

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085938.D
 Acq On : 11 Mar 2025 17:52
 Operator : JC\MD
 Sample : PB167050ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 01:25:59 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)

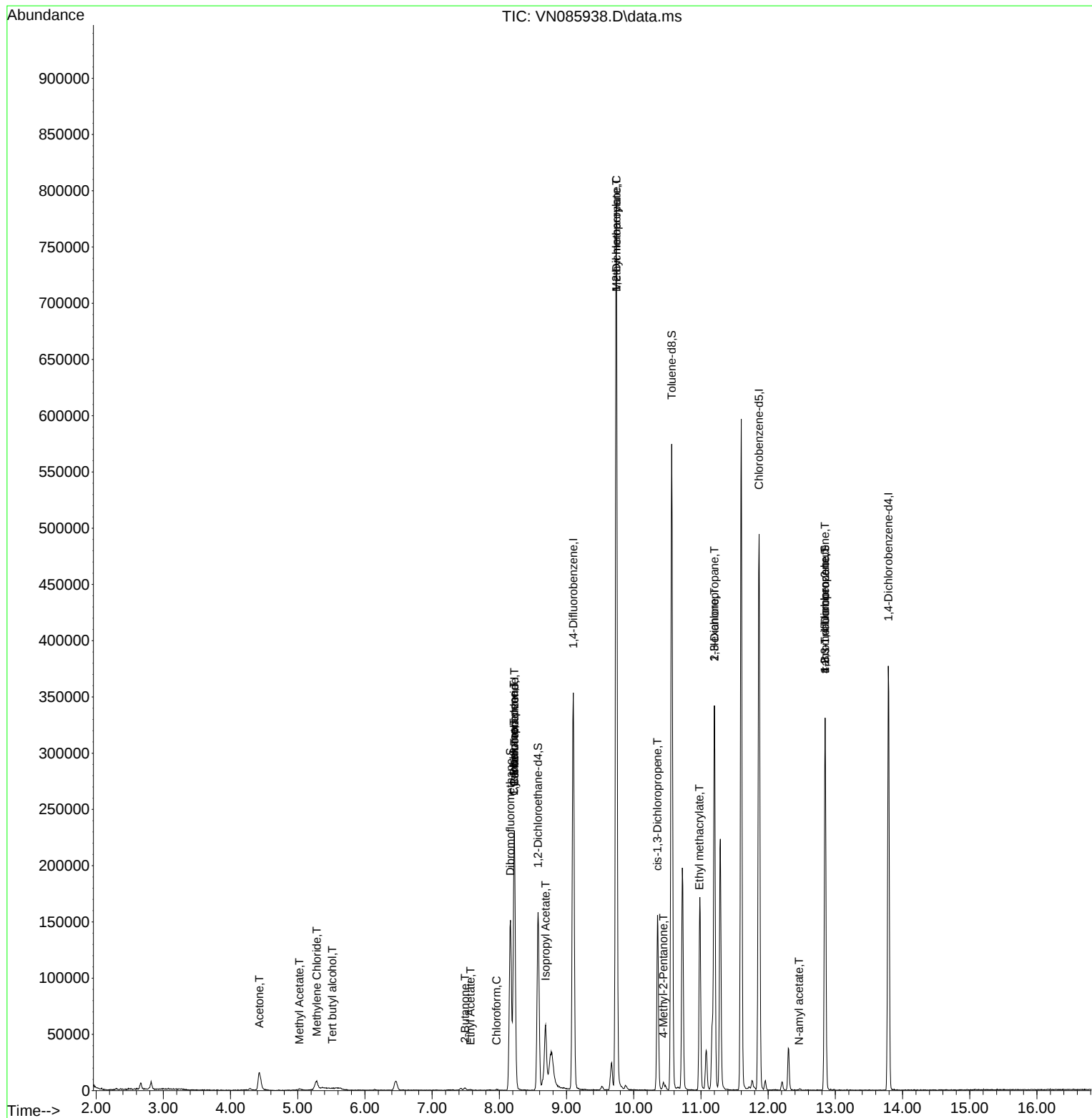
Internal Standards						
1) Pentafluorobenzene	8.224	168	160603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129530	62.209	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.420%			
35) Dibromofluoromethane	8.165	113	110168	54.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.800%			
50) Toluene-d8	10.565	98	401954	55.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.100%			
62) 4-Bromofluorobenzene	12.847	95	115833	48.149	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.300%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	109	0.426	ug/l #	72
16) Acetone	4.430	43	29765	45.178	ug/l	97
18) Methyl Acetate	5.024	43	2800	1.236	ug/l #	59
20) Methylene Chloride	5.283	84	6351	2.998	ug/l	96
25) 2-Butanone	7.489	43	3592	3.706	ug/l	92
30) Chloroform	7.959	83	769	0.207	ug/l	97
31) Cyclohexane	8.218	56	3485	1.172	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13440	4.732	ug/l #	44
37) Ethyl Acetate	7.571	43	1315	0.563	ug/l #	66
38) Carbon Tetrachloride	8.224	117	16865	4.997	ug/l #	19
43) Isopropyl Acetate	8.689	43	67944	16.194	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	1008	0.459	ug/l #	43
48) Methyl methacrylate	9.741	41	70430	40.573	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	4439	1.970	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	27879	8.292	ug/l #	67
56) Ethyl methacrylate	10.977	69	1340	0.950	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3836	1.083	ug/l #	42
59) 2-Hexanone	11.200	43	43790	28.246	ug/l #	51
74) N-amyl acetate	12.459	43	1045	0.413	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	58515	25.134	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58515	73.334	ug/l #	13

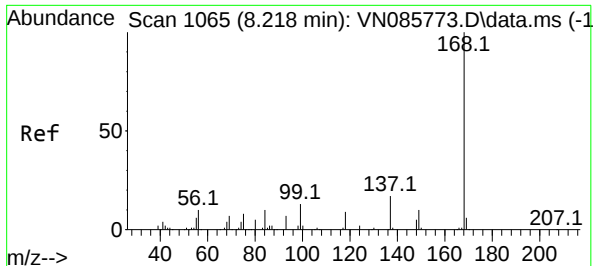
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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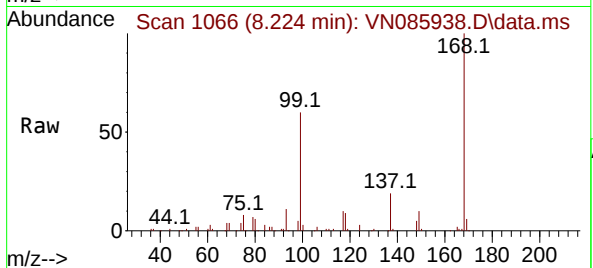
Quant Time: Mar 12 01:25:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



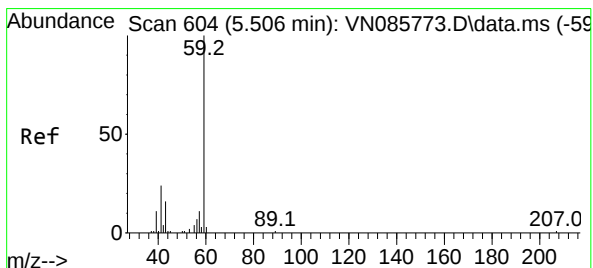
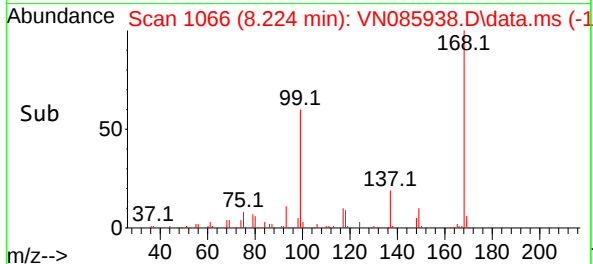
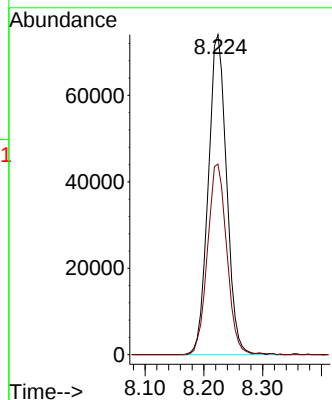


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :

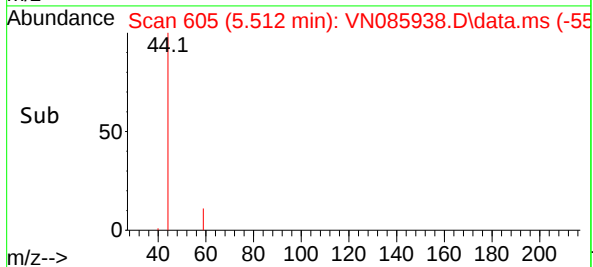
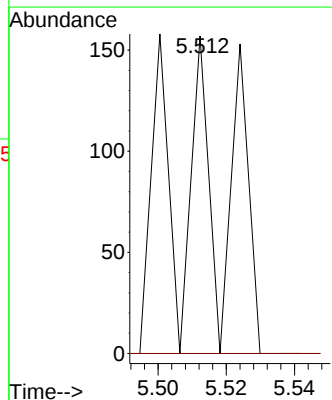
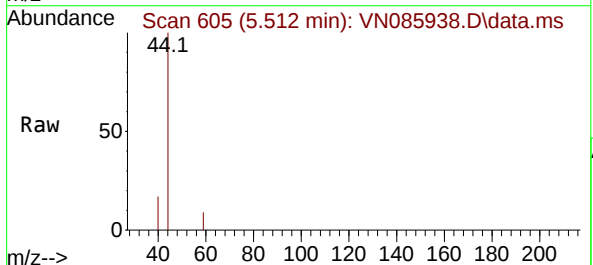


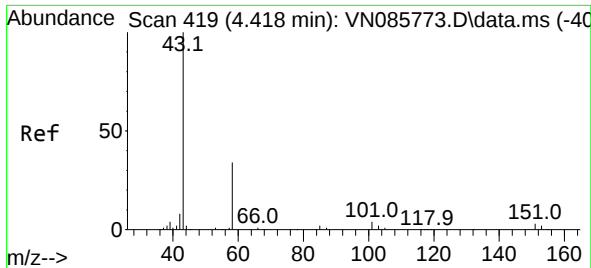
Tgt Ion:168 Resp: 160603
Ion Ratio Lower Upper
168 100
99 59.5 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.426 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

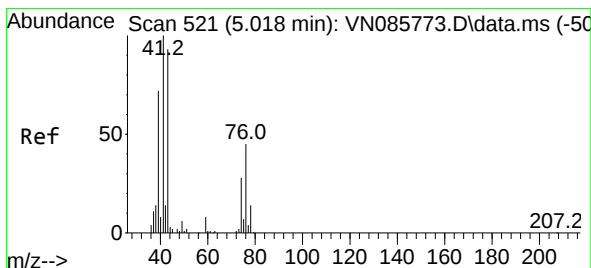
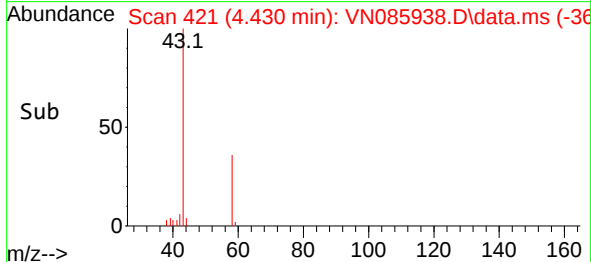
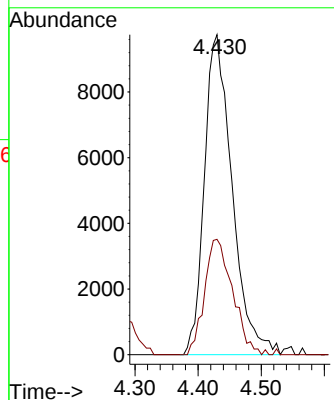
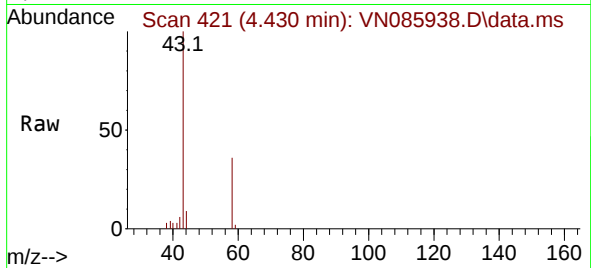




#16
Acetone
Concen: 45.178 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

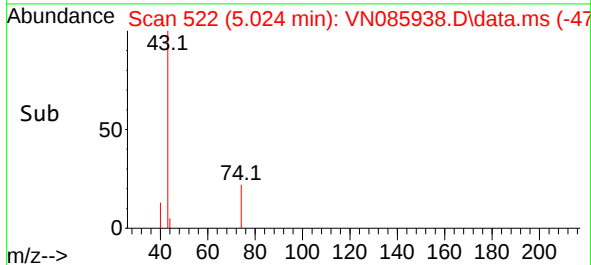
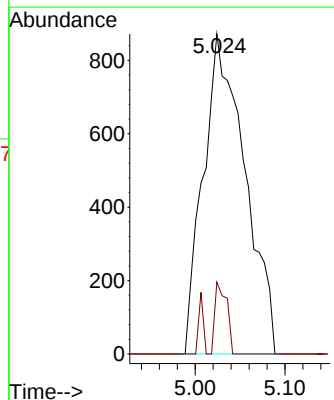
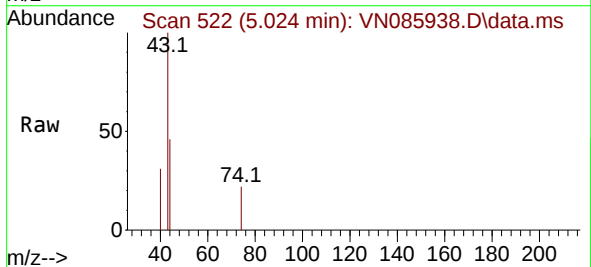
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 29765
Ion Ratio Lower Upper
43 100
58 36.1 27.5 41.3



#18
Methyl Acetate
Concen: 1.236 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

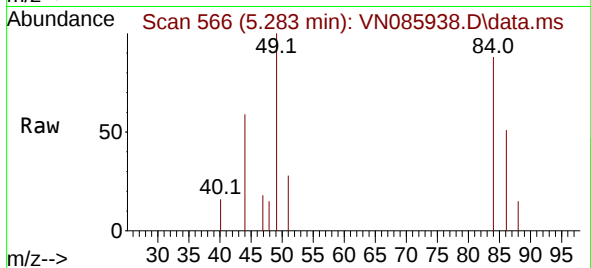
Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
74 6.4 22.2 33.4#



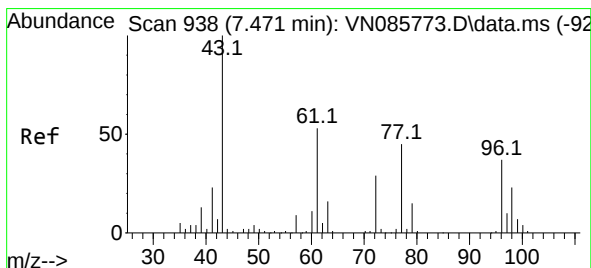
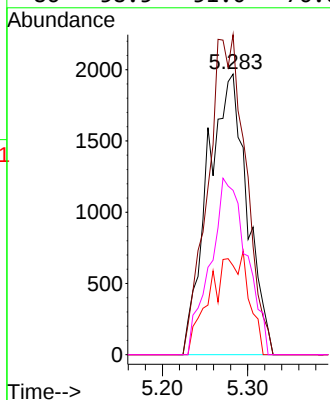
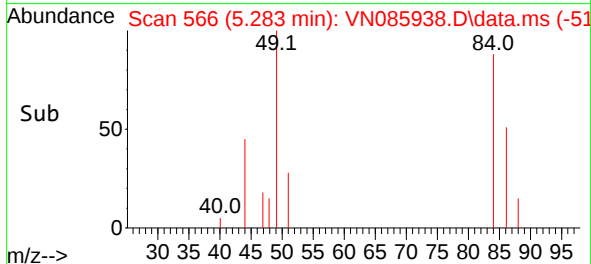


#20
Methylene Chloride
Concen: 2.998 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :

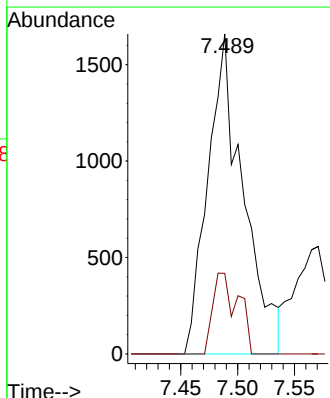
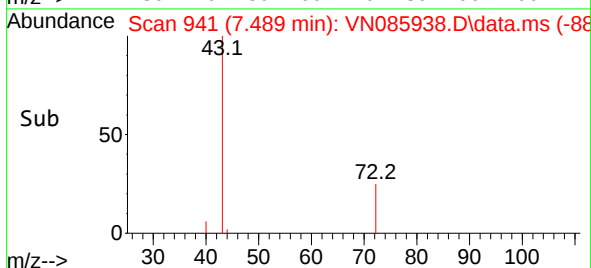
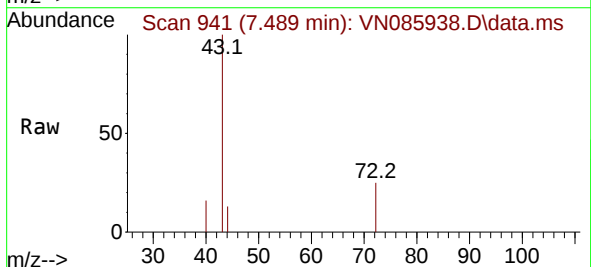


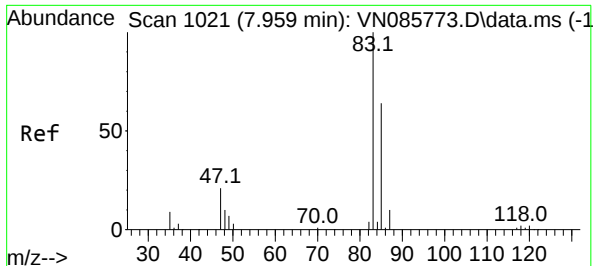
Tgt Ion: 84	Resp: 6351
Ion Ratio	Lower Upper
84 100	
49 114.0	88.4 132.6
51 31.7	26.6 40.0
86 58.5	51.0 76.6



#25
2-Butanone
Concen: 3.706 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 43	Resp: 3592		
Ion Ratio	Lower	Upper	
43 100			
72 25.2	23.6	35.4	





#30

Chloroform

Concen: 0.207 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085938.D

Acq: 11 Mar 2025 17:52

Instrument :

MSVOA_N

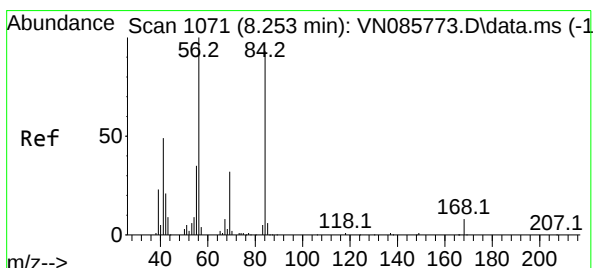
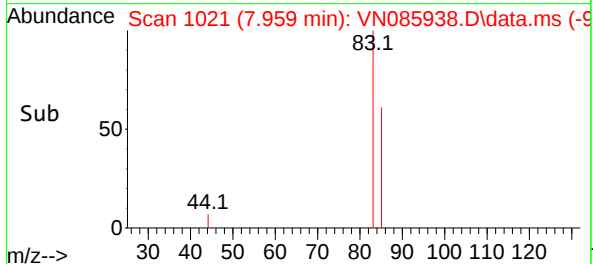
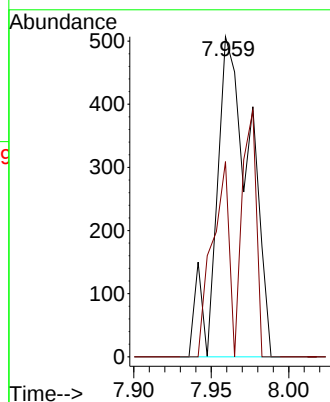
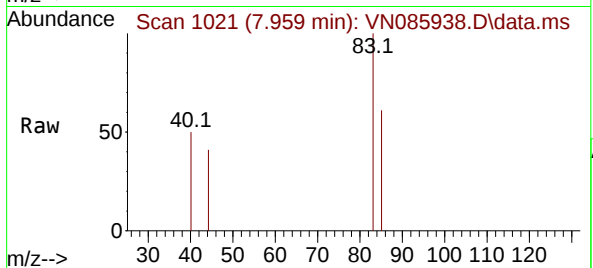
ClientSampleId :

Tgt Ion: 83 Resp: 769

Ion Ratio Lower Upper

83 100

85 60.9 50.9 76.3



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085938.D

Acq: 11 Mar 2025 17:52

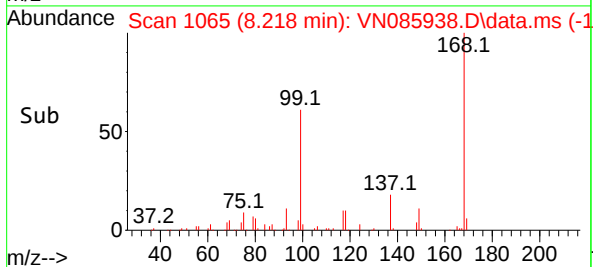
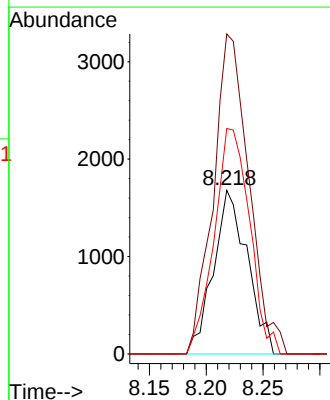
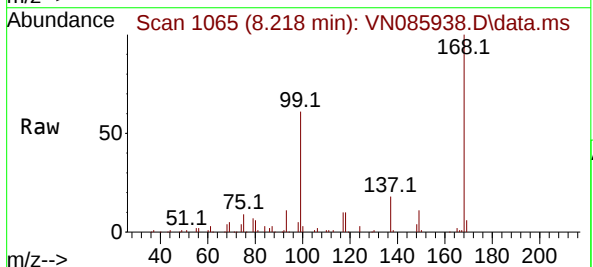
Tgt Ion: 56 Resp: 3485

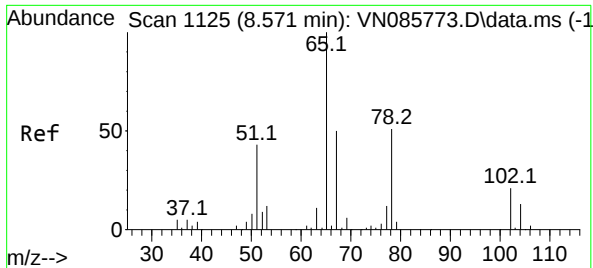
Ion Ratio Lower Upper

56 100

69 195.5 25.8 38.6#

84 137.7 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 62.209 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085938.D

Acq: 11 Mar 2025 17:52

Instrument :

MSVOA_N

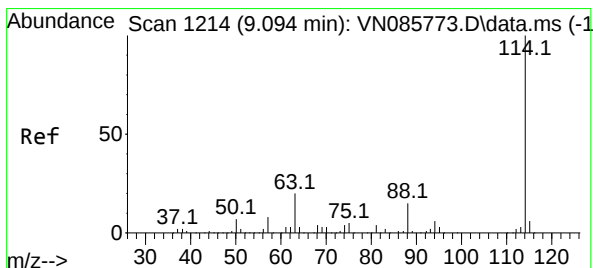
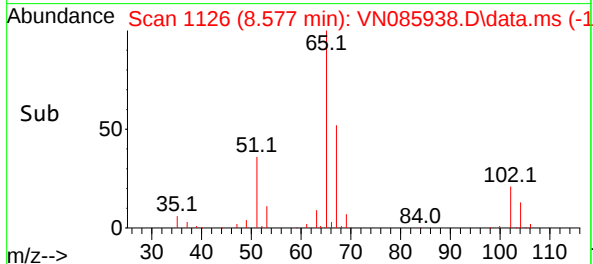
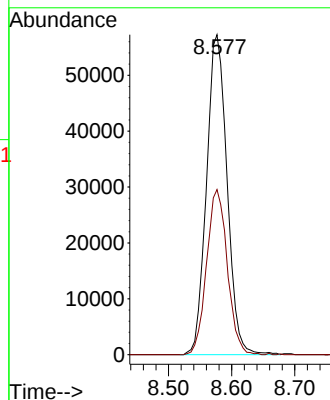
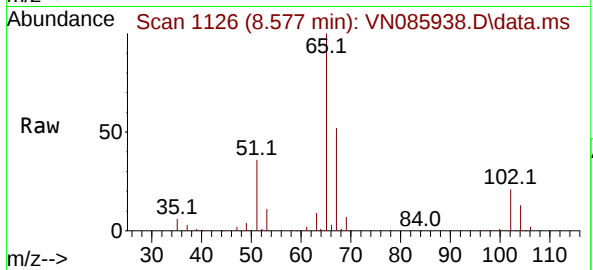
ClientSampleId :

Tgt Ion: 65 Resp: 129530

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085938.D

Acq: 11 Mar 2025 17:52

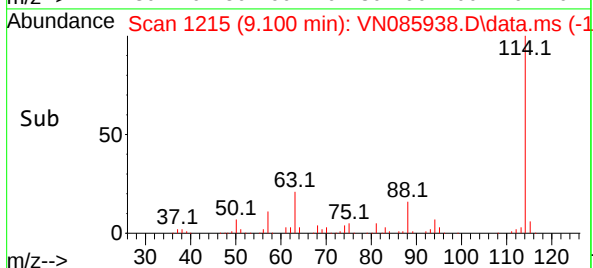
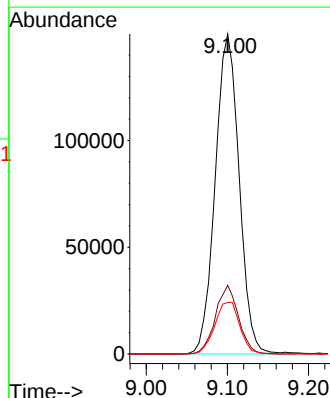
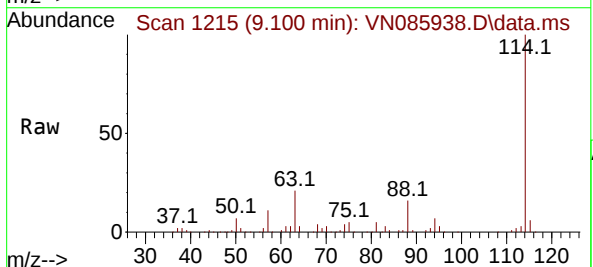
Tgt Ion: 114 Resp: 306695

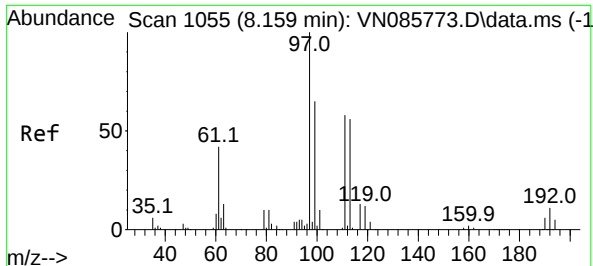
Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.2

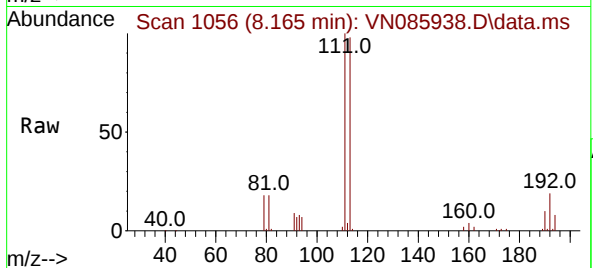
88 16.1 0.0 30.0



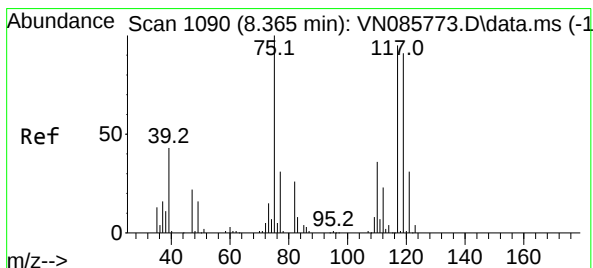
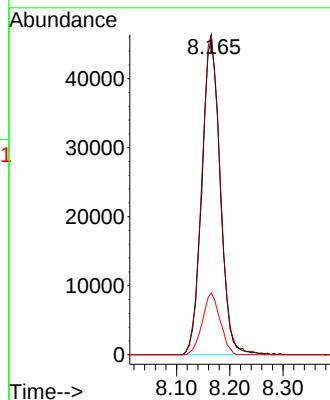
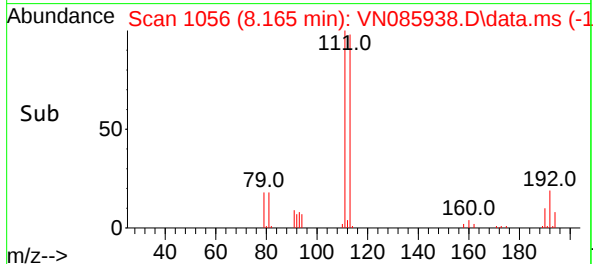


#35
Dibromofluoromethane
Concen: 54.896 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :

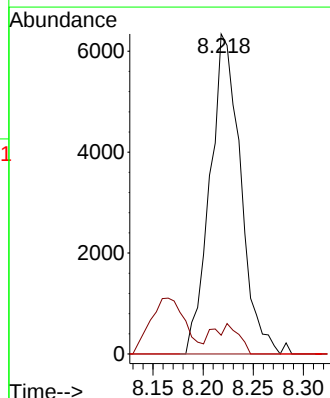
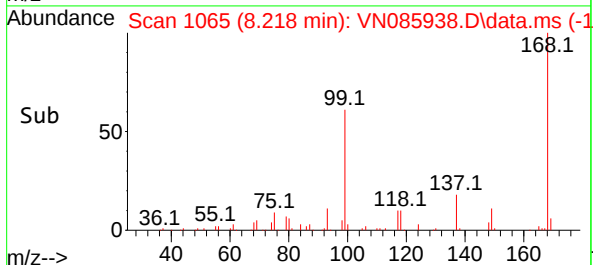
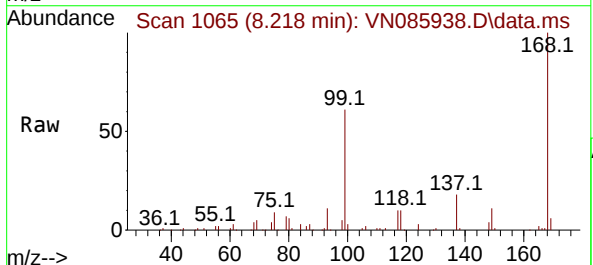


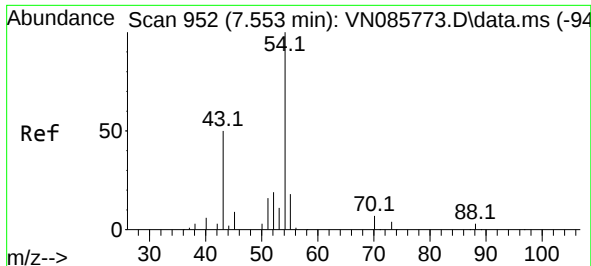
Tgt Ion:113 Resp: 110168
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.4
192 18.8 14.7 22.1



#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 75 Resp: 13440
Ion Ratio Lower Upper
75 100
110 2.0 17.3 52.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.563 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN085938.D

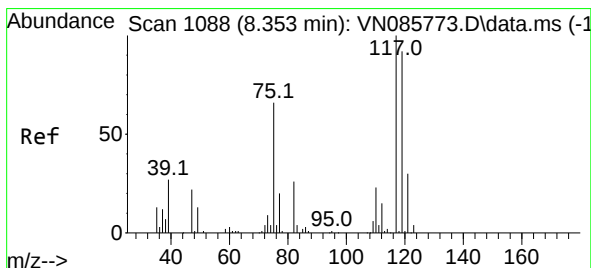
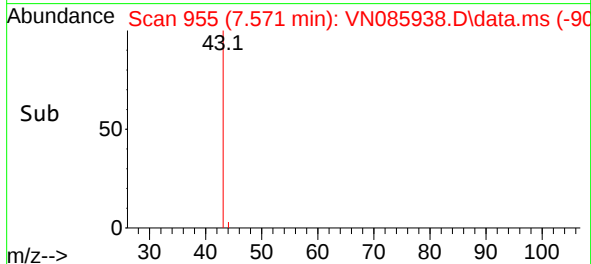
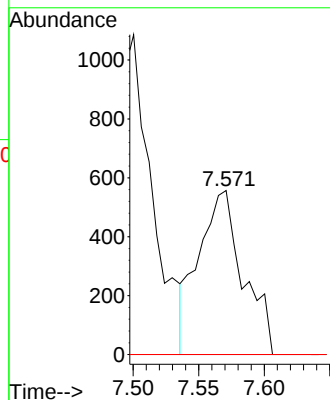
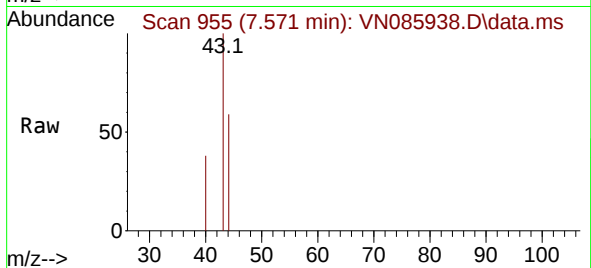
Acq: 11 Mar 2025 17:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	1315
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	0.0	9.5	14.3#



#38

Carbon Tetrachloride

Concen: 4.997 ug/l

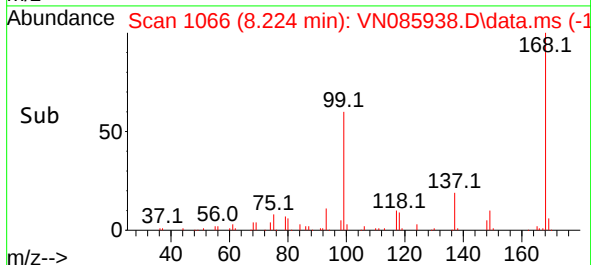
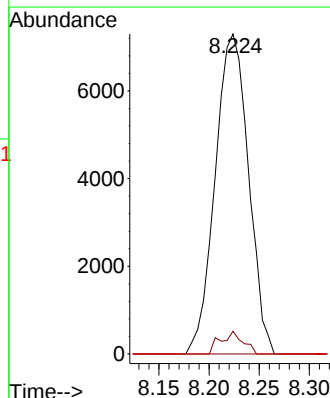
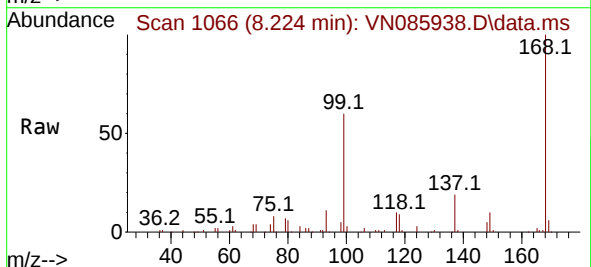
RT: 8.224 min Scan# 1066

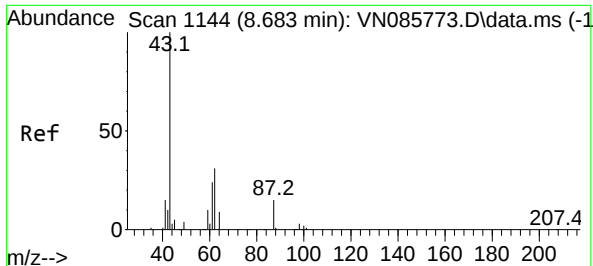
Delta R.T. -0.129 min

Lab File: VN085938.D

Acq: 11 Mar 2025 17:52

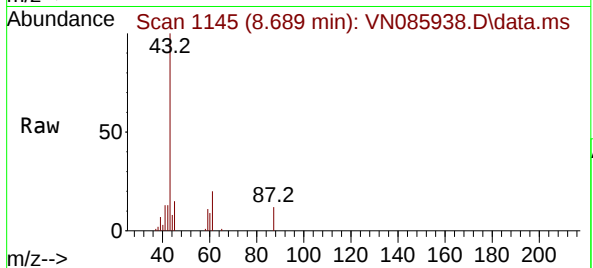
Tgt Ion:	117	Resp:	16865
Ion	Ratio	Lower	Upper
117	100		
119	7.1	73.8	110.6#
121	0.0	24.3	36.5#



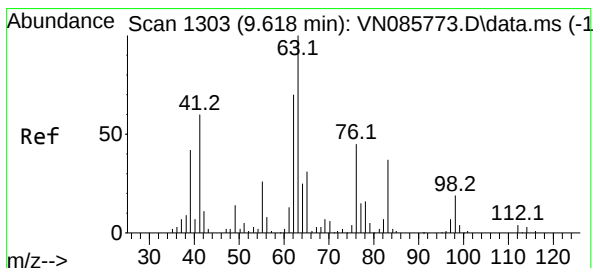
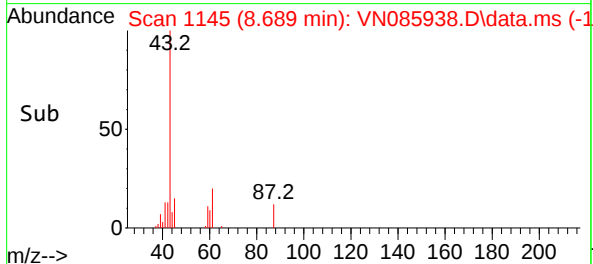
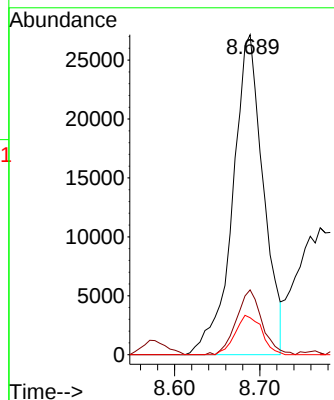


#43
Isopropyl Acetate
Concen: 16.194 ug/l
RT: 8.689 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :

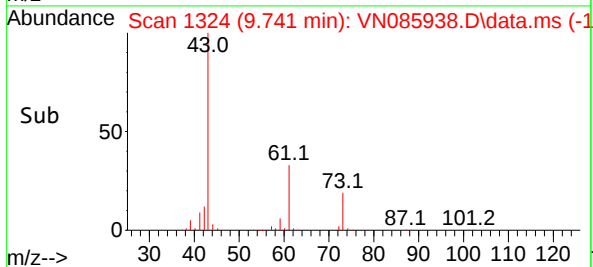
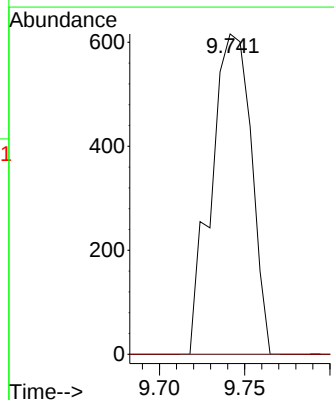
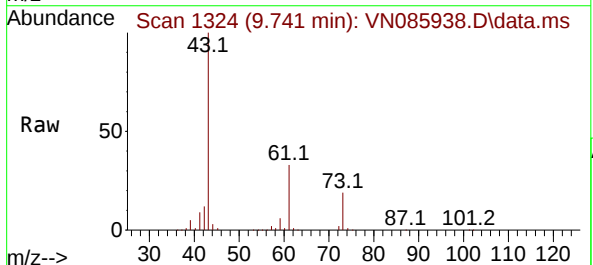


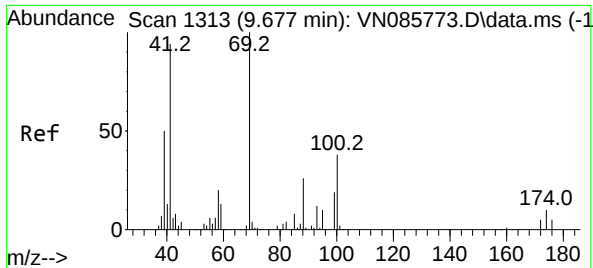
Tgt Ion: 43 Resp: 67944
Ion Ratio Lower Upper
43 100
61 16.9 22.6 34.0#
87 10.7 11.8 17.8#



#45
1,2-Dichloropropane
Concen: 0.459 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 63 Resp: 1008
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

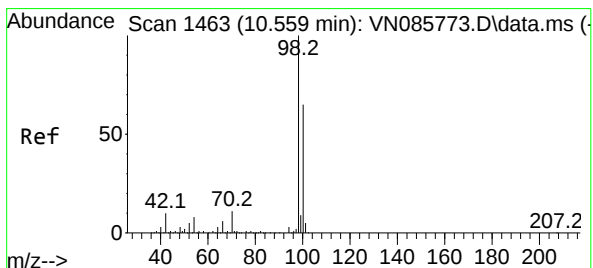
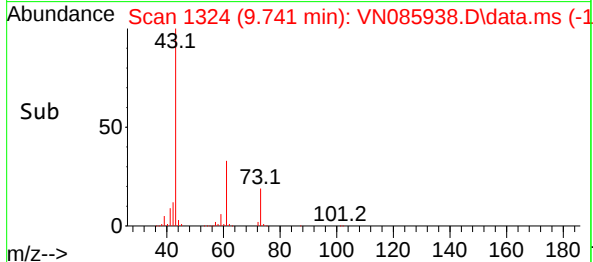
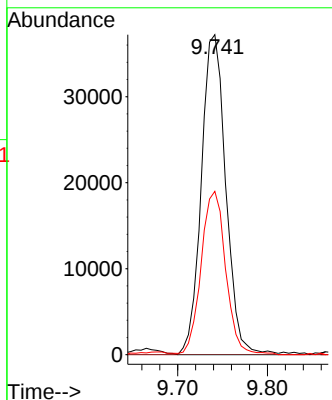
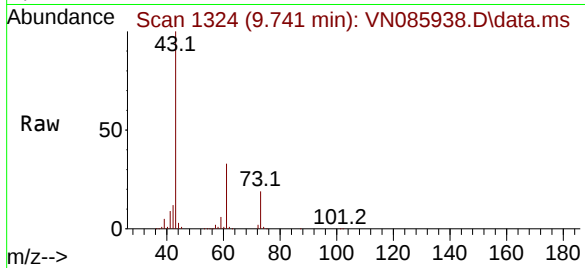




#48
Methyl methacrylate
Concen: 40.573 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

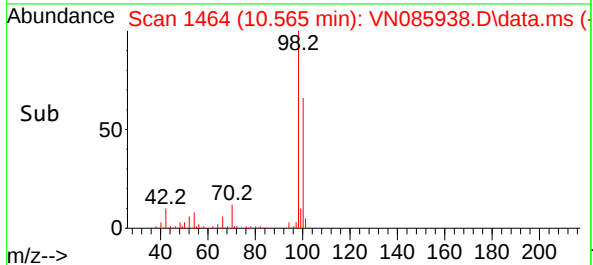
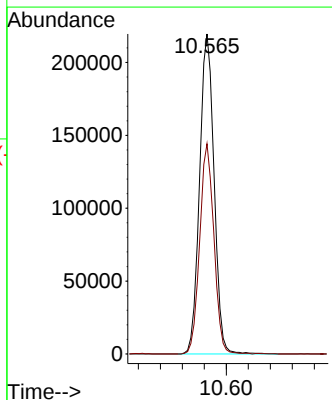
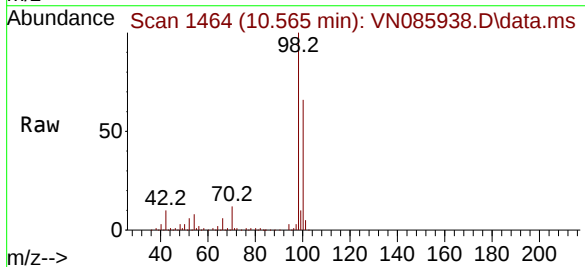
Instrument :
MSVOA_N
ClientSampleId :

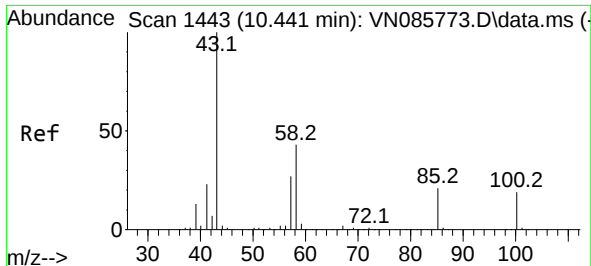
Tgt Ion: 41 Resp: 70430
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 51.3 42.3 63.5



#50
Toluene-d8
Concen: 55.050 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 98 Resp: 401954
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

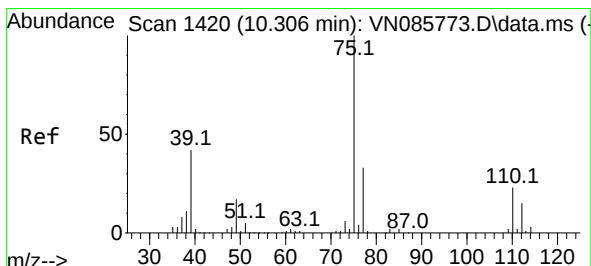
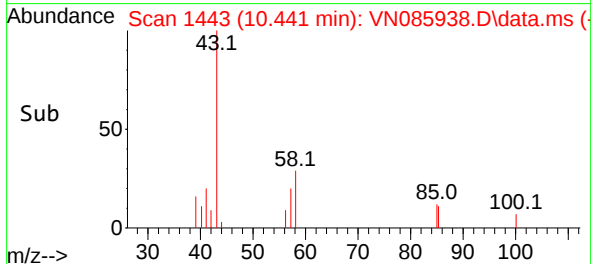
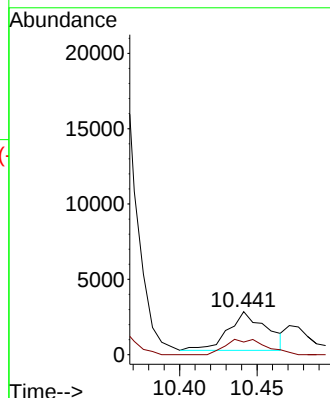
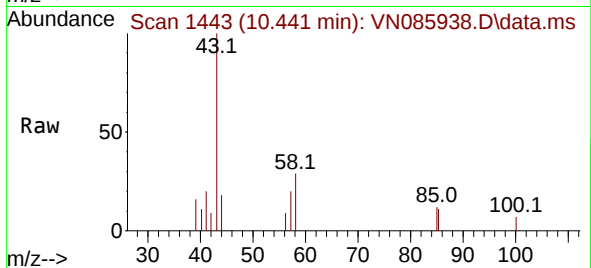




#51
4-Methyl-2-Pentanone
Concen: 1.970 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

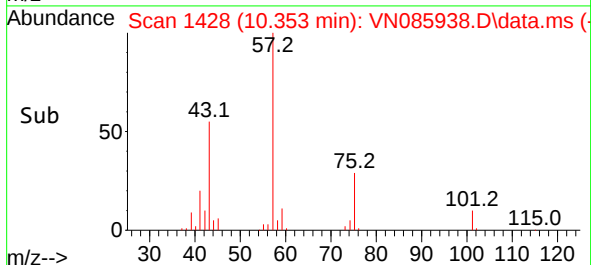
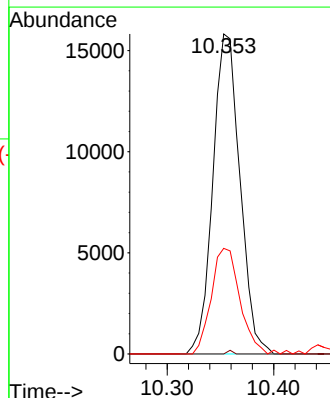
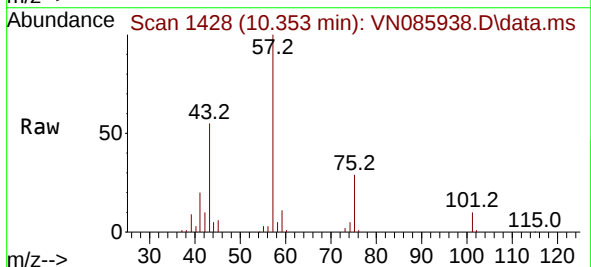
Instrument :
MSVOA_N
ClientSampleId :

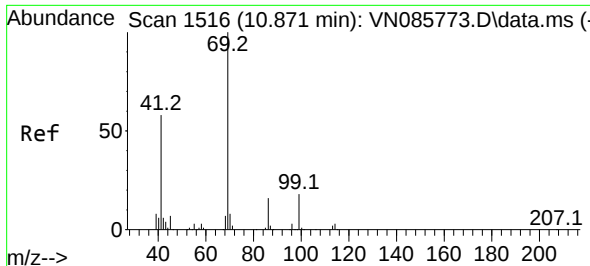
Tgt Ion: 43 Resp: 4439
Ion Ratio Lower Upper
43 100
58 41.9 34.6 52.0



#54
cis-1,3-Dichloropropene
Concen: 8.292 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 75 Resp: 27879
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 33.0 33.4 50.0#

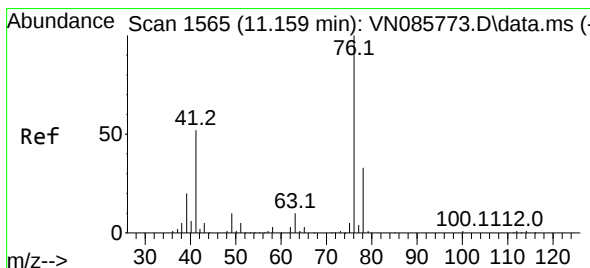
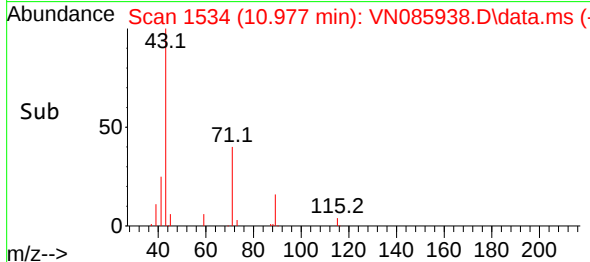
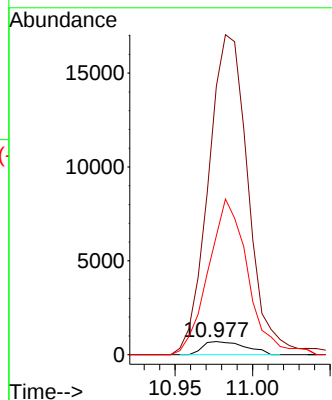
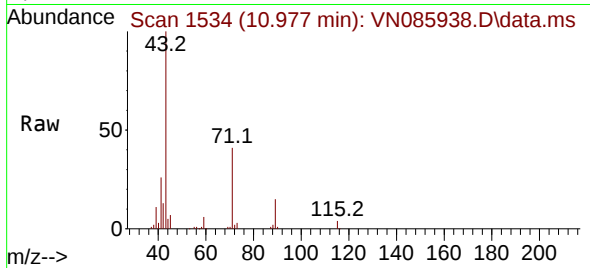




#56
Ethyl methacrylate
Concen: 0.950 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

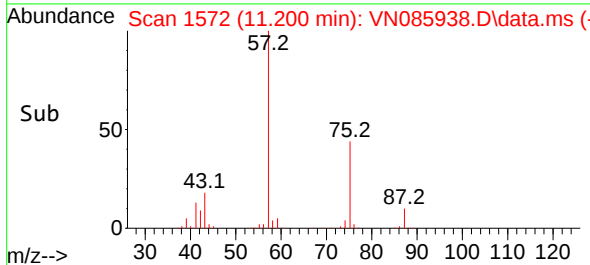
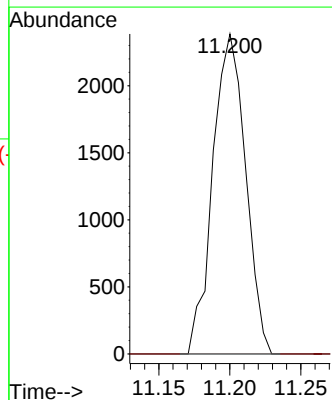
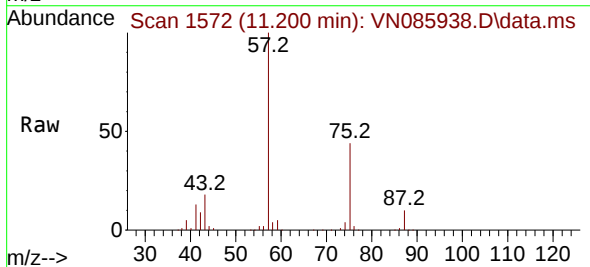
Instrument :
MSVOA_N
ClientSampleId :

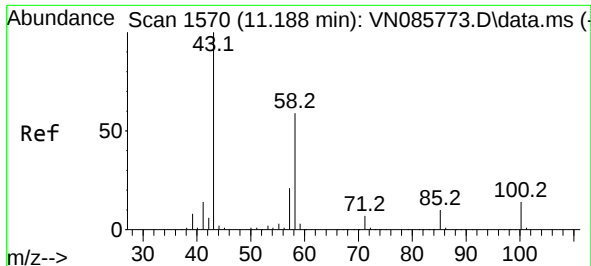
Tgt Ion: 69 Resp: 1340
Ion Ratio Lower Upper
69 100
41 2284.3 46.0 69.0#
39 1099.8 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.083 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 76 Resp: 3836
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

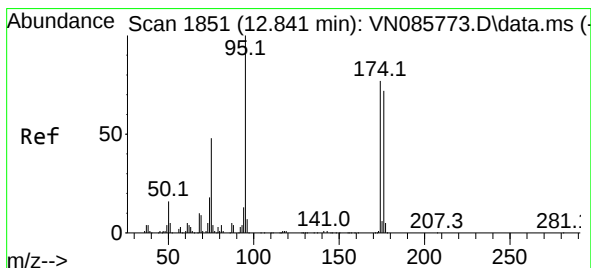
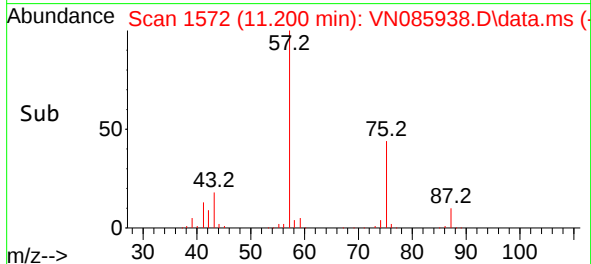
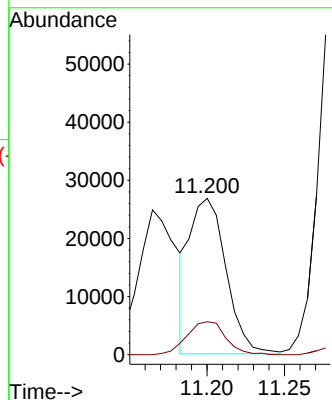
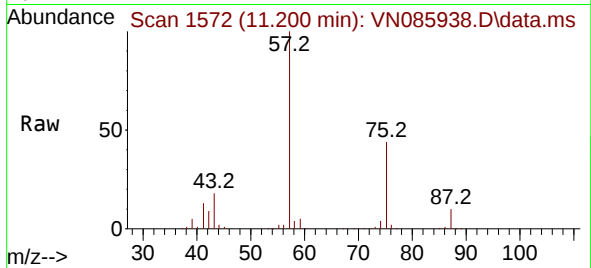




#59
2-Hexanone
Concen: 28.246 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

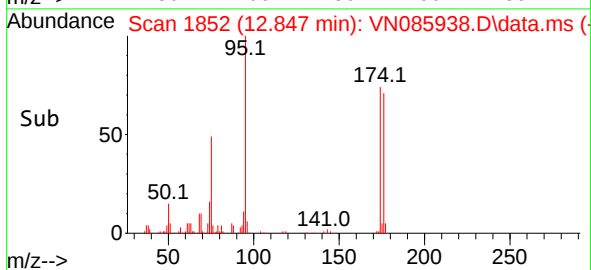
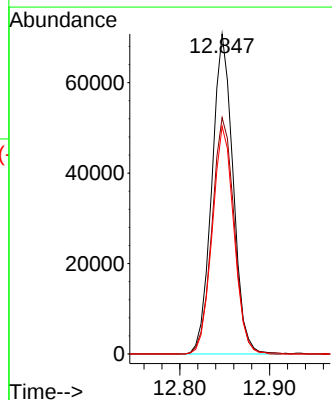
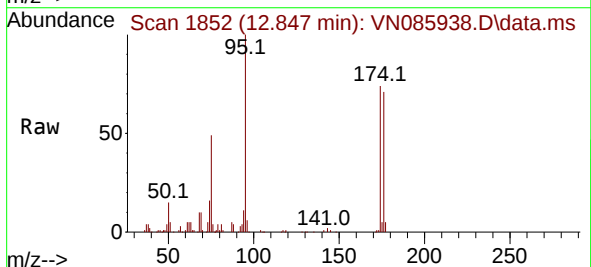
Instrument :
MSVOA_N
ClientSampleId :

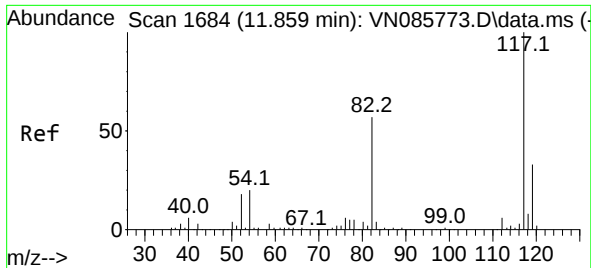
Tgt Ion: 43 Resp: 43790
Ion Ratio Lower Upper
43 100
58 22.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 48.149 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Tgt Ion: 95 Resp: 115833
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.4
176 72.8 0.0 146.6

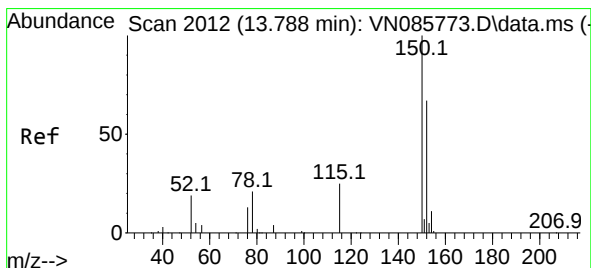
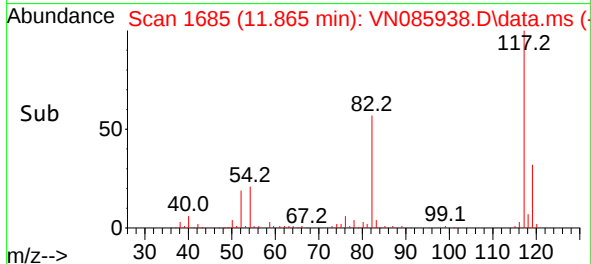
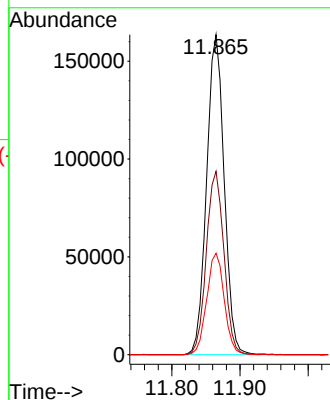
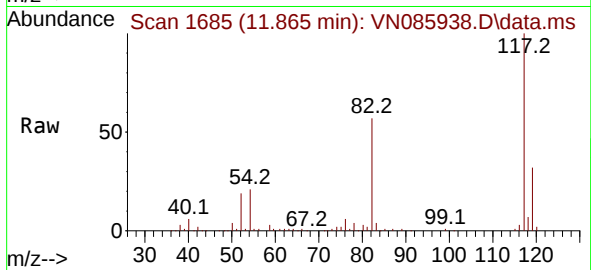




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

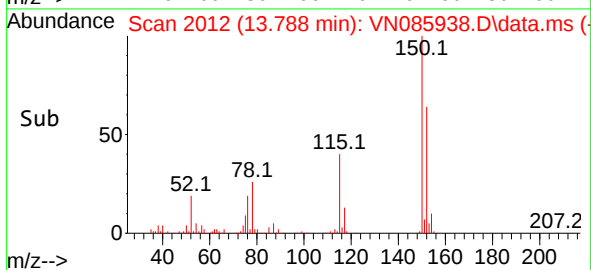
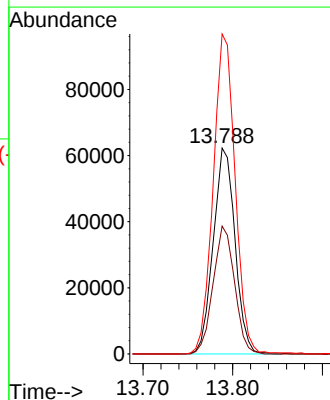
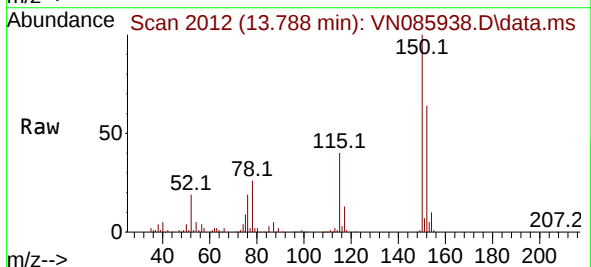
Instrument :
MSVOA_N
ClientSampleId :

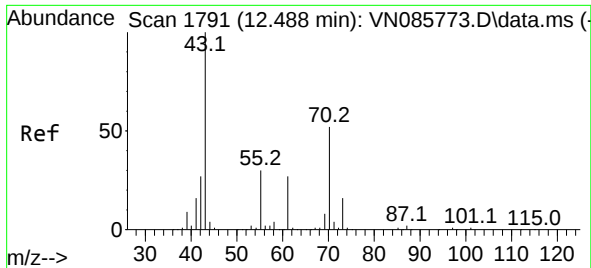
Tgt Ion:117 Resp: 293575
Ion Ratio Lower Upper
117 100
82 57.3 45.7 68.5
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

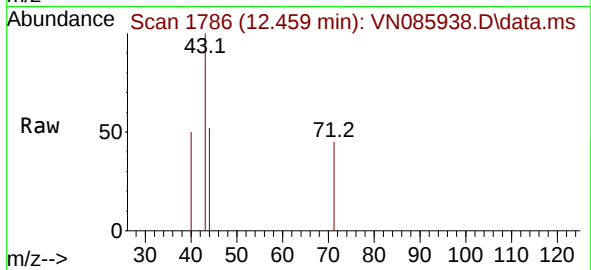
Tgt Ion:152 Resp: 104809
Ion Ratio Lower Upper
152 100
115 61.2 30.4 91.3
150 156.7 0.0 345.4



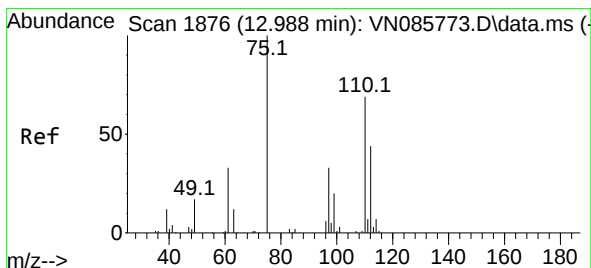
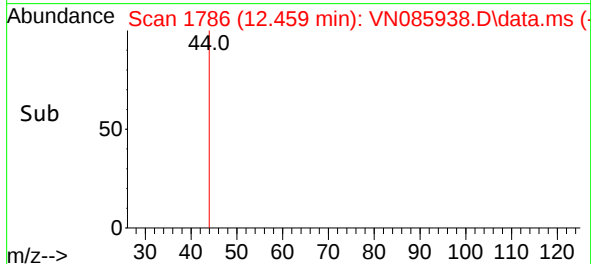
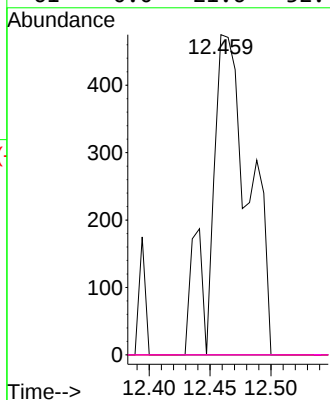


#74
N-amy1 acetate
Concen: 0.413 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :

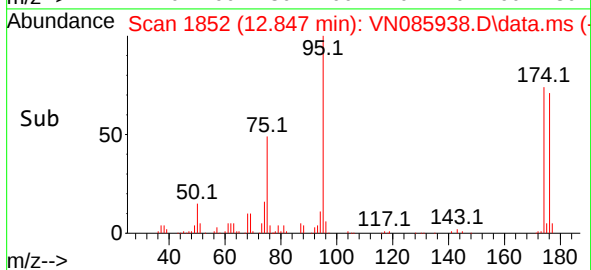
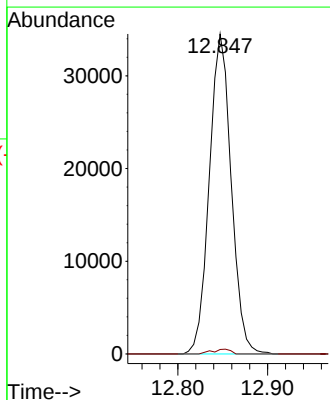
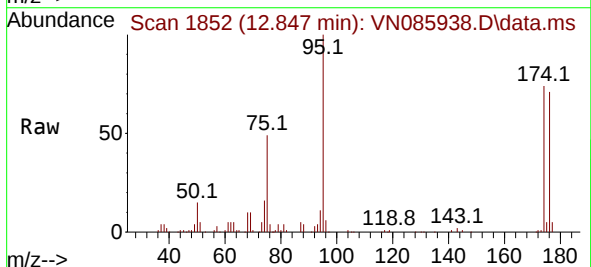


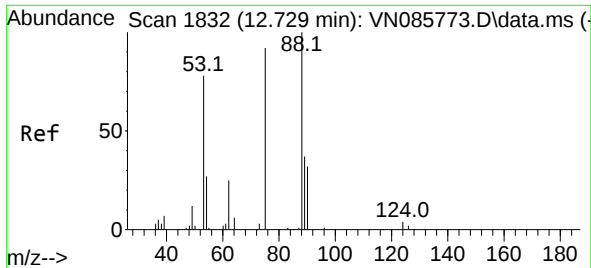
Tgt Ion: 43	Resp: 1045
Ion Ratio	Lower Upper
43 100	
70 0.0	41.0 61.4#
55 0.0	24.6 36.8#
61 0.0	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 25.134 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085938.D
Acq: 11 Mar 2025 17:52

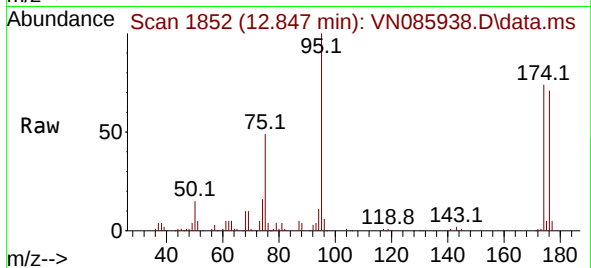
Tgt Ion: 75	Resp: 58515
Ion Ratio	Lower Upper
75 100	
77 1.3	100.0 300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.334 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085938.D
 Acq: 11 Mar 2025 17:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 58515
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.9 52.3#

