

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083510.D
 Acq On : 27 Aug 2024 15:29
 Operator : JC\MD
 Sample : PB162992ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:47:31 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)

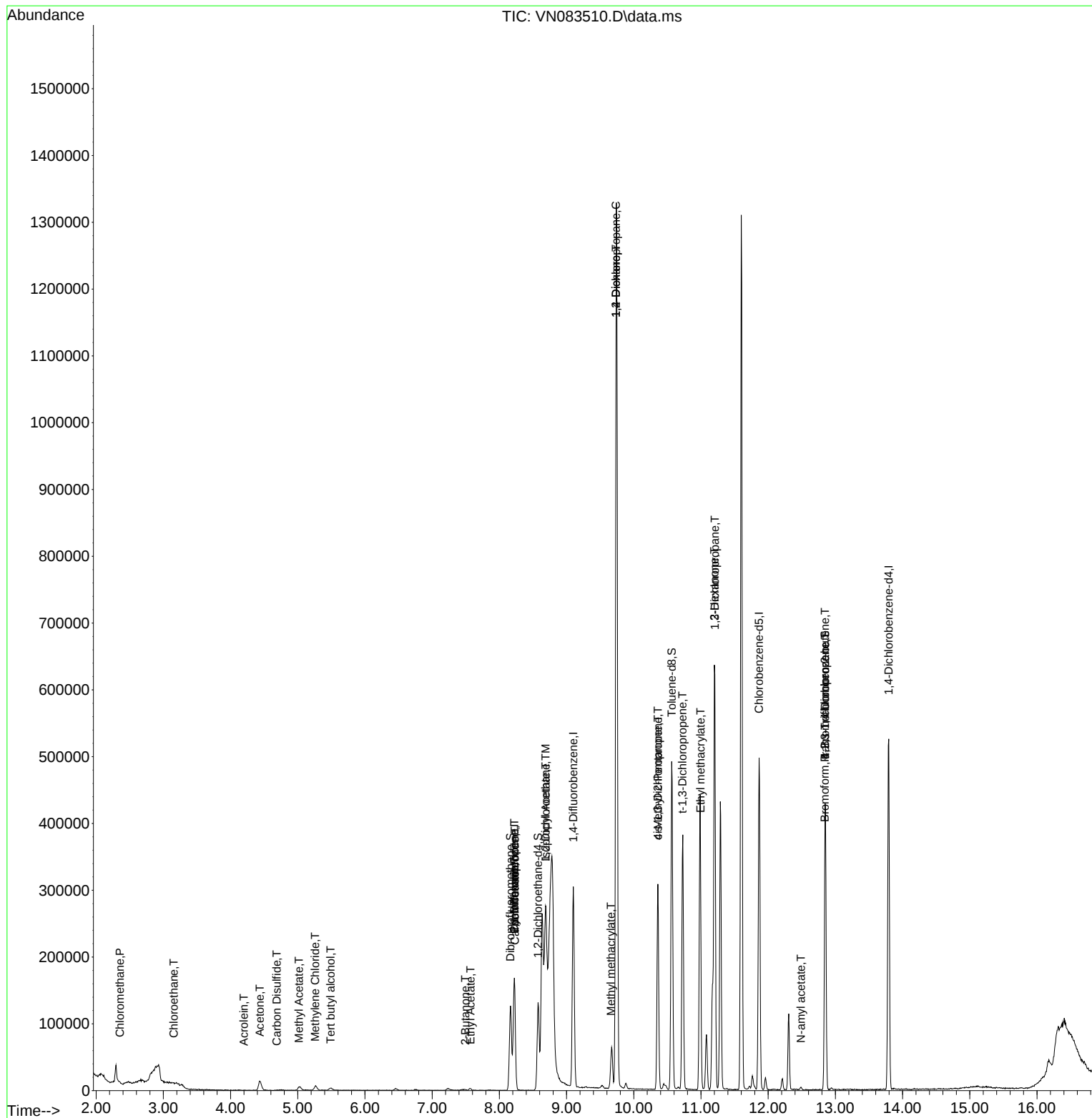
Internal Standards						
1) Pentafluorobenzene	8.224	168	116057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112622	68.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 136.360%#			
35) Dibromofluoromethane	8.165	113	88244	57.635	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.280%			
50) Toluene-d8	10.565	98	327773	57.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.780%#			
62) 4-Bromofluorobenzene	12.847	95	155235	69.719	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 139.440%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	547	0.406	ug/l #	43
6) Chloroethane	3.153	64	641	0.745	ug/l #	77
11) Tert butyl alcohol	5.489	59	3268	9.519	ug/l #	71
13) Acrolein	4.200	56	54	0.241	ug/l #	64
16) Acetone	4.436	43	22278	34.465	ug/l	96
17) Carbon Disulfide	4.689	76	765	0.203	ug/l #	75
18) Methyl Acetate	5.018	43	11746	6.099	ug/l	96
20) Methylene Chloride	5.259	84	4892	3.288	ug/l #	66
25) 2-Butanone	7.494	43	2854	2.875	ug/l #	85
31) Cyclohexane	8.224	56	3150	1.287	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	10388	4.485	ug/l #	51
37) Ethyl Acetate	7.571	43	4163	1.605	ug/l #	83
38) Carbon Tetrachloride	8.230	117	12957	4.967	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1449	0.577	ug/l #	78
43) Isopropyl Acetate	8.688	43	355063	81.806	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	1356	0.828	ug/l #	44
48) Methyl methacrylate	9.659	41	4297	2.004	ug/l #	50
49) 1,4-Dioxane	9.735	88	66	1.706	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	116227	47.396	ug/l #	50
53) t-1,3-Dichloropropene	10.724	75	1033	0.382	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	53604	18.639	ug/l #	54
56) Ethyl methacrylate	10.994	69	1273	0.432	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6738	2.420	ug/l #	43
59) 2-Hexanone	11.200	43	89757	47.311	ug/l #	56
71) Bromoform	12.841	173	572	0.352	ug/l #	1
74) N-amyl acetate	12.488	43	1864	0.337	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	85794	28.890	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85794	62.844	ug/l #	6

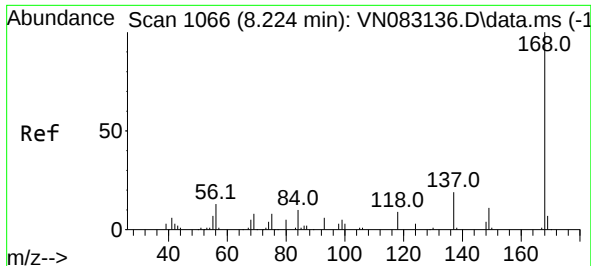
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
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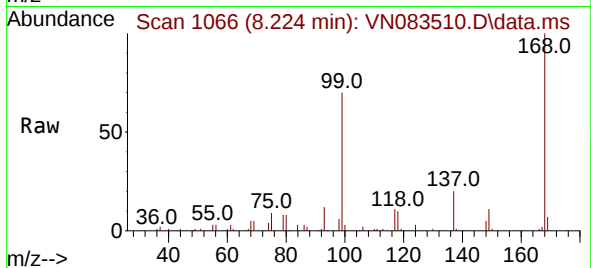
Quant Time: Aug 28 01:47:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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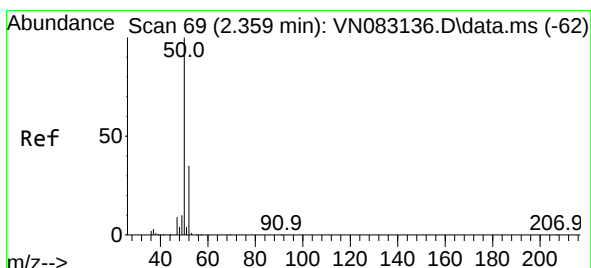
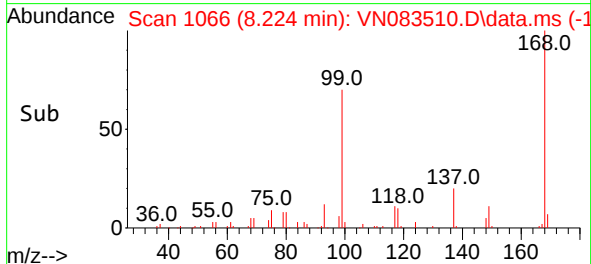
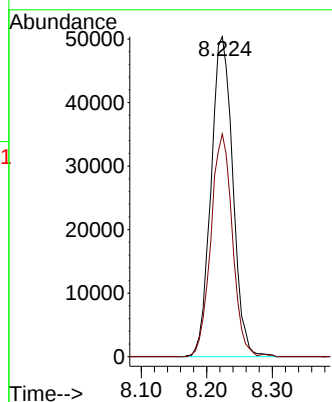


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

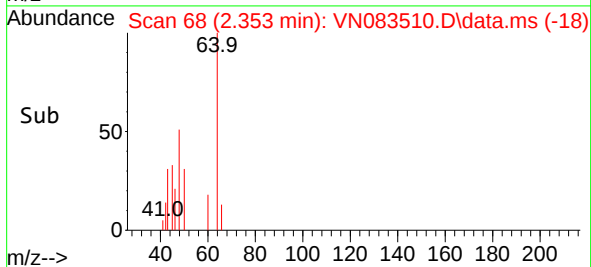
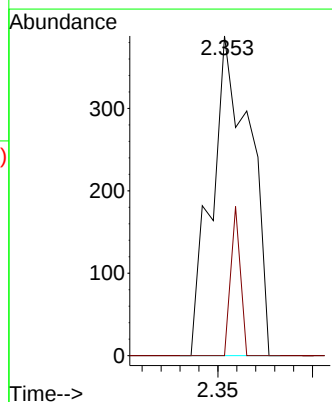
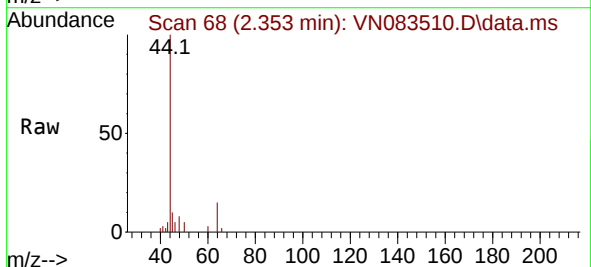


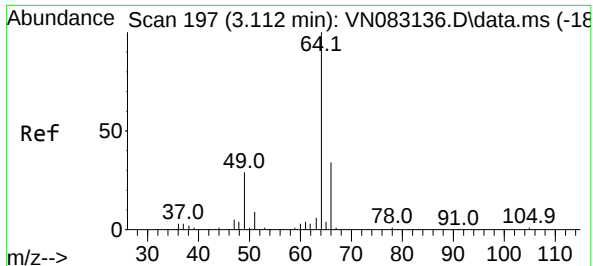
Tgt Ion:168 Resp: 116057
Ion Ratio Lower Upper
168 100
99 69.6 48.2 72.4



#3
Chloromethane
Concen: 0.406 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Tgt Ion: 50 Resp: 547
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

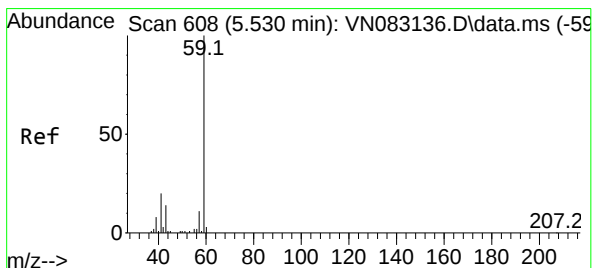
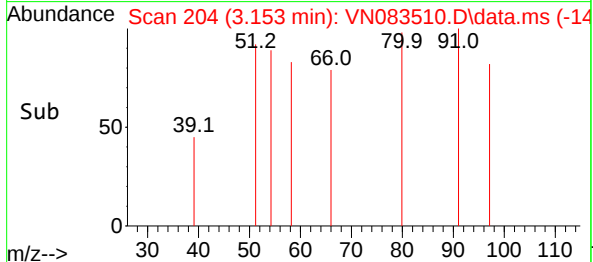
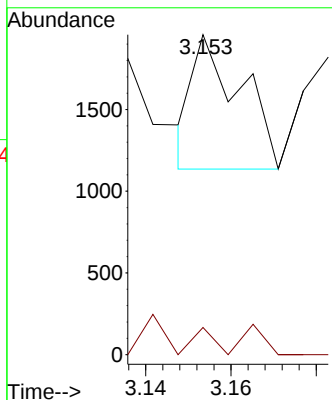
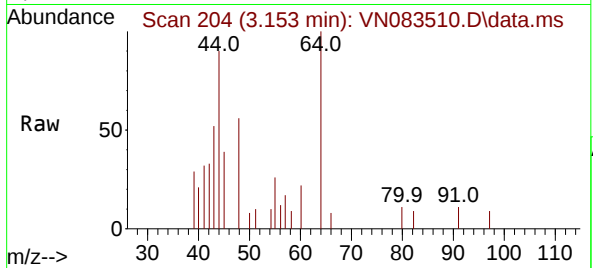




#6
Chloroethane
Concen: 0.745 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.041 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

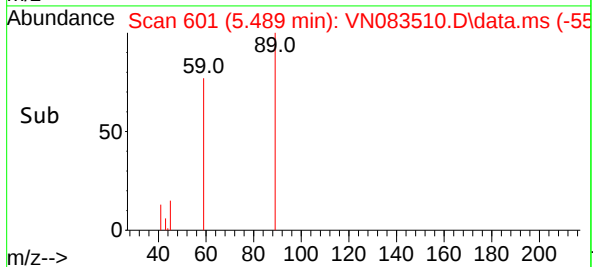
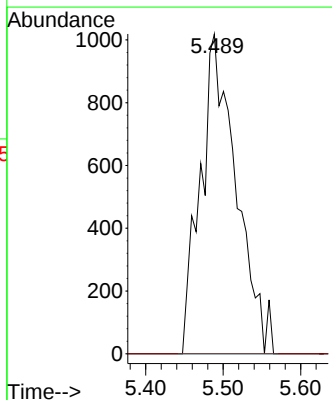
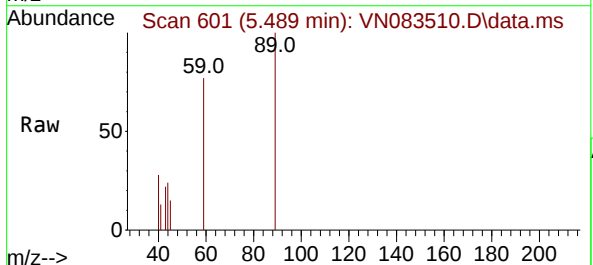
Instrument :
MSVOA_N
ClientSampleId :

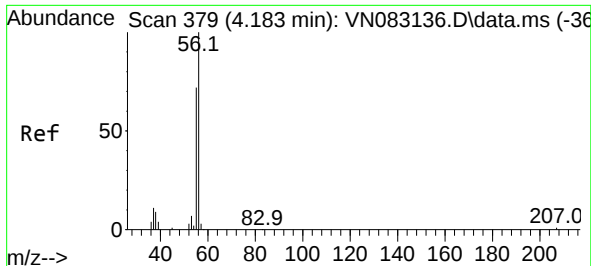
Tgt Ion: 64 Resp: 641
Ion Ratio Lower Upper
64 100
66 20.2 26.6 40.0#



#11
Tert butyl alcohol
Concen: 9.519 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.041 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

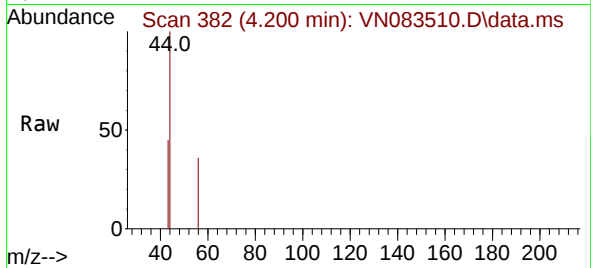
Tgt Ion: 59 Resp: 3268
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



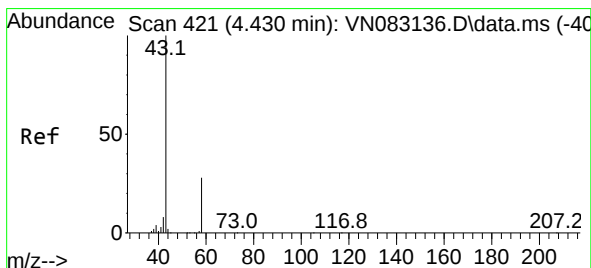
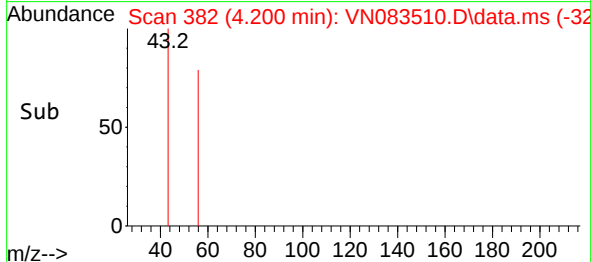
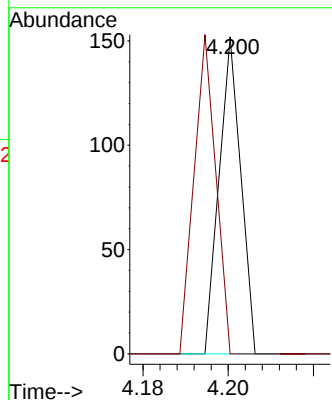


#13
Acrolein
Concen: 0.241 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.018 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

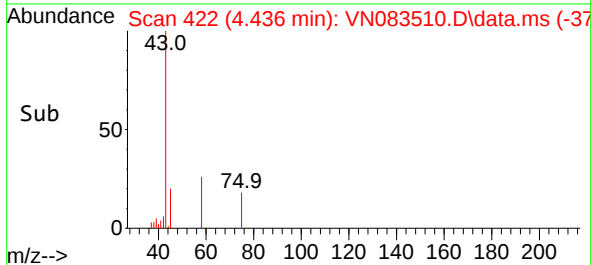
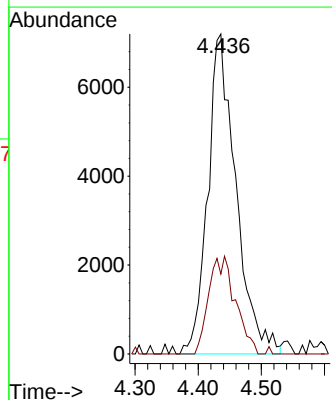
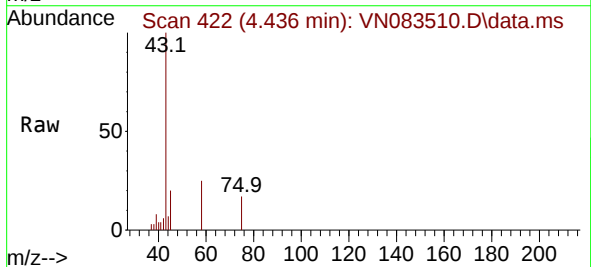


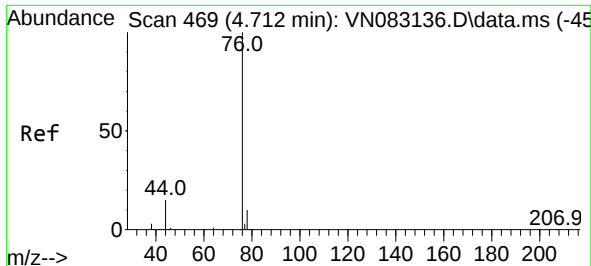
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 100.0 56.4 84.6#



#16
Acetone
Concen: 34.465 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

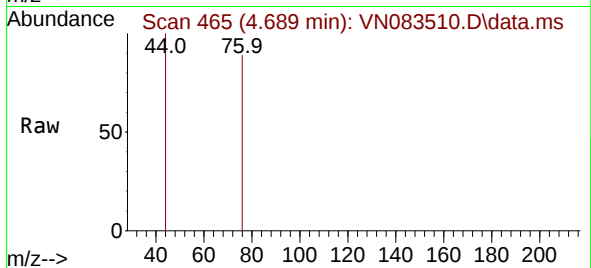
Tgt Ion: 43 Resp: 22278
Ion Ratio Lower Upper
43 100
58 25.0 21.8 32.6



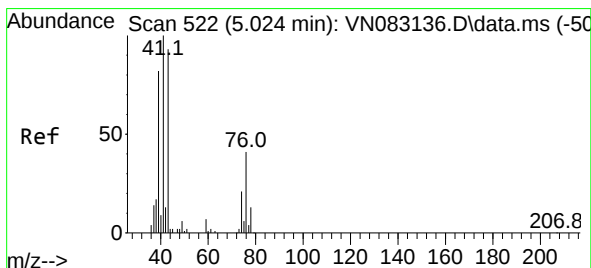
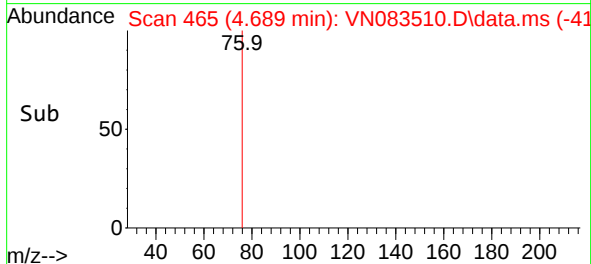
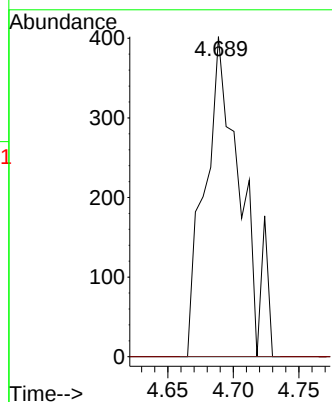


#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 4.689 min Scan# 465
Delta R.T. -0.024 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

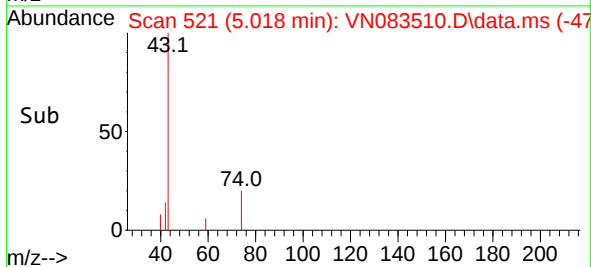
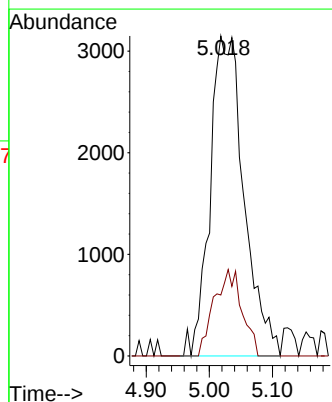
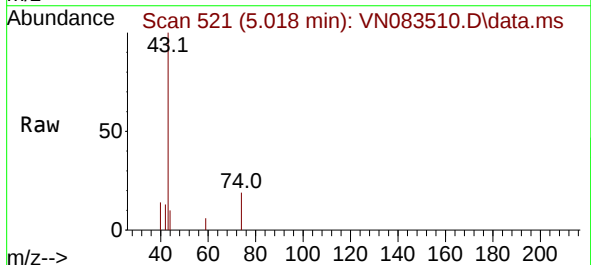


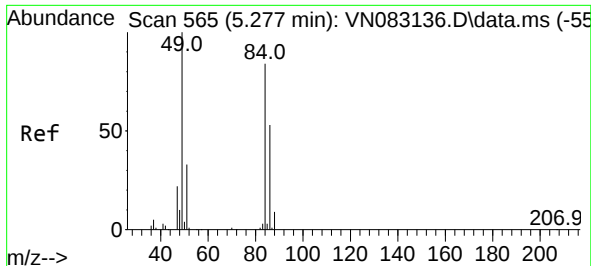
Tgt Ion: 76 Resp: 765
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 6.099 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

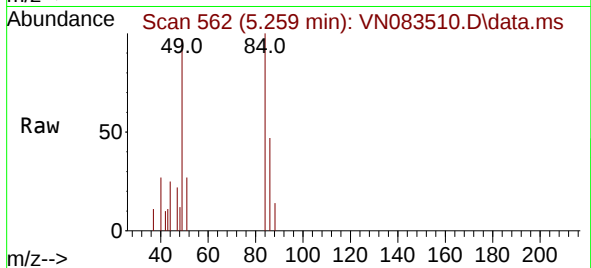
Tgt Ion: 43 Resp: 11746
Ion Ratio Lower Upper
43 100
74 22.1 16.3 24.5



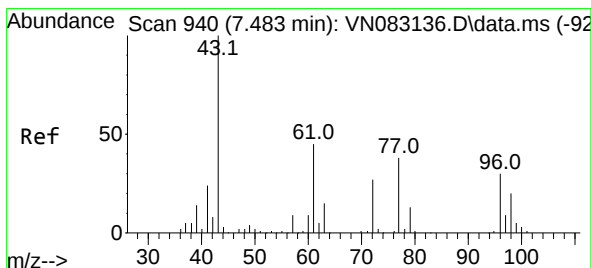
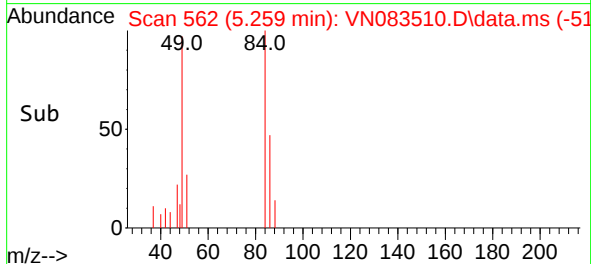
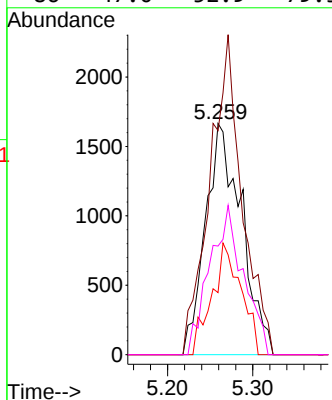


#20
Methylene Chloride
Concen: 3.288 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

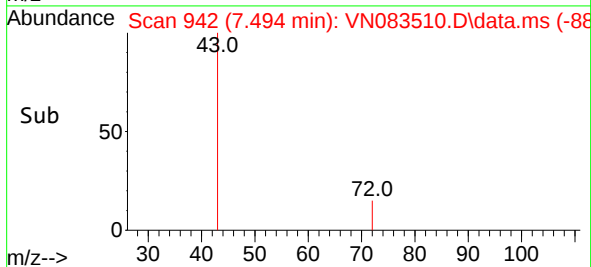
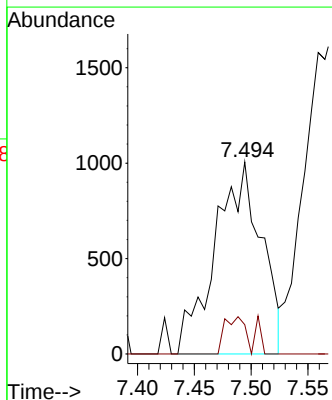
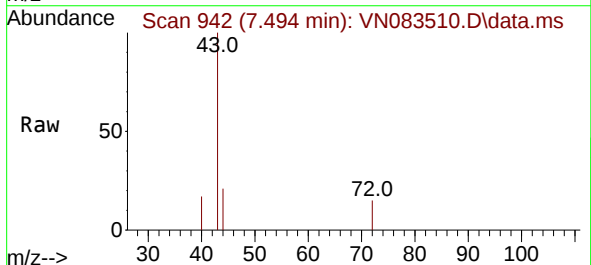


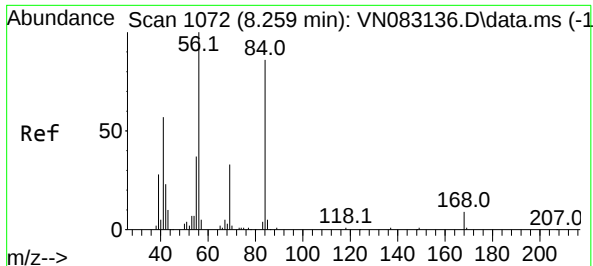
Tgt Ion: 84 Resp: 4892
Ion Ratio Lower Upper
84 100
49 96.9 119.6 179.4#
51 26.8 34.8 52.2#
86 47.0 52.9 79.3#



#25
2-Butanone
Concen: 2.875 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

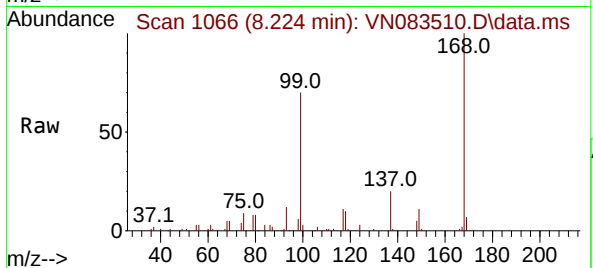
Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
72 15.3 18.2 27.2#



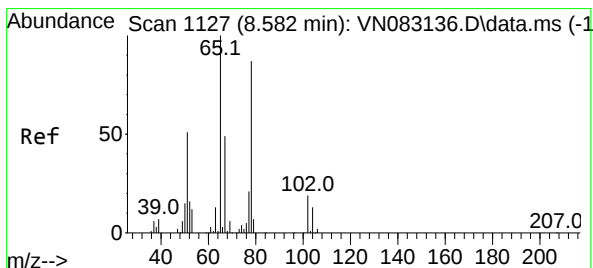
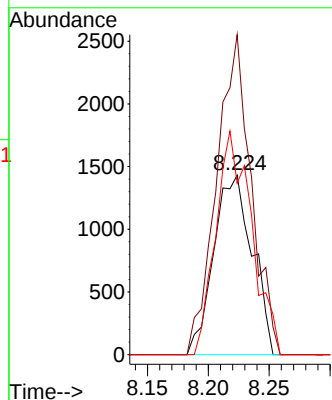
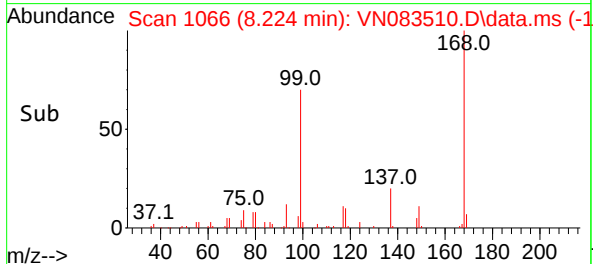


#31
Cyclohexane
Concen: 1.287 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

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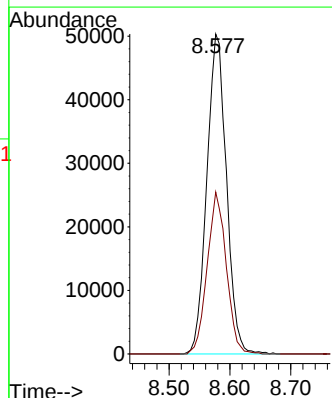
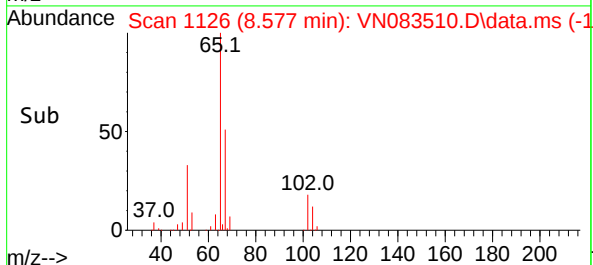
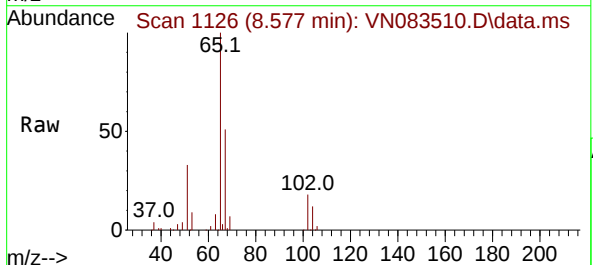


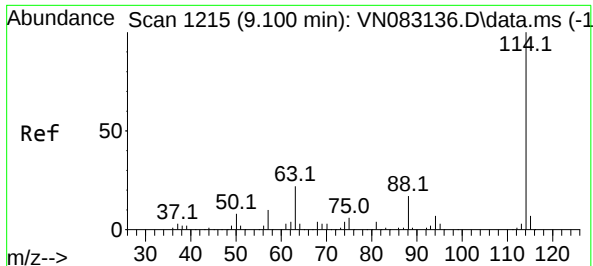
Tgt Ion: 56 Resp: 3150
Ion Ratio Lower Upper
56 100
69 178.2 24.5 36.7#
84 95.4 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 68.176 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Tgt Ion: 65 Resp: 112622
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083510.D

Acq: 27 Aug 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

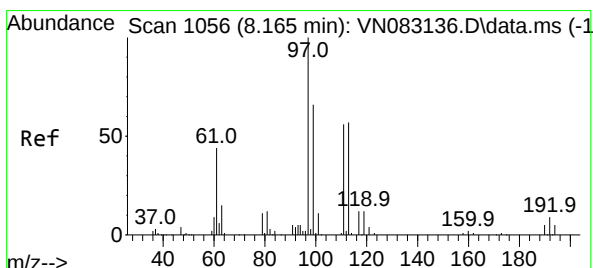
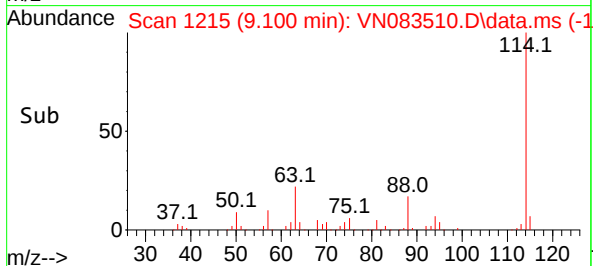
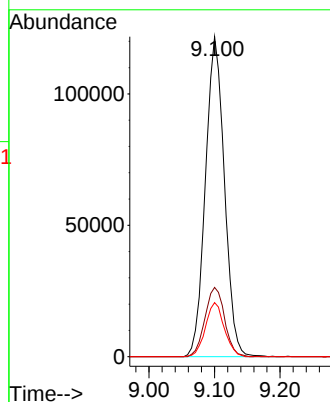
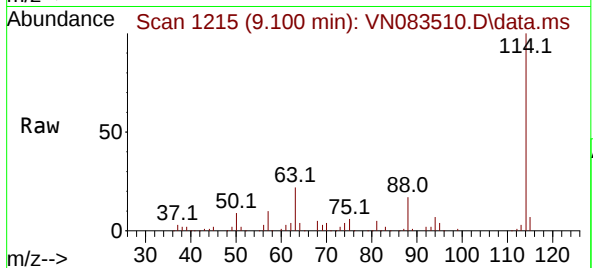
Tgt Ion:114 Resp: 245294

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 16.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 57.635 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083510.D

Acq: 27 Aug 2024 15:29

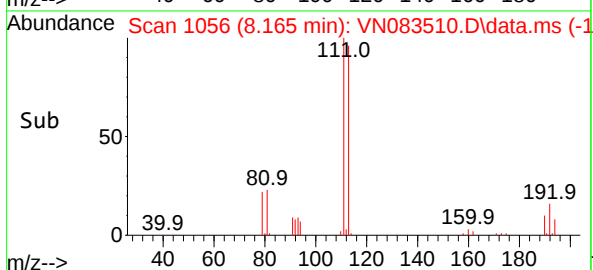
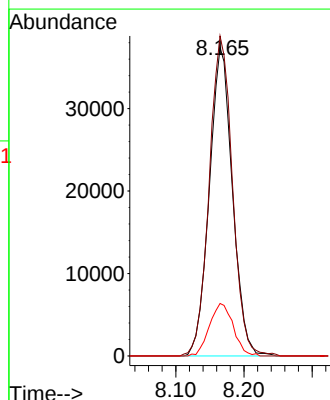
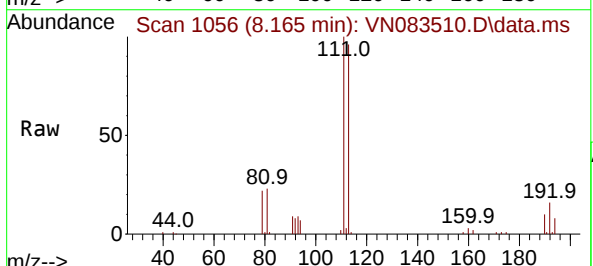
Tgt Ion:113 Resp: 88244

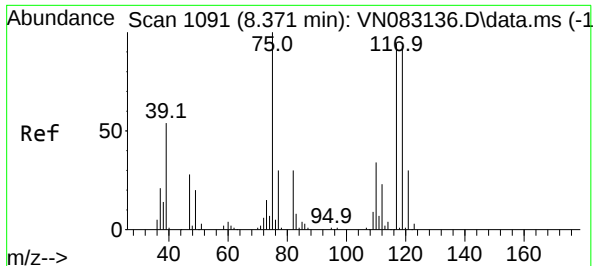
Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

192 17.5 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.485 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

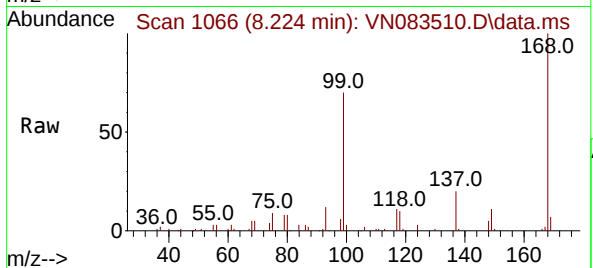
Lab File: VN083510.D

Acq: 27 Aug 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :



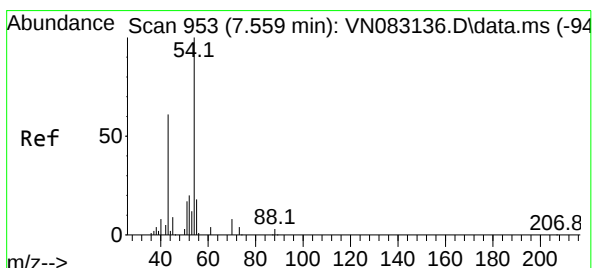
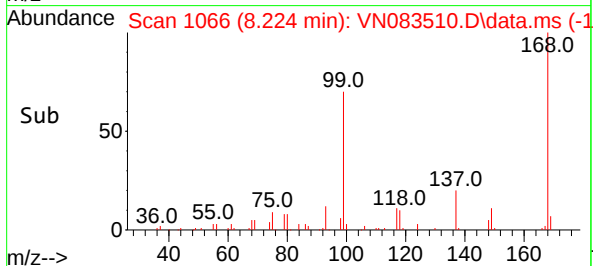
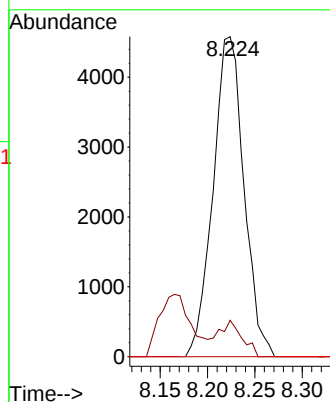
Tgt Ion: 75 Resp: 10388

Ion Ratio Lower Upper

75 100

110 8.8 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.605 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN083510.D

Acq: 27 Aug 2024 15:29

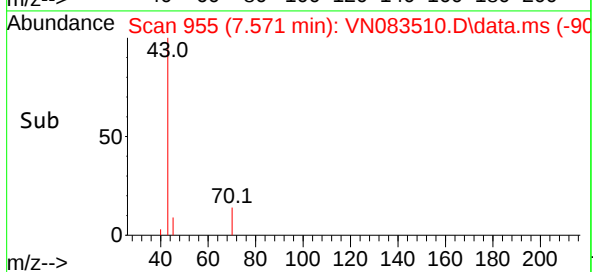
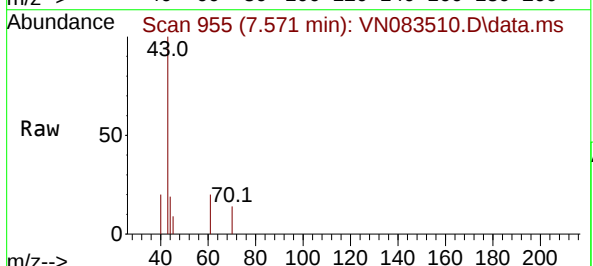
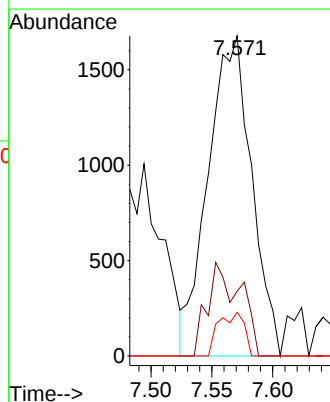
Tgt Ion: 43 Resp: 4163

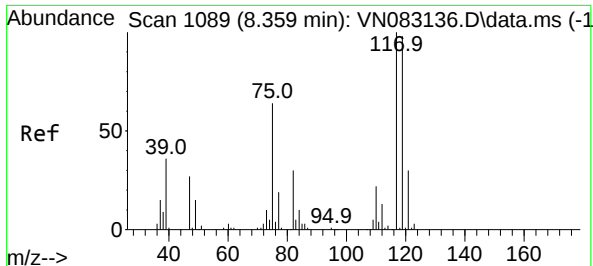
Ion Ratio Lower Upper

43 100

61 22.1 9.3 13.9#

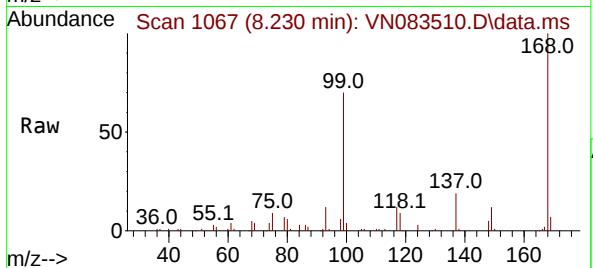
70 8.0 7.0 10.6



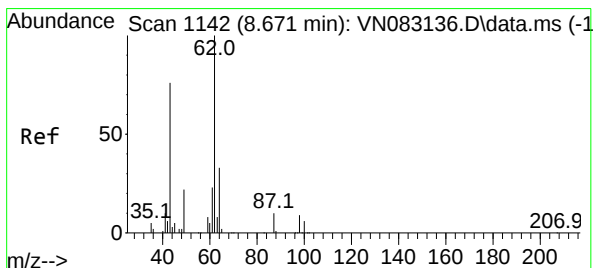
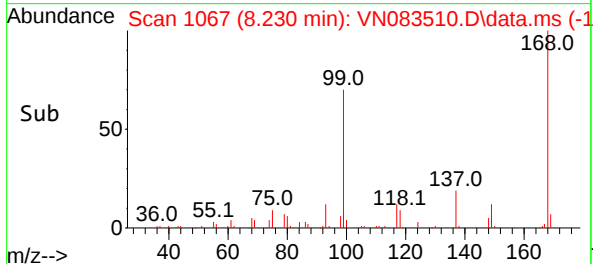
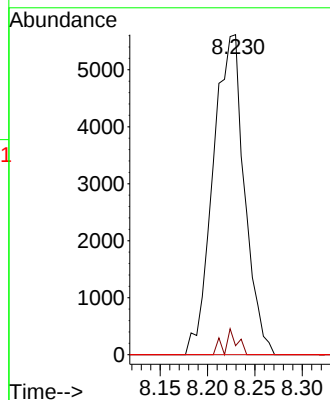


#38
Carbon Tetrachloride
Concen: 4.967 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

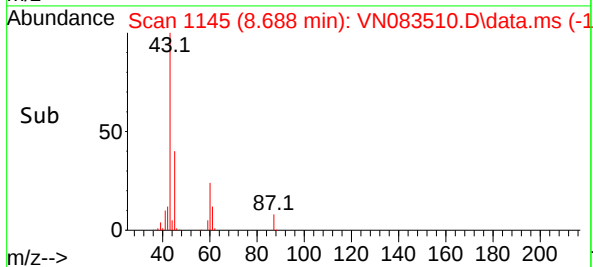
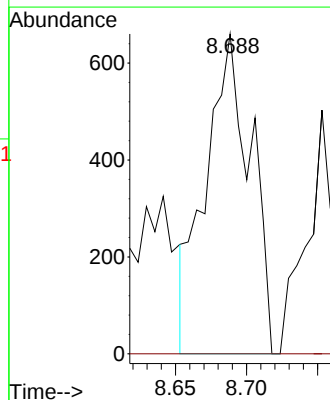
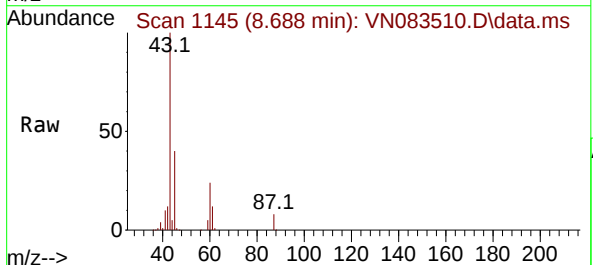


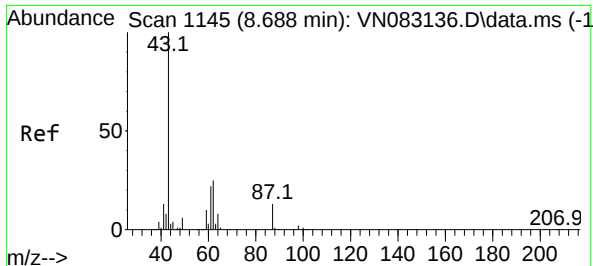
Tgt Ion:117 Resp: 12957
Ion Ratio Lower Upper
117 100
119 2.8 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.577 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

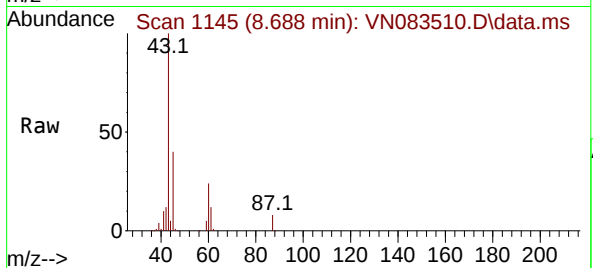
Tgt Ion: 62 Resp: 1449
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



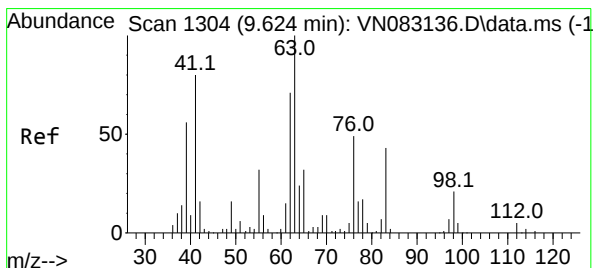
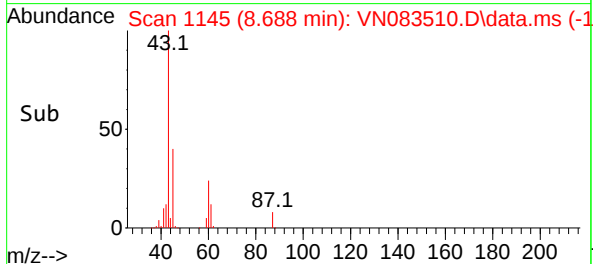
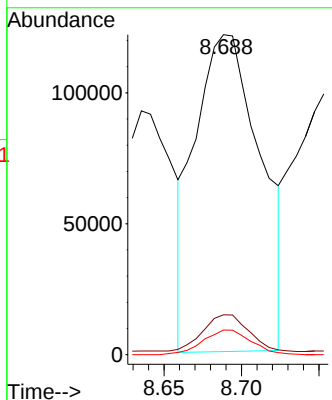


#43
Isopropyl Acetate
Concen: 81.806 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

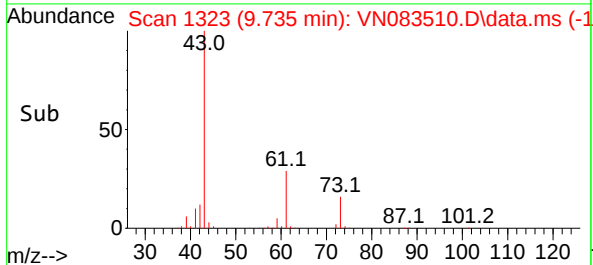
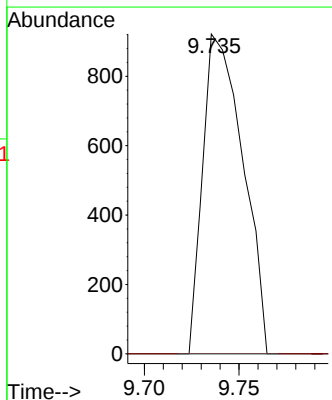
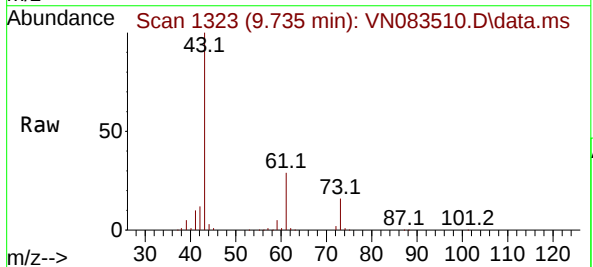


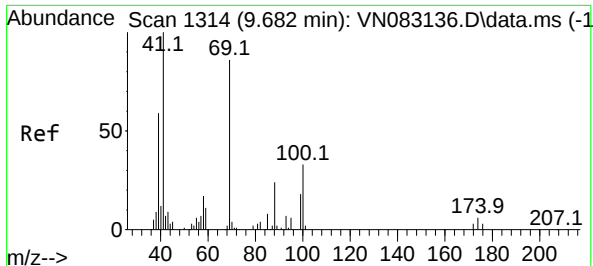
Tgt Ion: 43 Resp: 355063
Ion Ratio Lower Upper
43 100
61 10.8 17.8 26.6#
87 5.7 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.828 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

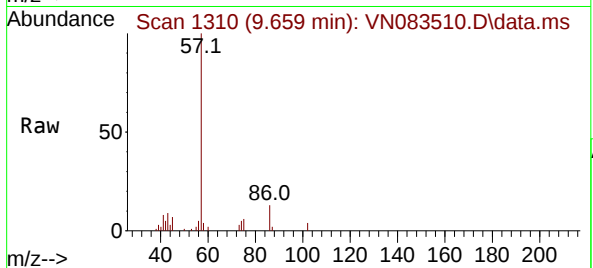
Tgt Ion: 63 Resp: 1356
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



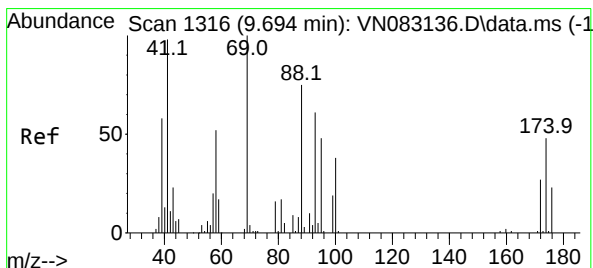
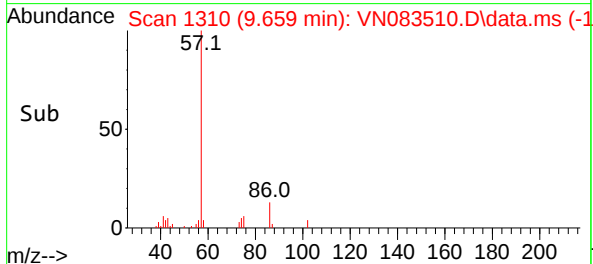
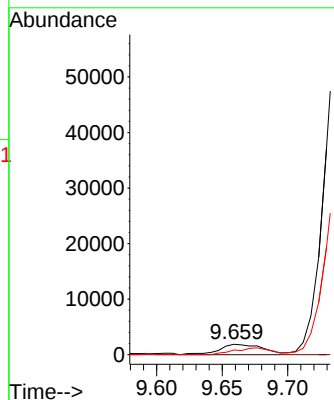


#48
Methyl methacrylate
Concen: 2.004 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

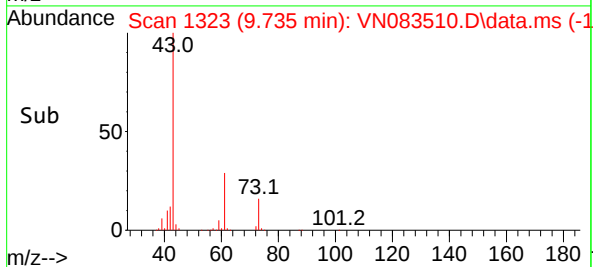
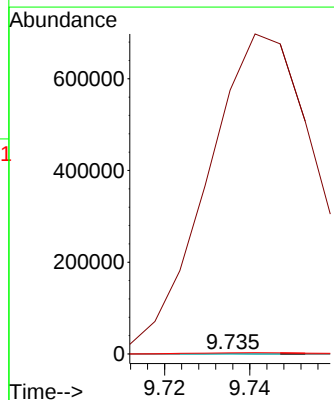
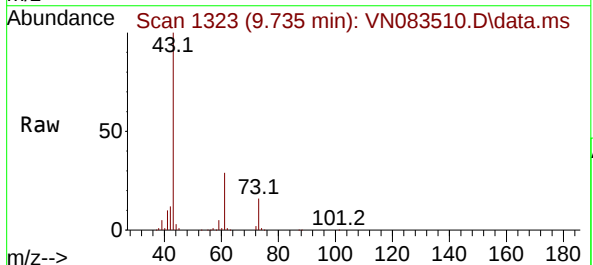


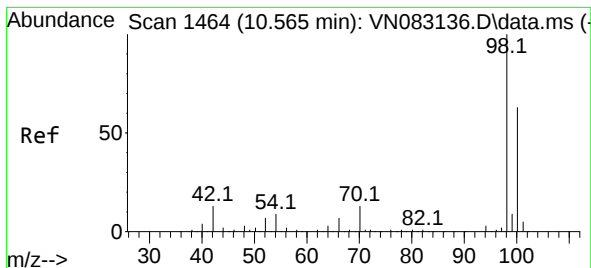
Tgt Ion: 41 Resp: 4297
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 54.5 50.3 75.5



#49
1,4-Dioxane
Concen: 1.706 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 1945716.7 27.8 41.8#
58 8298.5 59.4 89.0#





#50

Toluene-d8

Concen: 57.391 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083510.D

Acq: 27 Aug 2024 15:29

Instrument :

MSVOA_N

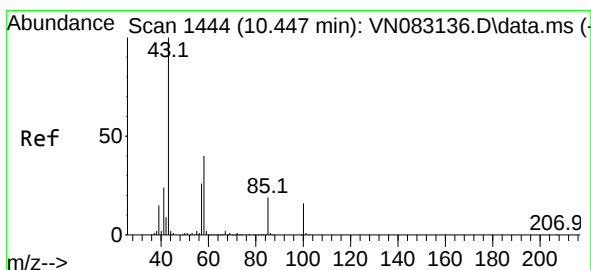
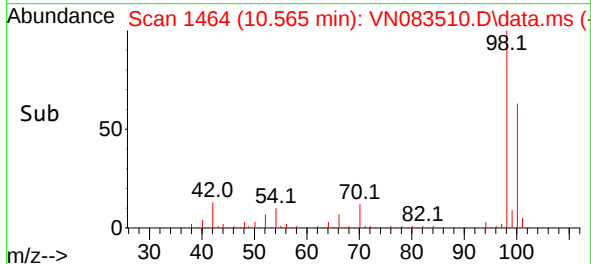
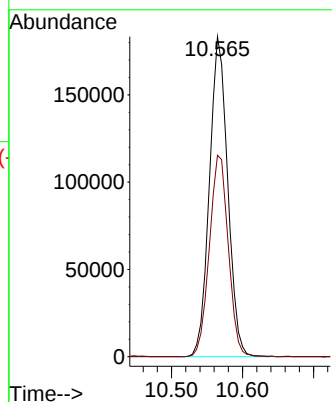
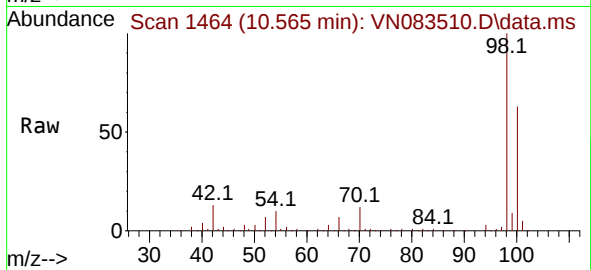
ClientSampleId :

Tgt Ion: 98 Resp: 327773

Ion Ratio Lower Upper

98 100

100 65.1 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 47.396 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. -0.088 min

Lab File: VN083510.D

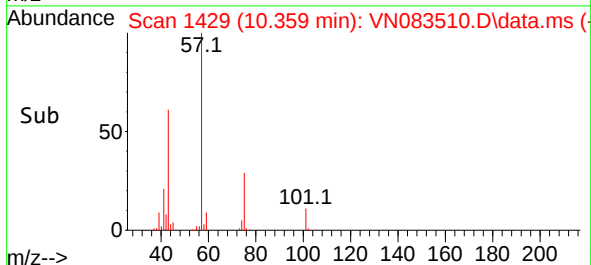
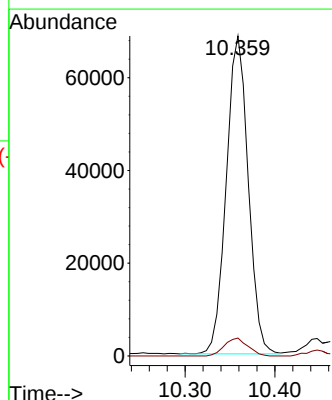
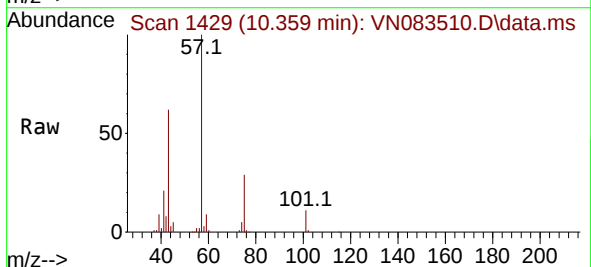
Acq: 27 Aug 2024 15:29

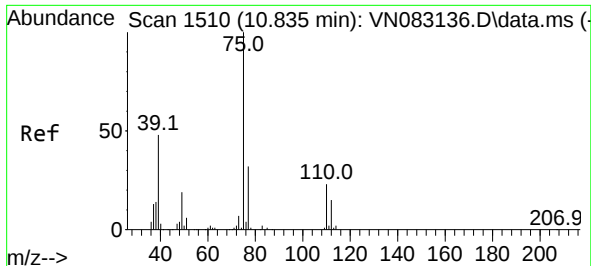
Tgt Ion: 43 Resp: 116227

Ion Ratio Lower Upper

43 100

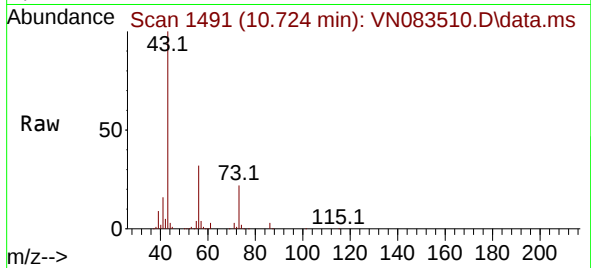
58 6.0 28.2 42.4#



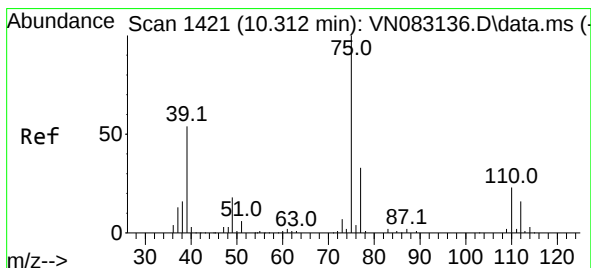
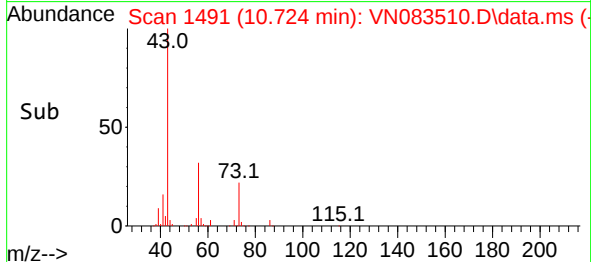
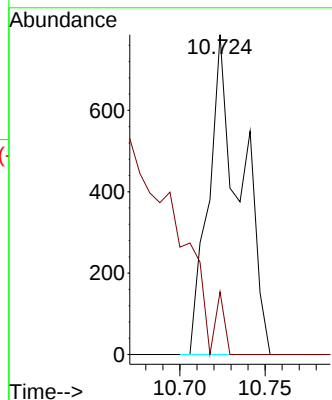


#53
 t-1,3-Dichloropropene
 Concen: 0.382 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN083510.D
 Acq: 27 Aug 2024 15:29

Instrument :
 MSVOA_N
 ClientSampleId :

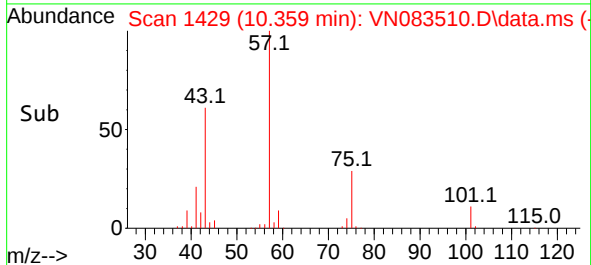
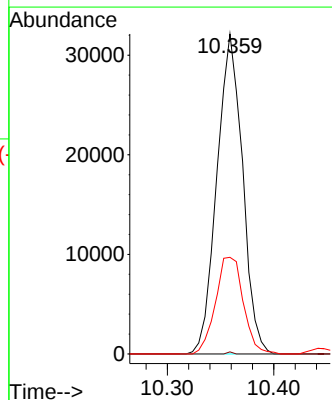
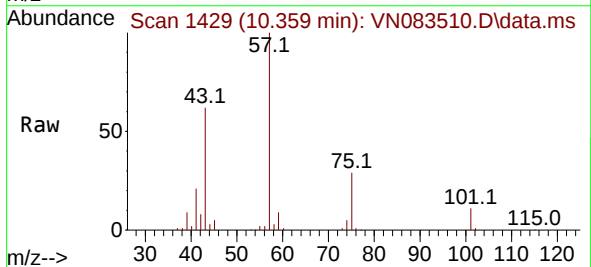


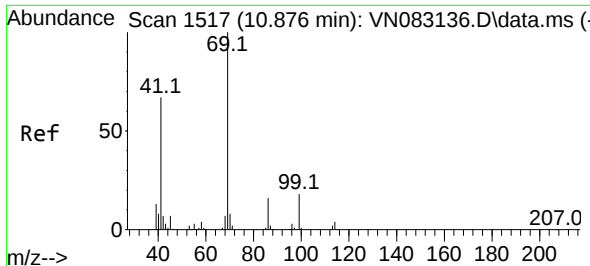
Tgt Ion: 75 Resp: 1033
 Ion Ratio Lower Upper
 75 100
 77 19.6 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.639 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083510.D
 Acq: 27 Aug 2024 15:29

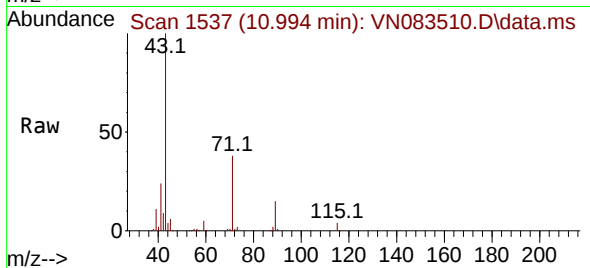
Tgt Ion: 75 Resp: 53604
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.3 36.5#
 39 30.2 50.5 75.7#



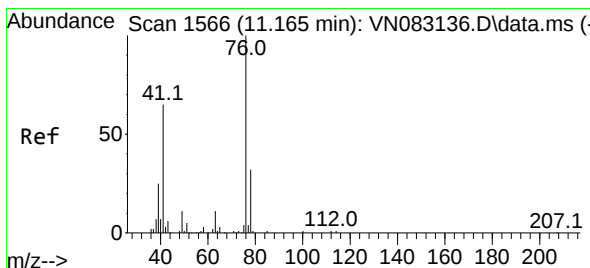
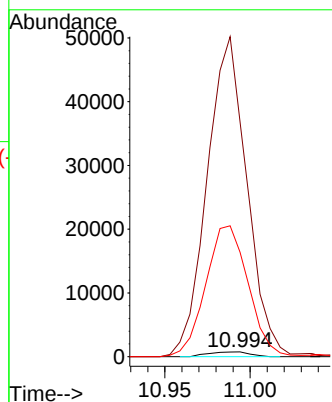
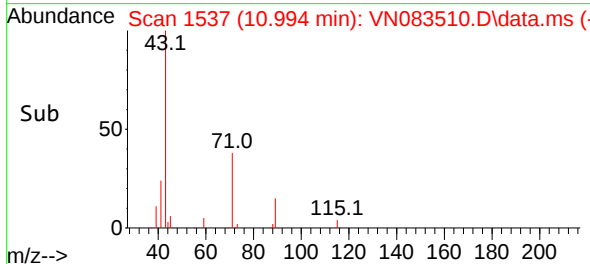


#56
Ethyl methacrylate
Concen: 0.432 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

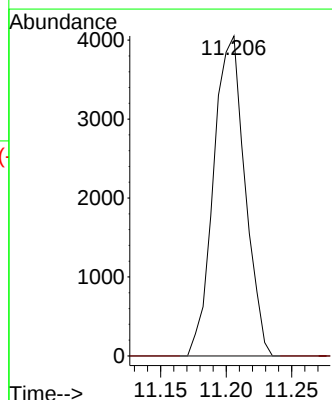
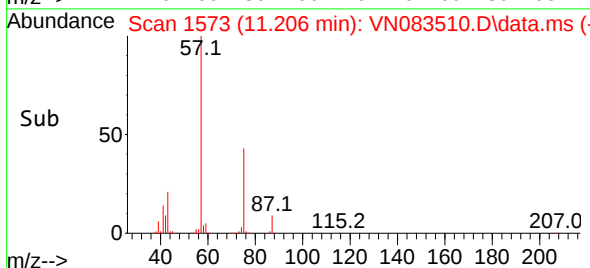
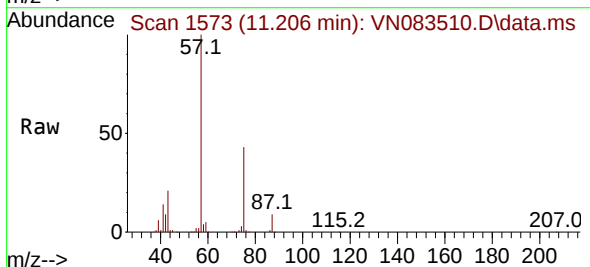


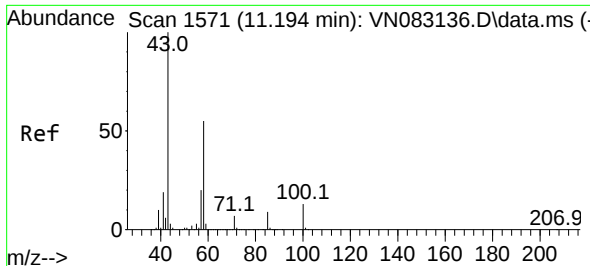
Tgt Ion: 69 Resp: 1273
Ion Ratio Lower Upper
69 100
41 6438.6 63.4 95.2#
39 2796.9 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.420 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Tgt Ion: 76 Resp: 6738
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

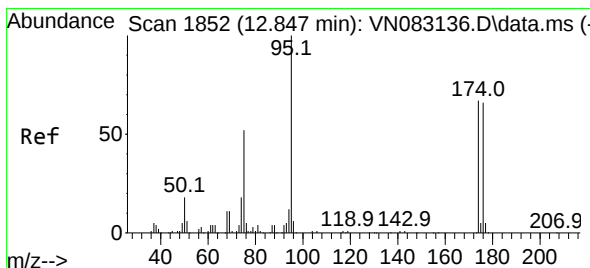
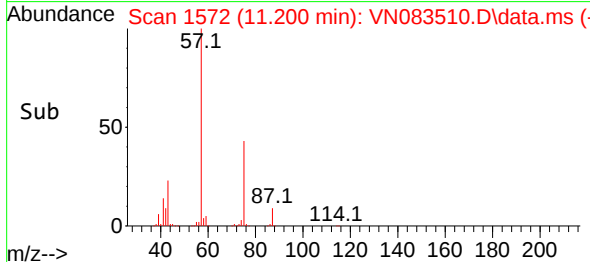
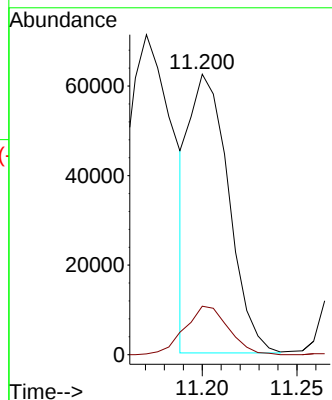
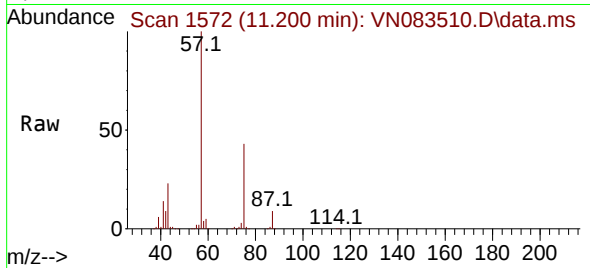




#59
2-Hexanone
Concen: 47.311 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

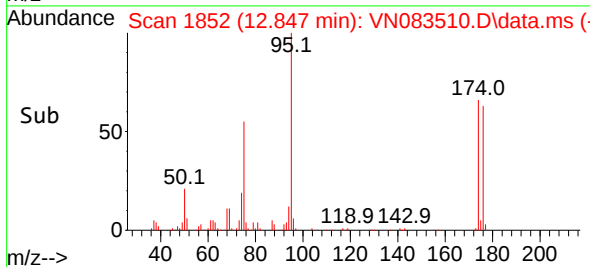
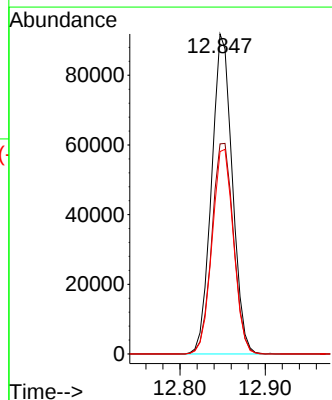
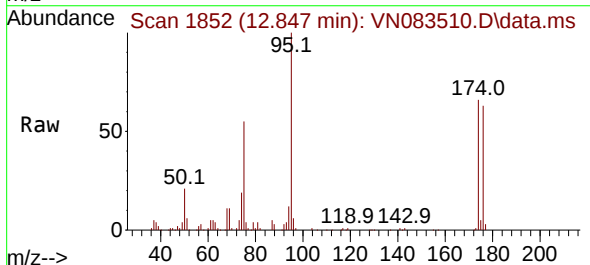
Instrument :
MSVOA_N
ClientSampleId :

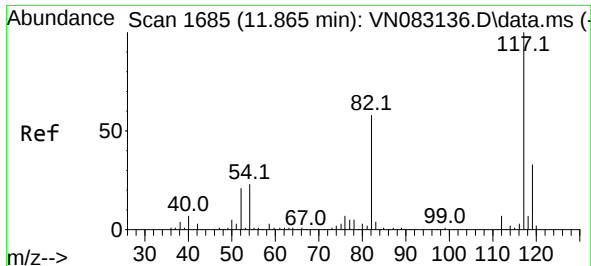
Tgt Ion: 43 Resp: 89757
Ion Ratio Lower Upper
43 100
58 19.4 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 69.719 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

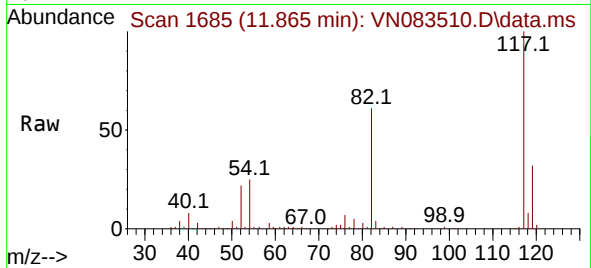
Tgt Ion: 95 Resp: 155235
Ion Ratio Lower Upper
95 100
174 69.1 0.0 159.2
176 66.0 0.0 147.6



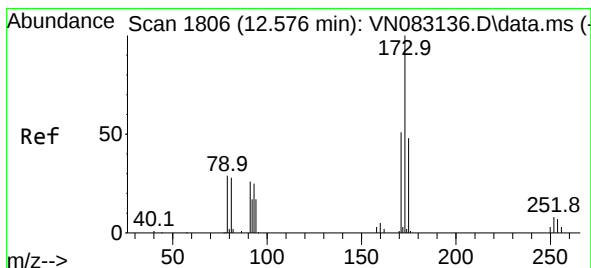
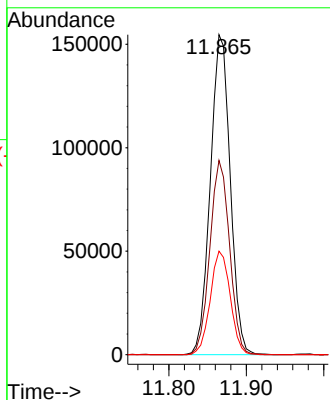
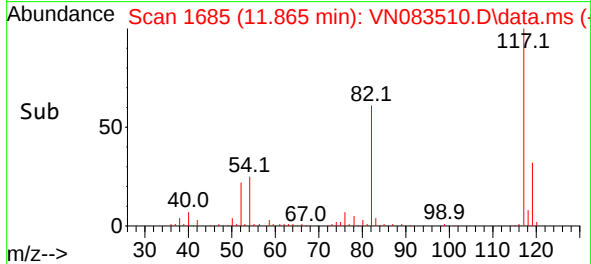


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

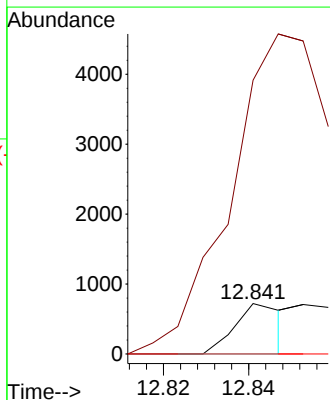
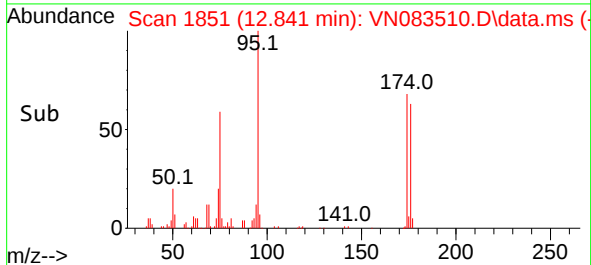
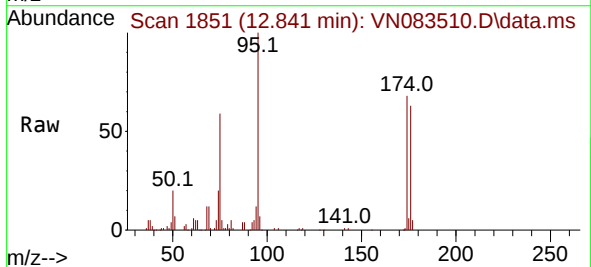


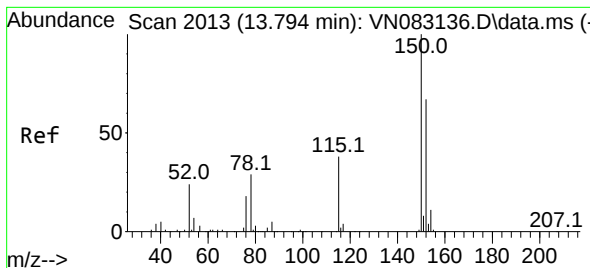
Tgt Ion:117 Resp: 275564
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.352 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

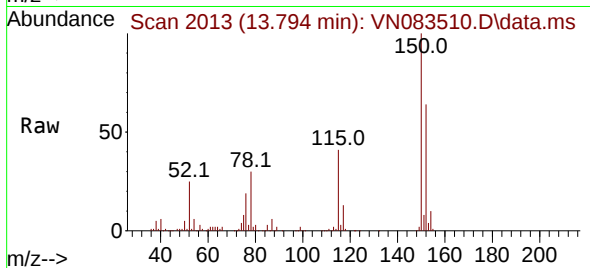
Tgt Ion:173 Resp: 572
Ion Ratio Lower Upper
173 100
175 1034.3 24.0 72.0#
254 0.0 0.0 0.0



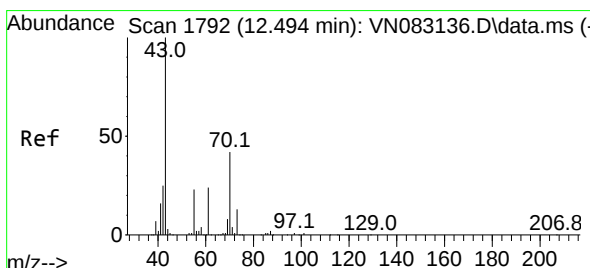
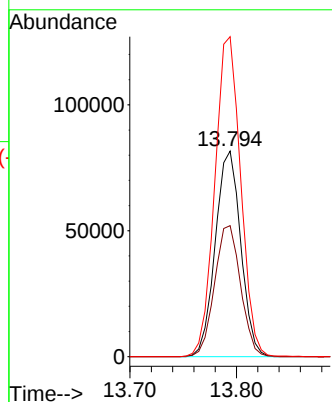
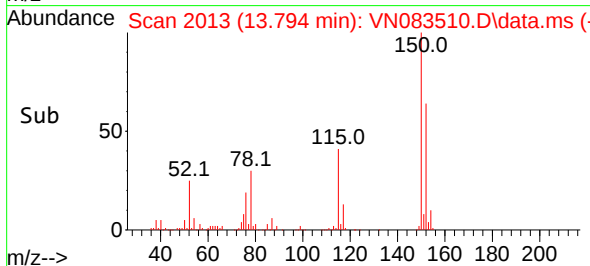


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

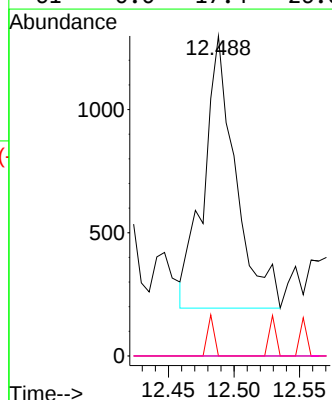
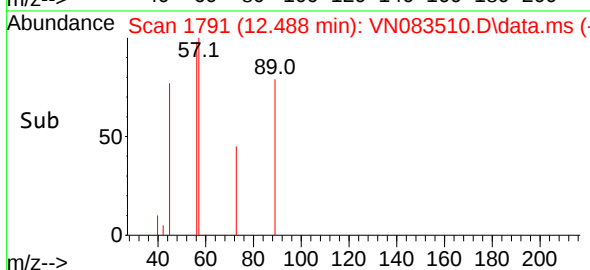
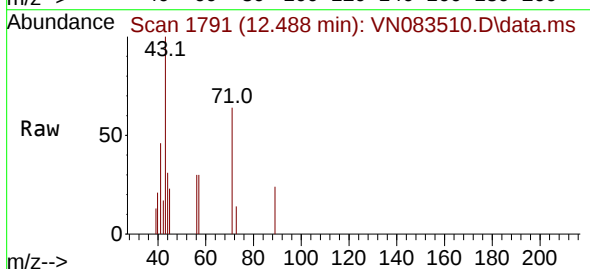


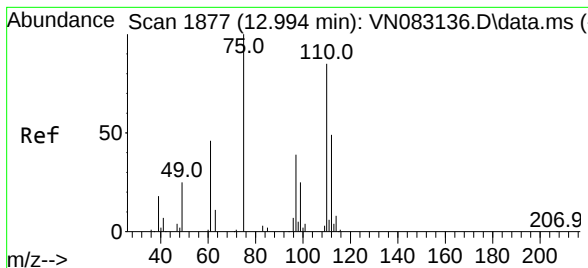
Tgt Ion:152 Resp: 135306
Ion Ratio Lower Upper
152 100
115 65.2 30.6 91.6
150 158.2 0.0 348.6



#74
N-ethyl acetate
Concen: 0.337 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083510.D
Acq: 27 Aug 2024 15:29

Tgt Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 3.2 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 28.890 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083510.D

Acq: 27 Aug 2024 15:29

Instrument :

MSVOA_N

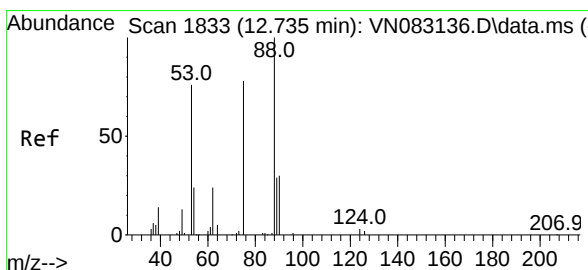
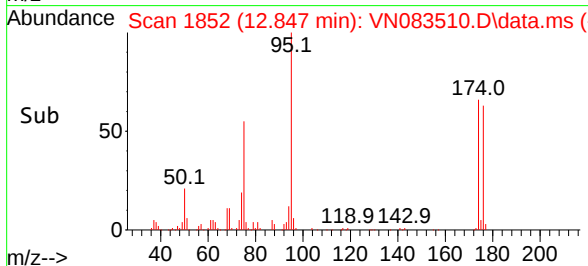
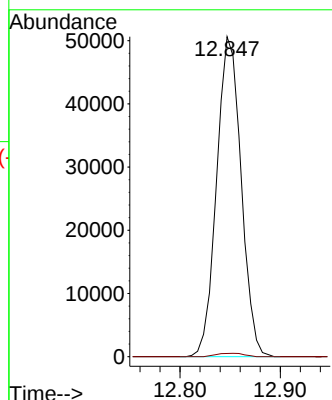
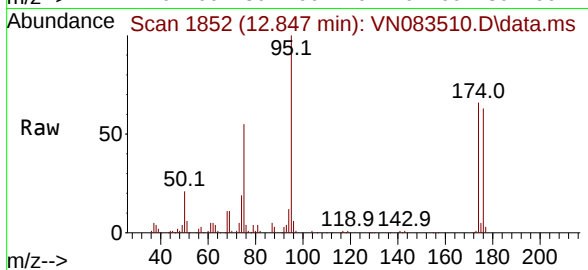
ClientSampleId :

Tgt Ion: 75 Resp: 85794

Ion Ratio Lower Upper

75 100

77 1.2 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.844 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083510.D

Acq: 27 Aug 2024 15:29

Tgt Ion: 75 Resp: 85794

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

