

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083506.D
 Acq On : 27 Aug 2024 13:52
 Operator : JC\MD
 Sample : PB162992ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:45:40 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

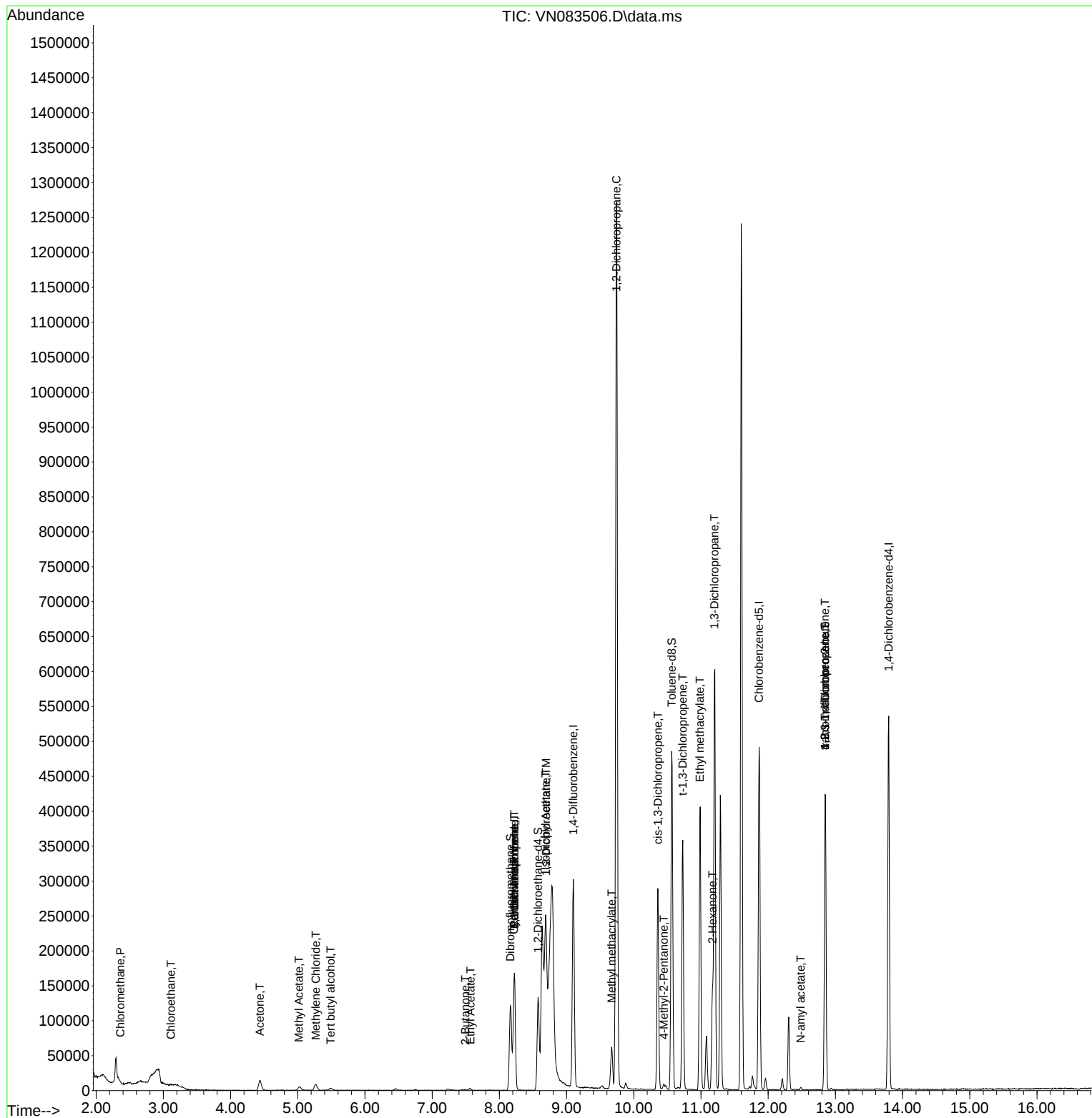
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	116079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111843	67.691	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 135.380%#		
35) Dibromofluoromethane	8.165	113	88958	58.165	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 116.340%		
50) Toluene-d8	10.565	98	331346	58.079	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 116.160%#		
62) 4-Bromofluorobenzene	12.847	95	154317	69.382	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 138.760%#		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	572	0.424	ug/l #	43
6) Chloroethane	3.112	64	1159	1.347	ug/l #	41
11) Tert butyl alcohol	5.489	59	2800	8.154	ug/l #	71
16) Acetone	4.436	43	20703	32.022	ug/l	96
18) Methyl Acetate	5.018	43	11075	5.749	ug/l	95
20) Methylene Chloride	5.271	84	5941	3.993	ug/l #	84
25) 2-Butanone	7.494	43	2257	2.274	ug/l	98
31) Cyclohexane	8.218	56	3025	1.235	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	10806	4.671	ug/l #	51
37) Ethyl Acetate	7.571	43	3923	1.514	ug/l #	92
38) Carbon Tetrachloride	8.224	117	13930	5.346	ug/l #	18
42) 1,2-Dichloroethane	8.694	62	1908	0.760	ug/l #	78
43) Isopropyl Acetate	8.688	43	313158	71.478	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1596	0.976	ug/l #	44
48) Methyl methacrylate	9.671	41	4160	1.942	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	10014	4.088	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	699	0.259	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	50034	17.417	ug/l #	56
56) Ethyl methacrylate	10.982	69	1141	0.388	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6242	2.244	ug/l #	43
59) 2-Hexanone	11.171	43	118719	62.645	ug/l #	28
74) N-amyl acetate	12.482	43	2238	0.397	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	83779	27.714	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83779	60.285	ug/l #	6

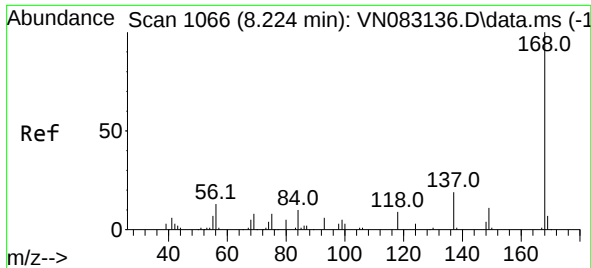
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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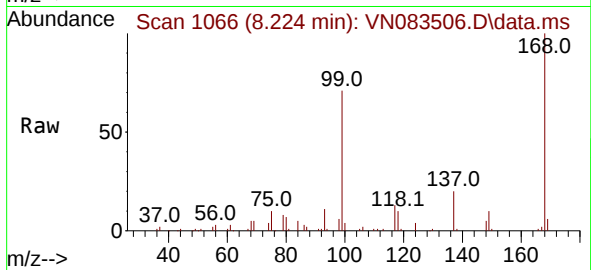
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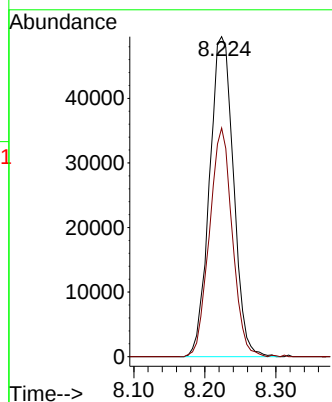
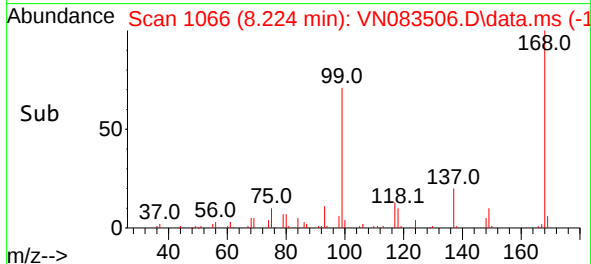


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

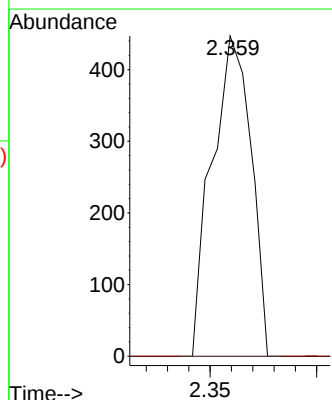
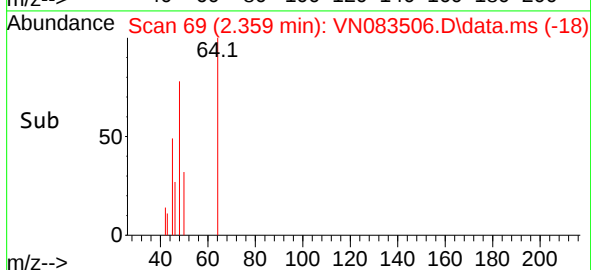
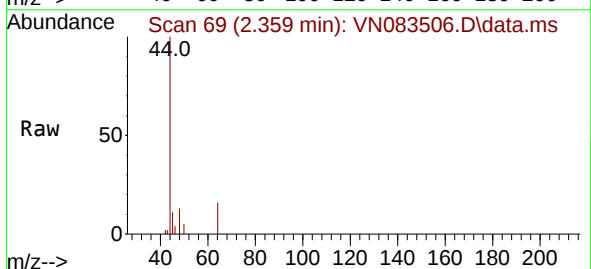


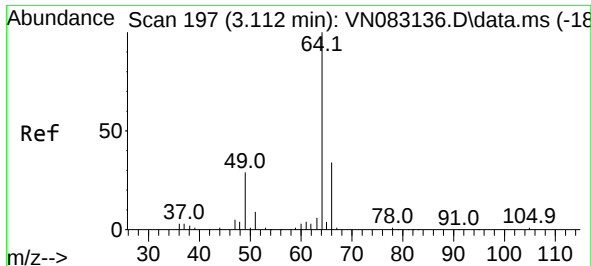
Tgt Ion:168 Resp: 116079
Ion Ratio Lower Upper
168 100
99 71.5 48.2 72.4



#3
Chloromethane
Concen: 0.424 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 50 Resp: 572
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

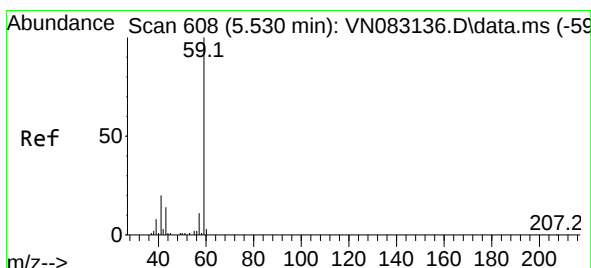
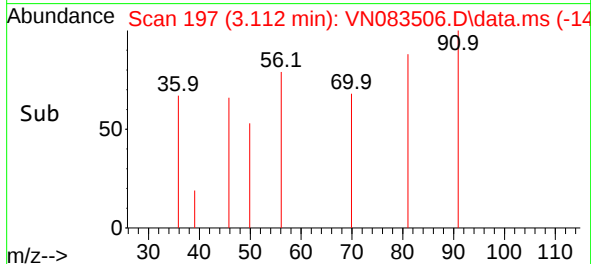
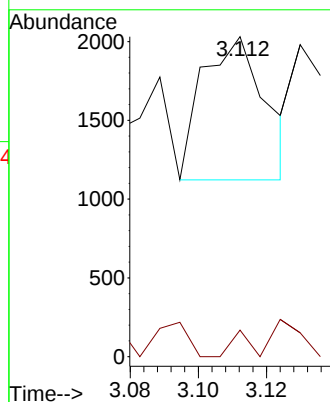
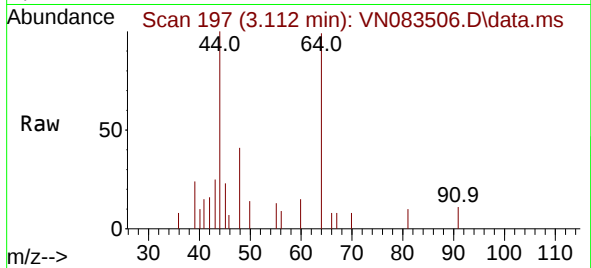




#6
Chloroethane
Concen: 1.347 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

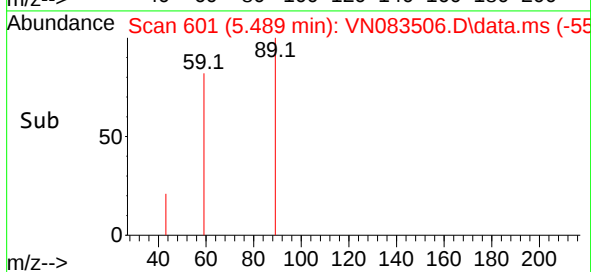
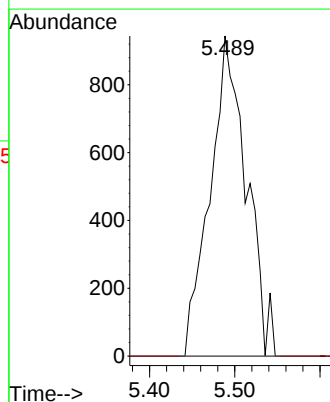
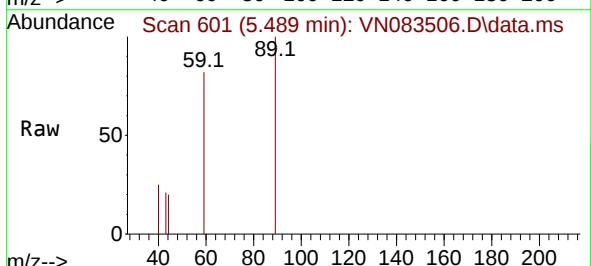
Instrument :
MSVOA_N
ClientSampleId :

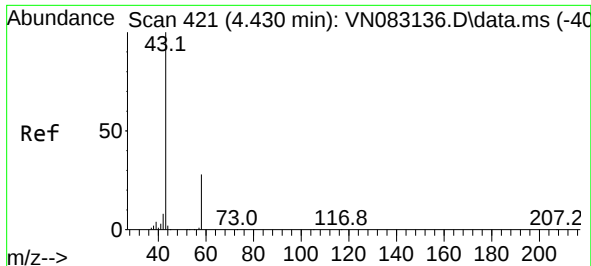
Tgt Ion: 64 Resp: 1159
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 8.154 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.041 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

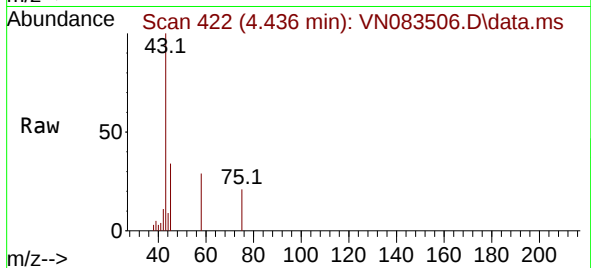
Tgt Ion: 59 Resp: 2800
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



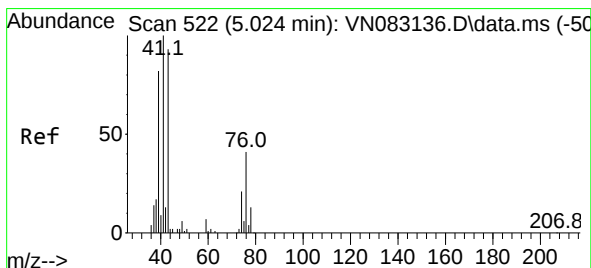
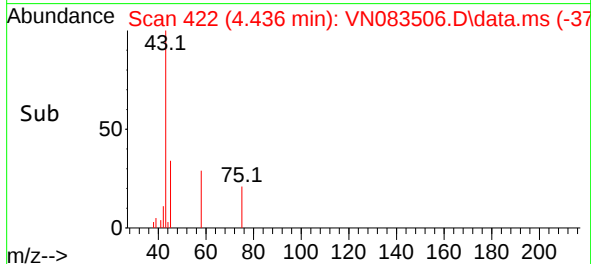
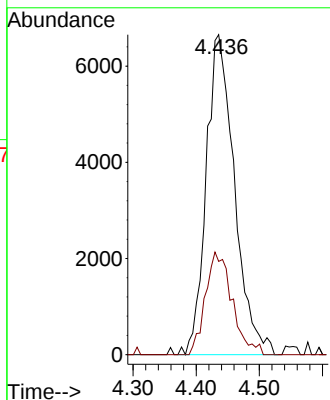


#16
Acetone
Concen: 32.022 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

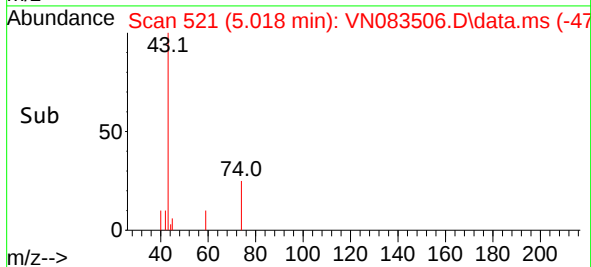
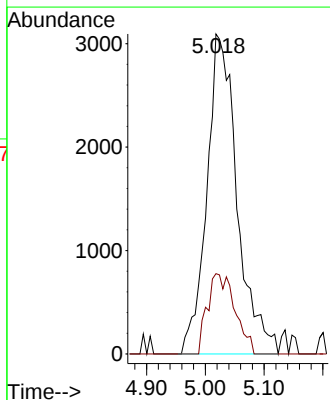
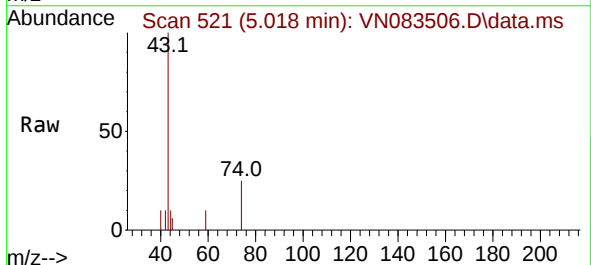


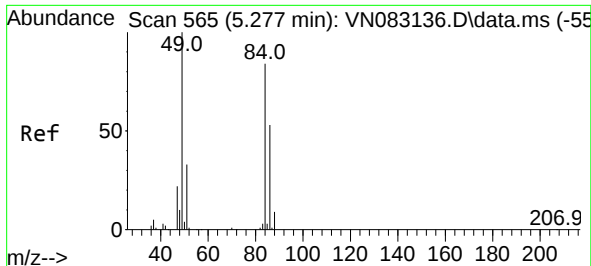
Tgt Ion: 43 Resp: 20703
Ion Ratio Lower Upper
43 100
58 29.2 21.8 32.6



#18
Methyl Acetate
Concen: 5.749 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

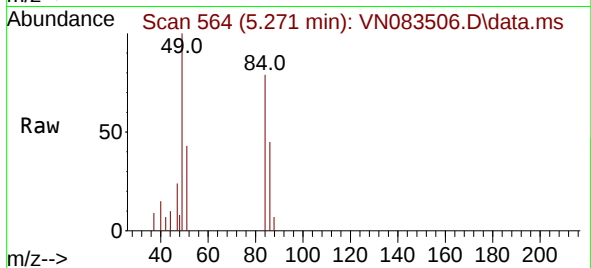
Tgt Ion: 43 Resp: 11075
Ion Ratio Lower Upper
43 100
74 22.8 16.3 24.5



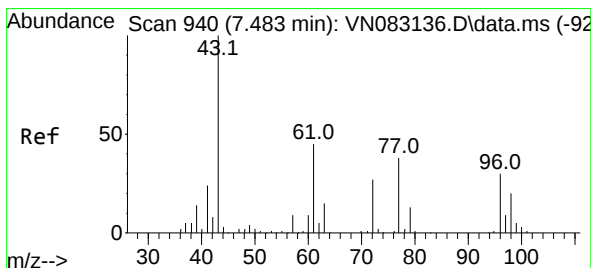
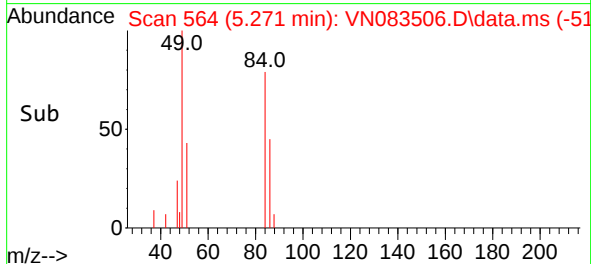
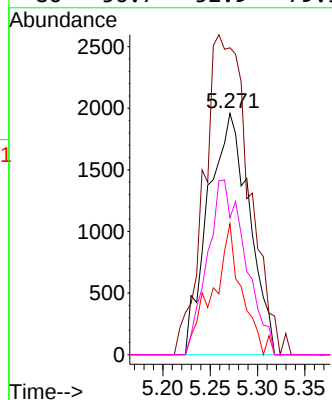


#20
Methylene Chloride
Concen: 3.993 ug/l
RT: 5.271 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

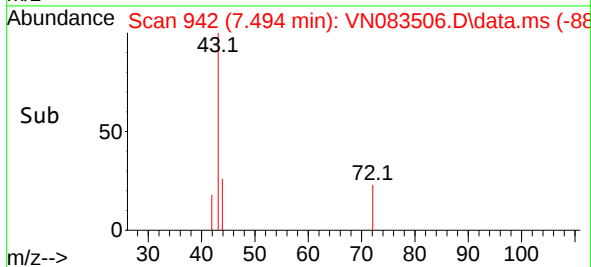
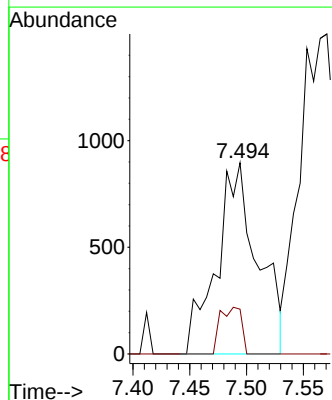
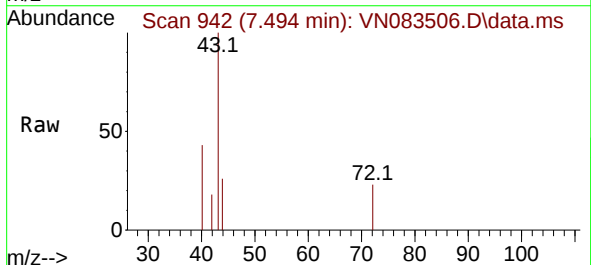


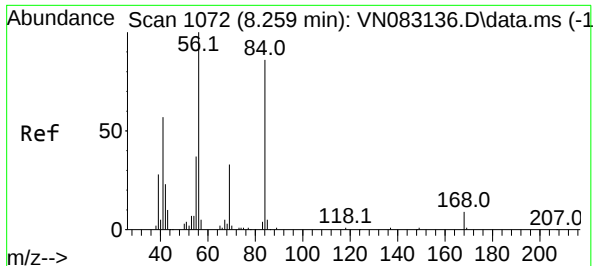
Tgt Ion:	84	Resp:	5941
Ion	Ratio	Lower	Upper
84	100		
49	127.2	119.6	179.4
51	54.2	34.8	52.2#
86	56.7	52.9	79.3



#25
2-Butanone
Concen: 2.274 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

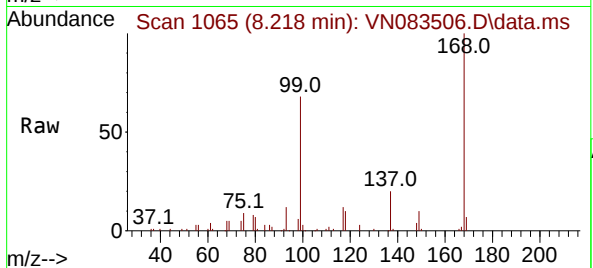
Tgt Ion:	43	Resp:	2257
Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.2	27.2



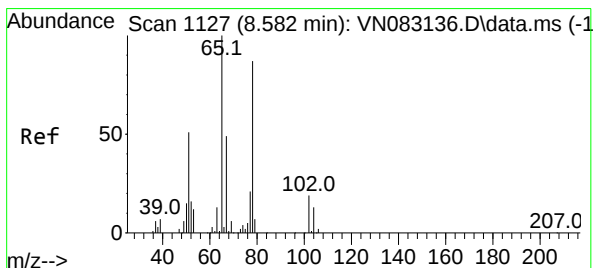
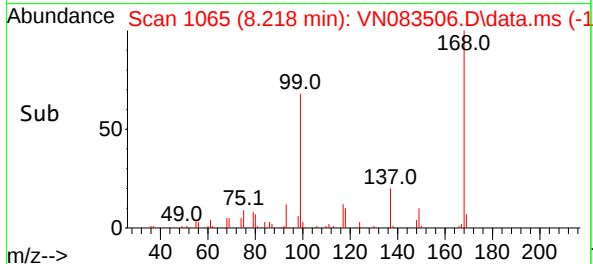
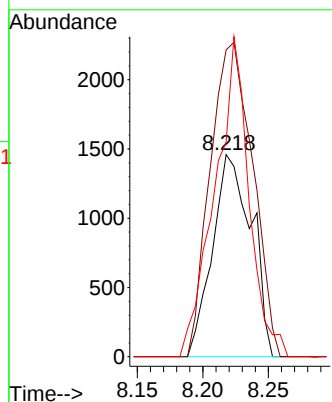


#31
Cyclohexane
Concen: 1.235 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

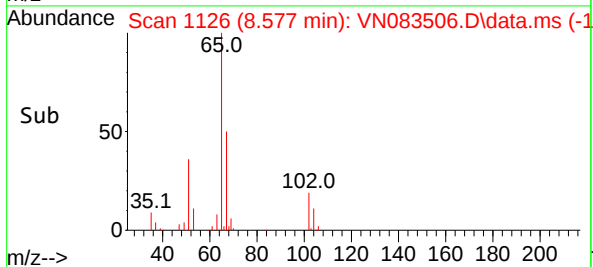
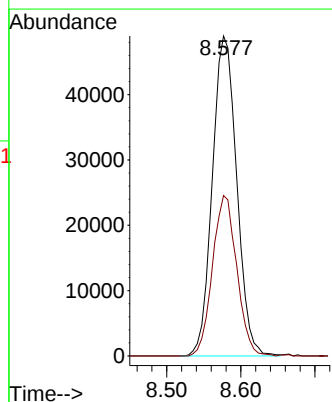
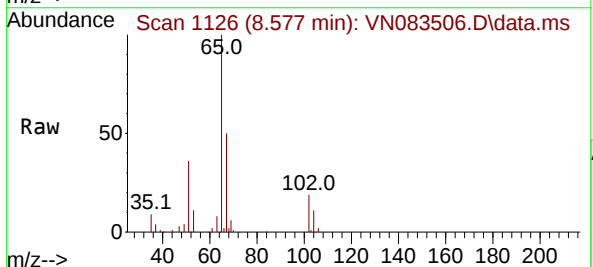


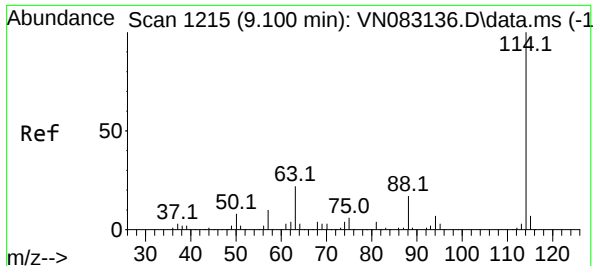
Tgt Ion: 56 Resp: 3025
Ion Ratio Lower Upper
56 100
69 151.7 24.5 36.7#
84 106.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 67.691 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 65 Resp: 111843
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.4

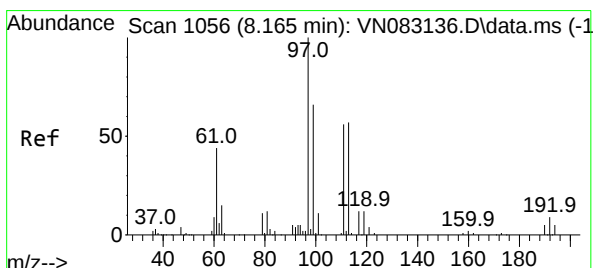
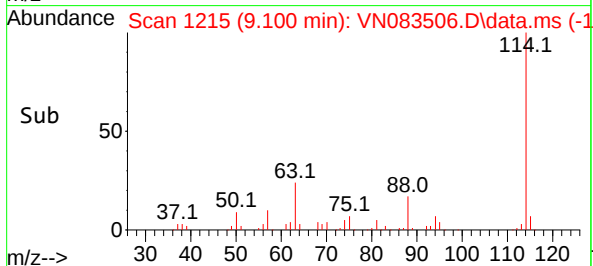
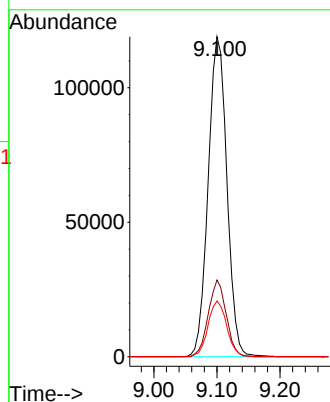
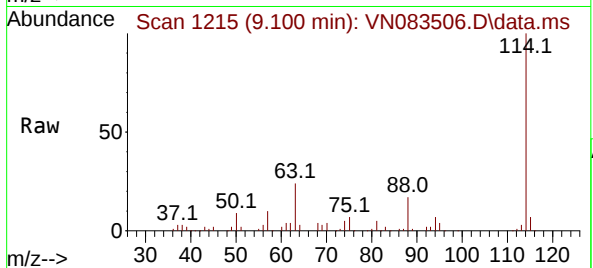




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

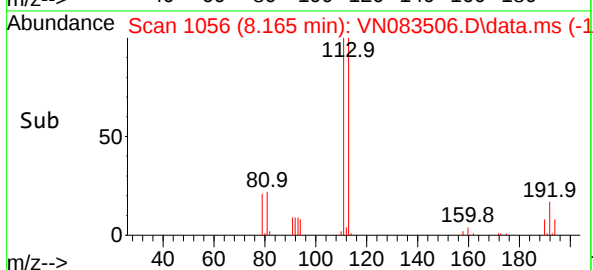
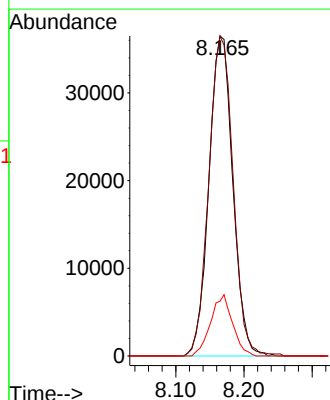
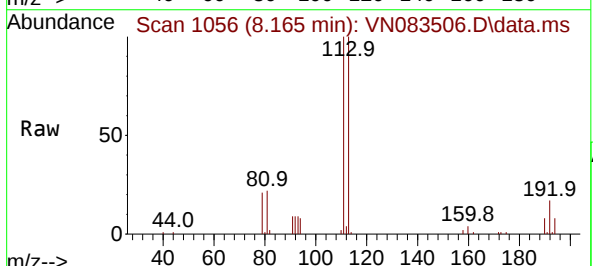
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ClientSampleId :

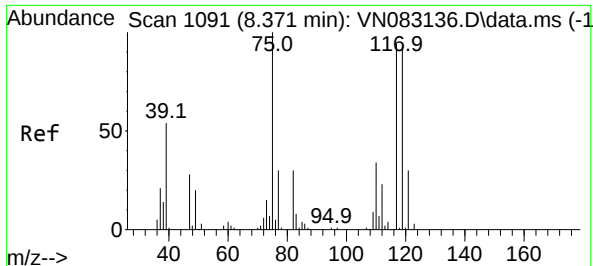
Tgt Ion:114 Resp: 245027
Ion Ratio Lower Upper
114 100
63 23.9 0.0 44.6
88 17.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 58.165 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion:113 Resp: 88958
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 17.6 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

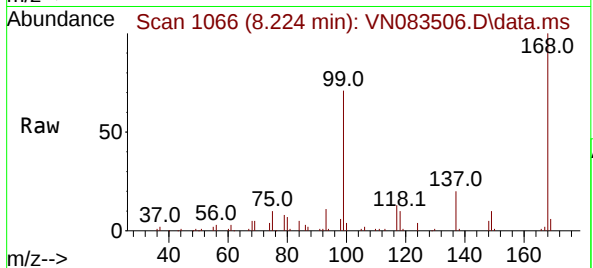
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Acq: 27 Aug 2024 13:52

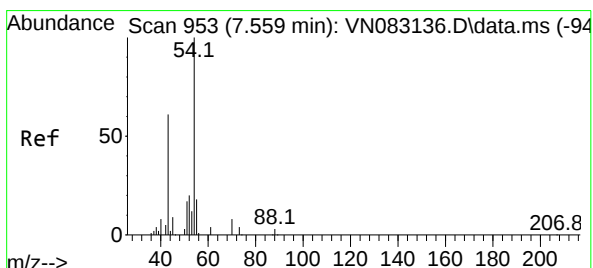
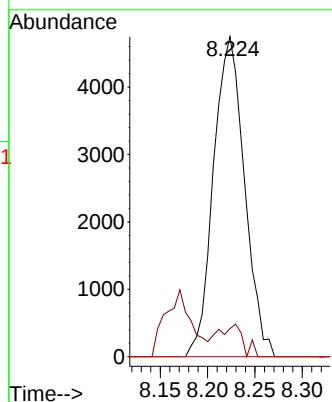
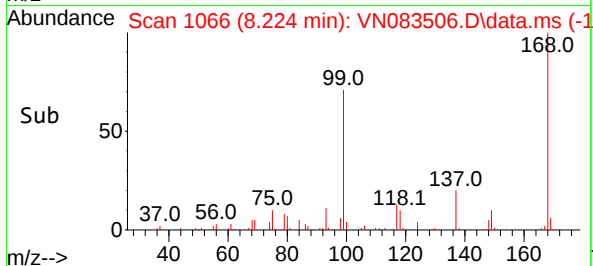
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 10806
Ion Ratio	Lower Upper
75	100
110	8.3 16.3 48.9#
77	0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.514 ug/l

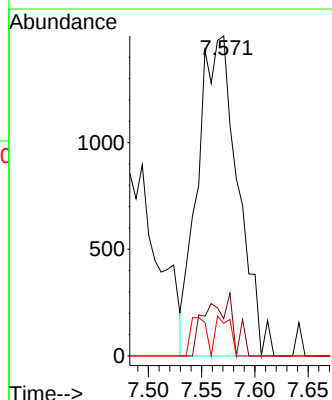
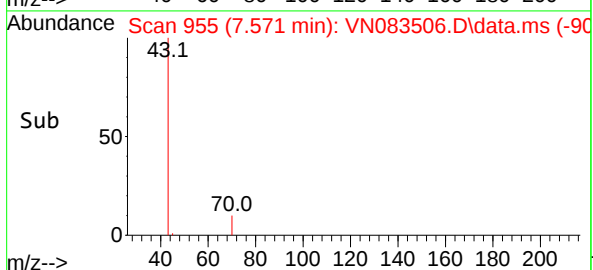
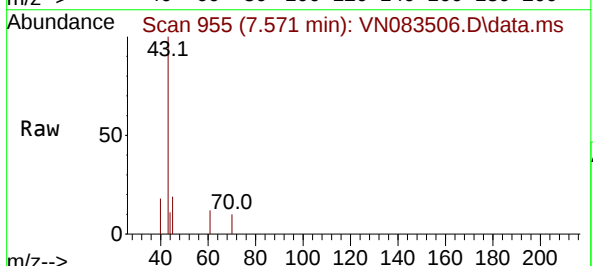
RT: 7.571 min Scan# 955

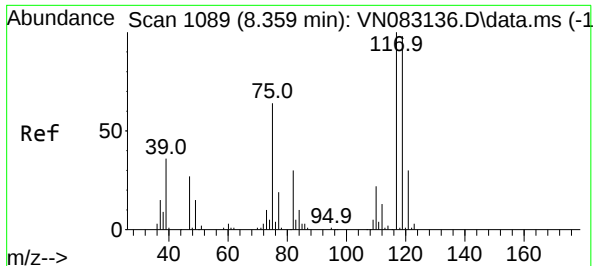
Delta R.T. 0.012 min

Lab File: VN083506.D

Acq: 27 Aug 2024 13:52

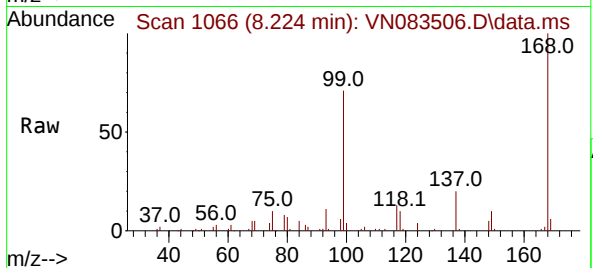
Tgt Ion: 43	Resp: 3923
Ion Ratio	Lower Upper
43	100
61	13.4 9.3 13.9
70	4.6 7.0 10.6#



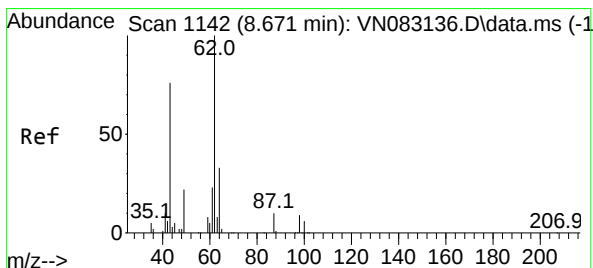
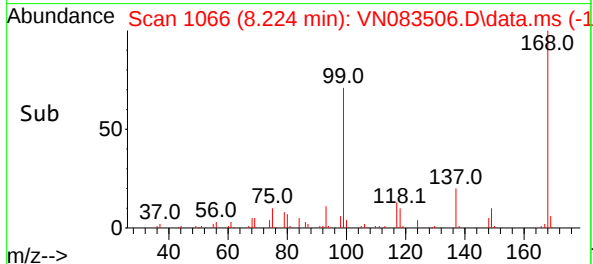
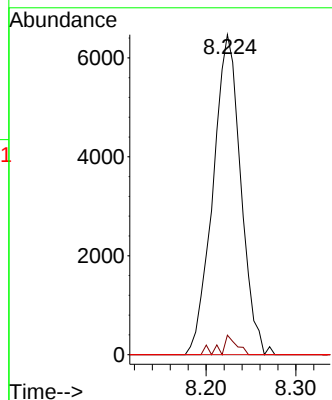


#38
Carbon Tetrachloride
Concen: 5.346 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

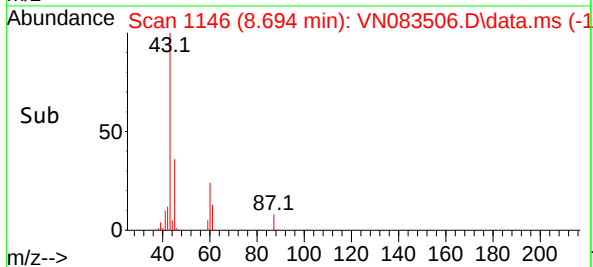
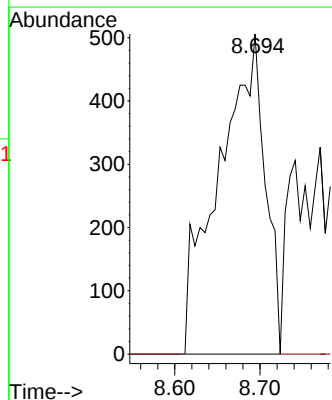
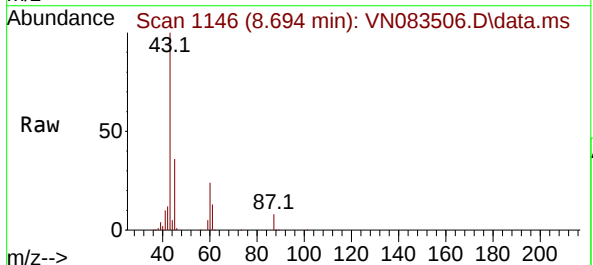


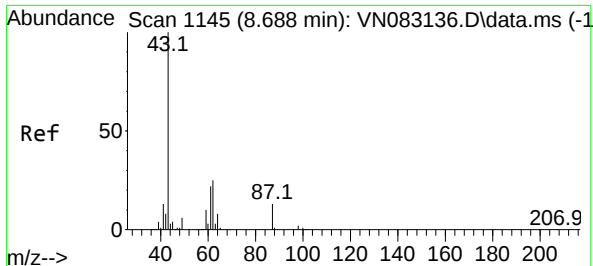
Tgt Ion:117 Resp: 13930
Ion Ratio Lower Upper
117 100
119 6.1 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.760 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

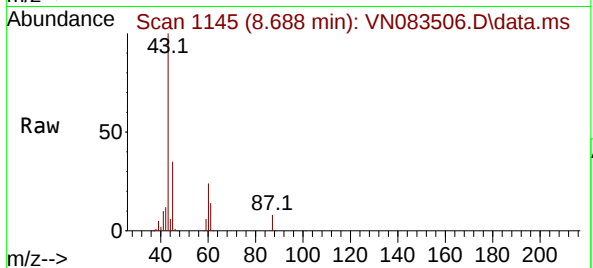
Tgt Ion: 62 Resp: 1908
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



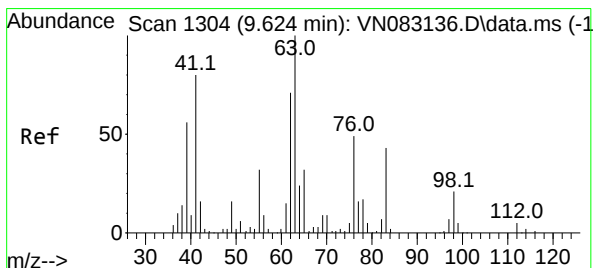
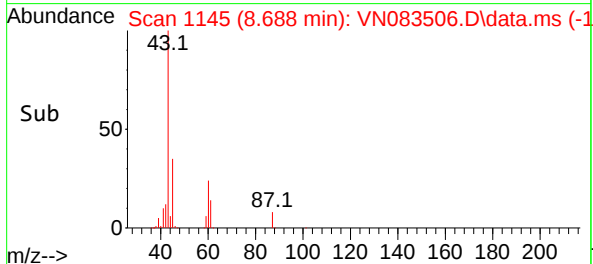
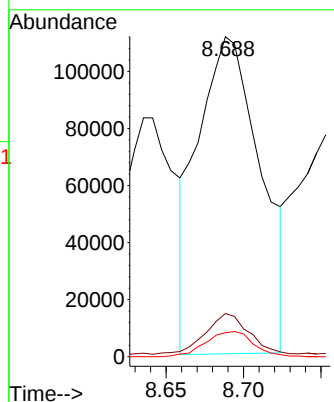


#43
Isopropyl Acetate
Concen: 71.478 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

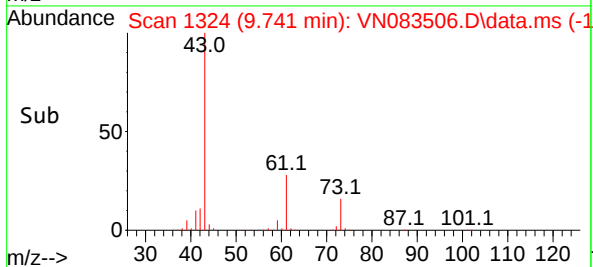
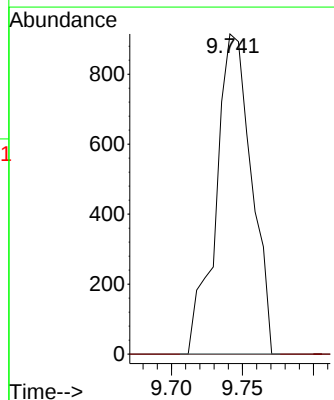
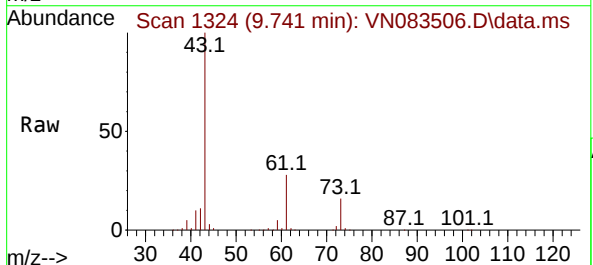


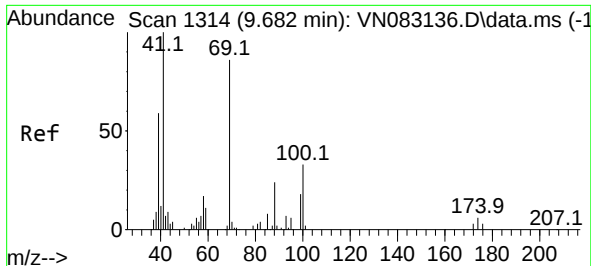
Tgt Ion: 43 Resp: 313158
Ion Ratio Lower Upper
43 100
61 10.9 17.8 26.6#
87 6.0 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.976 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 63 Resp: 1596
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 1.942 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN083506.D

Acq: 27 Aug 2024 13:52

Instrument :

MSVOA_N

ClientSampleId :

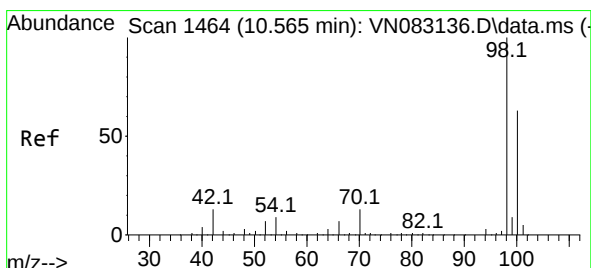
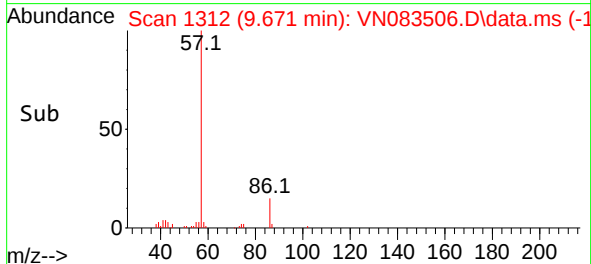
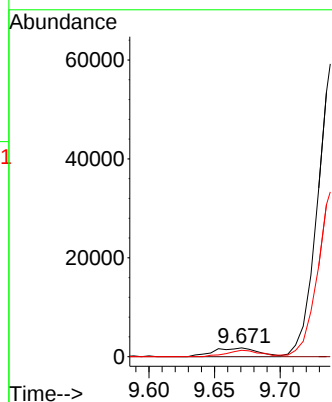
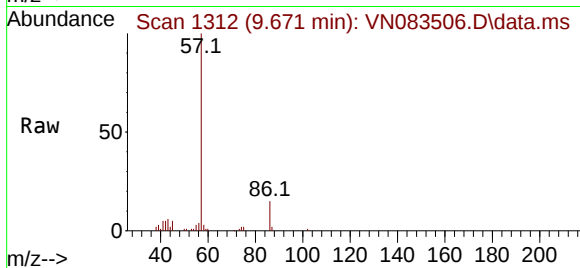
Tgt Ion: 41 Resp: 4160

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 54.9 50.3 75.5



#50

Toluene-d8

Concen: 58.079 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083506.D

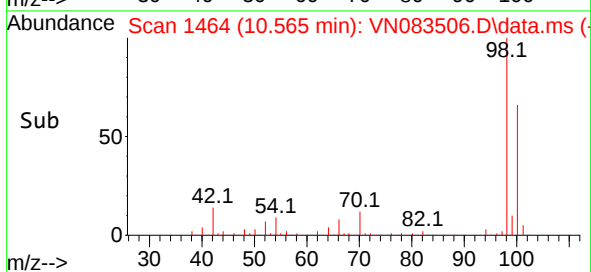
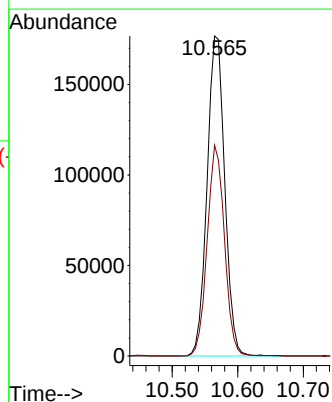
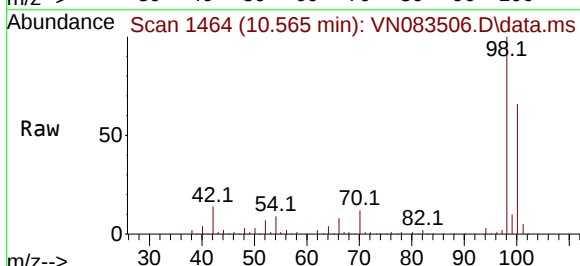
Acq: 27 Aug 2024 13:52

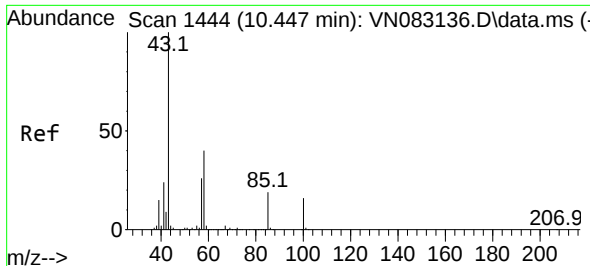
Tgt Ion: 98 Resp: 331346

Ion Ratio Lower Upper

98 100

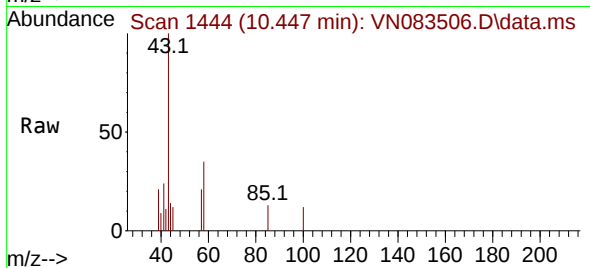
100 64.4 51.5 77.3



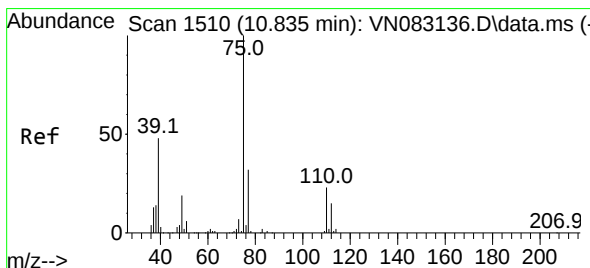
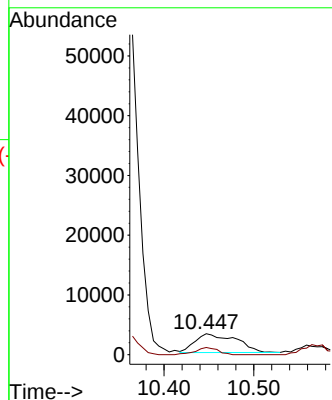
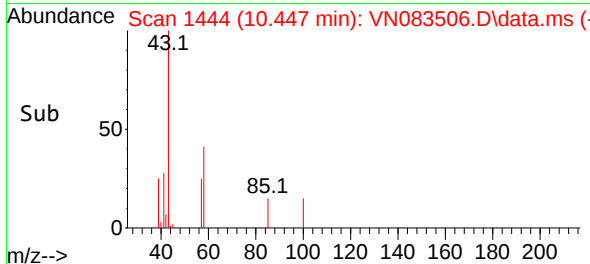


#51
4-Methyl-2-Pentanone
Concen: 4.088 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

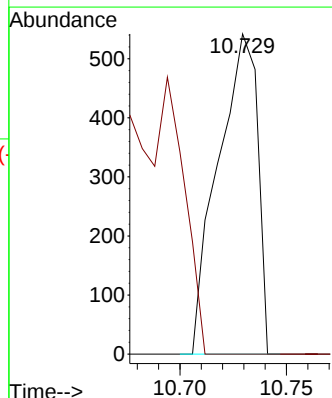
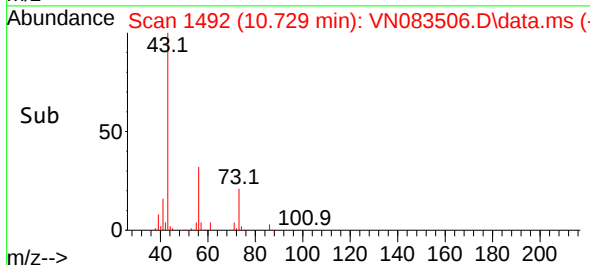
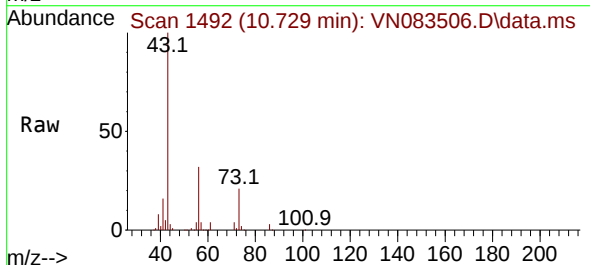


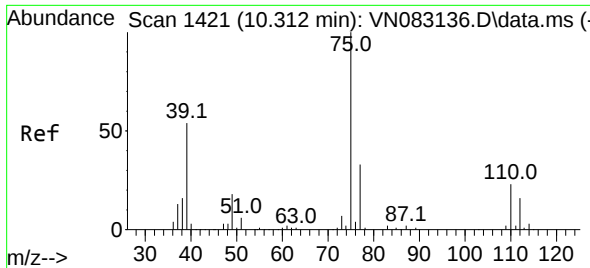
Tgt Ion: 43 Resp: 10014
Ion Ratio Lower Upper
43 100
58 20.6 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.259 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 75 Resp: 699
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

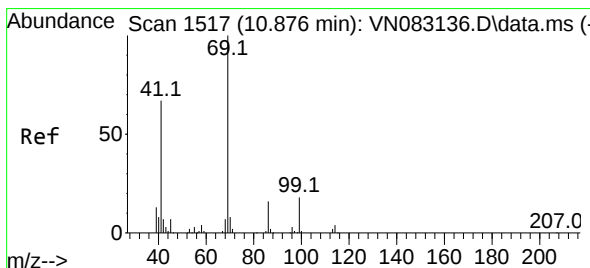
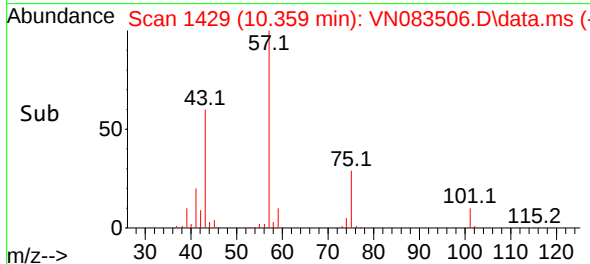
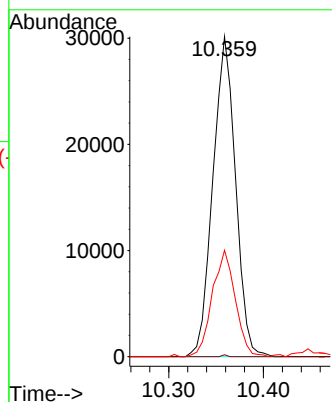
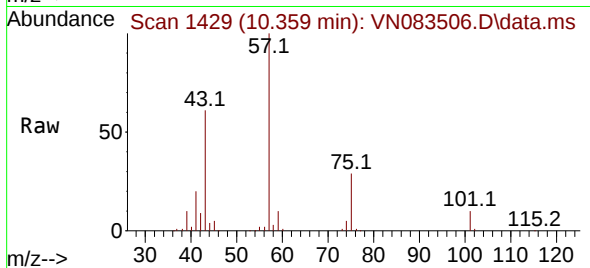




#54
cis-1,3-Dichloropropene
Concen: 17.417 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

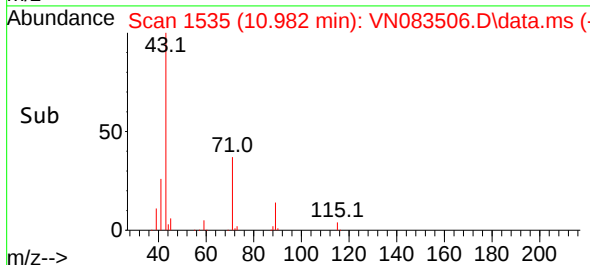
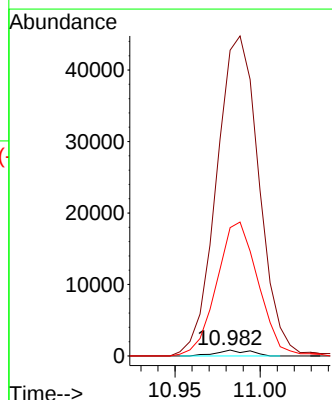
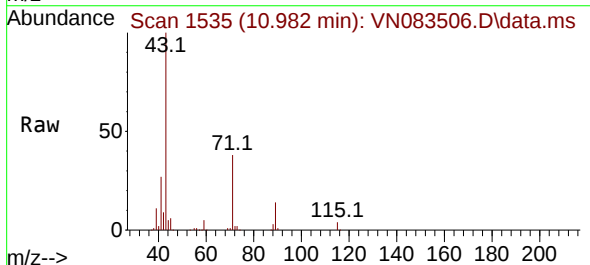
Instrument :
MSVOA_N
ClientSampleId :

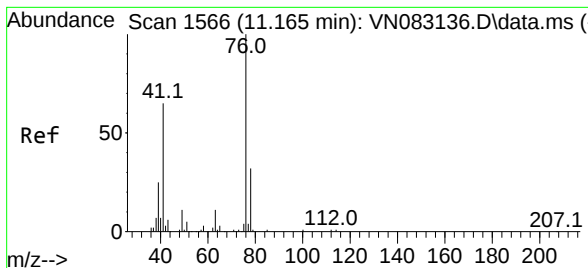
Tgt Ion: 75 Resp: 50034
Ion Ratio Lower Upper
75 100
77 0.6 24.3 36.5#
39 33.3 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.388 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 69 Resp: 1141
Ion Ratio Lower Upper
69 100
41 6837.4 63.4 95.2#
39 2798.7 37.4 56.0#

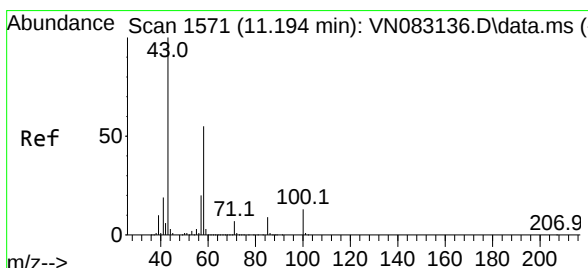
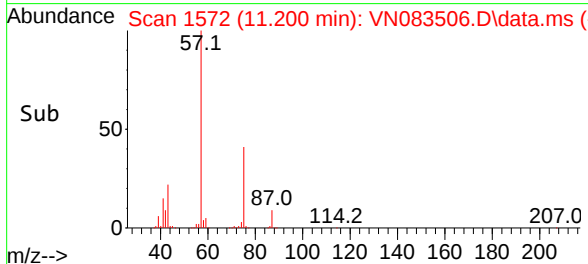
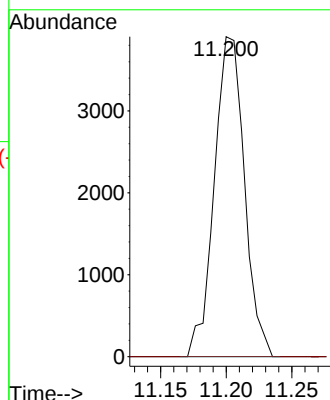
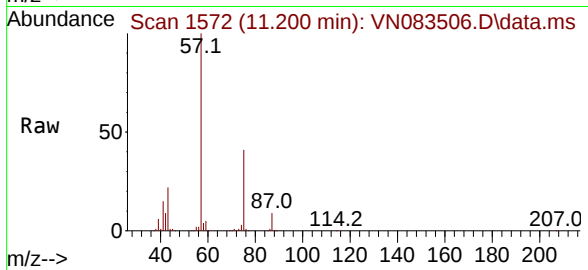




#57
1,3-Dichloropropane
Concen: 2.244 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

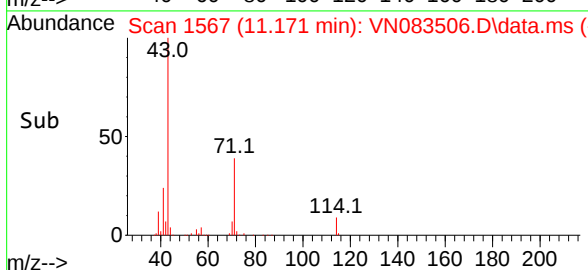
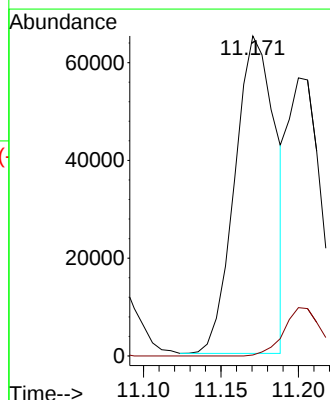
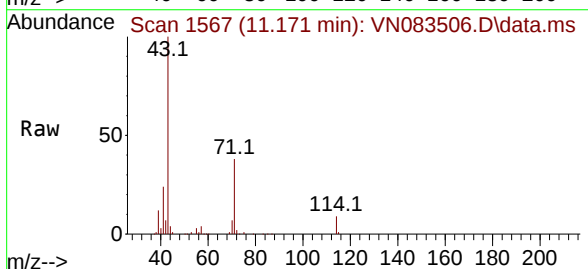
Instrument :
MSVOA_N
ClientSampleId :

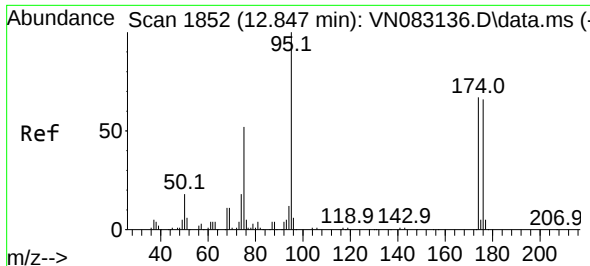
Tgt Ion: 76 Resp: 6242
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 62.645 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 43 Resp: 118719
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

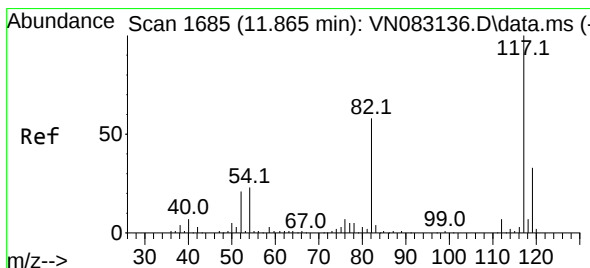
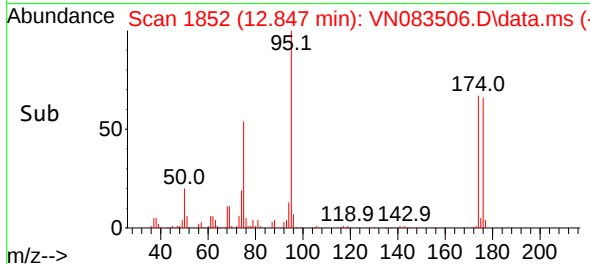
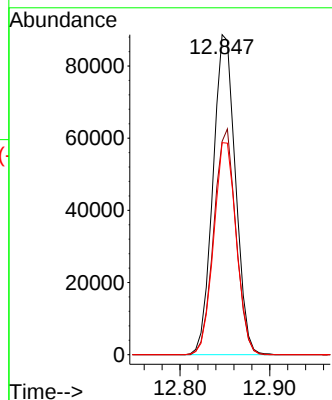
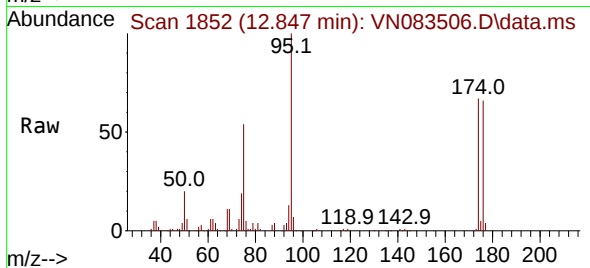




#62
4-Bromofluorobenzene
Concen: 69.382 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

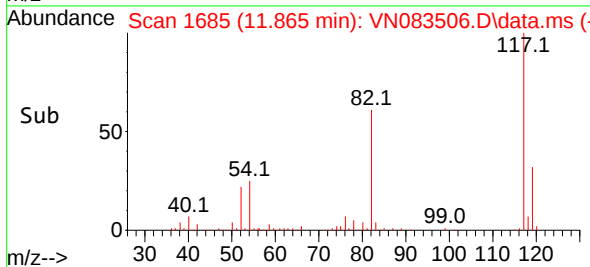
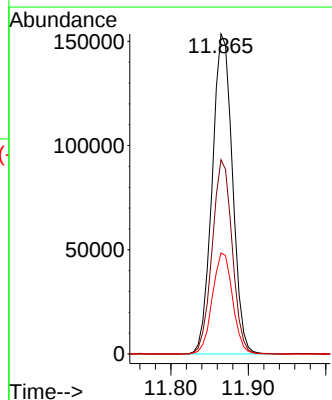
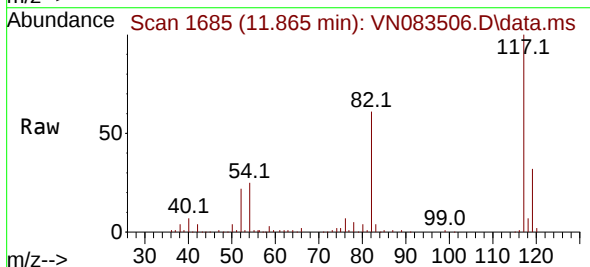
Instrument :
MSVOA_N
ClientSampleId :

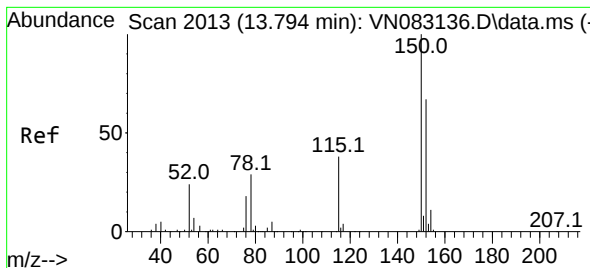
Tgt Ion: 95 Resp: 154317
Ion Ratio Lower Upper
95 100
174 69.1 0.0 159.2
176 66.7 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

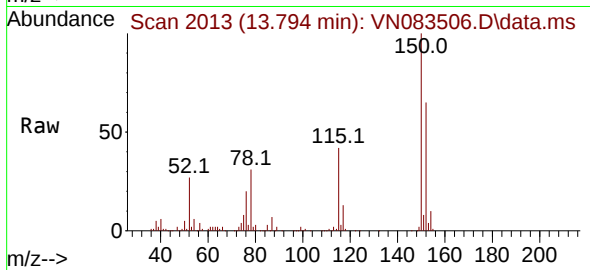
Tgt Ion: 117 Resp: 279076
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 31.6 25.6 38.4



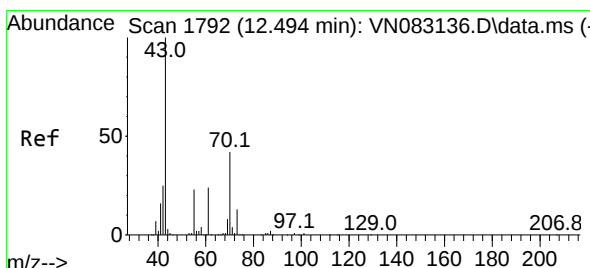
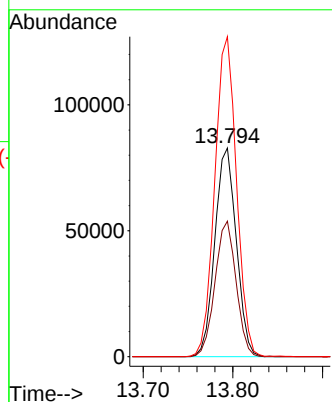
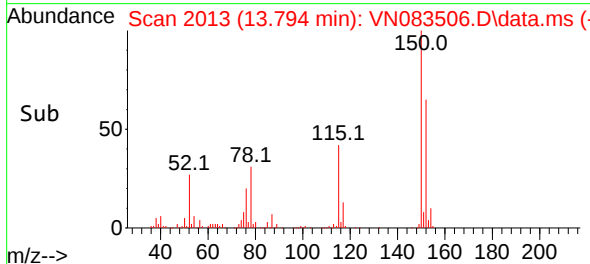


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

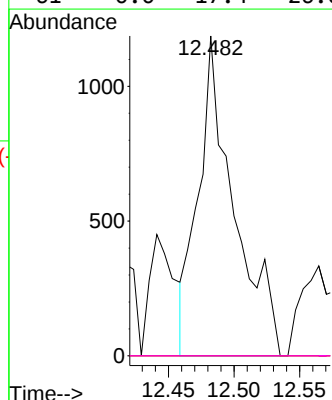
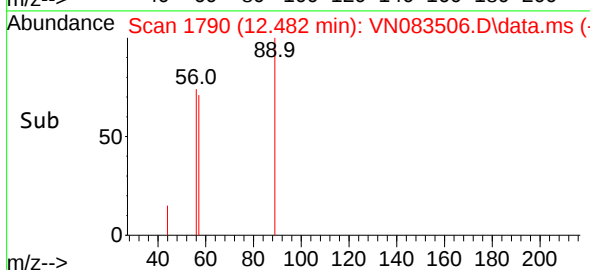
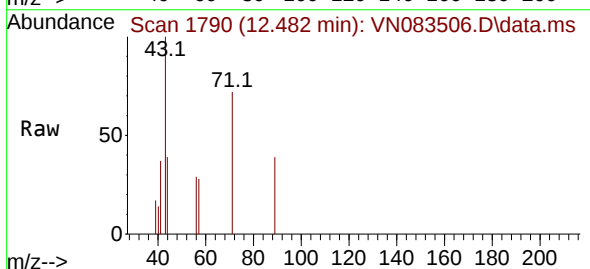


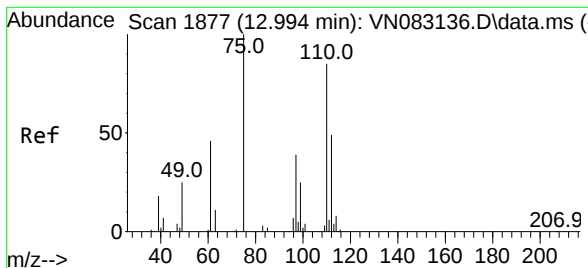
Tgt Ion:152 Resp: 137737
Ion Ratio Lower Upper
152 100
115 63.7 30.6 91.6
150 154.8 0.0 348.6



#74
N-ethyl acetate
Concen: 0.397 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 43 Resp: 2238
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#

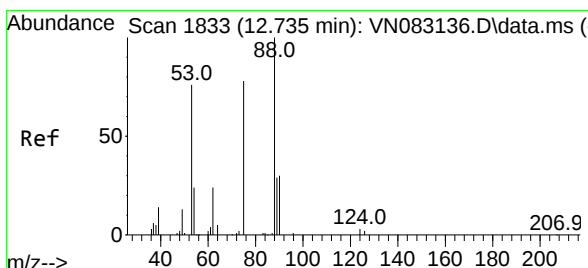
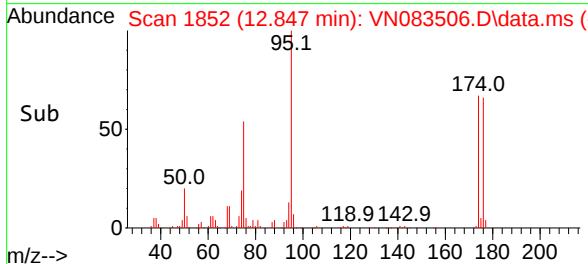
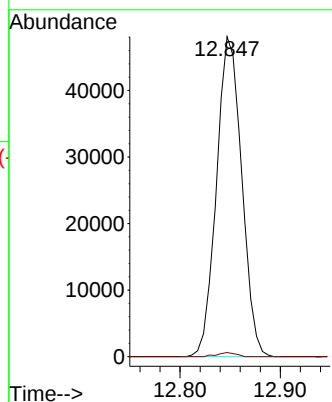
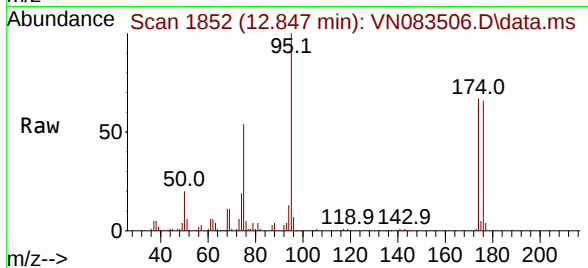




#76
1,2,3-Trichloropropane
Concen: 27.714 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 83779
Ion Ratio Lower Upper
75 100
77 0.9 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.285 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083506.D
Acq: 27 Aug 2024 13:52

Tgt Ion: 75 Resp: 83779
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

