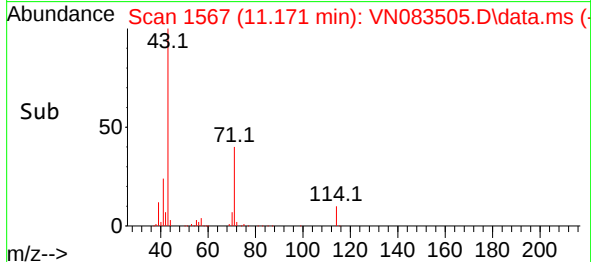
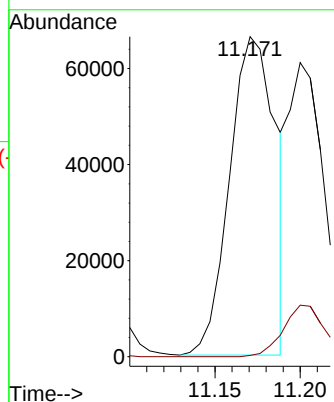
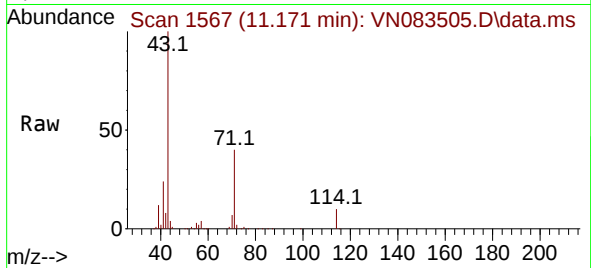




#59
2-Hexanone
Concen: 66.464 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

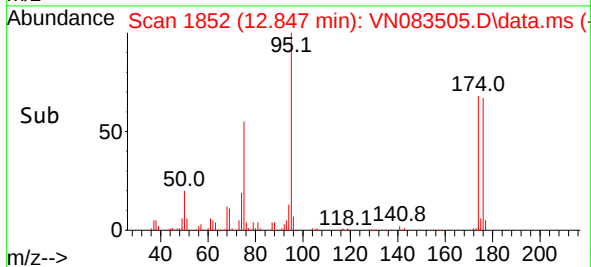
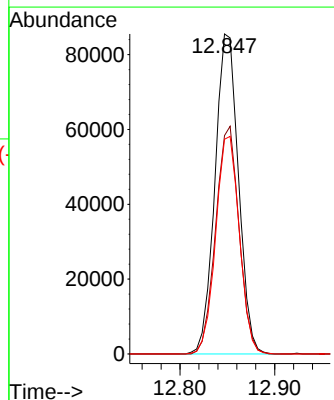
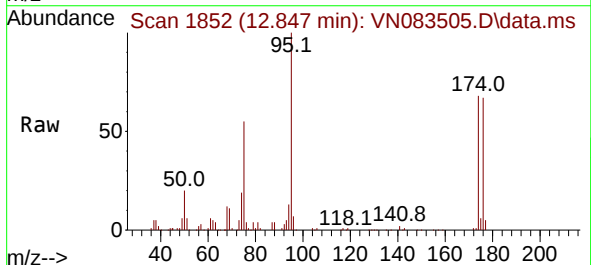
Instrument :
MSVOA_N
ClientSampleId :

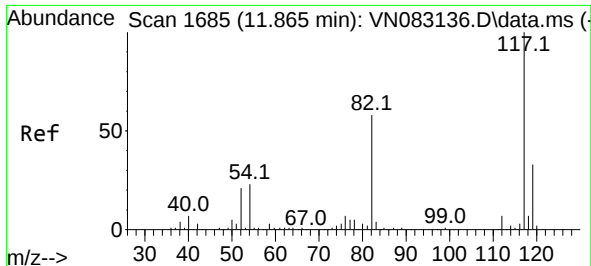
Tgt Ion: 43 Resp: 124258
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 67.238 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

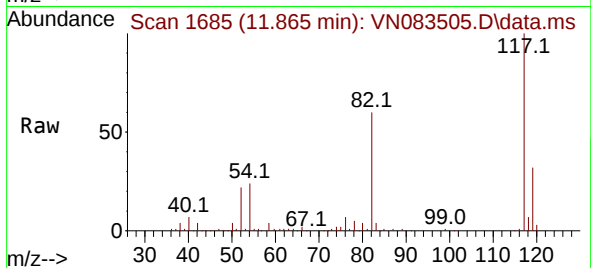
Tgt Ion: 95 Resp: 147532
Ion Ratio Lower Upper
95 100
174 70.6 0.0 159.2
176 68.4 0.0 147.6



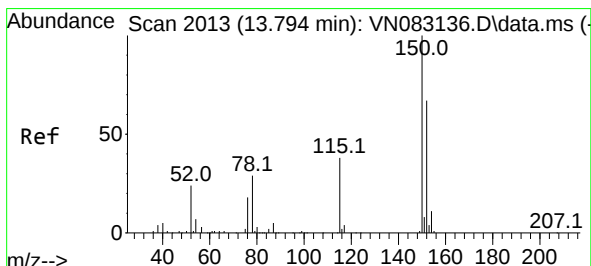
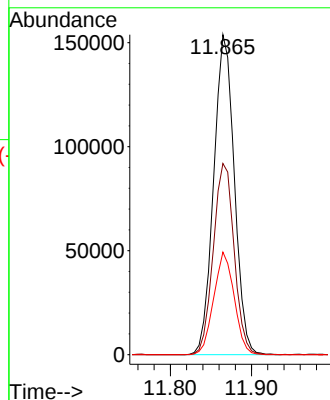
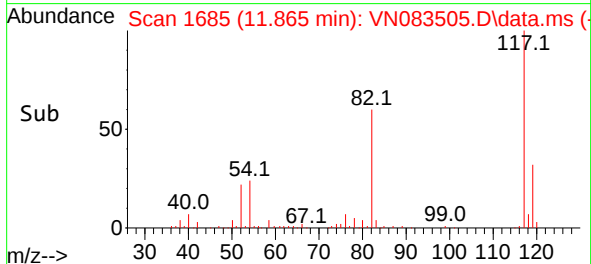


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

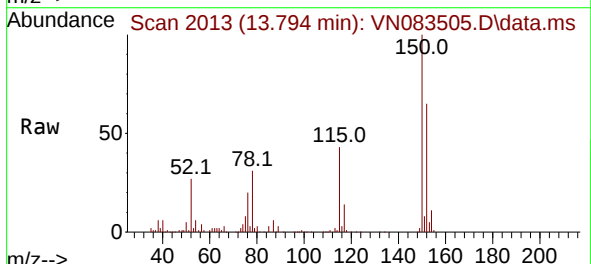
Instrument :
MSVOA_N
ClientSampleId :



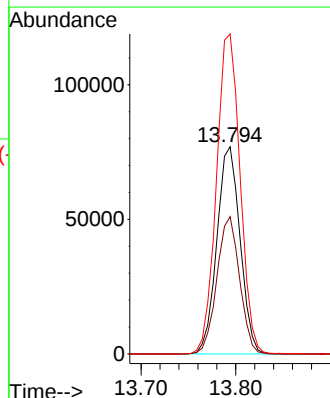
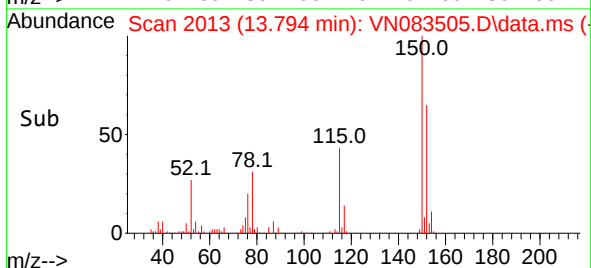
Tgt Ion:117 Resp: 272125
Ion Ratio Lower Upper
117 100
82 59.7 47.5 71.3
119 32.1 25.6 38.4

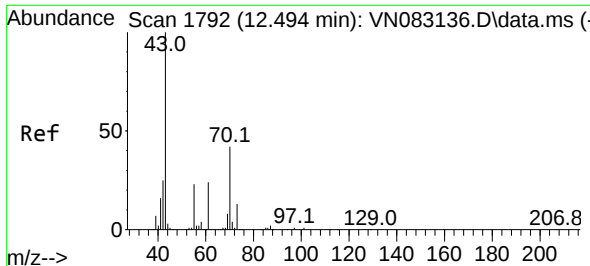


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28



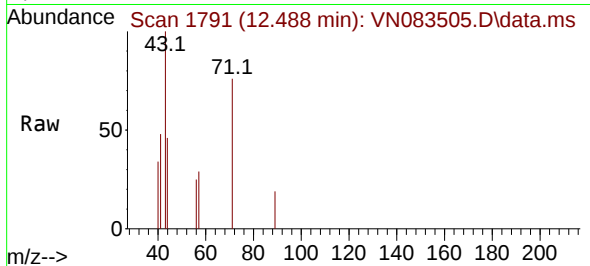
Tgt Ion:152 Resp: 130987
Ion Ratio Lower Upper
152 100
115 64.9 30.6 91.6
150 157.5 0.0 348.6



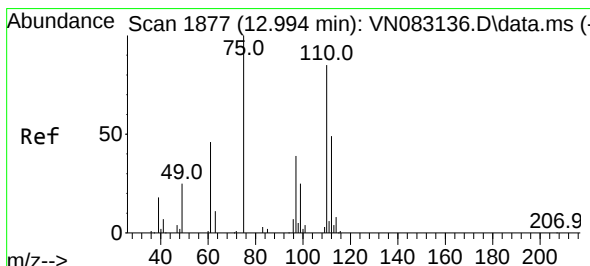
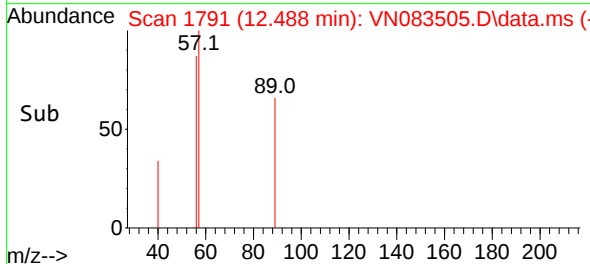
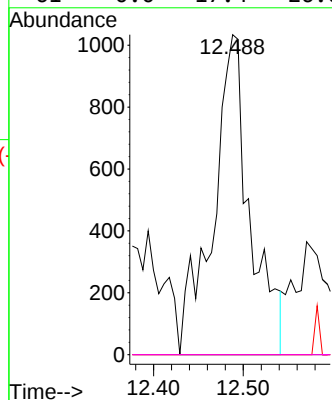


#74
N-amy1 acetate
Concen: 0.553 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

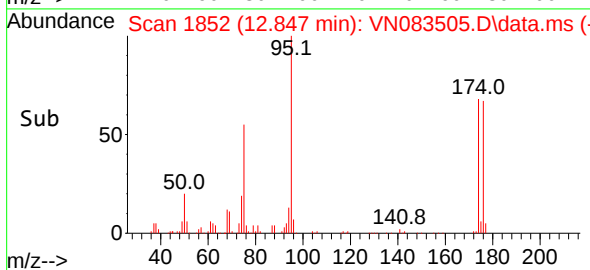
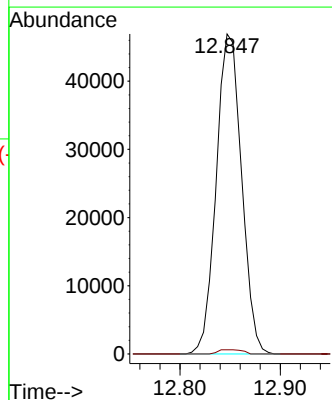
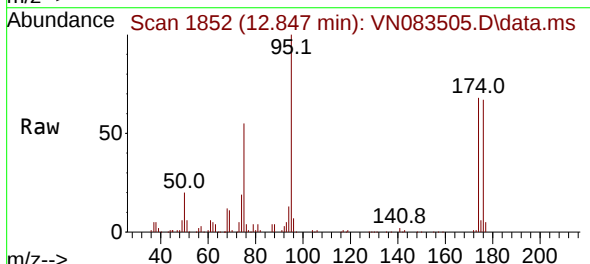


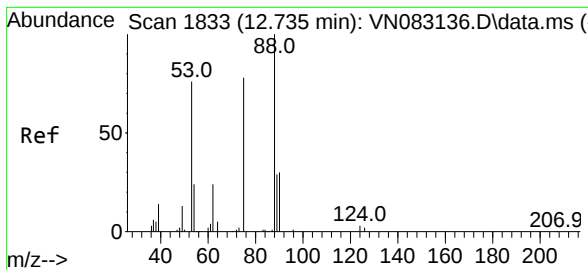
Tgt Ion: 43	Resp: 2963
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	0.0 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 28.649 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083505.D
Acq: 27 Aug 2024 13:28

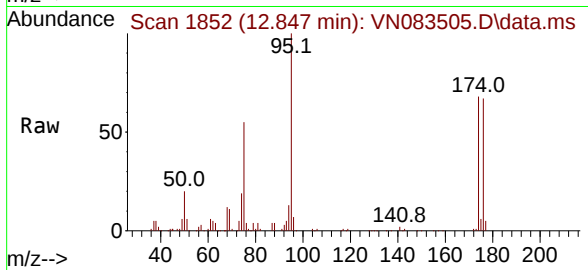
Tgt Ion: 75	Resp: 82360
Ion Ratio	Lower Upper
75	100
77	1.3 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.318 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083505.D
 Acq: 27 Aug 2024 13:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 82360
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

