

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085810.D
 Acq On : 21 Feb 2025 18:15
 Operator : JC\MD
 Sample : PB166809ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166809ZHE#03

Quant Time: Feb 22 02:39:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

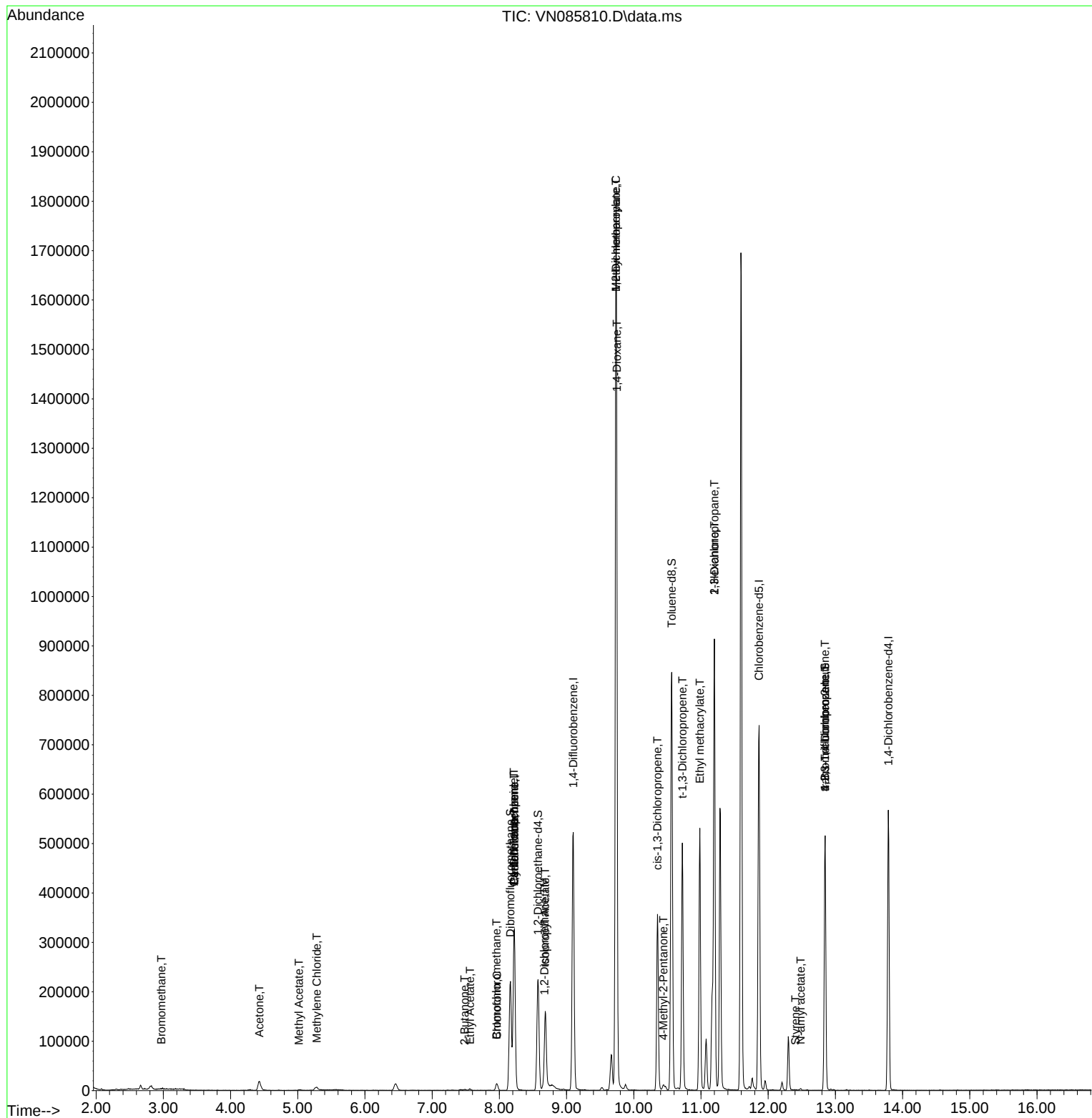
Internal Standards						
1) Pentafluorobenzene	8.224	168	235182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	460217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	443894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	187526	61.503	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.000%			
35) Dibromofluoromethane	8.165	113	164094	54.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.980%			
50) Toluene-d8	10.565	98	611159	55.780	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.560%			
62) 4-Bromofluorobenzene	12.847	95	179673	49.772	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.540%			
Target Compounds						Qvalue
5) Bromomethane	2.971	94	490	0.225	ug/l #	54
16) Acetone	4.430	43	34070	35.314	ug/l	94
18) Methyl Acetate	5.018	43	1219	0.367	ug/l #	89
20) Methylene Chloride	5.283	84	5238	1.688	ug/l #	87
25) 2-Butanone	7.483	43	3382	2.383	ug/l #	84
28) Bromochloromethane	7.959	49	810	0.379	ug/l #	9
30) Chloroform	7.965	83	14324	2.635	ug/l	92
31) Cyclohexane	8.224	56	5083	1.167	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	19848	4.657	ug/l #	49
37) Ethyl Acetate	7.565	43	4116	1.174	ug/l #	83
38) Carbon Tetrachloride	8.218	117	24992	4.935	ug/l #	20
42) 1,2-Dichloroethane	8.671	62	1487	0.334	ug/l #	73
43) Isopropyl Acetate	8.682	43	177809	28.654	ug/l #	88
45) 1,2-Dichloropropane	9.735	63	2543	0.771	ug/l #	43
48) Methyl methacrylate	9.735	41	160512	61.622	ug/l #	36
49) 1,4-Dioxane	9.747	88	129	2.604	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6364	1.882	ug/l	94
53) t-1,3-Dichloropropene	10.724	75	1268	0.276	ug/l #	84
54) cis-1,3-Dichloropropene	10.353	75	64417	12.767	ug/l #	68
56) Ethyl methacrylate	10.982	69	3189	1.236	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	9457	1.779	ug/l #	42
59) 2-Hexanone	11.200	43	116270	49.980	ug/l #	50
70) Styrene	12.406	104	54	0.590	ug/l #	26
74) N-amyl acetate	12.482	43	1631	0.432	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	88905	25.603	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88905	74.703	ug/l #	13

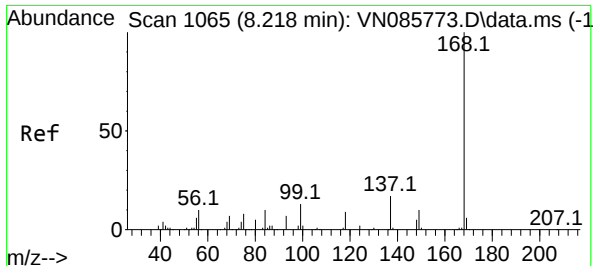
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
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Quant Time: Feb 22 02:39:14 2025
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
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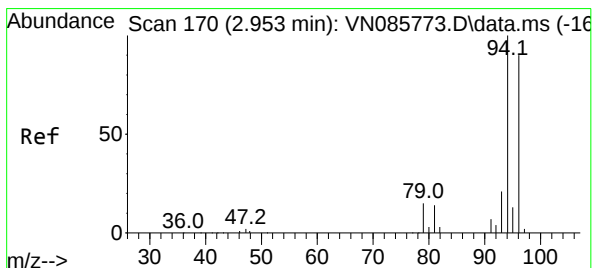
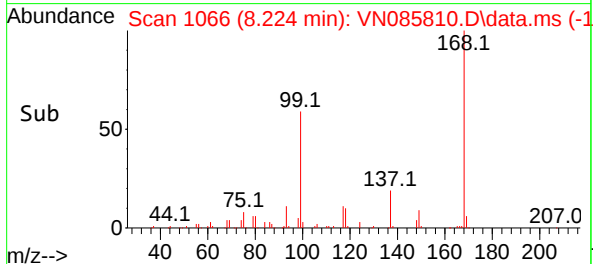
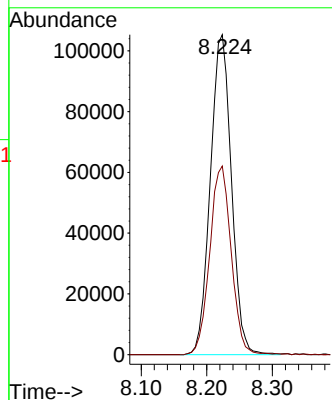
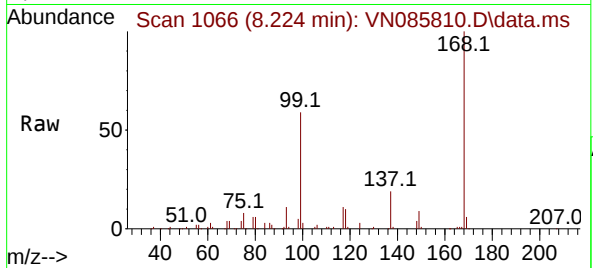




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

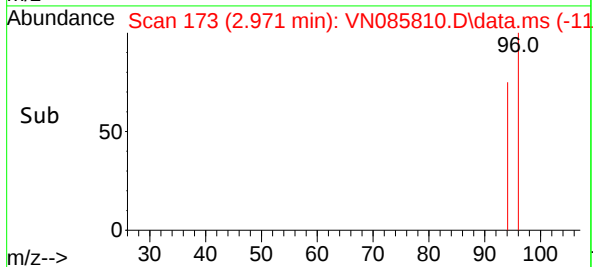
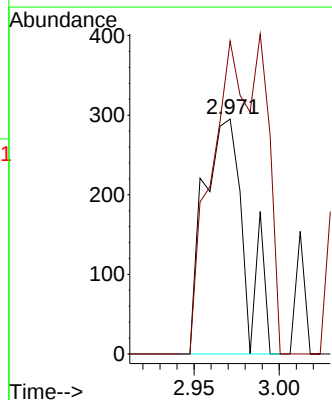
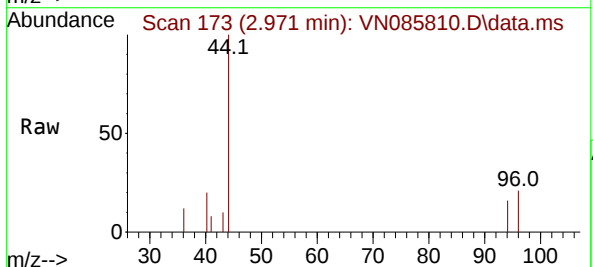
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

Tgt Ion:168 Resp: 235182
Ion Ratio Lower Upper
168 100
99 58.9 47.9 71.9



#5
Bromomethane
Concen: 0.225 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 94 Resp: 490
Ion Ratio Lower Upper
94 100
96 133.2 71.7 107.5#

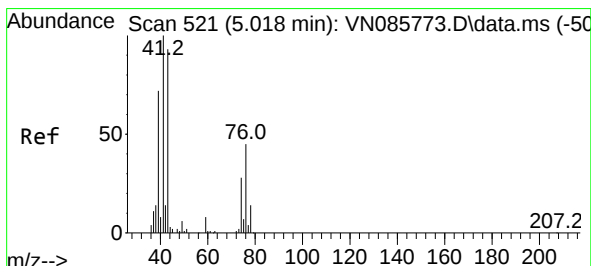
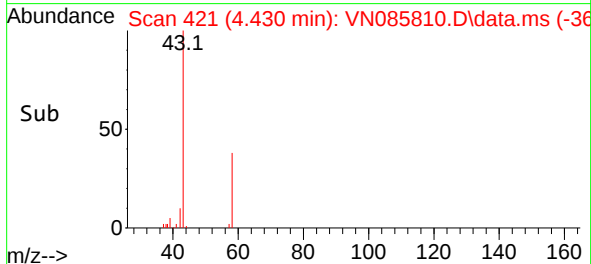
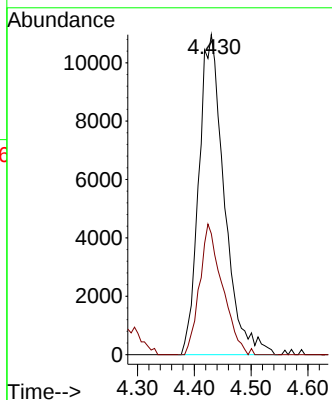
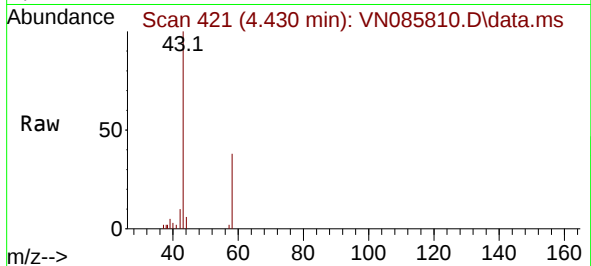




#16
Acetone
Concen: 35.314 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

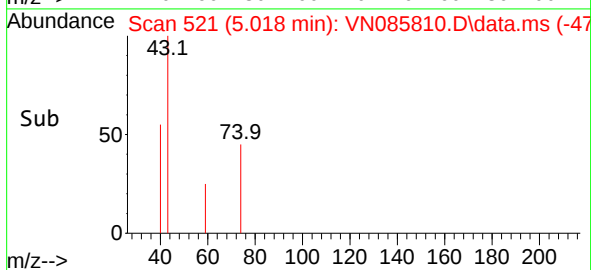
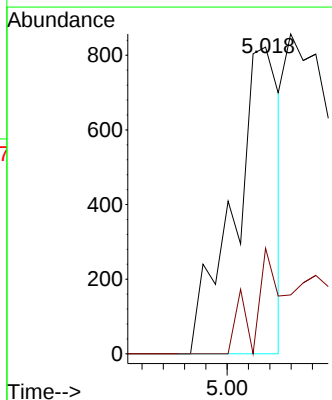
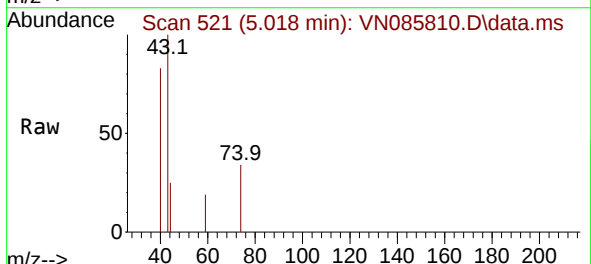
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

Tgt Ion: 43 Resp: 34070
Ion Ratio Lower Upper
43 100
58 37.8 27.5 41.3



#18
Methyl Acetate
Concen: 0.367 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

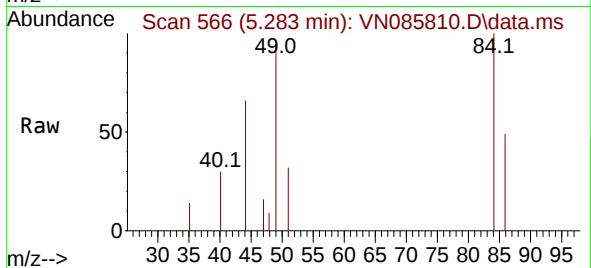
Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
74 22.2 22.2 33.4#



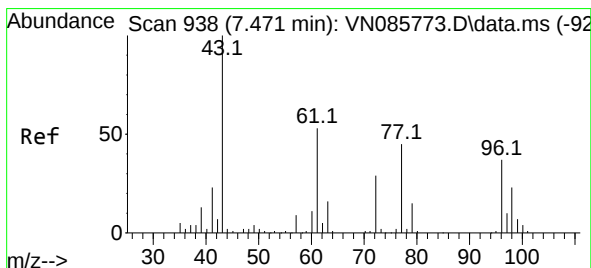
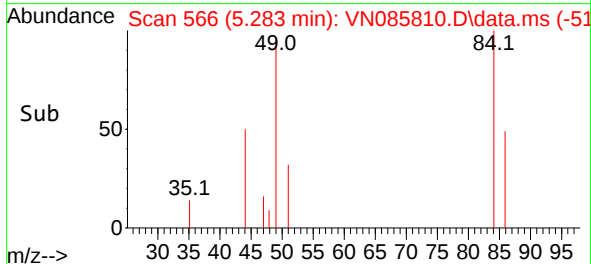
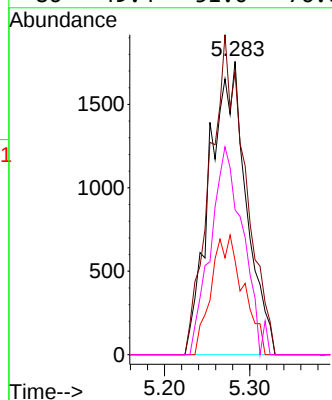


#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

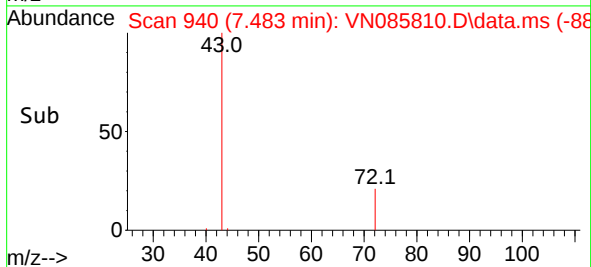
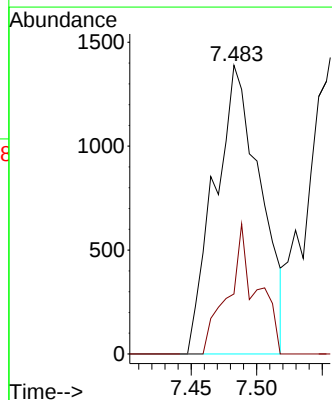
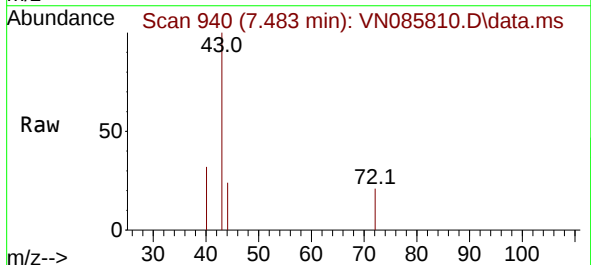


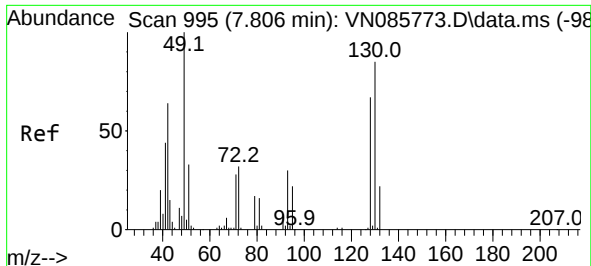
Tgt Ion: 84 Resp: 5238
Ion Ratio Lower Upper
84 100
49 96.4 88.4 132.6
51 32.0 26.6 40.0
86 49.4 51.0 76.6#



#25
2-Butanone
Concen: 2.383 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 43 Resp: 3382
Ion Ratio Lower Upper
43 100
72 20.8 23.6 35.4#

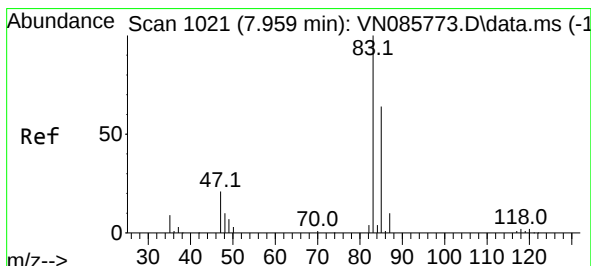
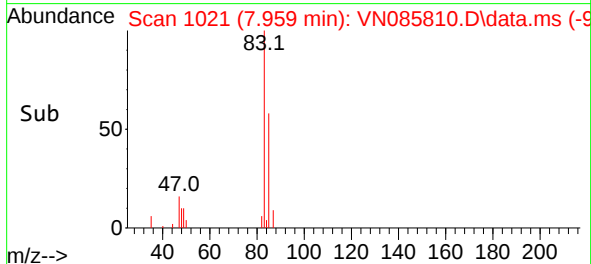
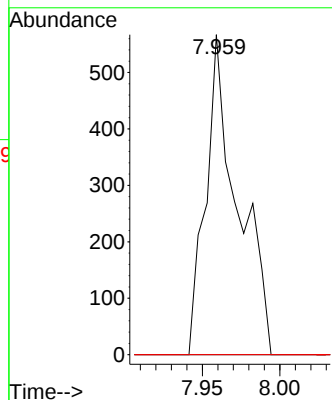
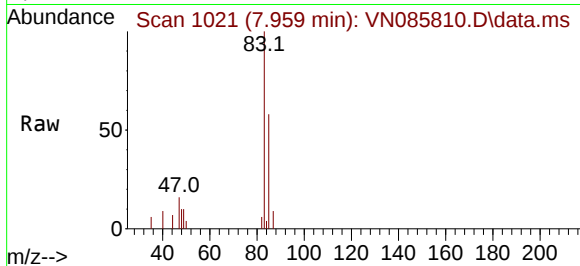




#28
Bromochloromethane
Concen: 0.379 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.153 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

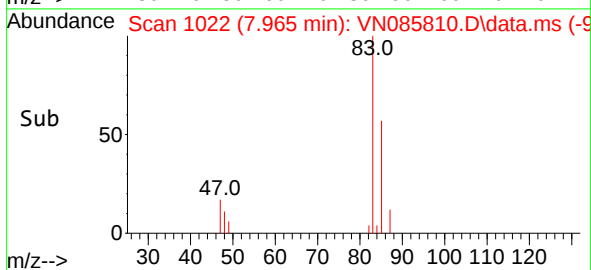
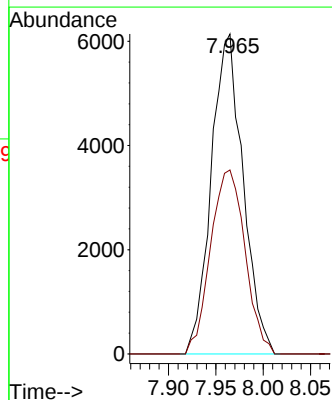
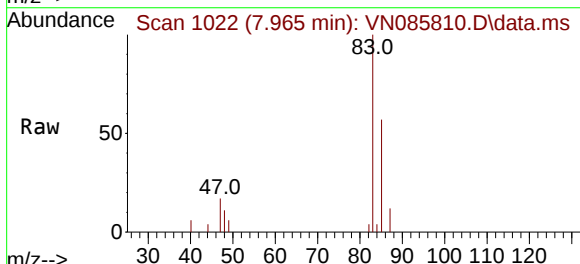
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

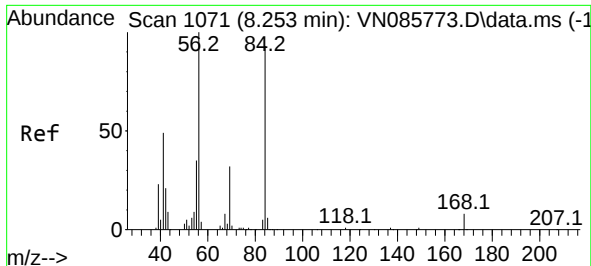
Tgt Ion: 49 Resp: 810
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 68.0 102.0#



#30
Chloroform
Concen: 2.635 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

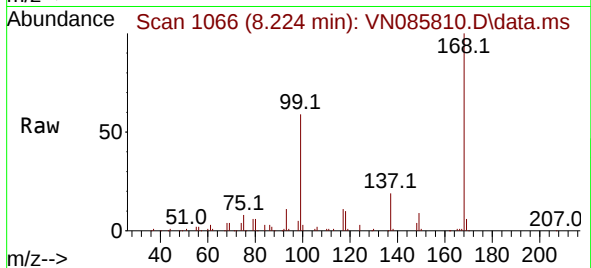
Tgt Ion: 83 Resp: 14324
Ion Ratio Lower Upper
83 100
85 57.5 50.9 76.3





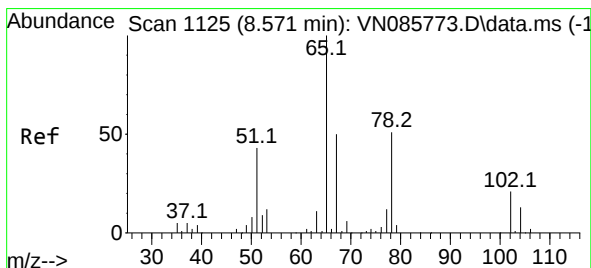
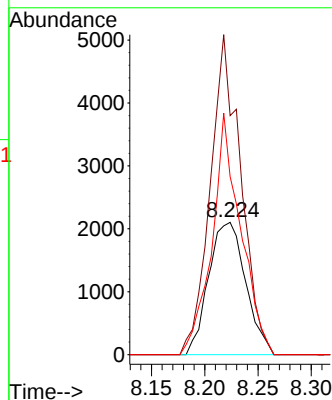
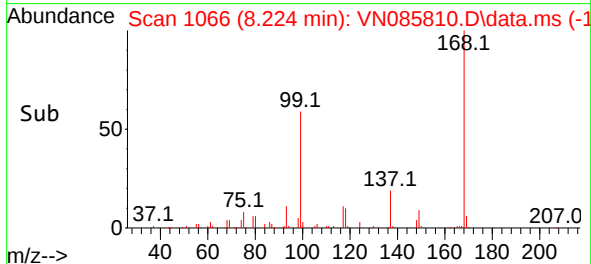
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03



Tgt Ion: 56 Resp: 5083

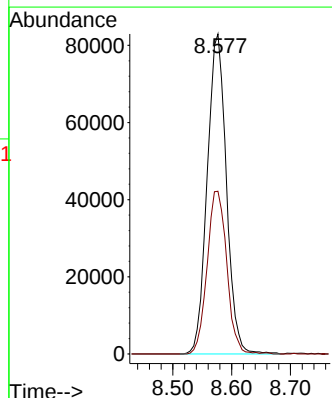
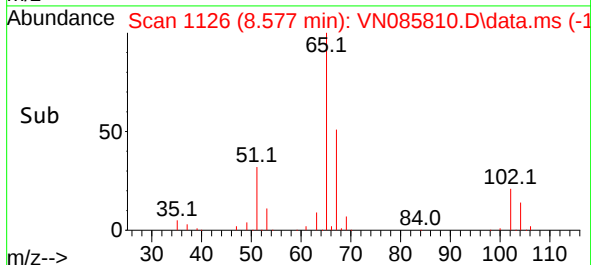
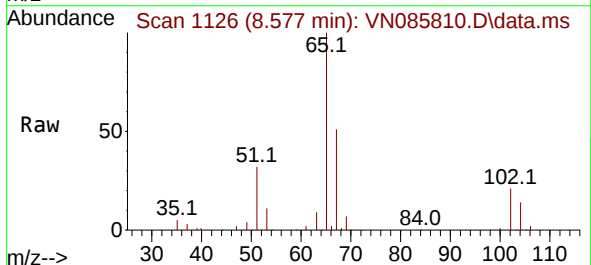
Ion	Ratio	Lower	Upper
56	100		
69	180.6	25.8	38.6#
84	134.5	74.5	111.7#

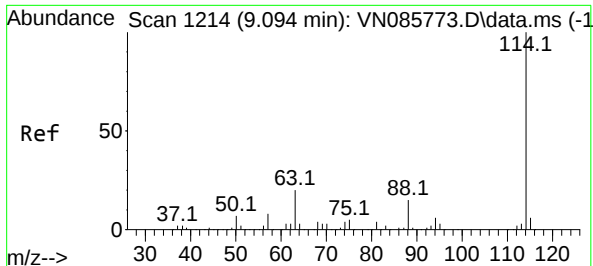


#33
1,2-Dichloroethane-d4
Concen: 61.503 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 65 Resp: 187526

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

Instrument :

MSVOA_N

ClientSampleId :

PB166809ZHE#03

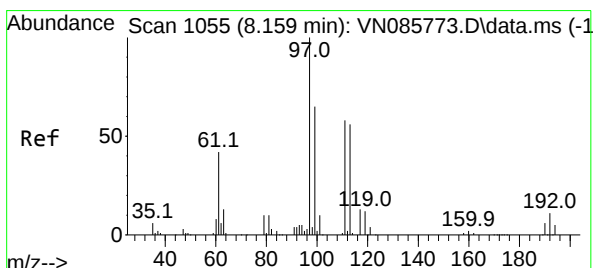
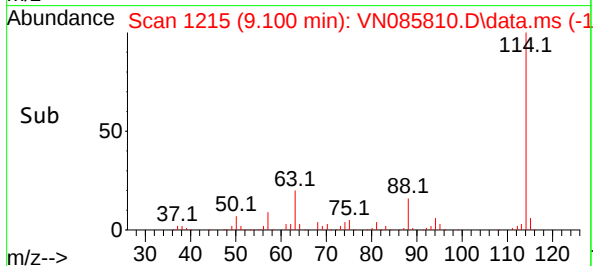
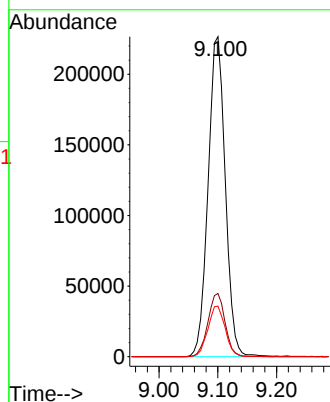
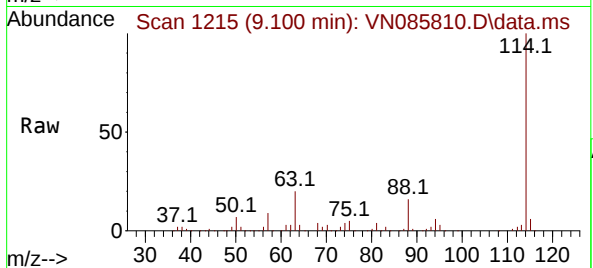
Tgt Ion:114 Resp: 460217

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 15.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.490 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

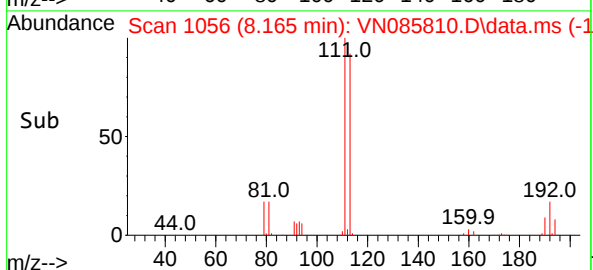
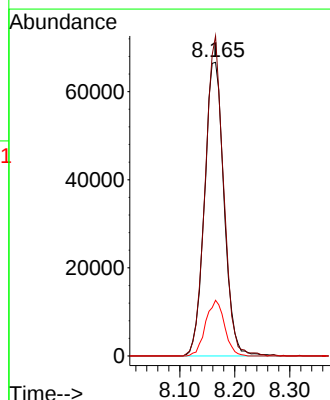
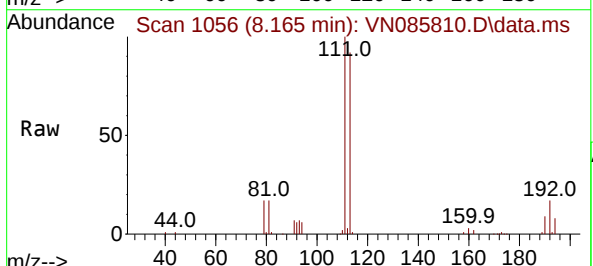
Tgt Ion:113 Resp: 164094

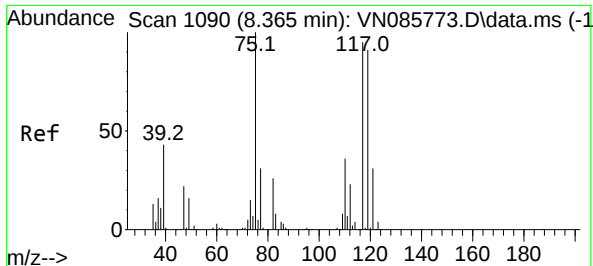
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 18.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

Instrument :

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ClientSampleId :

PB166809ZHE#03

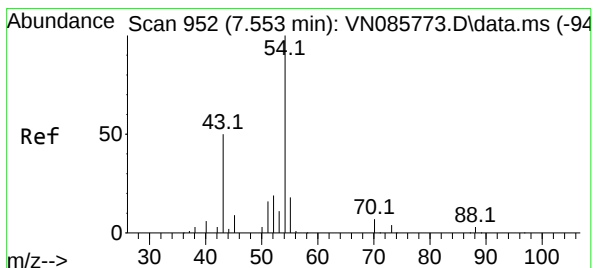
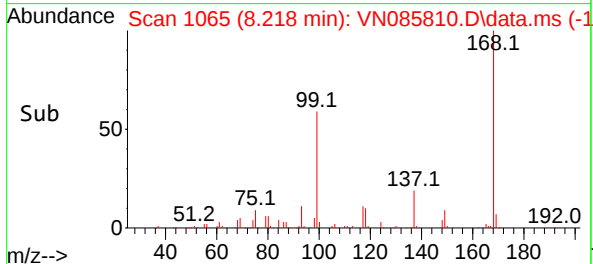
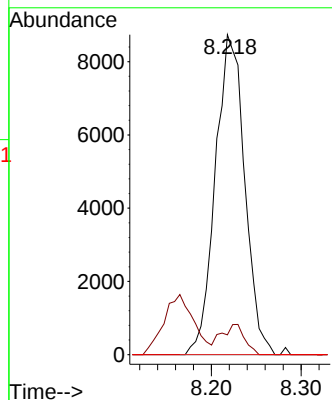
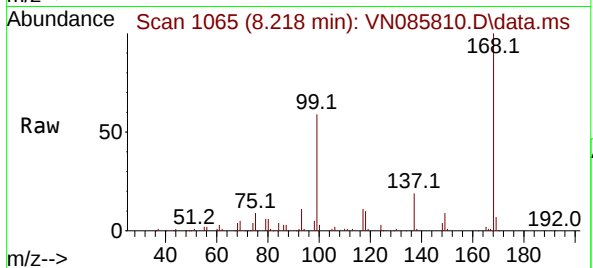
Tgt Ion: 75 Resp: 19848

Ion Ratio Lower Upper

75 100

110 7.5 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.174 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085810.D

Acq: 21 Feb 2025 18:15

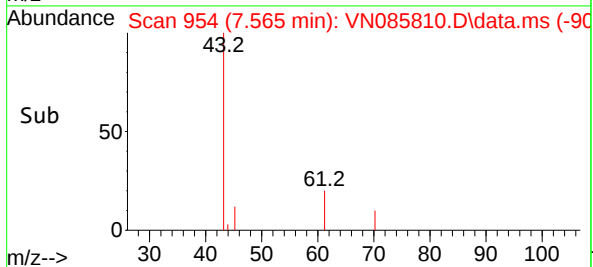
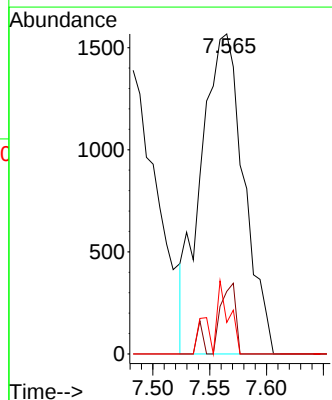
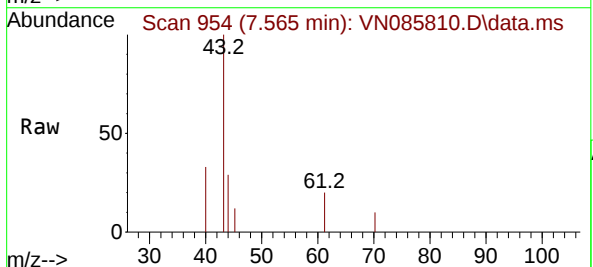
Tgt Ion: 43 Resp: 4116

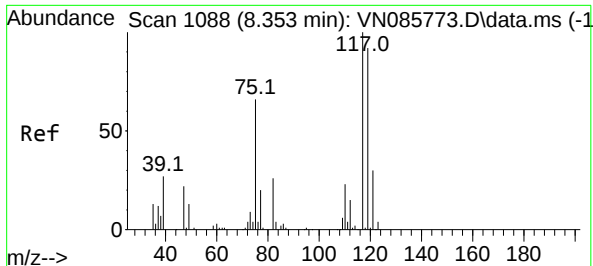
Ion Ratio Lower Upper

43 100

61 7.6 12.2 18.2#

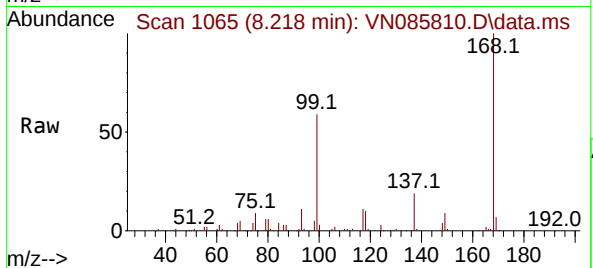
70 6.2 9.5 14.3#



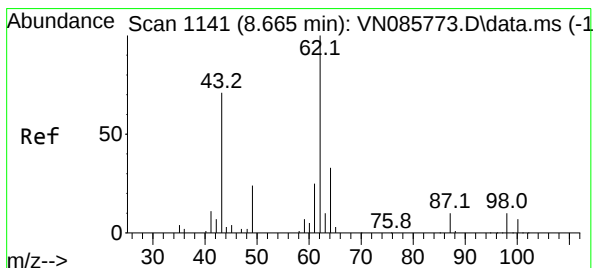
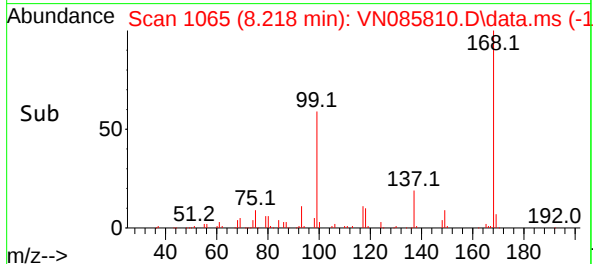
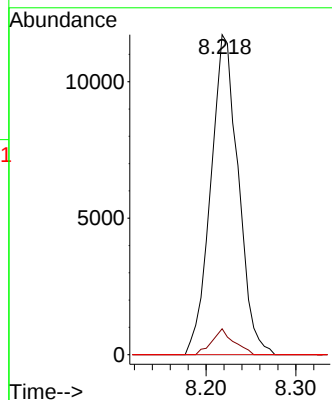


#38
Carbon Tetrachloride
Concen: 4.935 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

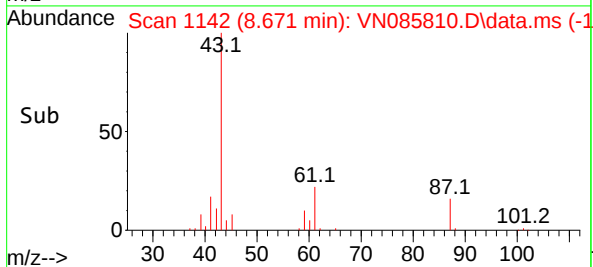
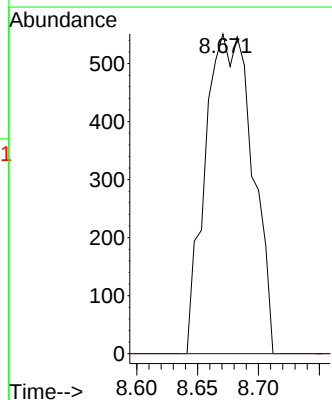
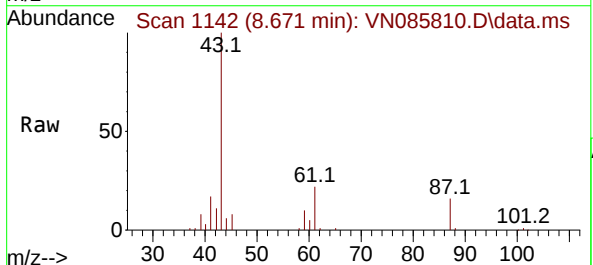


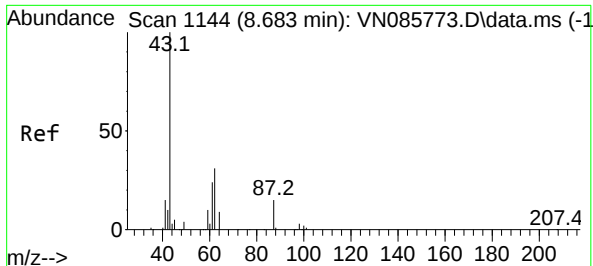
Tgt Ion:117 Resp: 24992
Ion Ratio Lower Upper
117 100
119 8.1 73.8 110.6#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.334 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 62 Resp: 1487
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

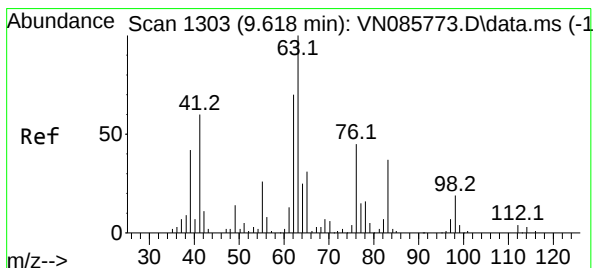
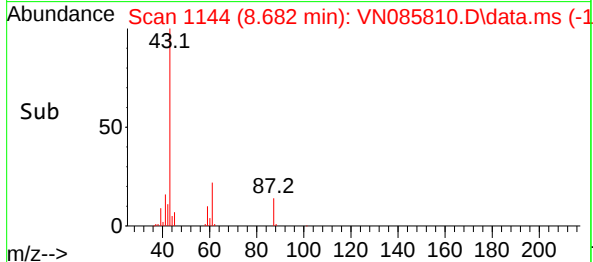
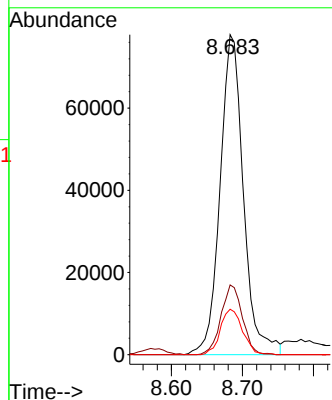
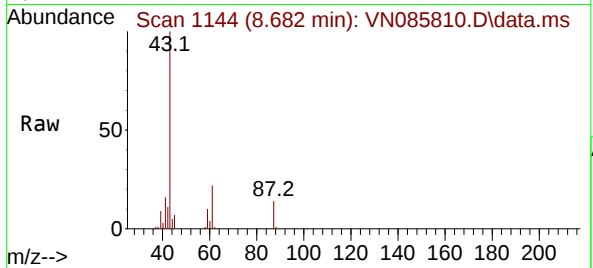




#43
Isopropyl Acetate
Concen: 28.654 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

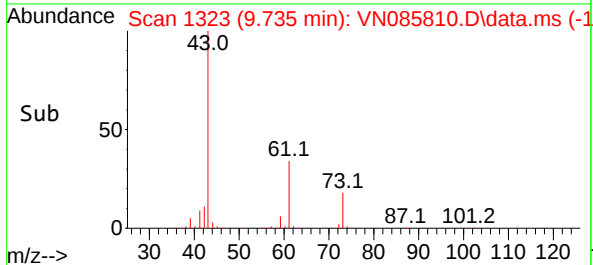
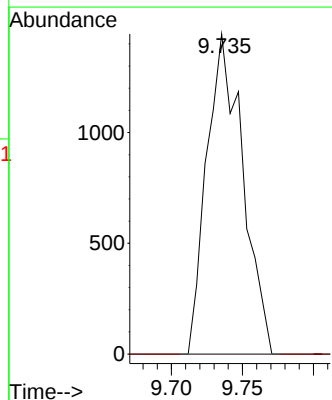
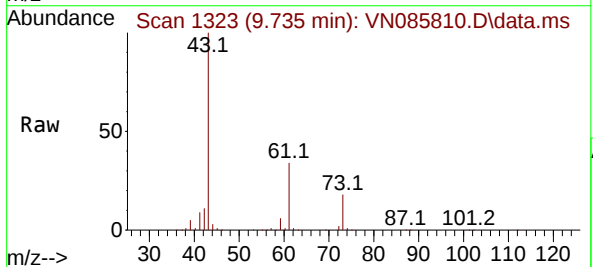
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

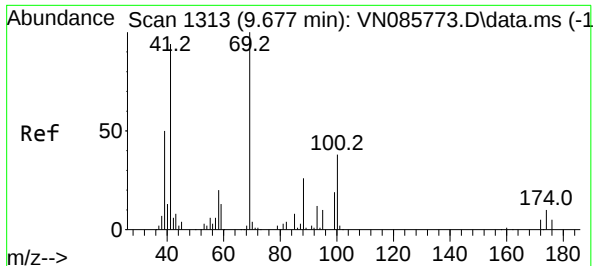
Tgt Ion: 43 Resp: 177809
Ion Ratio Lower Upper
43 100
61 19.9 22.6 34.0#
87 13.4 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.771 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 63 Resp: 2543
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

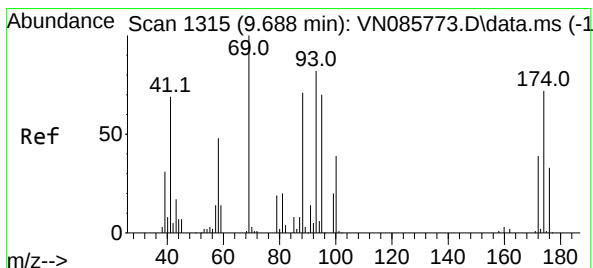
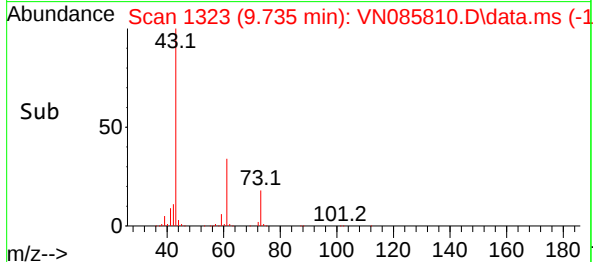
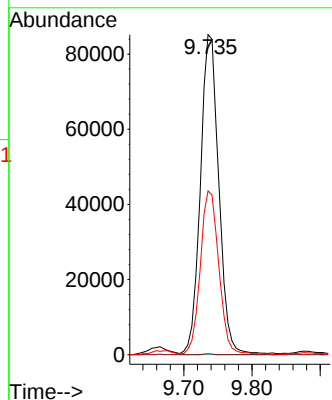
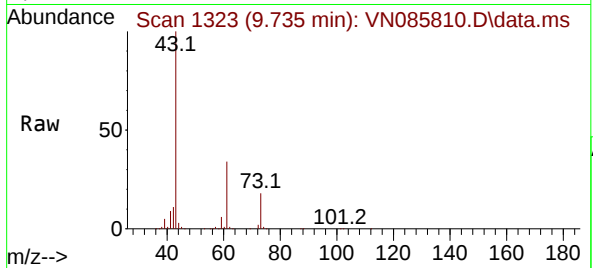




#48
Methyl methacrylate
Concen: 61.622 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

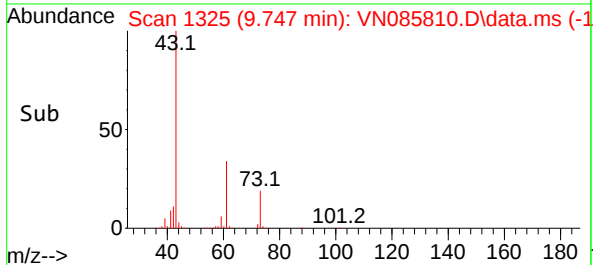
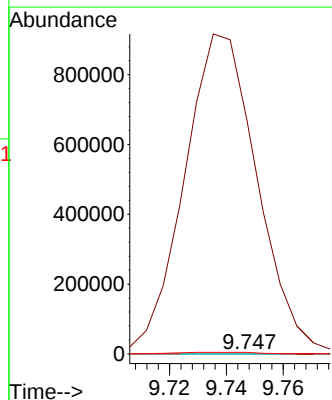
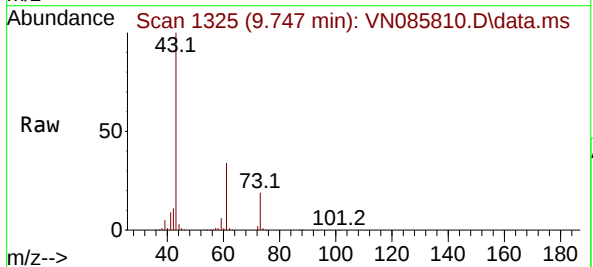
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

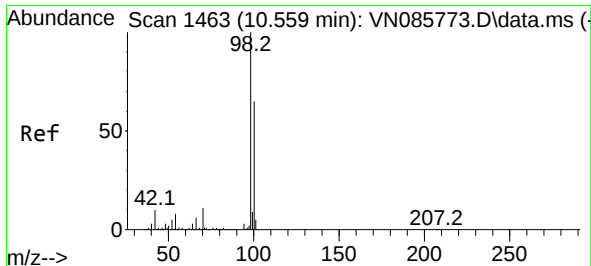
Tgt Ion: 41 Resp: 160512
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 51.4 42.3 63.5



#49
1,4-Dioxane
Concen: 2.604 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 1281008.5 18.6 27.8#
58 7865.9 56.7 85.1#

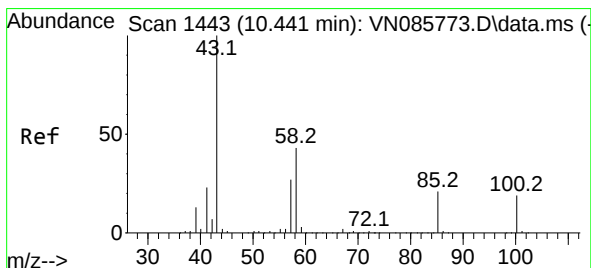
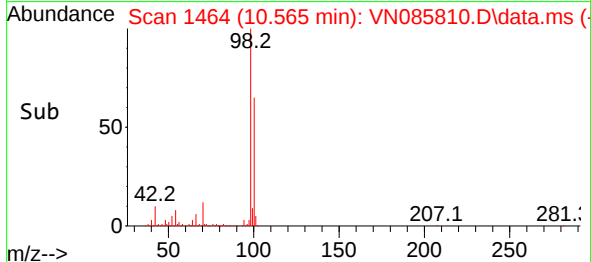
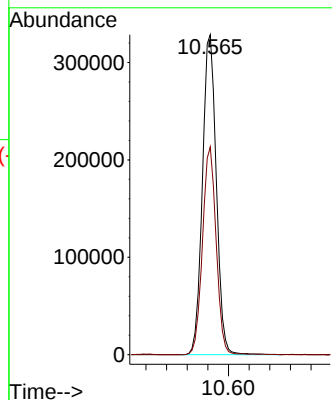
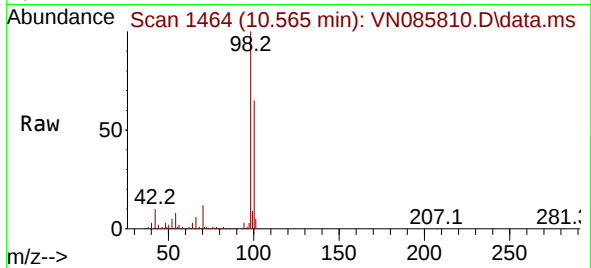




#50
Toluene-d8
Concen: 55.780 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

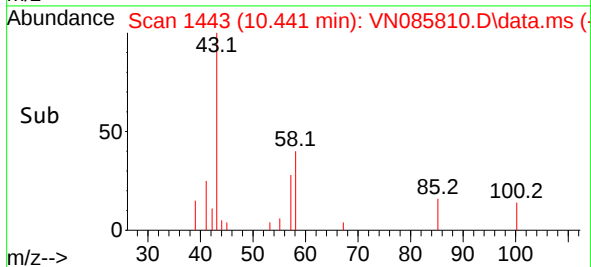
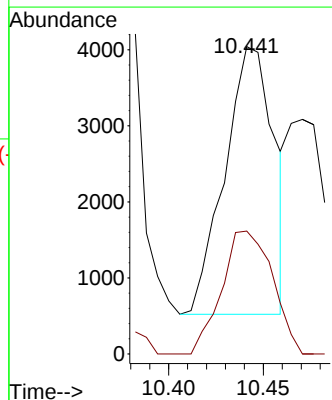
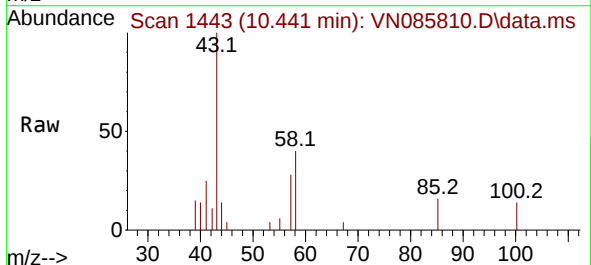
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

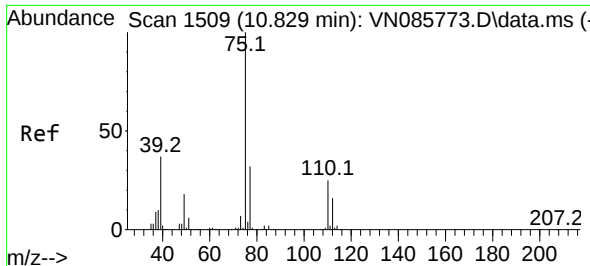
Tgt Ion: 98 Resp: 611159
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.882 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 43 Resp: 6364
Ion Ratio Lower Upper
43 100
58 47.5 34.6 52.0

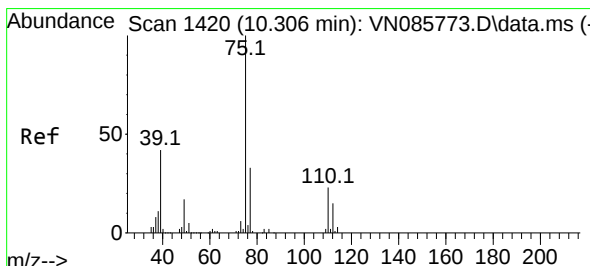
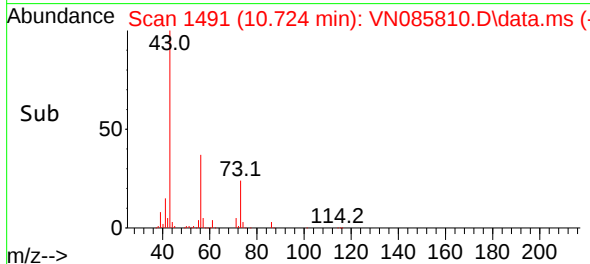
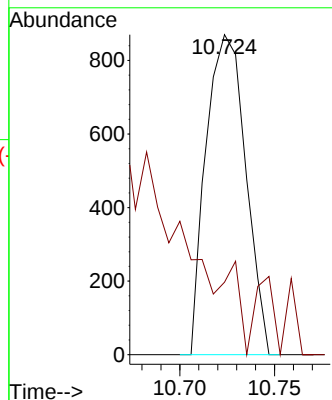
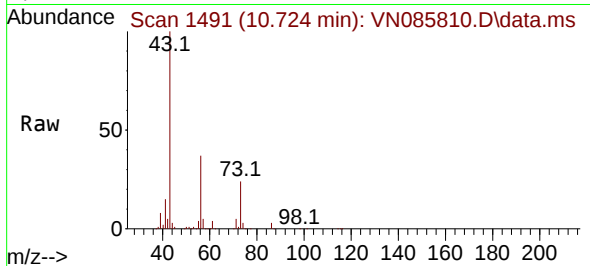




#53
 t-1,3-Dichloropropene
 Concen: 0.276 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.105 min
 Lab File: VN085810.D
 Acq: 21 Feb 2025 18:15

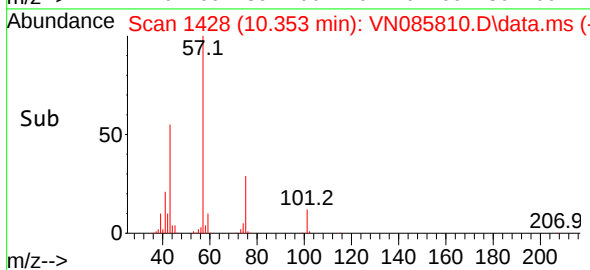
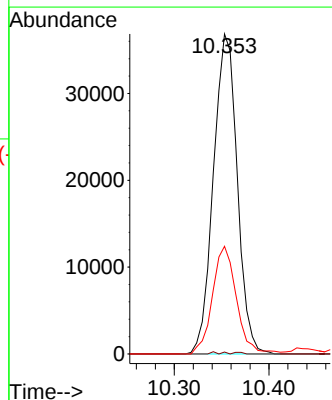
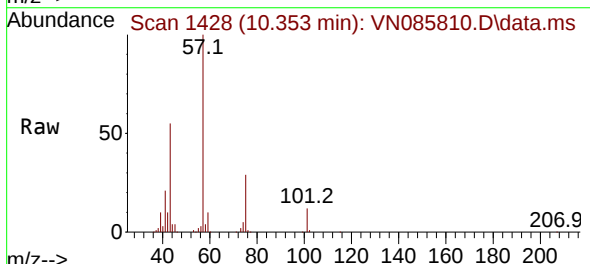
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166809ZHE#03

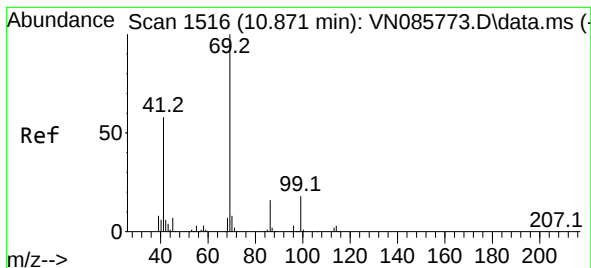
Tgt Ion: 75 Resp: 1268
 Ion Ratio Lower Upper
 75 100
 77 22.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.767 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085810.D
 Acq: 21 Feb 2025 18:15

Tgt Ion: 75 Resp: 64417
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 33.6 33.4 50.0

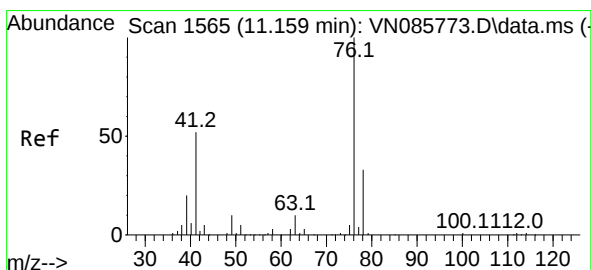
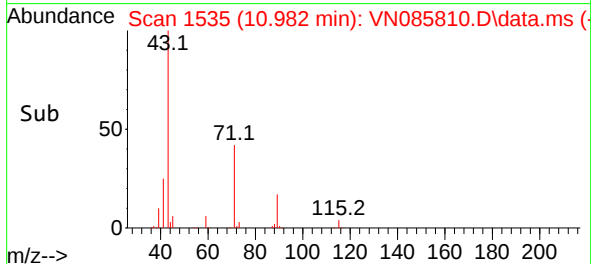
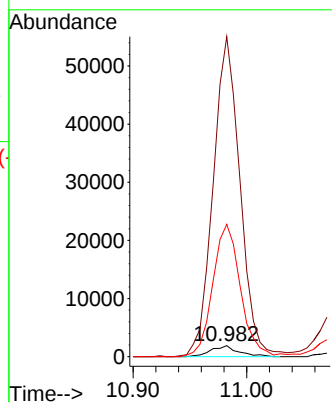
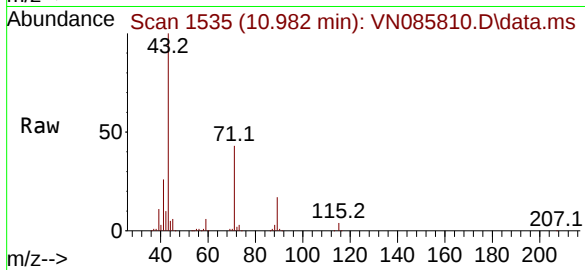




#56
Ethyl methacrylate
Concen: 1.236 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

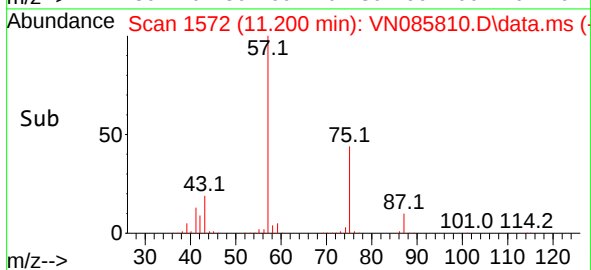
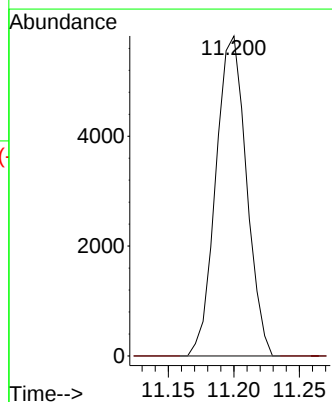
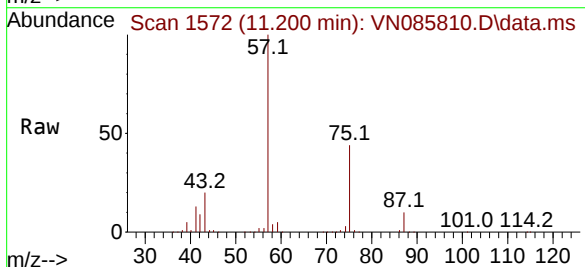
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

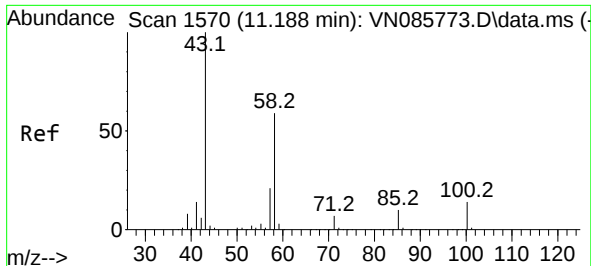
Tgt Ion: 69 Resp: 3189
Ion Ratio Lower Upper
69 100
41 2845.5 46.0 69.0#
39 1211.7 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.779 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 76 Resp: 9457
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

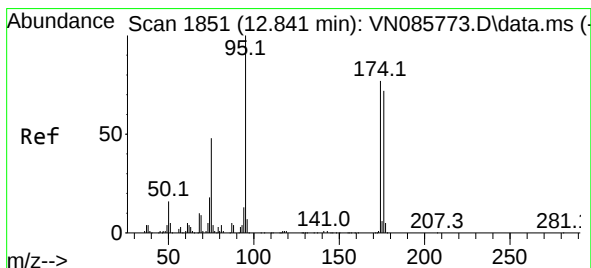
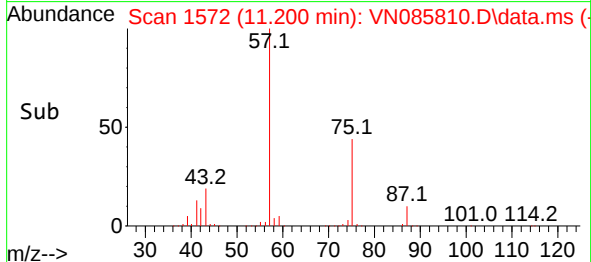
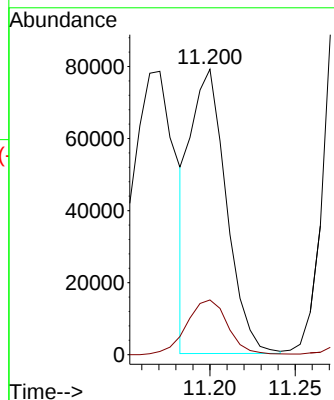
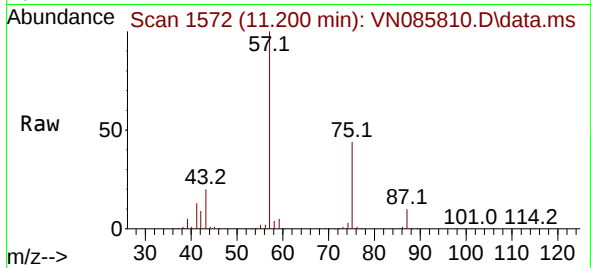




#59
2-Hexanone
Concen: 49.980 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

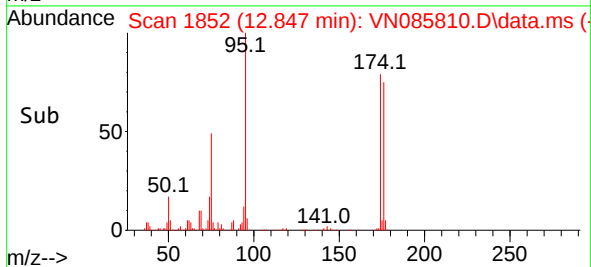
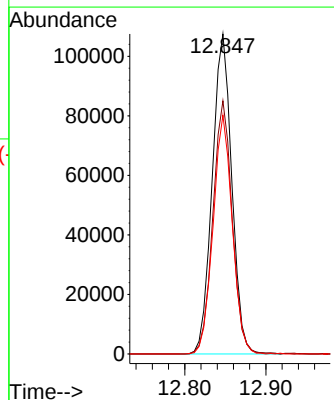
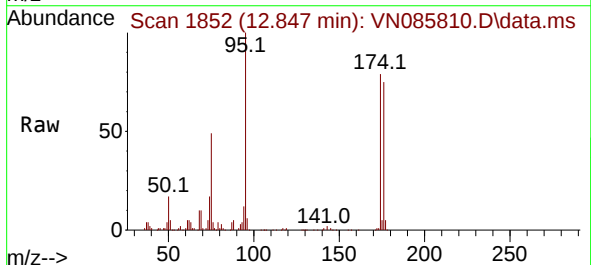
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

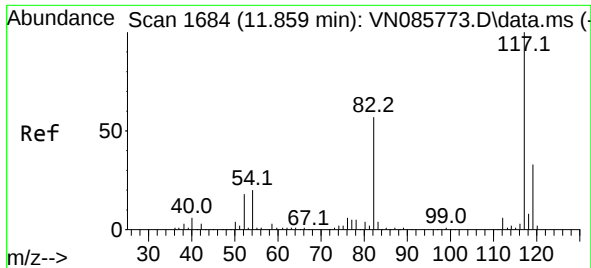
Tgt Ion: 43 Resp: 116270
Ion Ratio Lower Upper
43 100
58 22.1 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 49.772 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 95 Resp: 179673
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.4
176 73.4 0.0 146.6

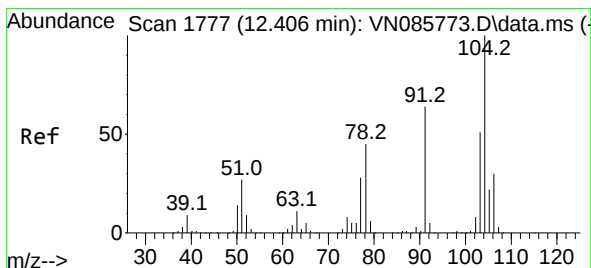
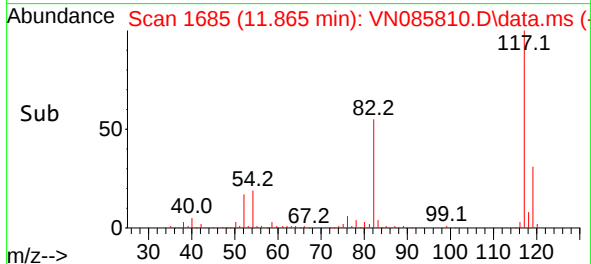
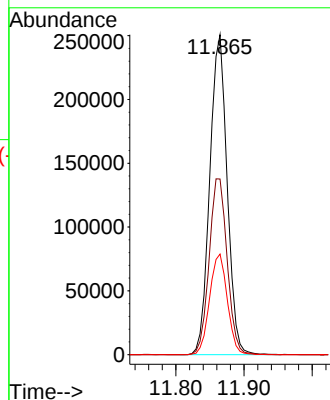
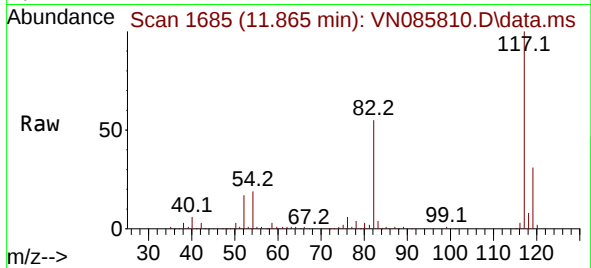




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

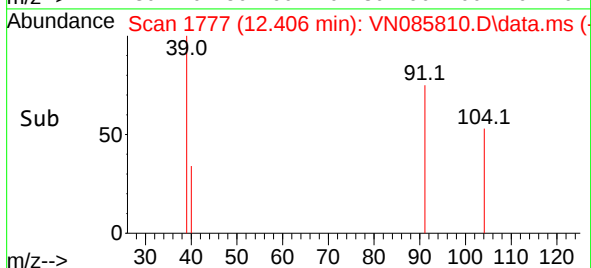
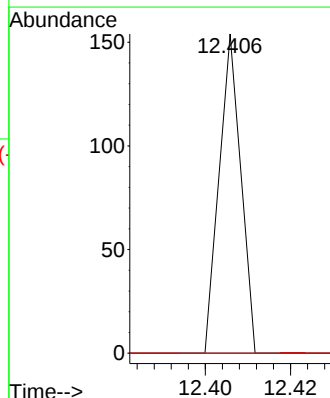
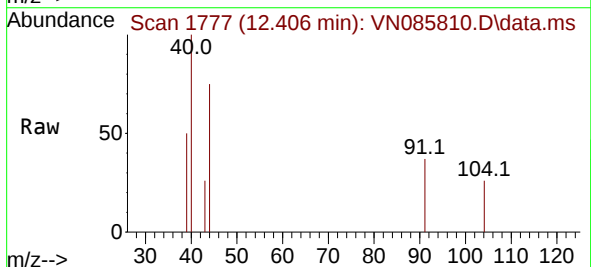
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

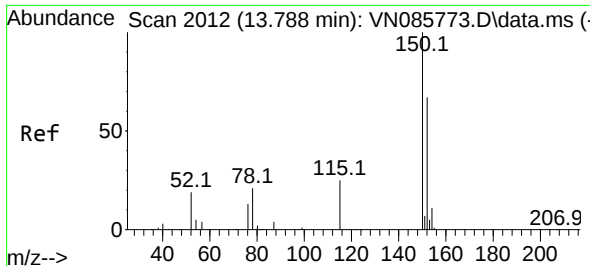
Tgt Ion:117 Resp: 443894
Ion Ratio Lower Upper
117 100
82 54.9 45.7 68.5
119 31.5 26.2 39.2



#70
Styrene
Concen: 0.590 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion:104 Resp: 54
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

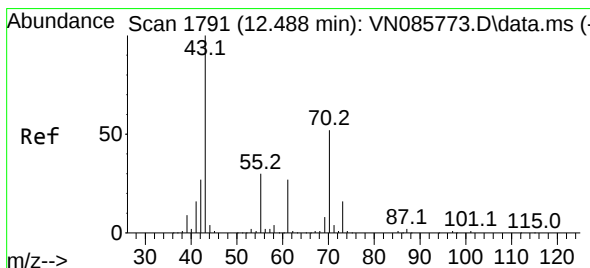
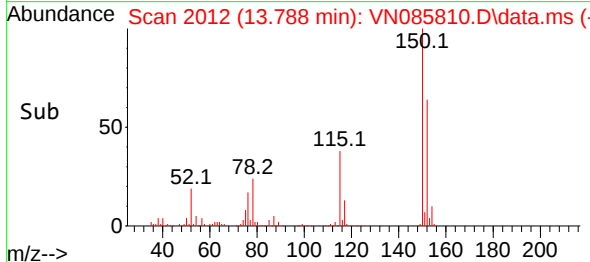
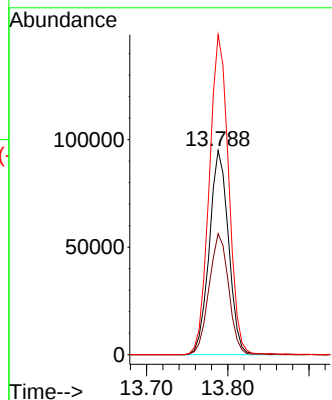
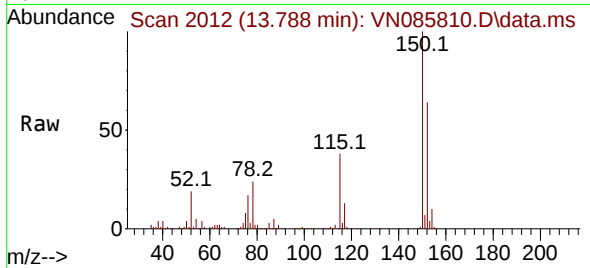




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

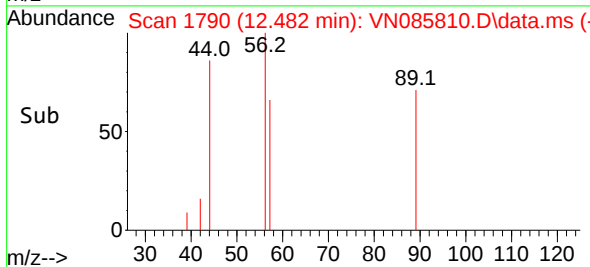
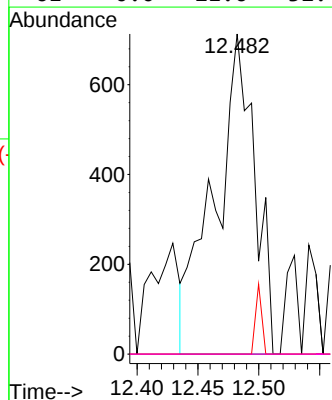
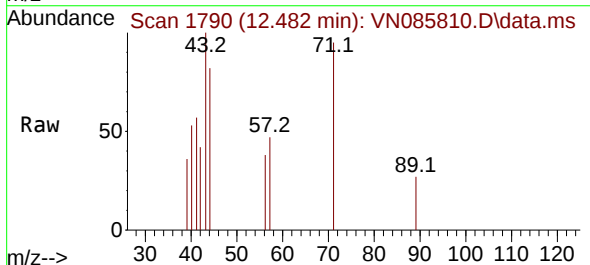
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

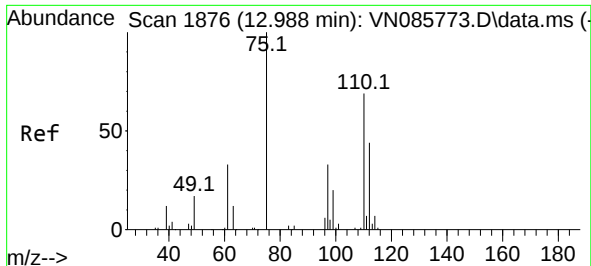
Tgt Ion:152 Resp: 156324
Ion Ratio Lower Upper
152 100
115 60.3 30.4 91.3
150 157.9 0.0 345.4



#74
N-ethyl acetate
Concen: 0.432 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

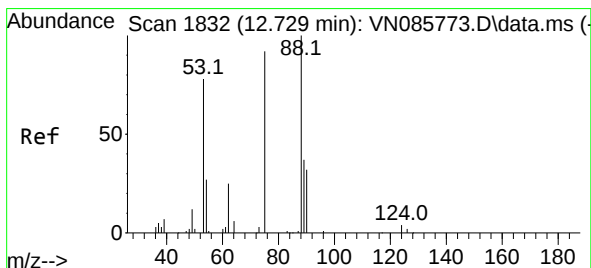
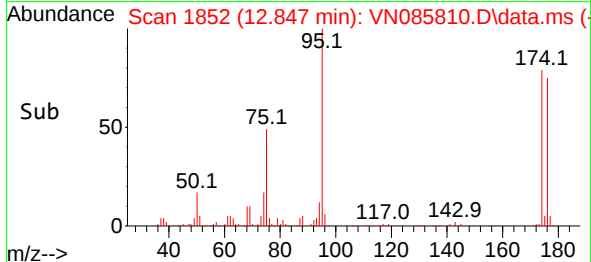
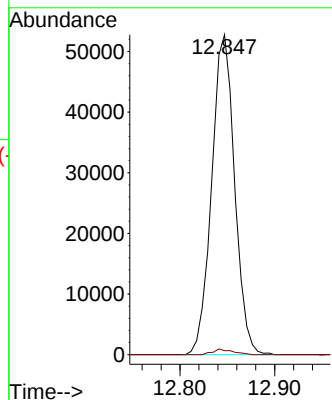
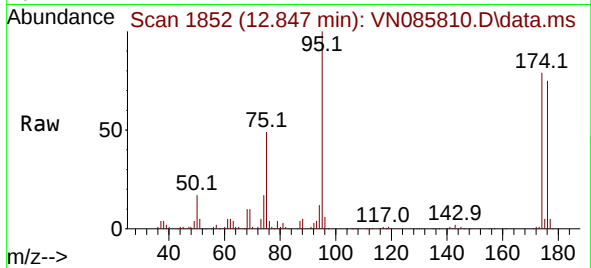




#76
1,2,3-Trichloropropane
Concen: 25.603 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#03

Tgt Ion: 75 Resp: 88905
Ion Ratio Lower Upper
75 100
77 1.5 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.703 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085810.D
Acq: 21 Feb 2025 18:15

Tgt Ion: 75 Resp: 88905
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

