

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085490.D
 Acq On : 17 Jan 2025 14:00
 Operator : JC\MD
 Sample : PB166090ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 17 22:35:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

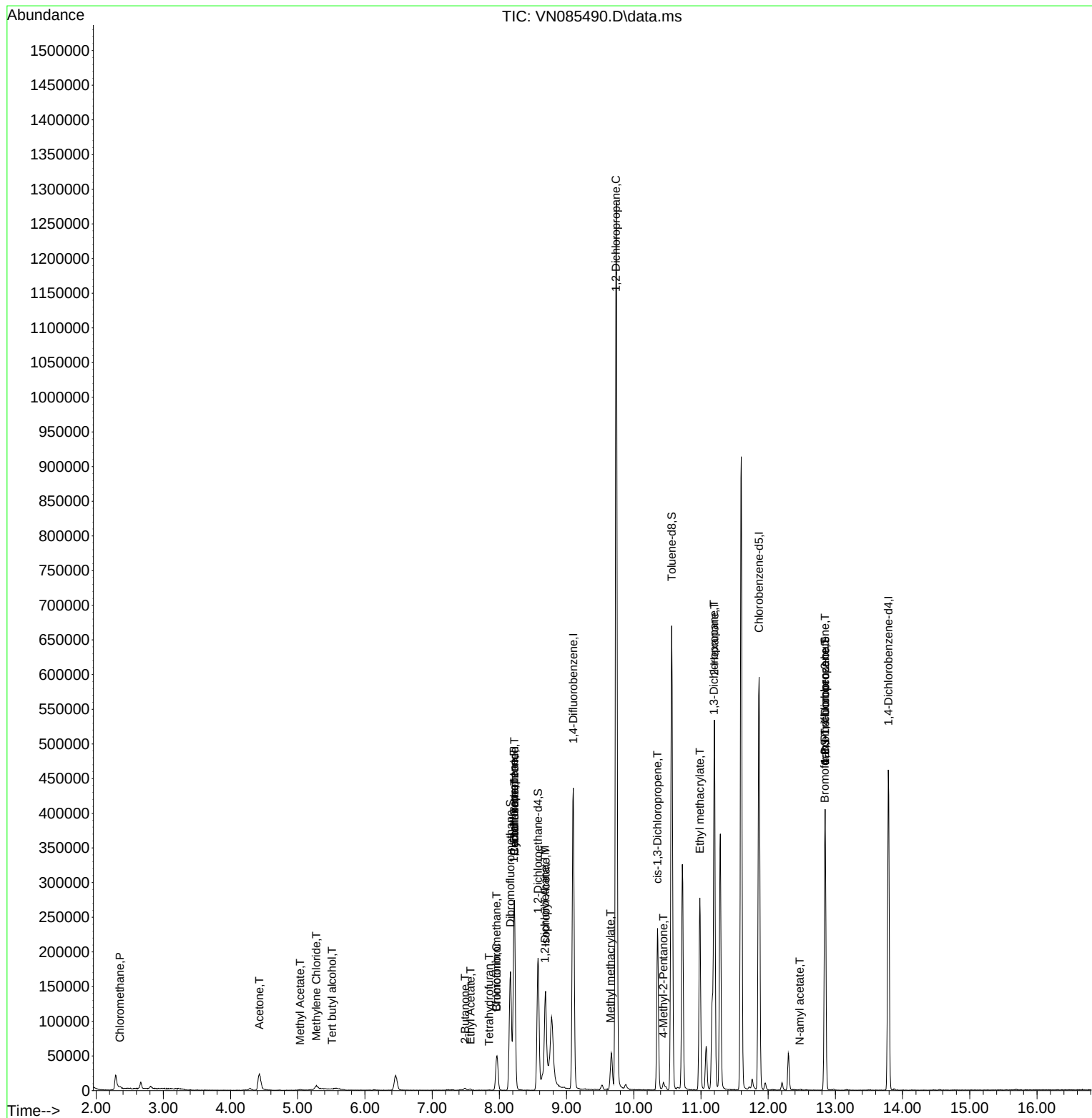
Internal Standards						
1) Pentafluorobenzene	8.224	168	179432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	353747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	322514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	160274	55.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.680%			
35) Dibromofluoromethane	8.165	113	119928	48.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	10.565	98	447313	51.300	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.847	95	133915	44.897	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.800%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	973	0.370	ug/l #	41
11) Tert butyl alcohol	5.512	59	457	1.378	ug/l #	71
16) Acetone	4.430	43	46994	50.215	ug/l	97
18) Methyl Acetate	5.036	43	2204	0.774	ug/l #	58
20) Methylene Chloride	5.277	84	3544	1.530	ug/l #	73
25) 2-Butanone	7.488	43	5362	3.893	ug/l	96
28) Bromochloromethane	7.959	49	4293	2.182	ug/l #	18
29) Tetrahydrofuran	7.847	42	369	0.423	ug/l #	34
30) Chloroform	7.959	83	47734	10.921	ug/l	96
31) Cyclohexane	8.224	56	5174	1.408	ug/l #	41
36) 1,1-Dichloropropene	8.218	75	17871	5.189	ug/l #	51
37) Ethyl Acetate	7.571	43	3231	0.929	ug/l #	84
38) Carbon Tetrachloride	8.224	117	20251	5.136	ug/l #	18
42) 1,2-Dichloroethane	8.676	62	1014	0.260	ug/l #	76
43) Isopropyl Acetate	8.688	43	183363	32.916	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	1643	0.622	ug/l #	43
48) Methyl methacrylate	9.653	41	4247	1.694	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	10574	3.271	ug/l #	71
54) cis-1,3-Dichloropropene	10.353	75	36124	9.209	ug/l #	71
56) Ethyl methacrylate	10.982	69	1618	2.320	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	5274	1.278	ug/l #	43
59) 2-Hexanone	11.200	43	64116	28.189	ug/l #	59
71) Bromoform	12.841	173	513	0.276	ug/l #	1
74) N-amyl acetate	12.470	43	1453	0.407	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	75278	31.464	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75278	85.129	ug/l #	3

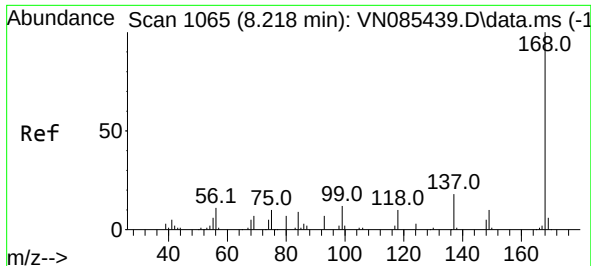
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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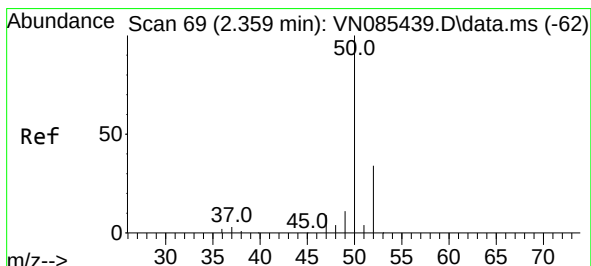
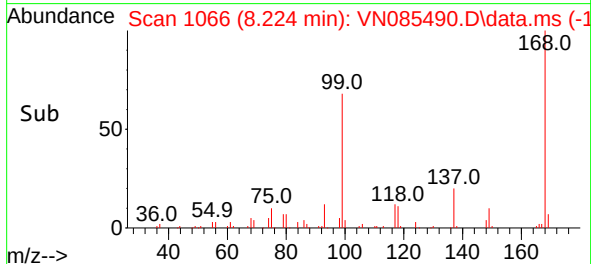
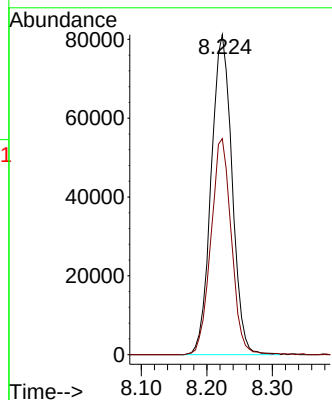
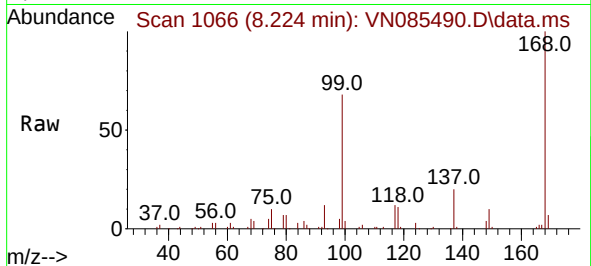




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

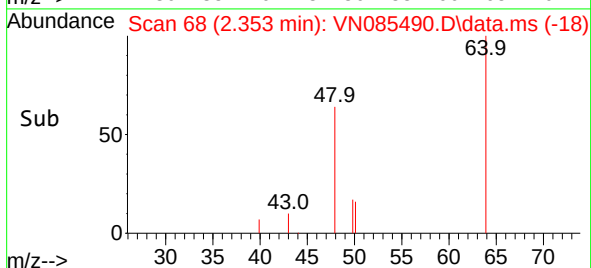
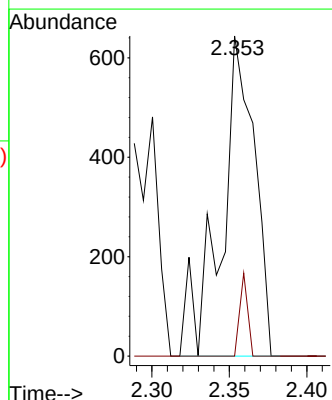
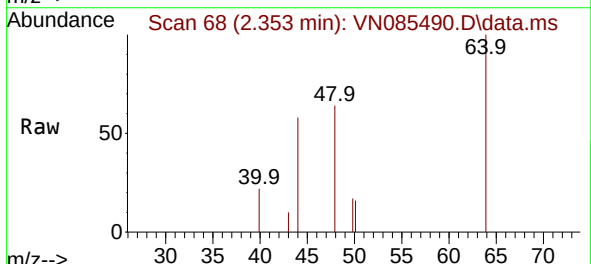
Instrument :
MSVOA_N
ClientSampleId :

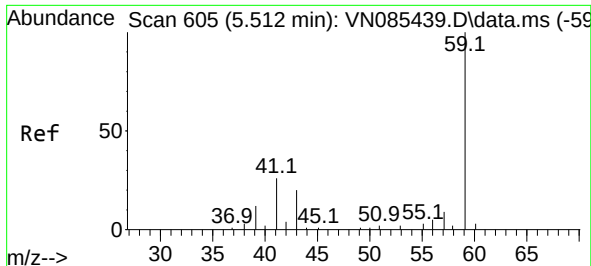
Tgt Ion:168 Resp: 179432
Ion Ratio Lower Upper
168 100
99 67.5 53.6 80.4



#3
Chloromethane
Concen: 0.370 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

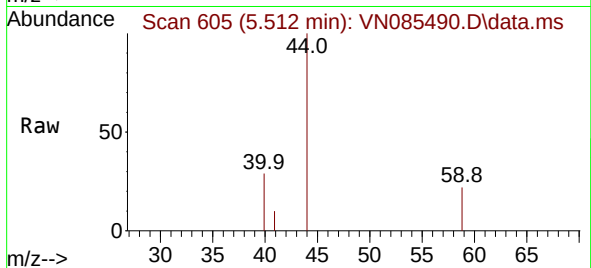
Tgt Ion: 50 Resp: 973
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



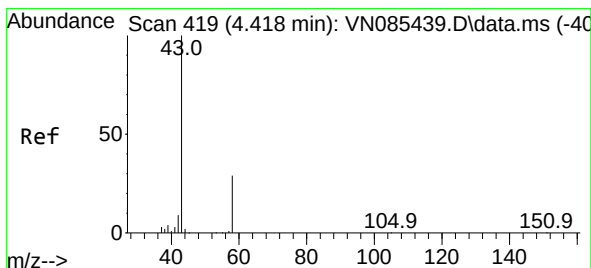
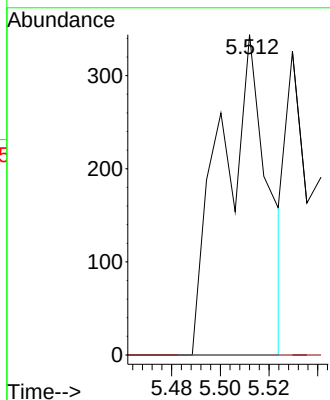
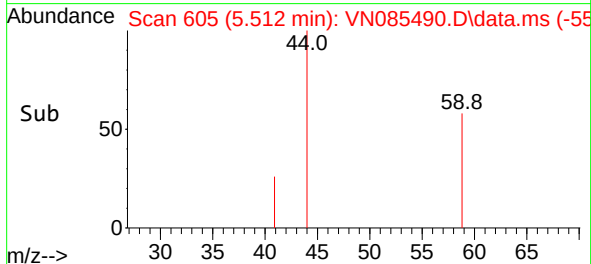


#11
Tert butyl alcohol
Concen: 1.378 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

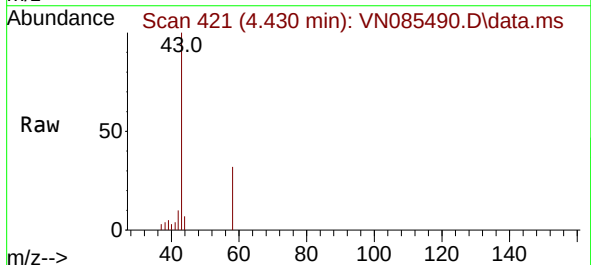
Instrument :
MSVOA_N
ClientSampleId :



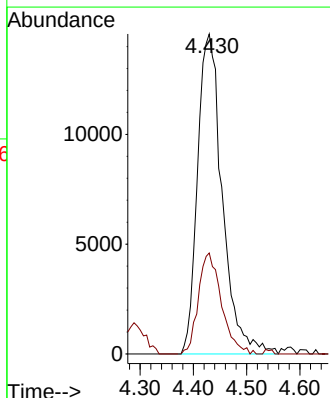
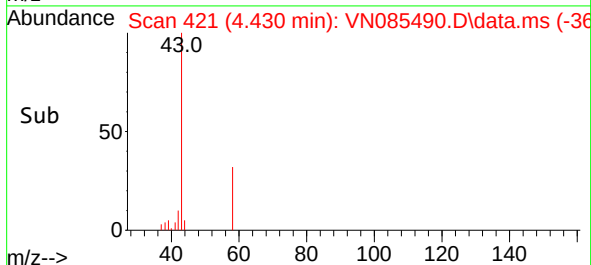
Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

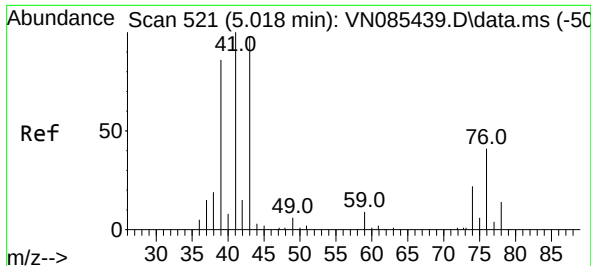


#16
Acetone
Concen: 50.215 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00



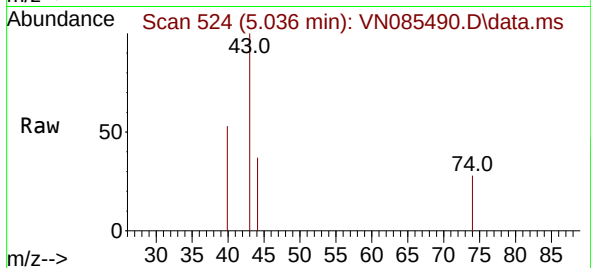
Tgt Ion: 43 Resp: 46994
Ion Ratio Lower Upper
43 100
58 31.6 23.8 35.6



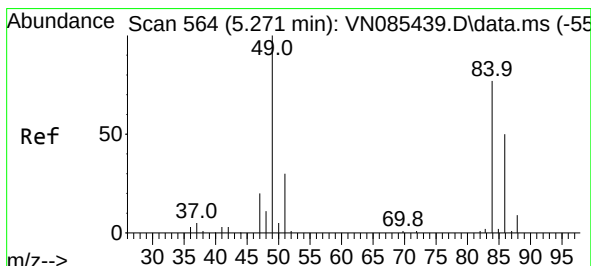
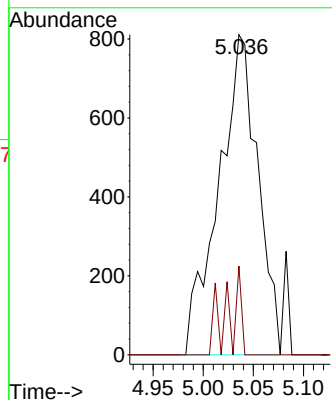
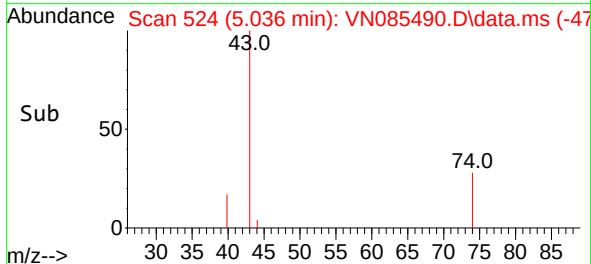


#18
Methyl Acetate
Concen: 0.774 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

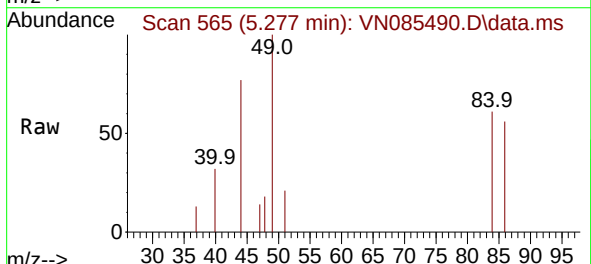
Instrument :
MSVOA_N
ClientSampleId :



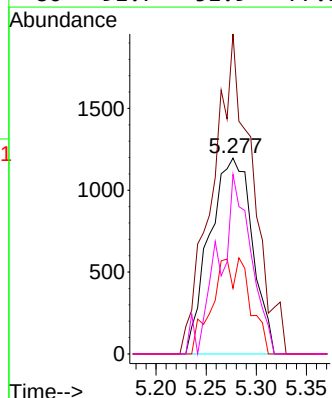
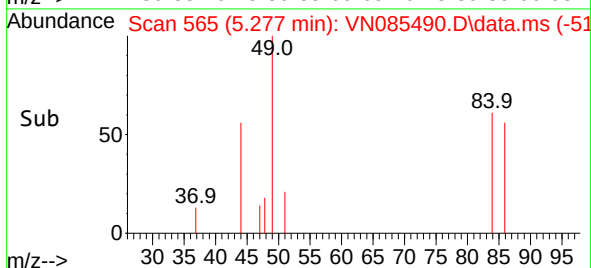
Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
74 2.9 18.6 28.0#

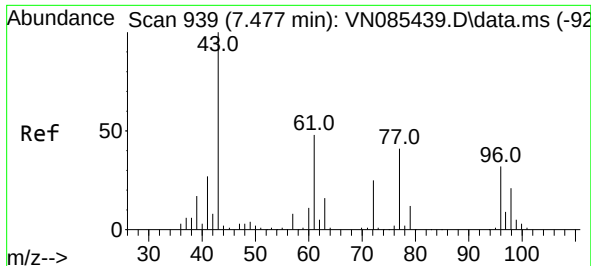


#20
Methylene Chloride
Concen: 1.530 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00



Tgt Ion: 84 Resp: 3544
Ion Ratio Lower Upper
84 100
49 163.5 104.1 156.1#
51 33.5 31.0 46.4
86 91.7 51.9 77.9#

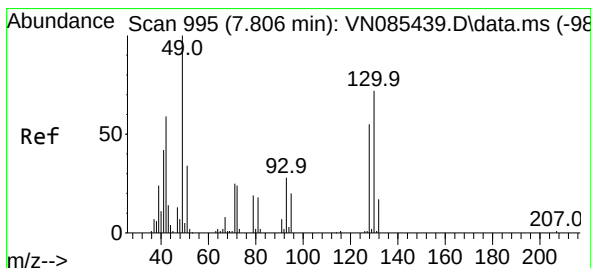
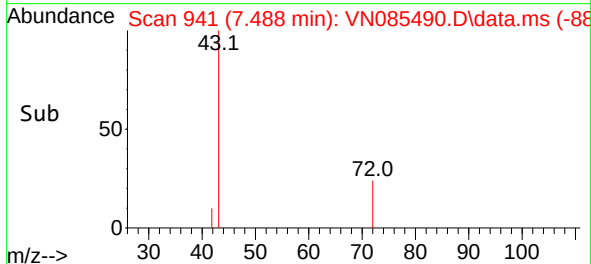
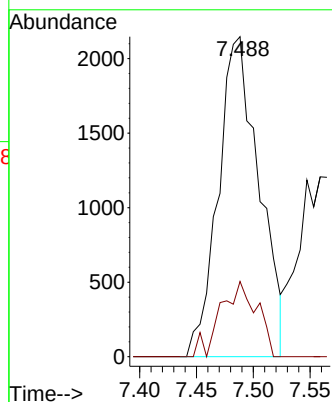
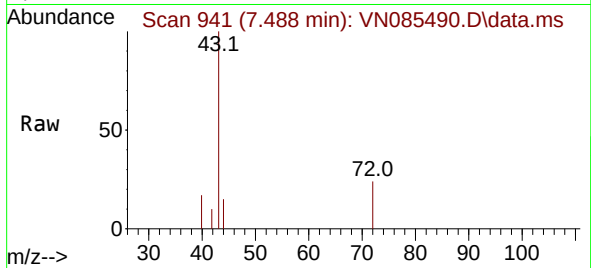




#25
2-Butanone
Concen: 3.893 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

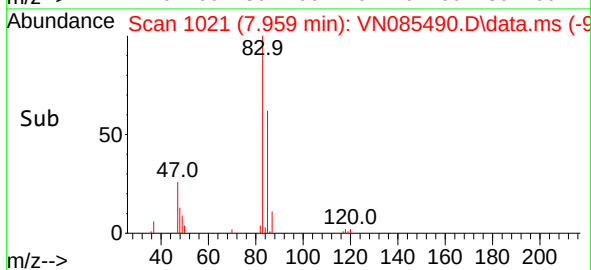
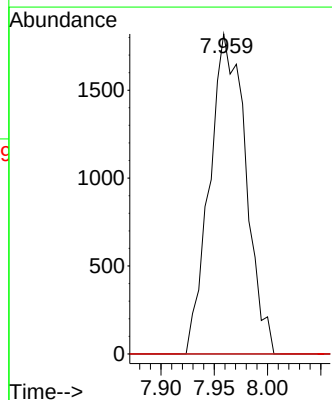
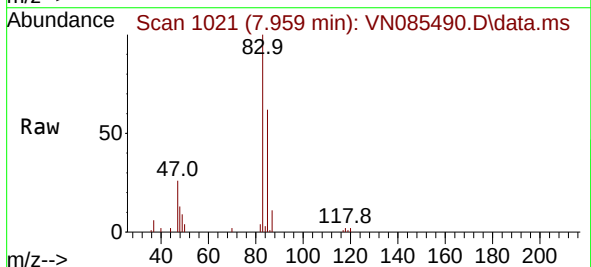
Instrument :
MSVOA_N
ClientSampleId :

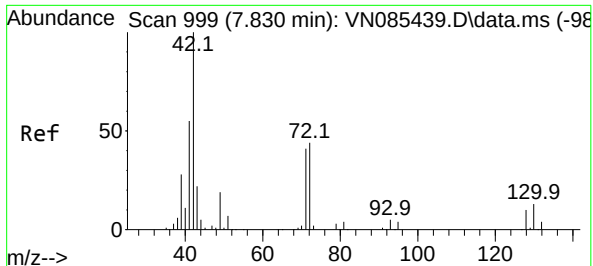
Tgt Ion: 43 Resp: 5362
Ion Ratio Lower Upper
43 100
72 23.5 20.2 30.4



#28
Bromochloromethane
Concen: 2.182 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.153 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 49 Resp: 4293
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#





#29

Tetrahydrofuran

Concen: 0.423 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.017 min

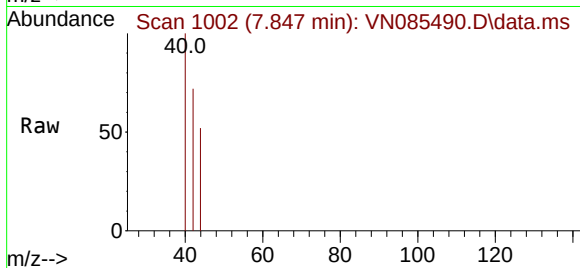
Lab File: VN085490.D

Acq: 17 Jan 2025 14:00

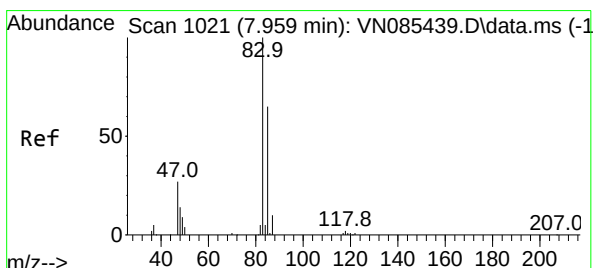
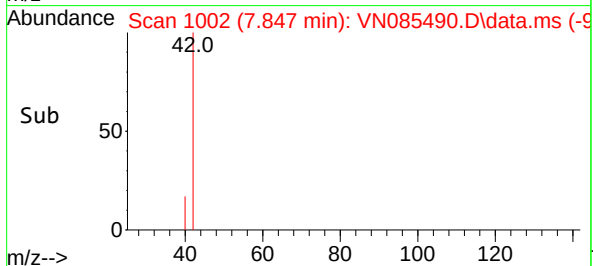
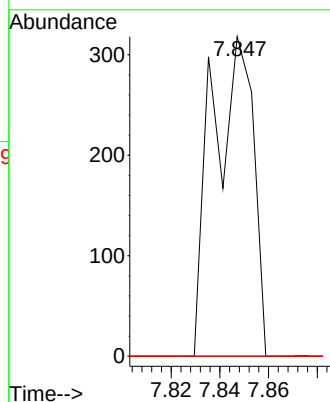
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	369
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 10.921 ug/l

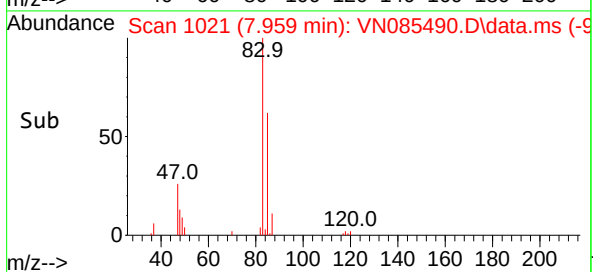
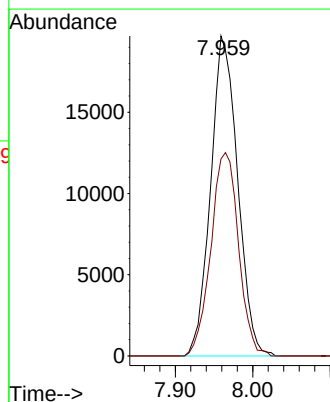
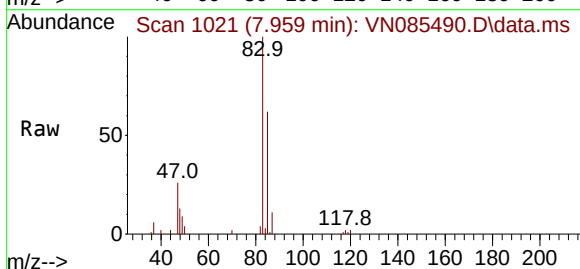
RT: 7.959 min Scan# 1021

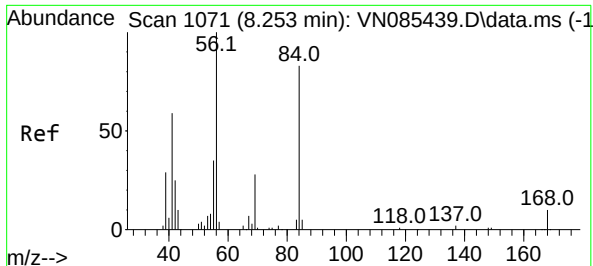
Delta R.T. -0.000 min

Lab File: VN085490.D

Acq: 17 Jan 2025 14:00

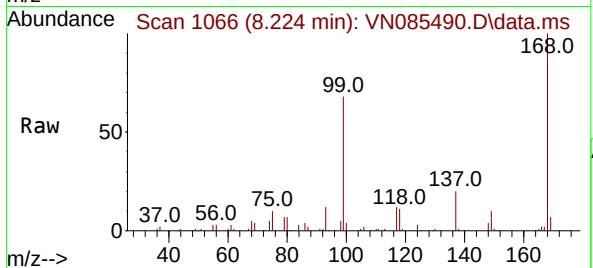
Tgt Ion:	83	Resp:	47734
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.8	77.6



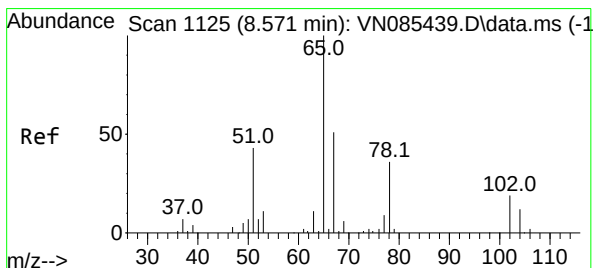
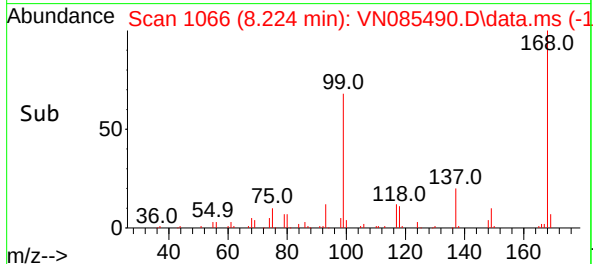
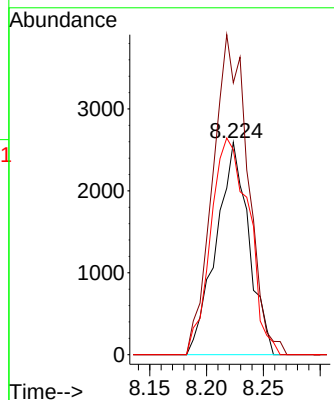


#31
Cyclohexane
Concen: 1.408 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Instrument :
MSVOA_N
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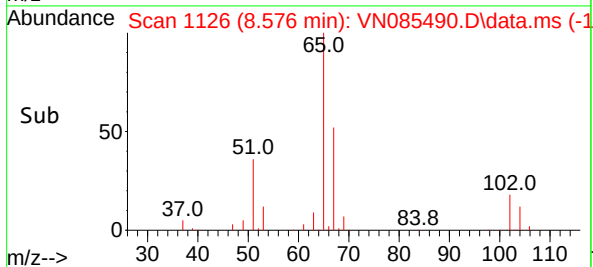
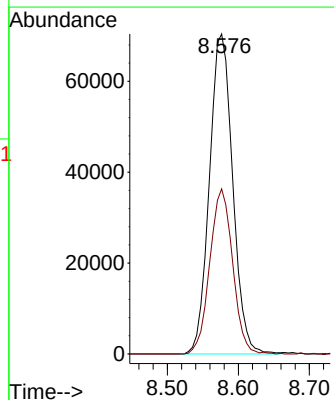
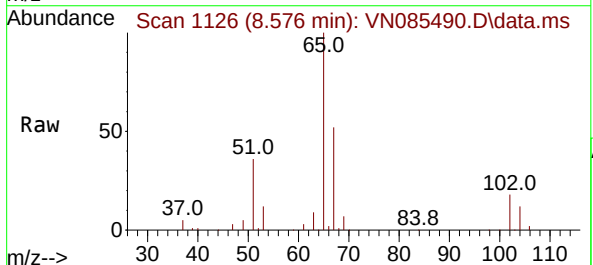


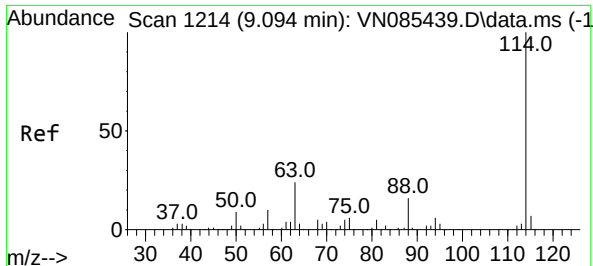
Tgt Ion: 56 Resp: 5174
Ion Ratio Lower Upper
56 100
69 128.0 22.2 33.4#
84 96.6 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 55.336 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 65 Resp: 160274
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085490.D

Acq: 17 Jan 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

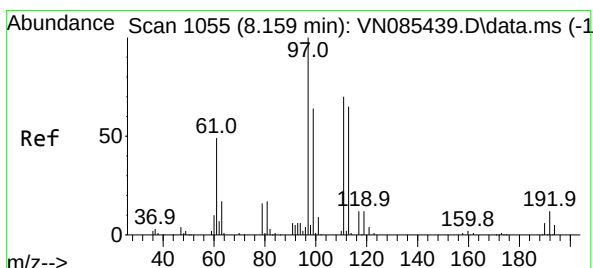
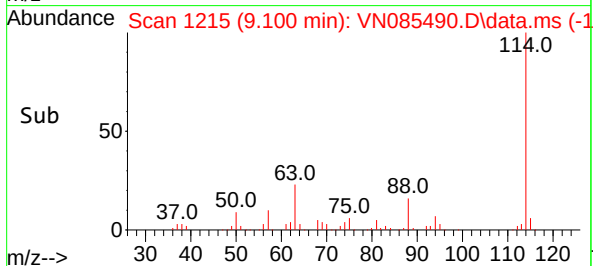
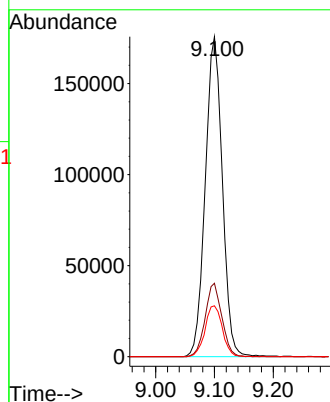
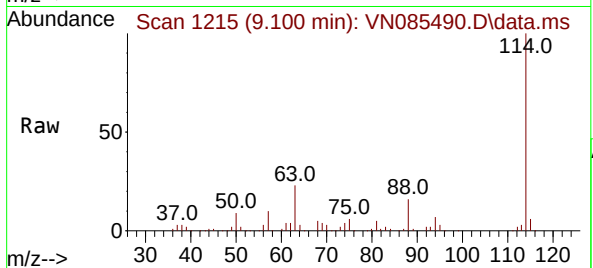
Tgt Ion:114 Resp: 353747

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.6

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.868 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085490.D

Acq: 17 Jan 2025 14:00

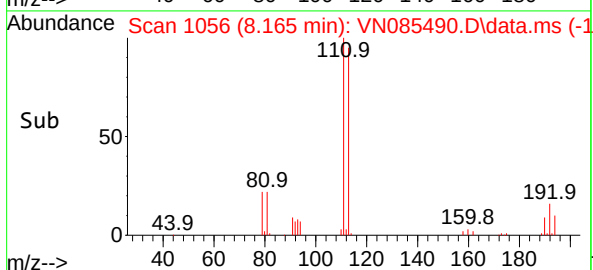
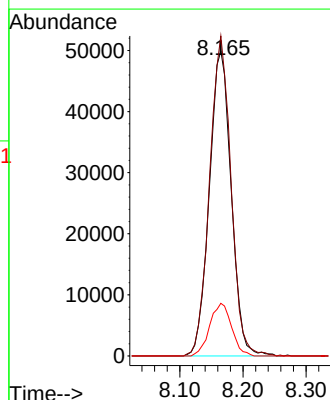
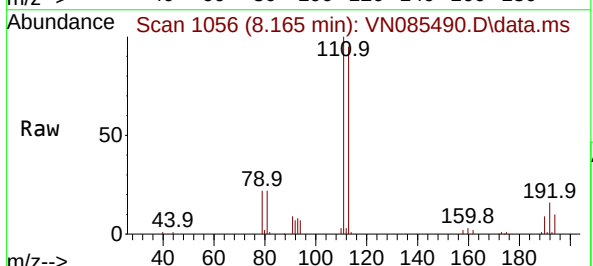
Tgt Ion:113 Resp: 119928

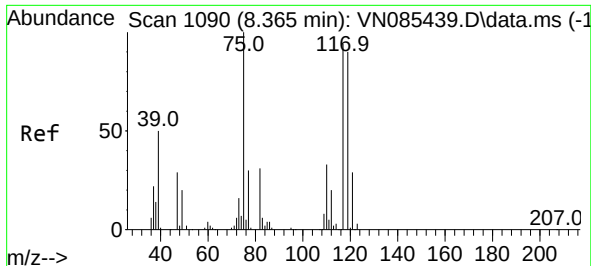
Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

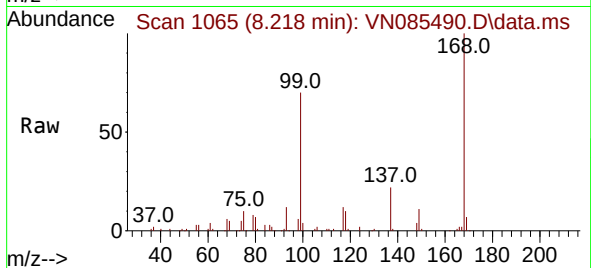
192 17.3 14.3 21.5



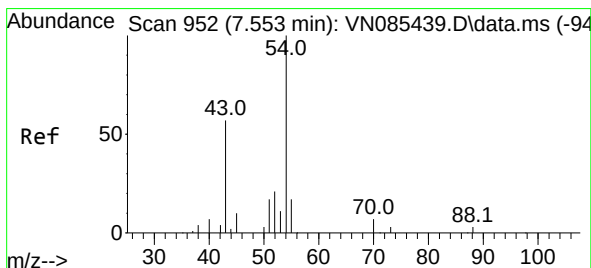
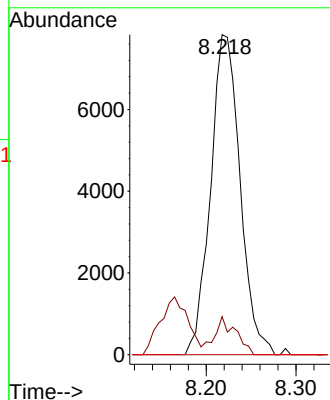
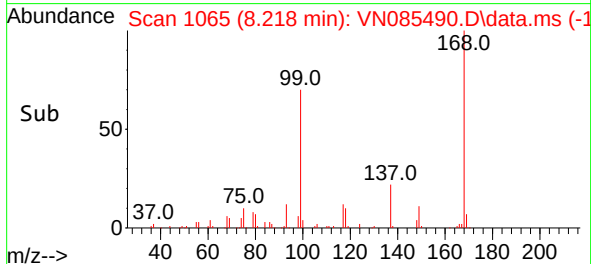


#36
1,1-Dichloropropene
Concen: 5.189 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

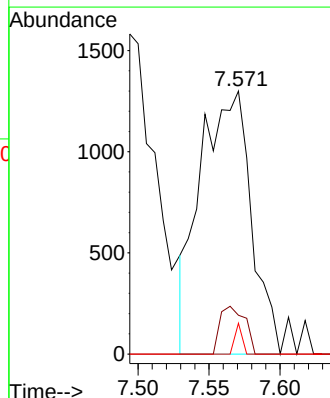
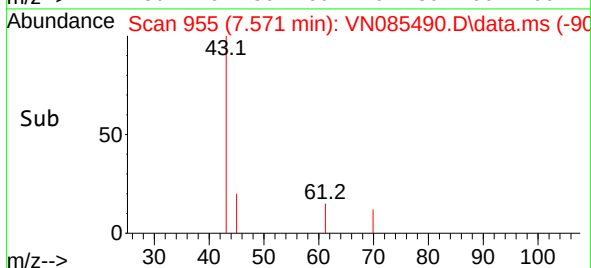
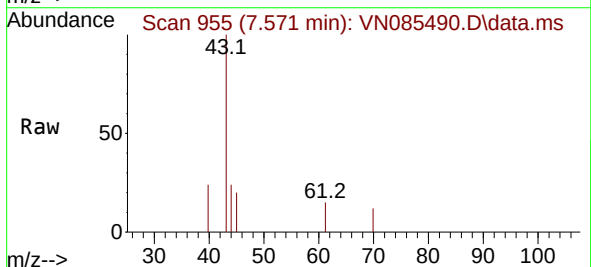


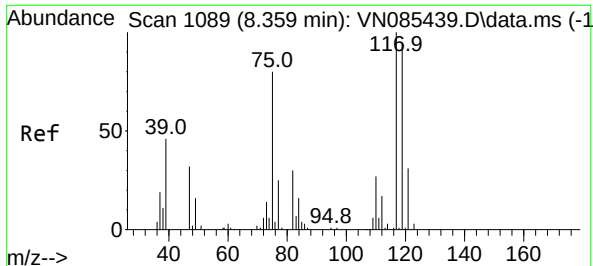
Tgt Ion: 75 Resp: 17871
Ion Ratio Lower Upper
75 100
110 8.6 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.929 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.017 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

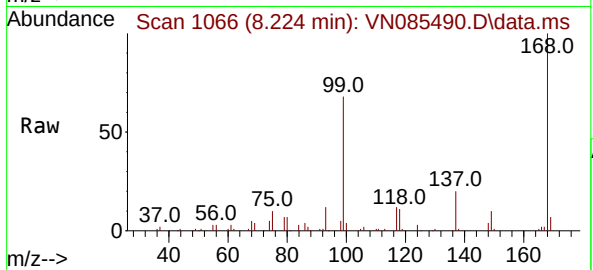
Tgt Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
61 8.9 10.9 16.3#
70 1.7 7.5 11.3#



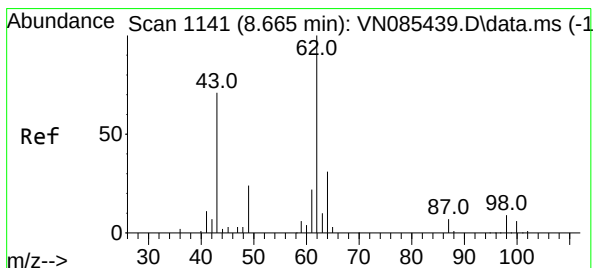
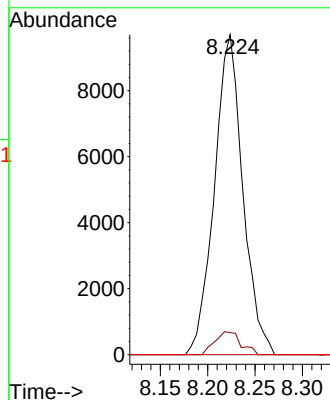
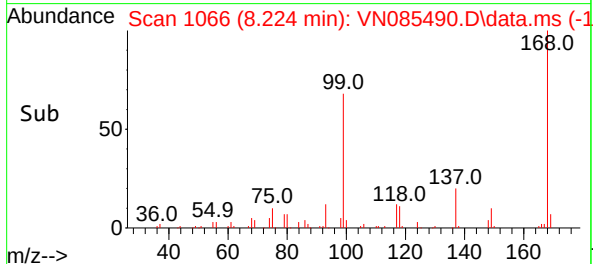


#38
Carbon Tetrachloride
Concen: 5.136 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

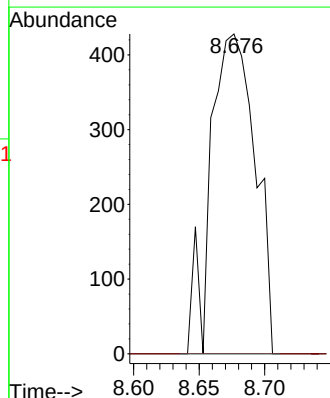
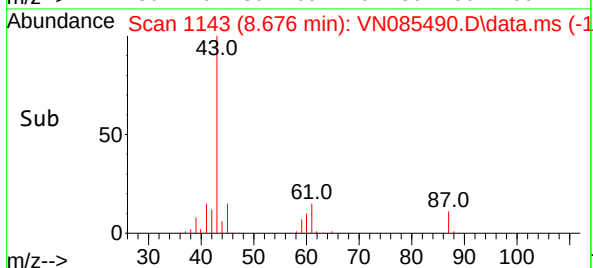
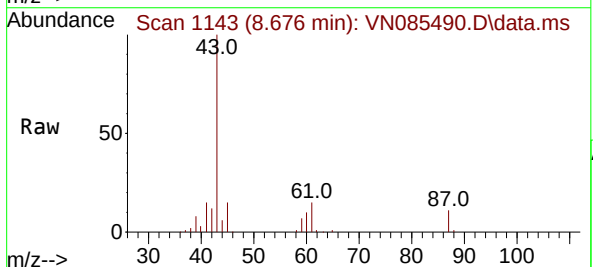


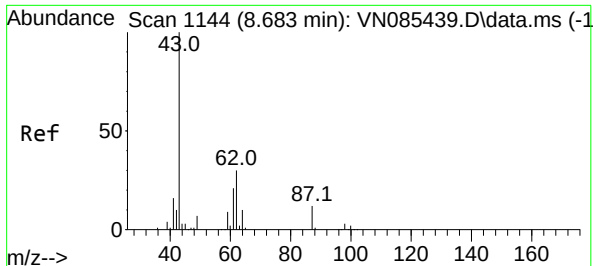
Tgt Ion:117 Resp: 20251
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.260 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 62 Resp: 1014
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

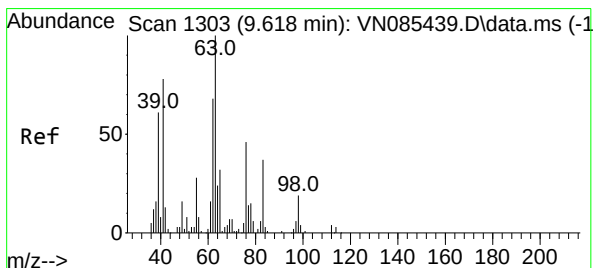
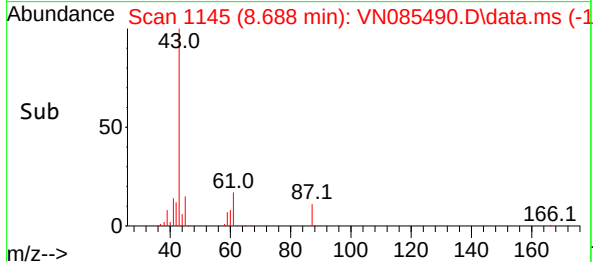
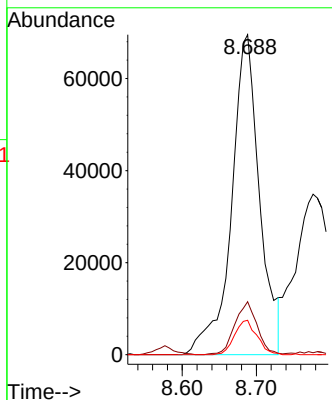
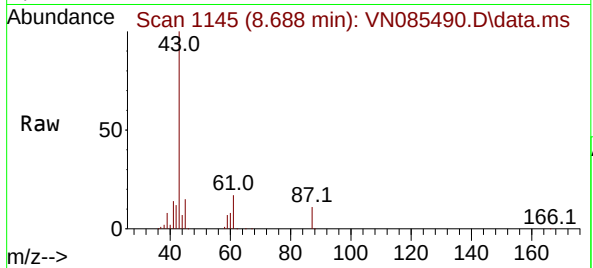




#43
Isopropyl Acetate
Concen: 32.916 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

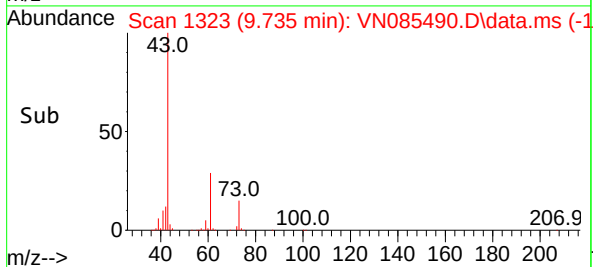
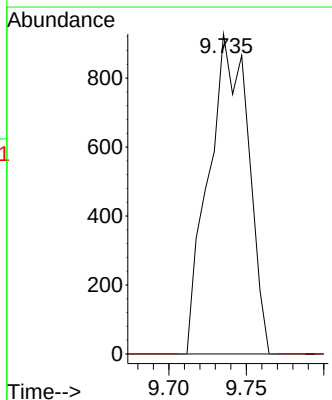
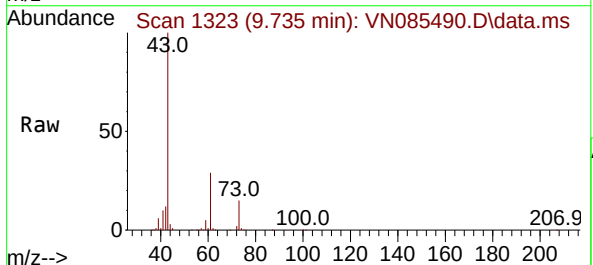
Instrument :
MSVOA_N
ClientSampleId :

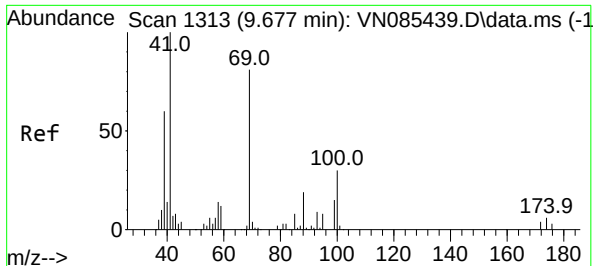
Tgt Ion: 43 Resp: 183363
Ion Ratio Lower Upper
43 100
61 13.2 20.7 31.1#
87 8.5 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.622 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

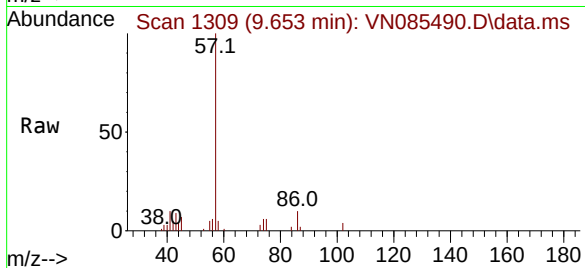
Tgt Ion: 63 Resp: 1643
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



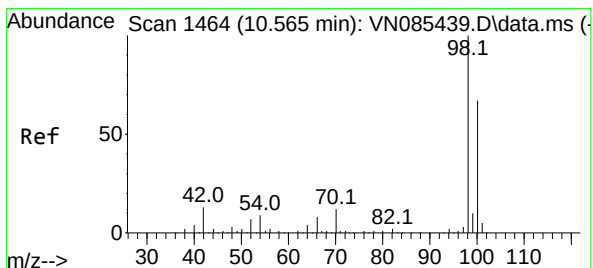
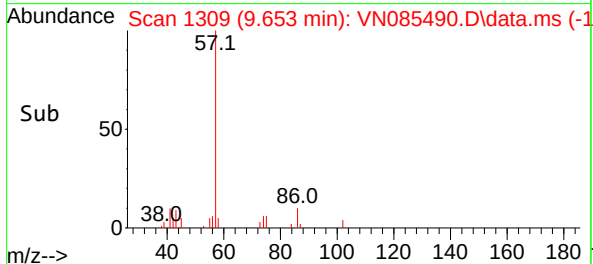
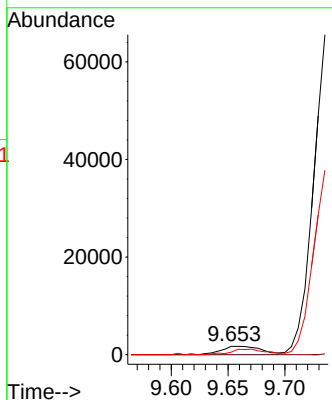


#48
Methyl methacrylate
Concen: 1.694 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

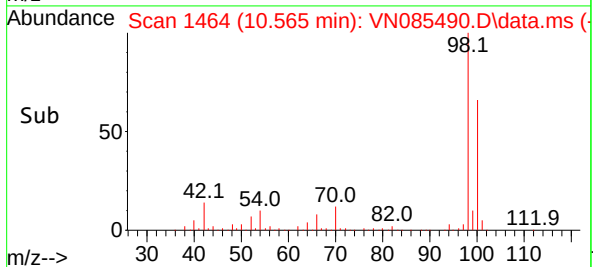
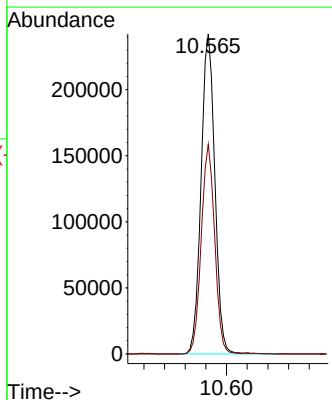
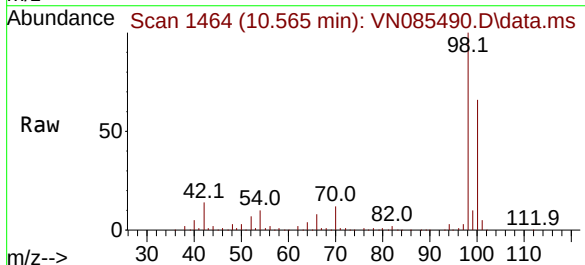


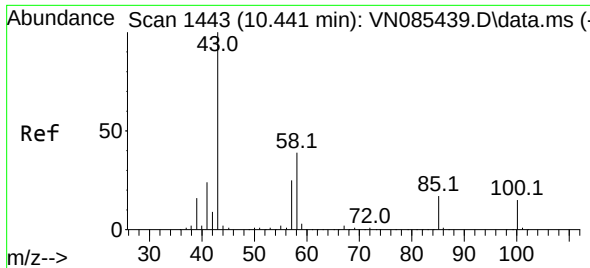
Tgt Ion: 41 Resp: 4247
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 56.2 49.0 73.6



#50
Toluene-d8
Concen: 51.300 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 98 Resp: 447313
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4

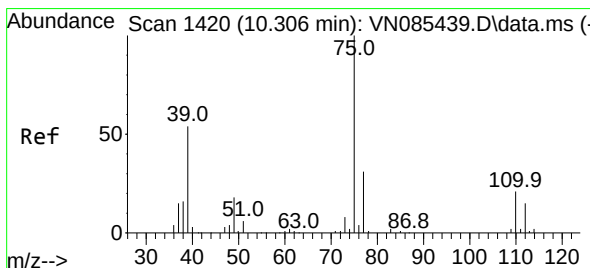
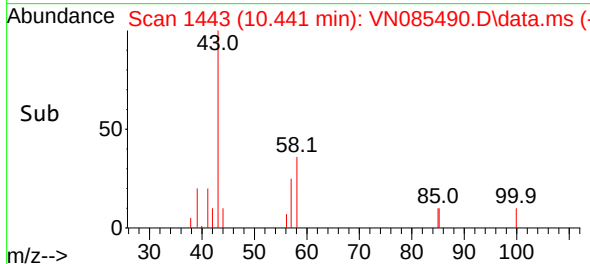
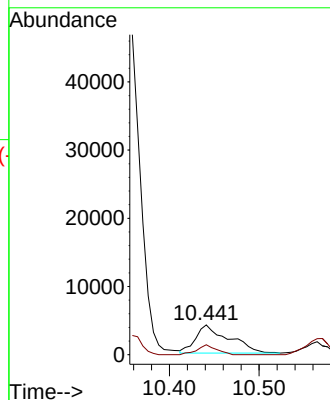
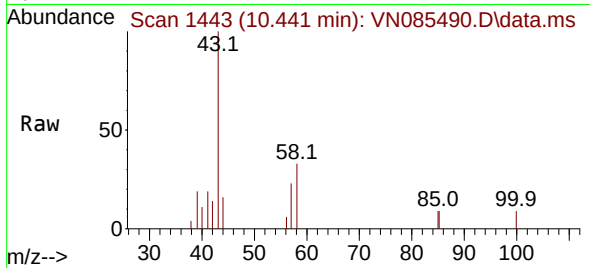




#51
4-Methyl-2-Pentanone
Concen: 3.271 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

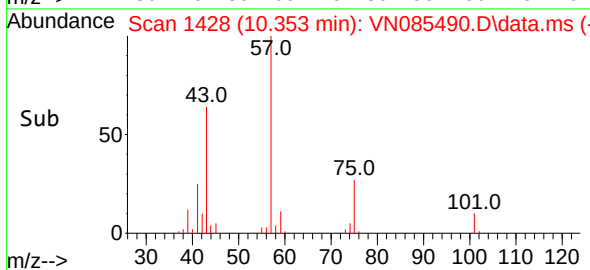
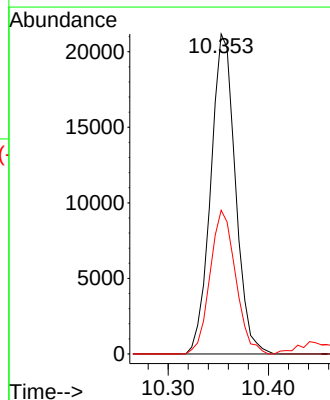
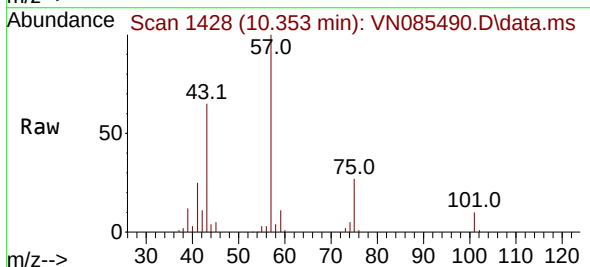
Instrument :
MSVOA_N
ClientSampleId :

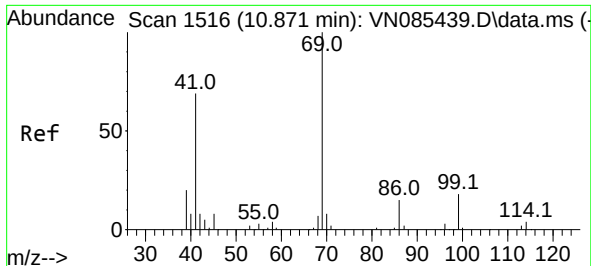
Tgt Ion: 43 Resp: 10574
Ion Ratio Lower Upper
43 100
58 20.5 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 9.209 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 75 Resp: 36124
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 44.9 43.1 64.7

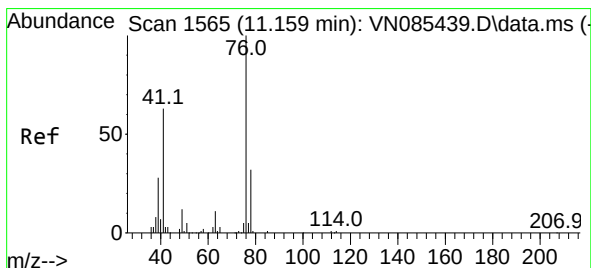
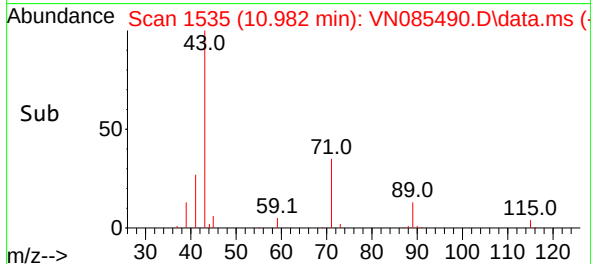
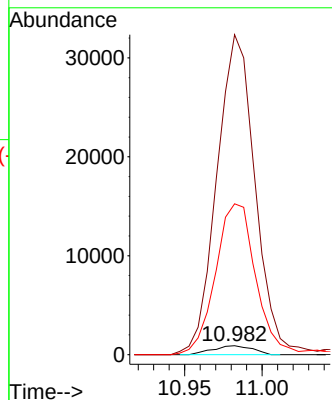
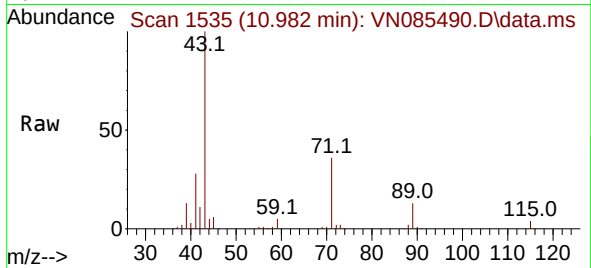




#56
Ethyl methacrylate
Concen: 2.320 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

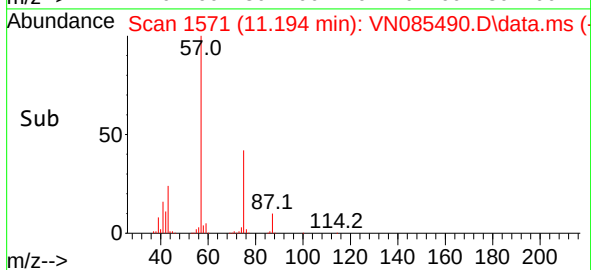
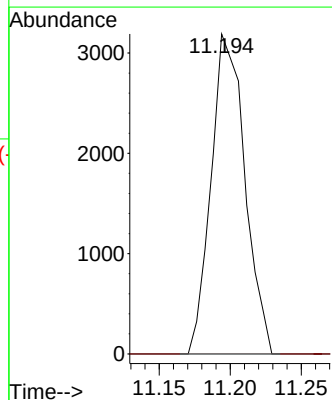
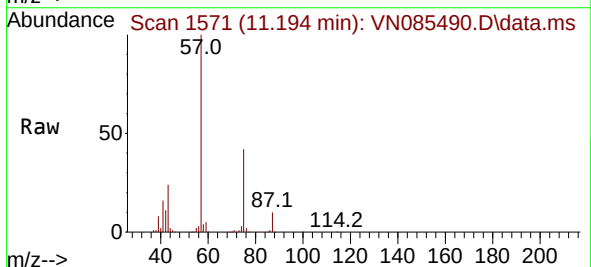
Instrument :
MSVOA_N
ClientSampleId :

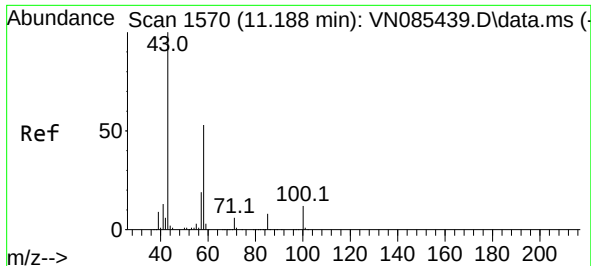
Tgt Ion: 69 Resp: 1618
Ion Ratio Lower Upper
69 100
41 3445.4 54.6 82.0#
39 1705.4 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.278 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 76 Resp: 5274
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

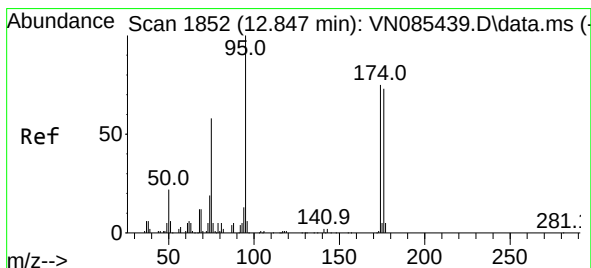
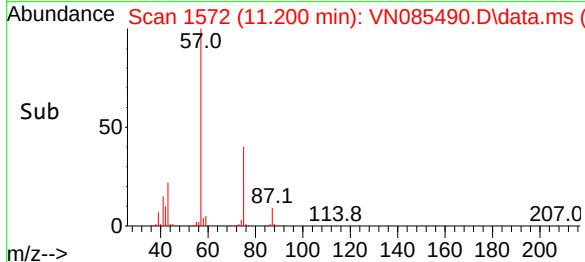
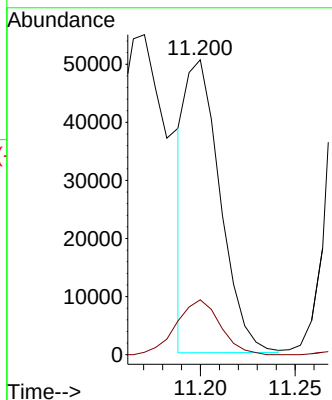
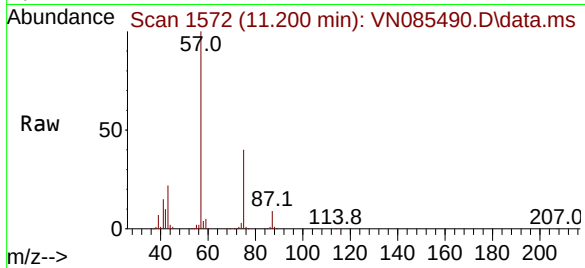




#59
2-Hexanone
Concen: 28.189 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

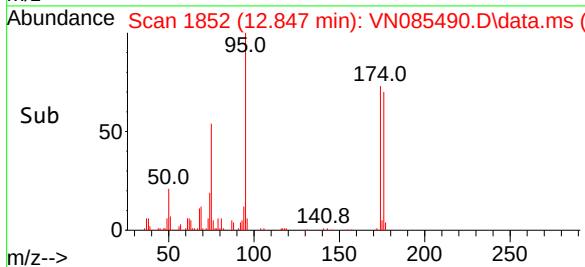
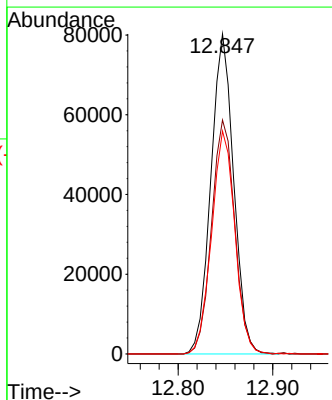
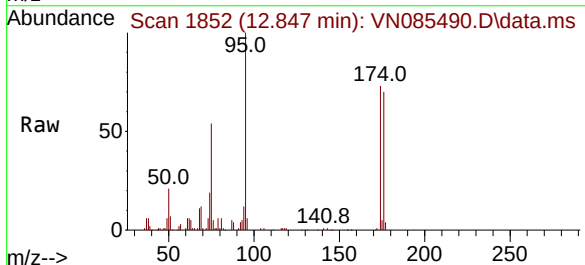
Instrument :
MSVOA_N
ClientSampleId :

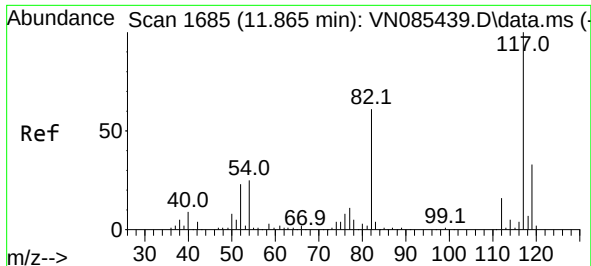
Tgt Ion: 43 Resp: 64116
Ion Ratio Lower Upper
43 100
58 23.7 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.897 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 95 Resp: 133915
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.0
176 71.1 0.0 142.4

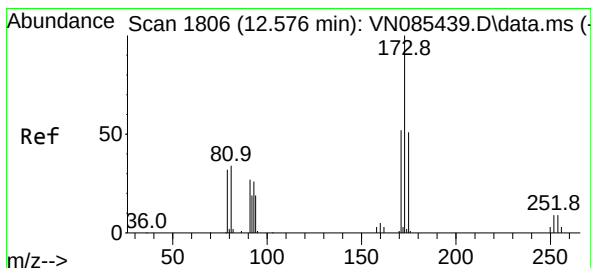
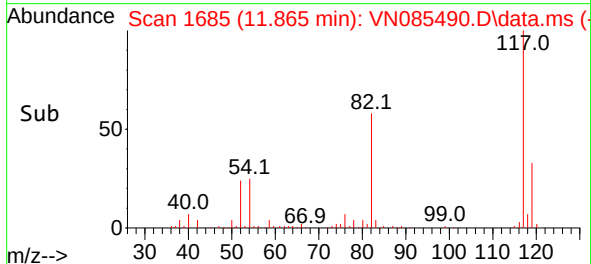
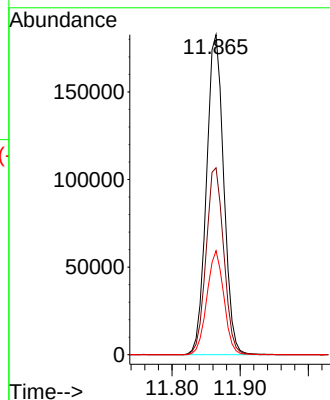
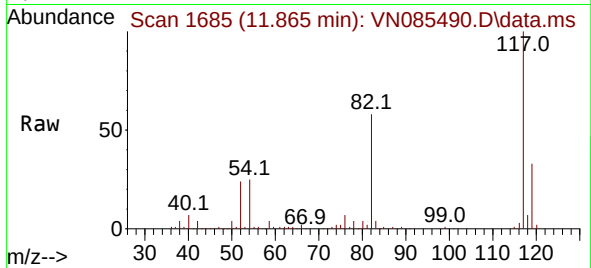




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

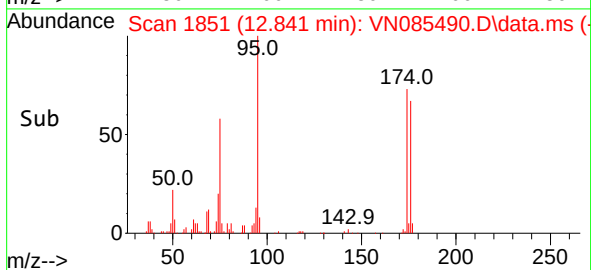
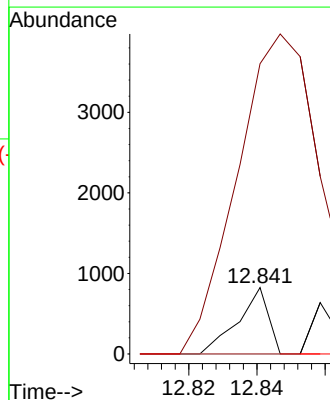
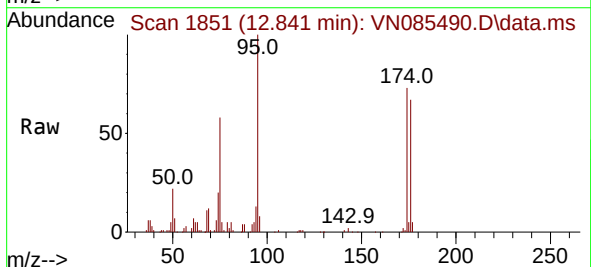
Instrument :
MSVOA_N
ClientSampleId :

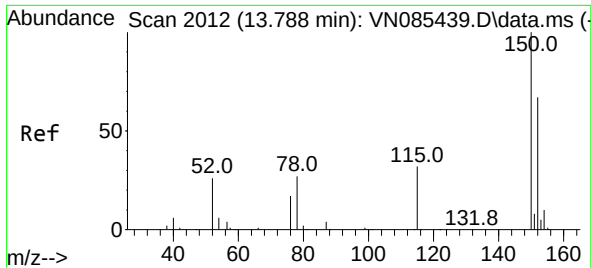
Tgt Ion:117 Resp: 322514
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 32.5 26.6 39.8



#71
Bromoform
Concen: 0.276 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

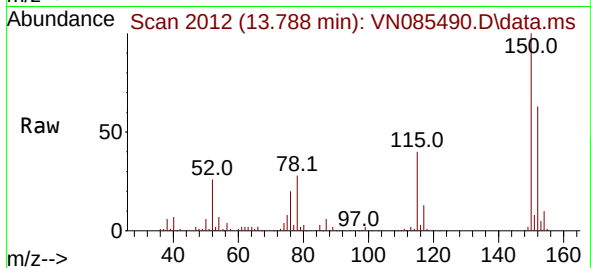
Tgt Ion:173 Resp: 513
Ion Ratio Lower Upper
173 100
175 1057.7 24.4 73.2#
254 0.0 0.0 0.0



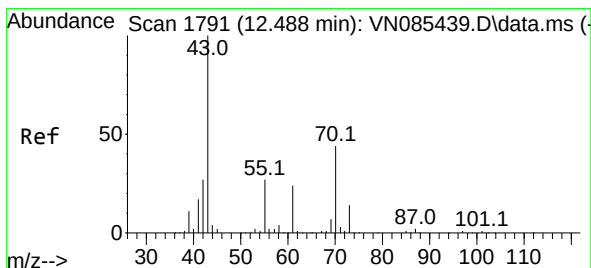
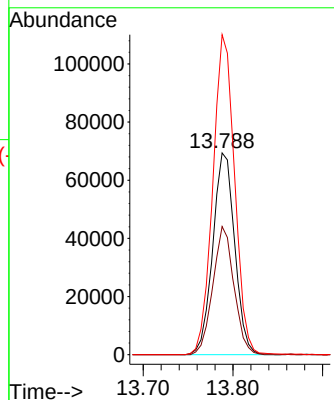
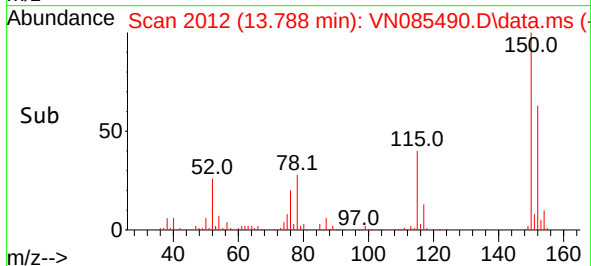


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

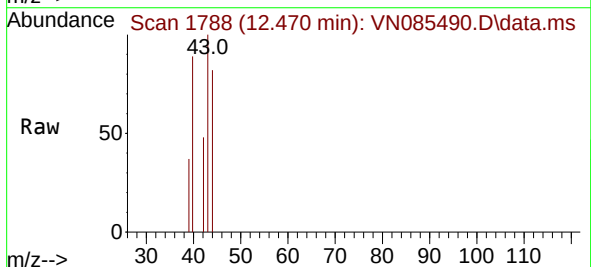
Instrument :
MSVOA_N
ClientSampleId :



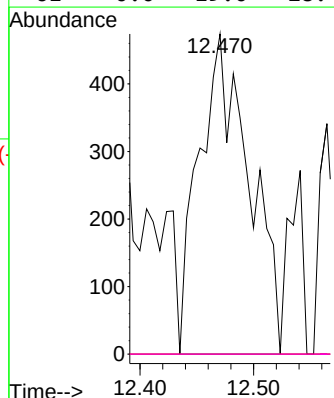
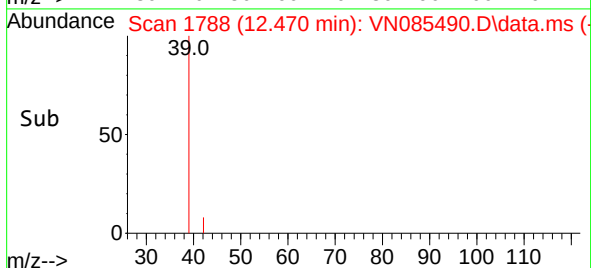
Tgt Ion:152 Resp: 117710
Ion Ratio Lower Upper
152 100
115 61.2 31.1 93.3
150 157.5 0.0 343.6

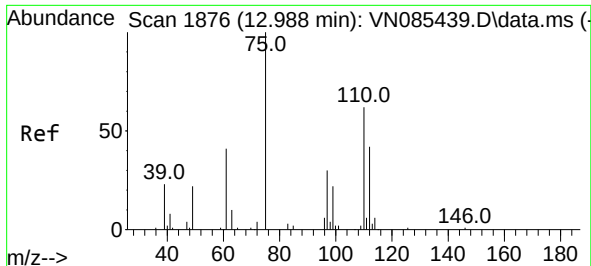


#74
N-ethyl acetate
Concen: 0.407 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.018 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00



Tgt Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 0.0 21.4 32.2#
61 0.0 19.0 28.4#

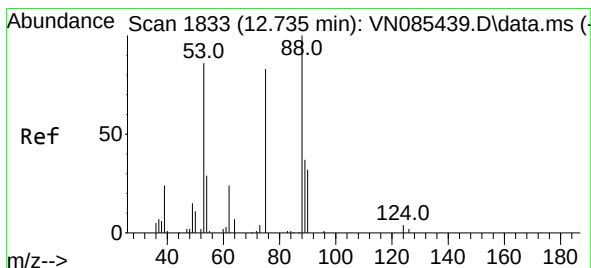
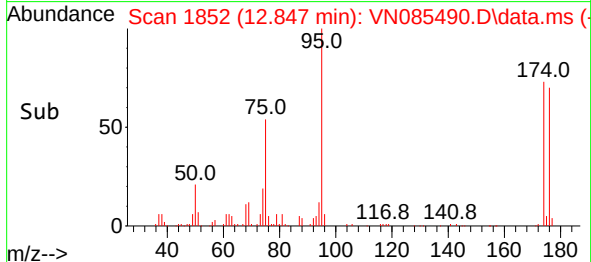
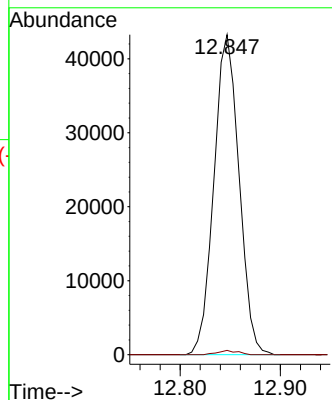
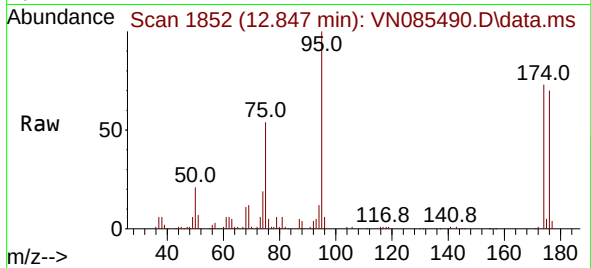




#76
1,2,3-Trichloropropane
Concen: 31.464 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75278
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.129 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085490.D
Acq: 17 Jan 2025 14:00

Tgt Ion: 75 Resp: 75278
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

