

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085673.D
 Acq On : 05 Feb 2025 13:35
 Operator : JC\MD
 Sample : PB166529ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

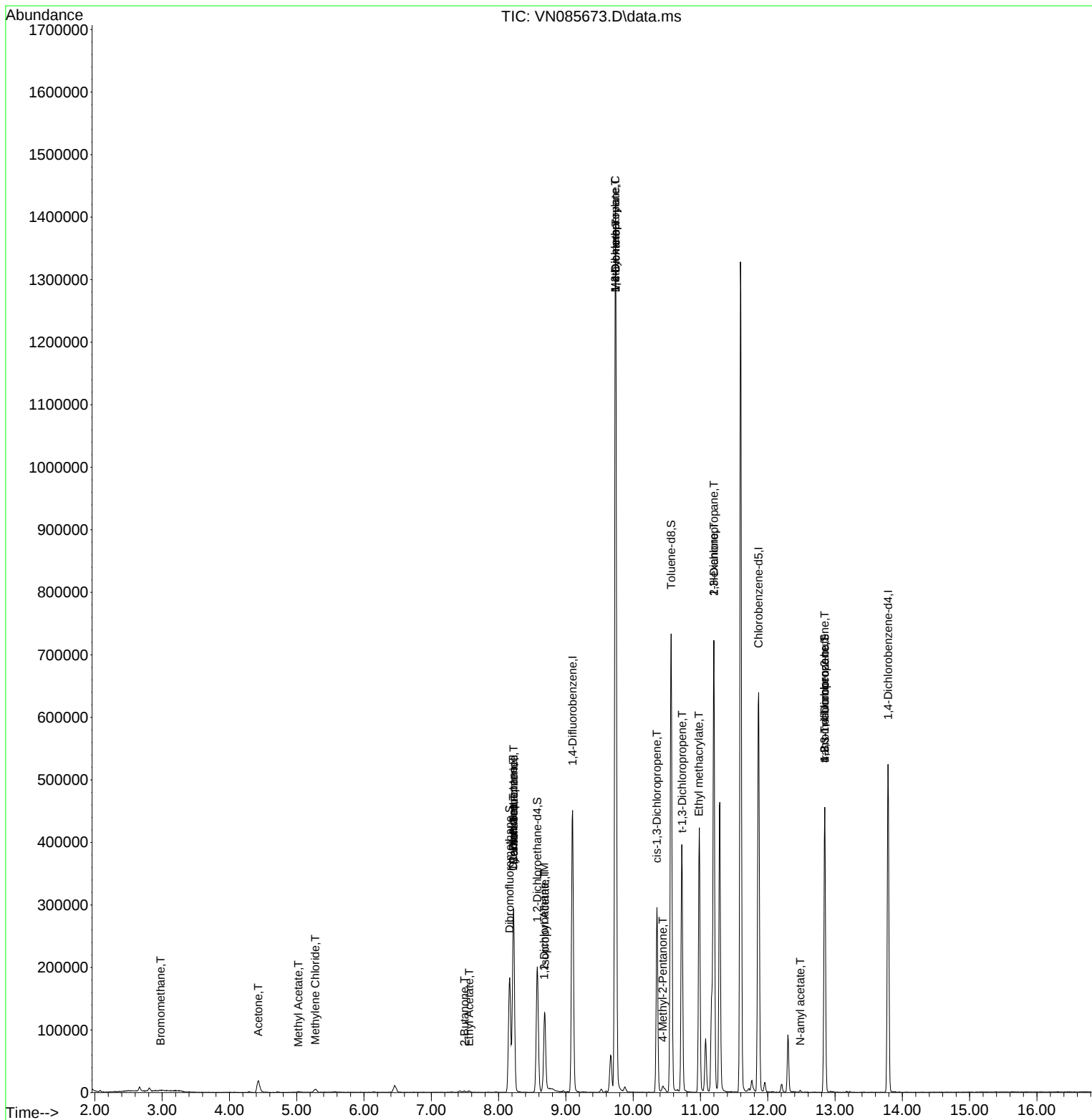
Instrument :
 MSVOA_N
 ClientSampleId :

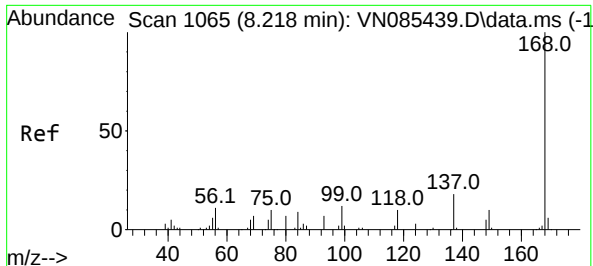
Quant Time: Feb 06 00:40:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	207997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	392588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	374010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159821	47.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.200%		
35) Dibromofluoromethane	8.165	113	133777	49.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	10.565	98	513250	53.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.080%		
62) 4-Bromofluorobenzene	12.847	95	152860	46.178	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.360%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	629	0.340	ug/l	94
16) Acetone	4.430	43	35950	33.139	ug/l	98
18) Methyl Acetate	5.024	43	1820	0.552	ug/l #	78
20) Methylene Chloride	5.277	84	3772	1.405	ug/l	91
25) 2-Butanone	7.494	43	3735	2.340	ug/l #	76
31) Cyclohexane	8.218	56	4877	1.145	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17672	4.623	ug/l #	51
37) Ethyl Acetate	7.565	43	3503	0.908	ug/l #	85
38) Carbon Tetrachloride	8.224	117	22506	5.143	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1182	0.273	ug/l #	76
43) Isopropyl Acetate	8.688	43	143908	23.277	ug/l #	91
45) 1,2-Dichloropropane	9.735	63	1874	0.639	ug/l #	43
48) Methyl methacrylate	9.735	41	131267	47.181	ug/l #	46
49) 1,4-Dioxane	9.741	88	89	1.900	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11412	3.181	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	1023	0.251	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	52854	12.141	ug/l #	62
56) Ethyl methacrylate	10.976	69	2061	2.378	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7623	1.665	ug/l #	43
59) 2-Hexanone	11.200	43	93911	37.203	ug/l #	56
74) N-amyl acetate	12.482	43	1299	0.302	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	80651	28.007	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80651	75.774	ug/l #	3

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

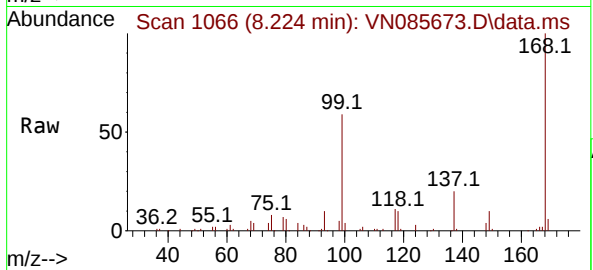
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



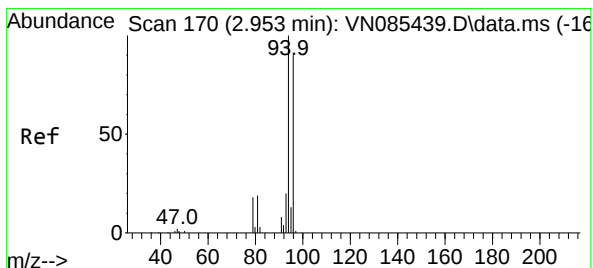
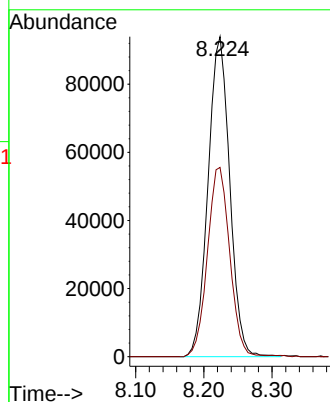
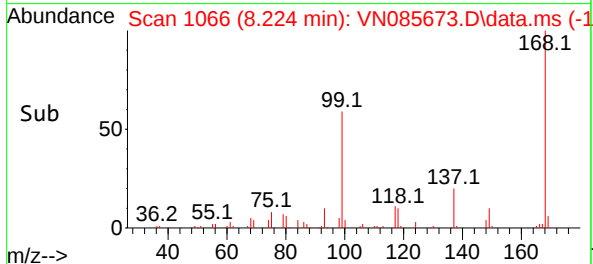


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Instrument :
MSVOA_N
ClientSampleId :

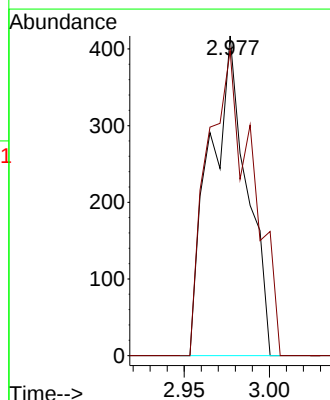
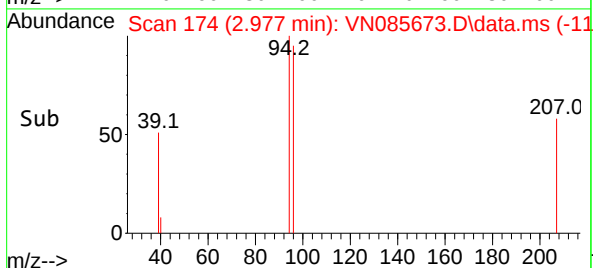
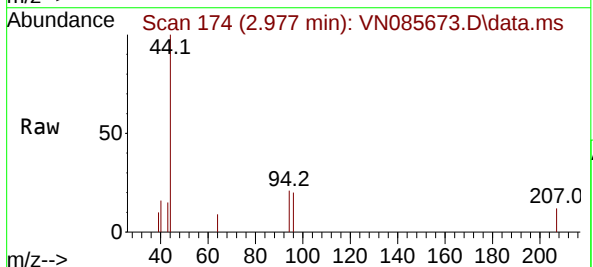


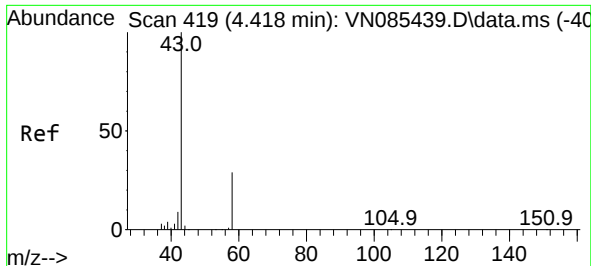
Tgt Ion:168 Resp: 207997
Ion Ratio Lower Upper
168 100
99 59.2 53.6 80.4



#5
Bromomethane
Concen: 0.340 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

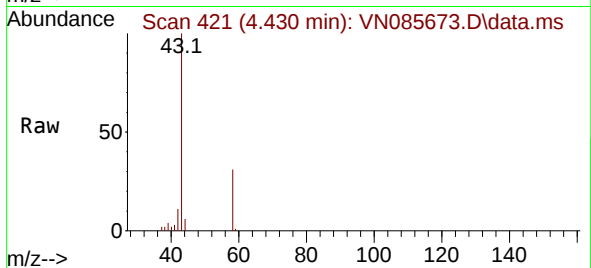
Tgt Ion: 94 Resp: 629
Ion Ratio Lower Upper
94 100
96 95.4 71.8 107.6



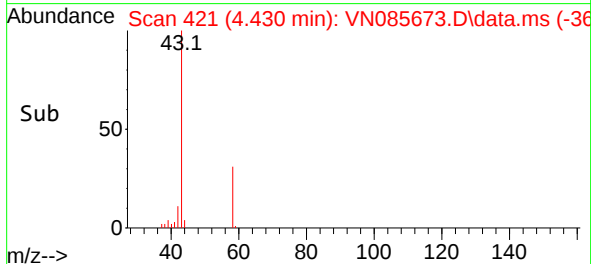
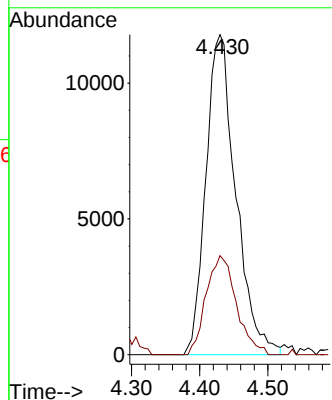


#16
Acetone
Concen: 33.139 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Instrument :
MSVOA_N
ClientSampleId :

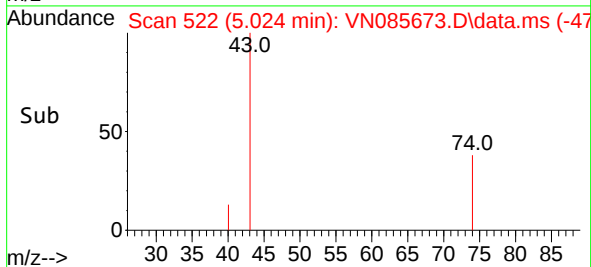
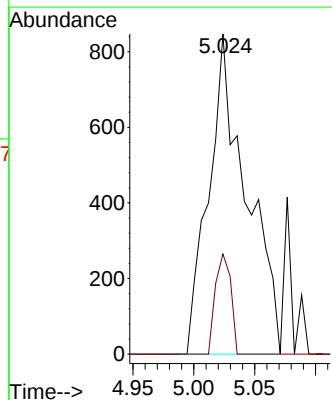
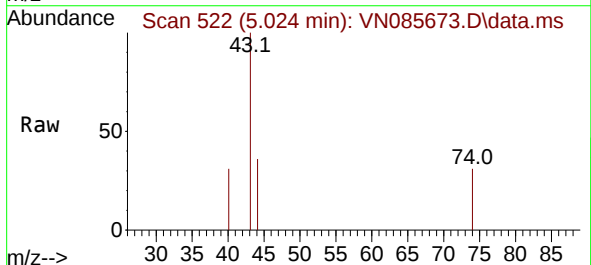


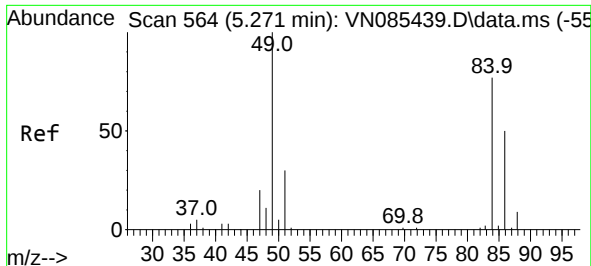
Tgt Ion: 43 Resp: 35950
Ion Ratio Lower Upper
43 100
58 31.0 23.8 35.6



#18
Methyl Acetate
Concen: 0.552 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

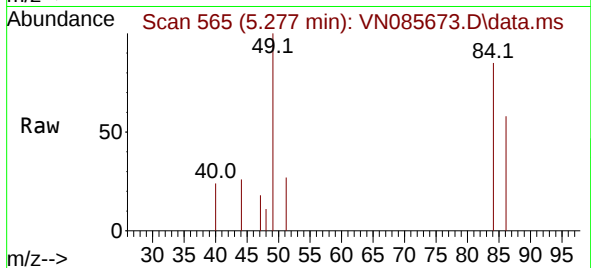
Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
74 12.8 18.6 28.0#



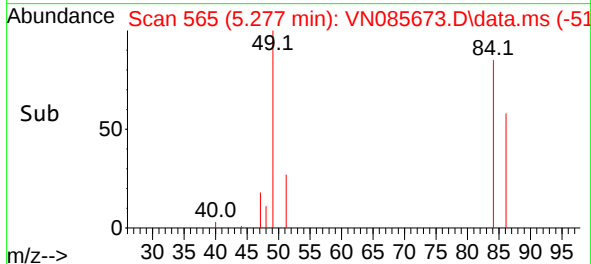
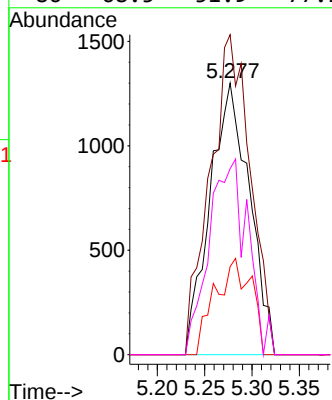


#20
Methylene Chloride
Concen: 1.405 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Instrument :
MSVOA_N
ClientSampleId :

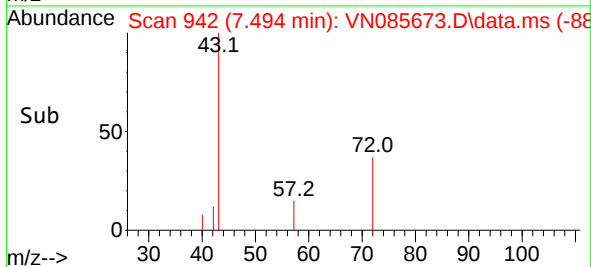
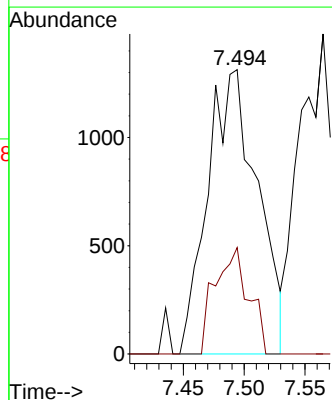
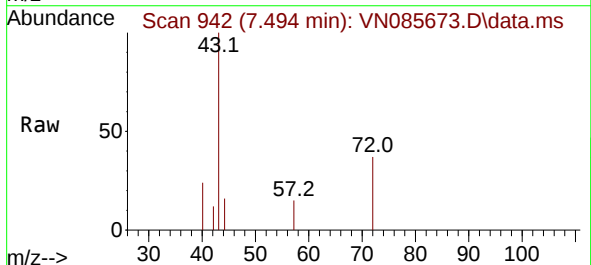


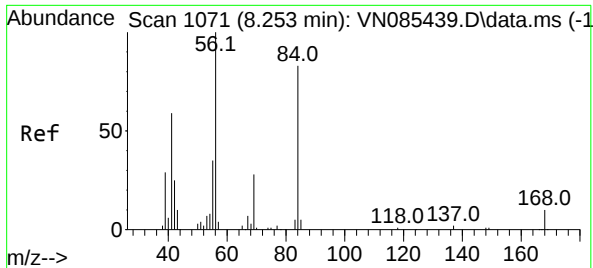
Tgt Ion: 84	Resp: 3772		
Ion	Ratio	Lower	Upper
84	100		
49	117.8	104.1	156.1
51	32.4	31.0	46.4
86	68.5	51.9	77.9



#25
2-Butanone
Concen: 2.340 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

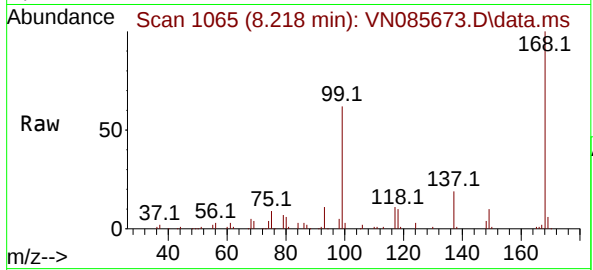
Tgt Ion: 43	Resp: 3735
Ion Ratio	Lower Upper
43 100	
72 37.5	20.2 30.4#



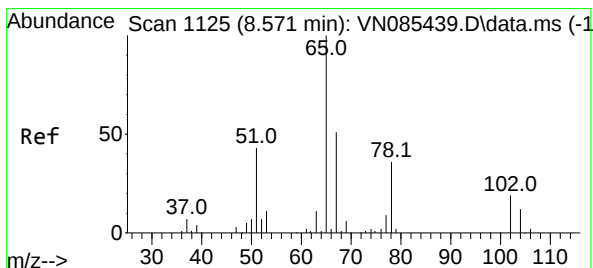
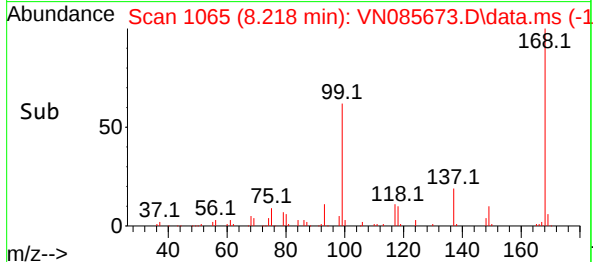
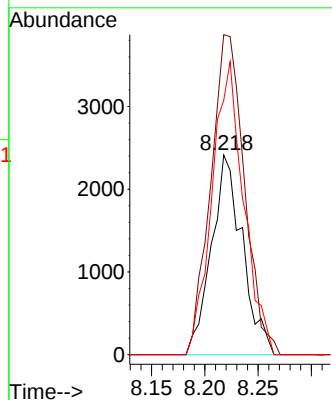


#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Instrument :
MSVOA_N
ClientSampleId :

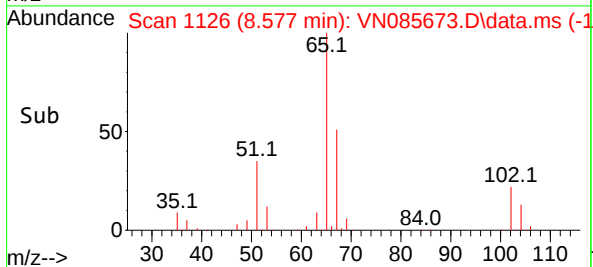
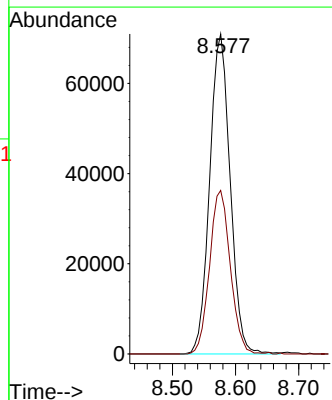
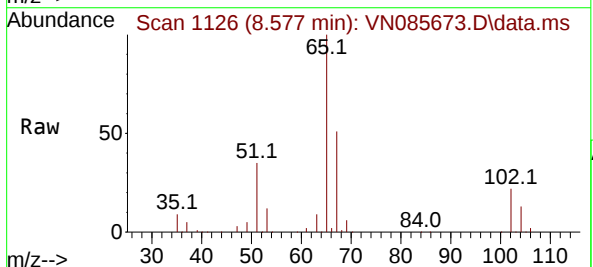


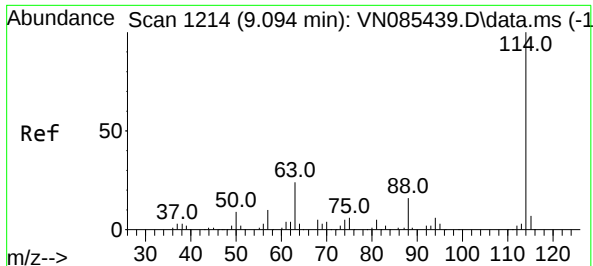
Tgt Ion: 56 Resp: 4877
Ion Ratio Lower Upper
56 100
69 160.3 22.2 33.4#
84 127.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.601 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Tgt Ion: 65 Resp: 159821
Ion Ratio Lower Upper
65 100
67 51.7 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: VN085673.D

Acq: 05 Feb 2025 13:35

Instrument :

MSVOA_N

ClientSampleId :

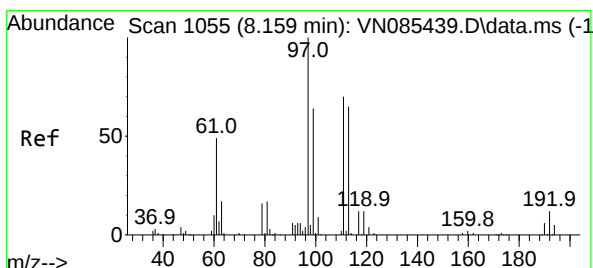
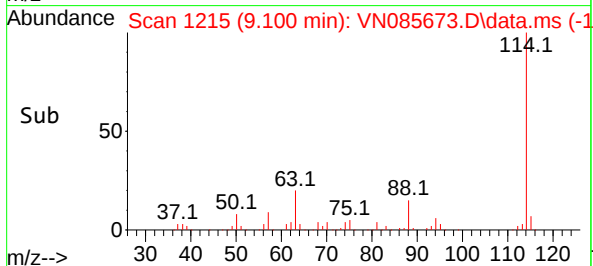
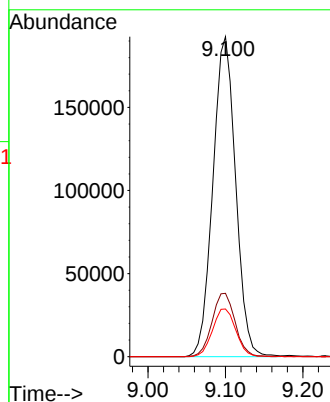
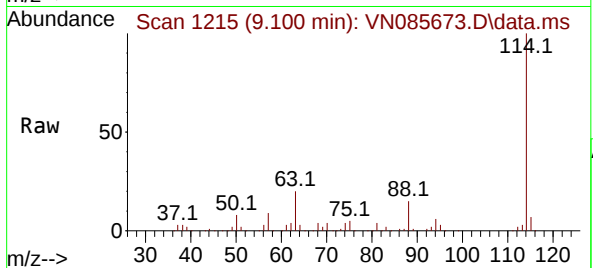
Tgt Ion:114 Resp: 392588

Ion Ratio Lower Upper

114 100

63 19.8 0.0 47.6

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.118 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085673.D

Acq: 05 Feb 2025 13:35

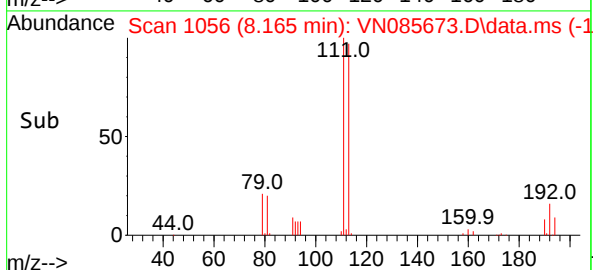
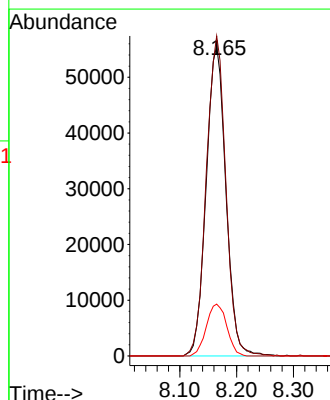
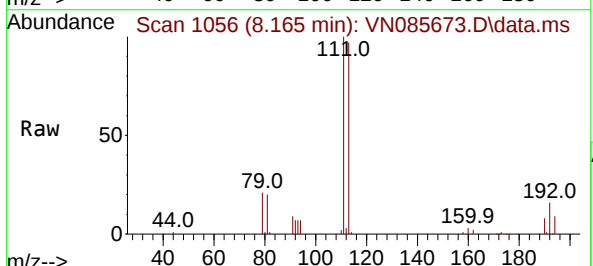
Tgt Ion:113 Resp: 133777

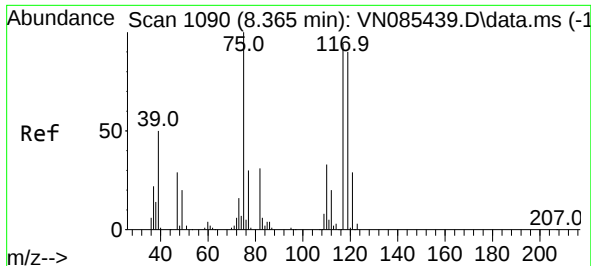
Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

192 17.3 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

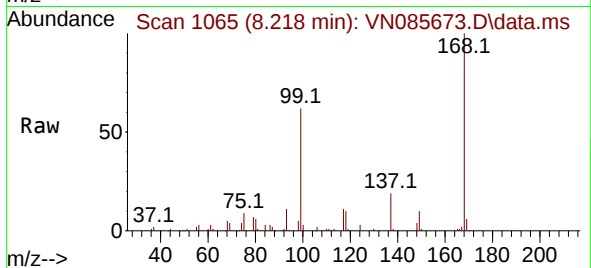
Lab File: VN085673.D

Acq: 05 Feb 2025 13:35

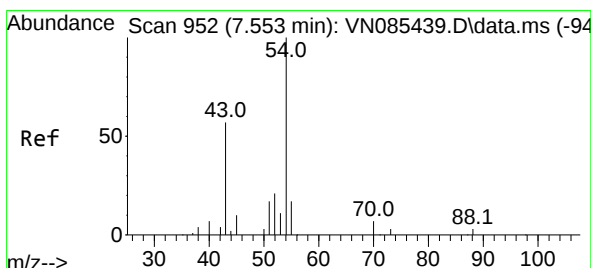
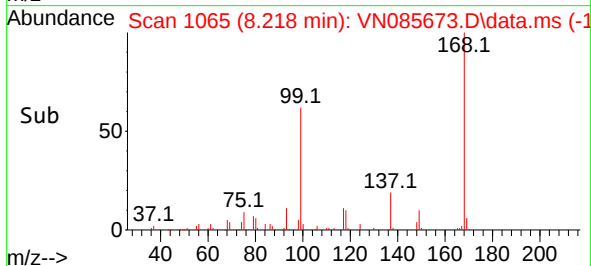
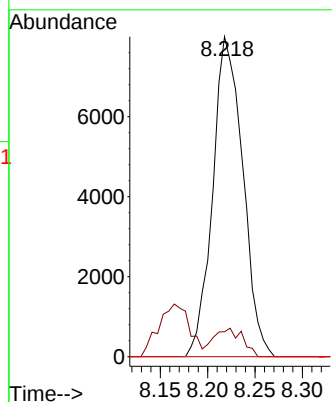
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	17672
Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.5	49.5#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 0.908 ug/l

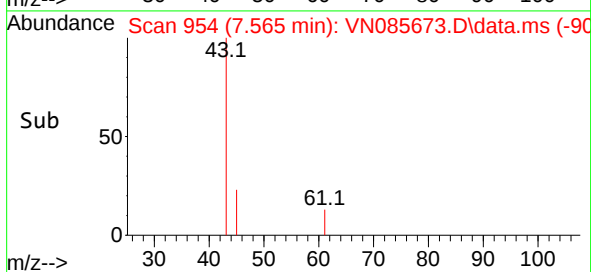
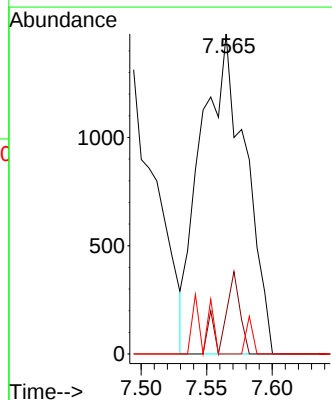
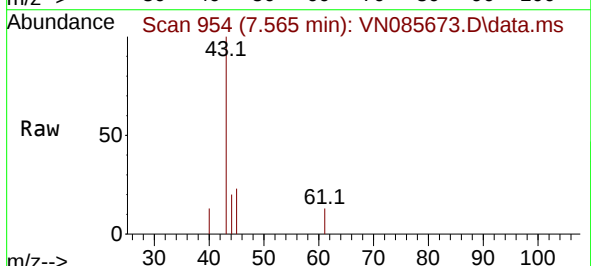
RT: 7.565 min Scan# 954

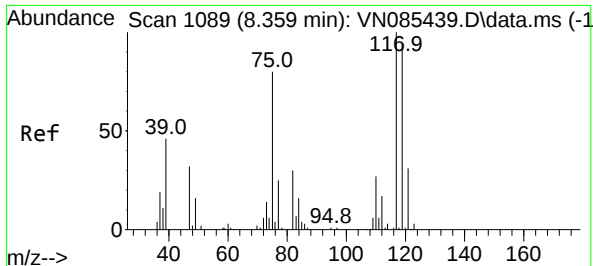
Delta R.T. 0.012 min

Lab File: VN085673.D

Acq: 05 Feb 2025 13:35

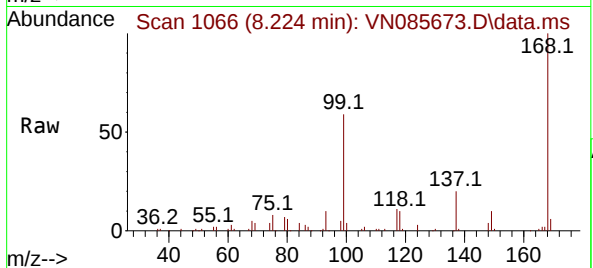
Tgt Ion:	43	Resp:	3503
Ion	Ratio	Lower	Upper
43	100		
61	9.3	10.9	16.3#
70	1.8	7.5	11.3#



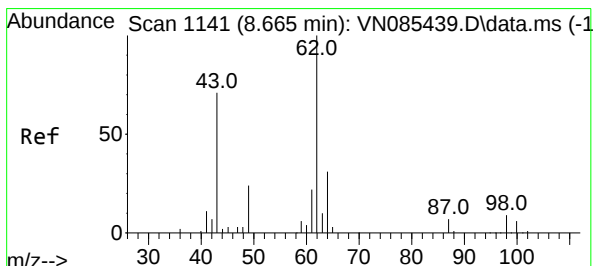
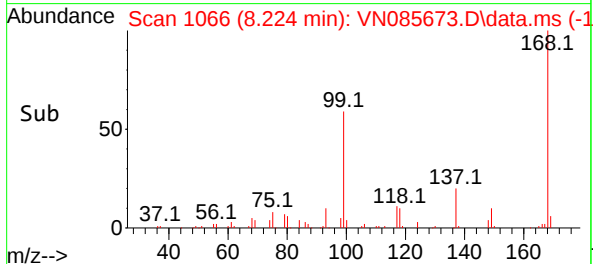
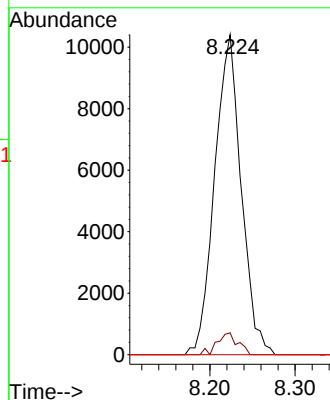


#38
Carbon Tetrachloride
Concen: 5.143 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Instrument :
MSVOA_N
ClientSampleId :

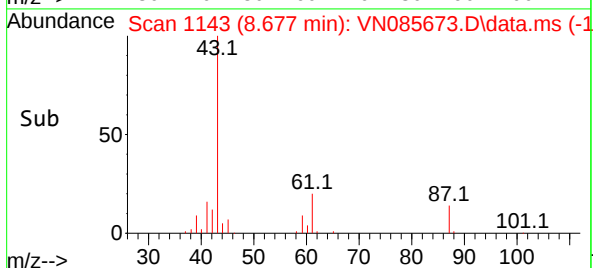
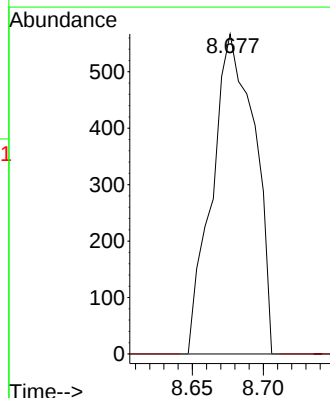
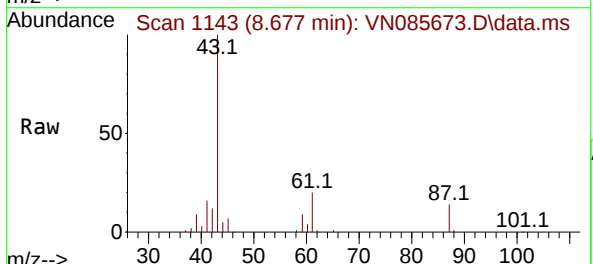


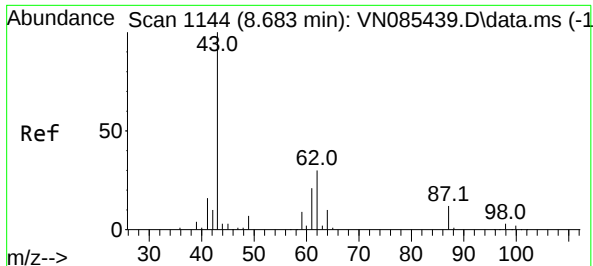
Tgt Ion:117 Resp: 22506
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.273 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Tgt Ion: 62 Resp: 1182
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

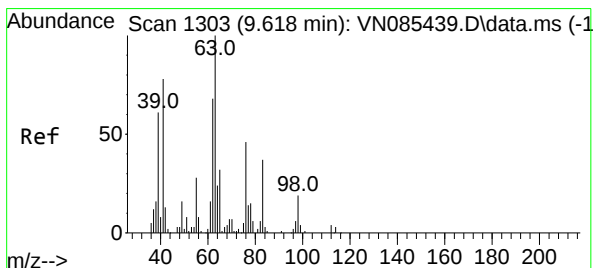
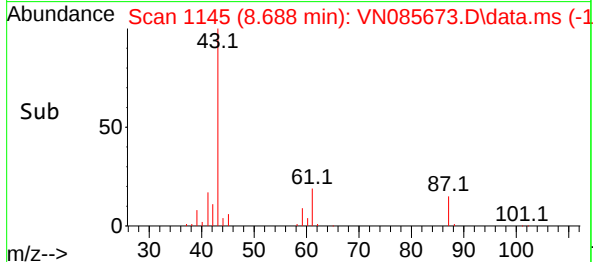
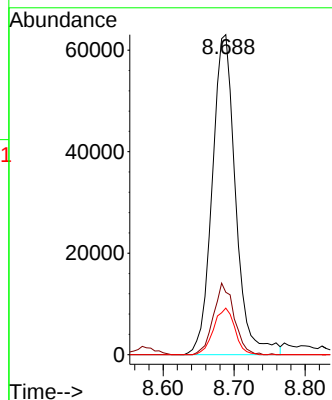
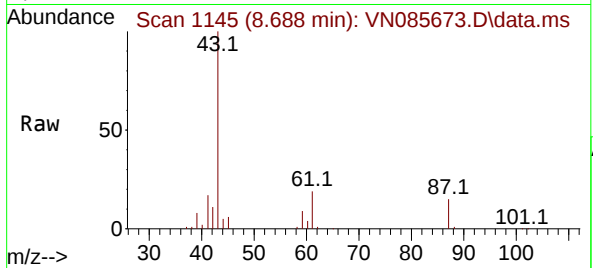




#43
Isopropyl Acetate
Concen: 23.277 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

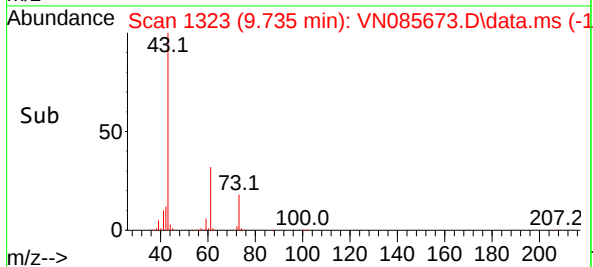
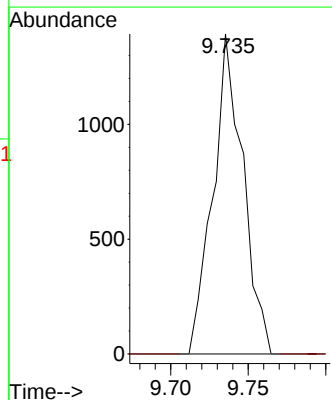
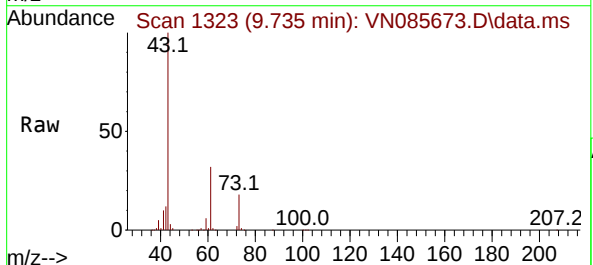
Instrument :
MSVOA_N
ClientSampleId :

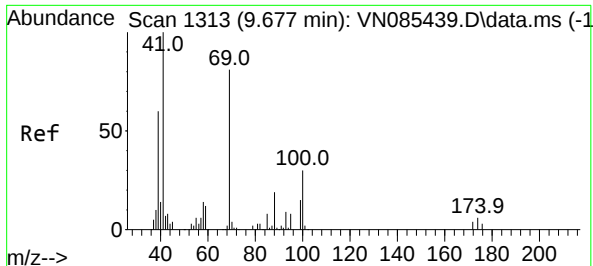
Tgt Ion: 43 Resp: 143908
Ion Ratio Lower Upper
43 100
61 19.7 20.7 31.1#
87 13.2 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.639 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Tgt Ion: 63 Resp: 1874
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 47.181 ug/l

RT: 9.735 min Scan# 1313

Delta R.T. 0.058 min

Lab File: VN085673.D

Acq: 05 Feb 2025 13:35

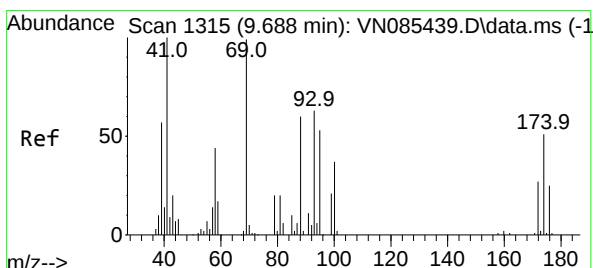
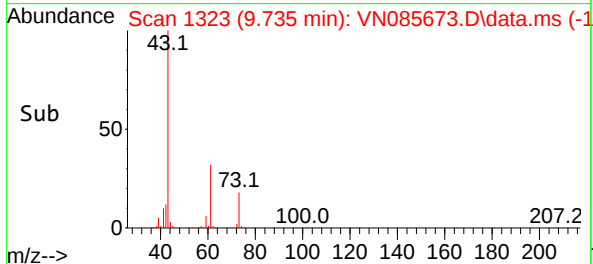
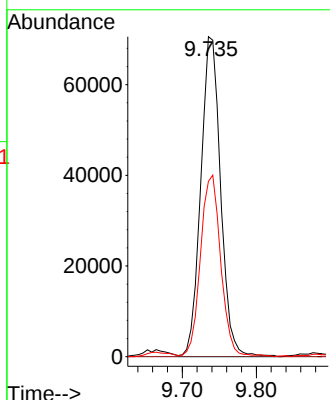
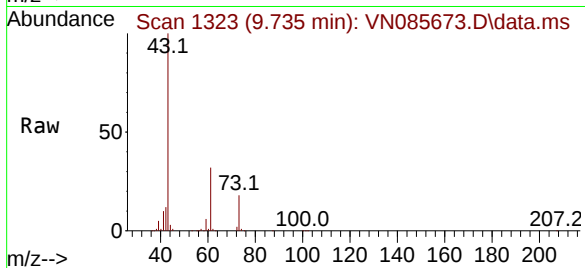
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 41 Resp: 131267

Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.7	97.1#
39	58.0	49.0	73.6



#49

1,4-Dioxane

Concen: 1.900 ug/l

RT: 9.741 min Scan# 1324

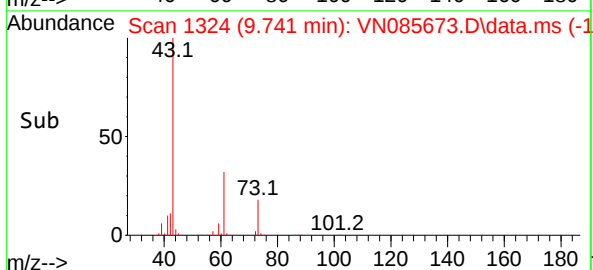
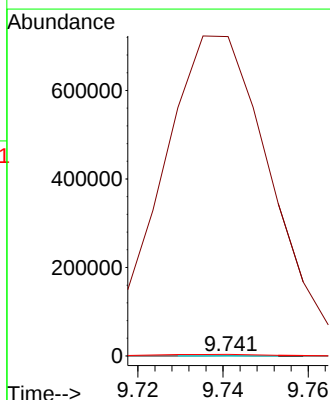
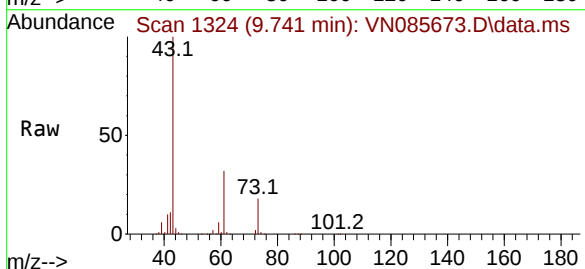
Delta R.T. 0.053 min

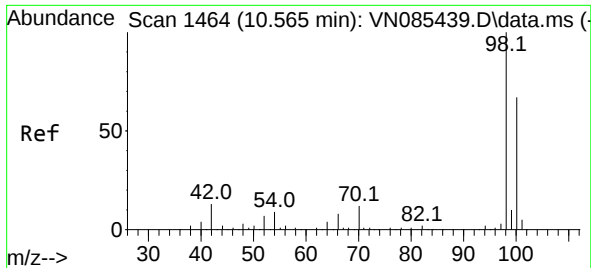
Lab File: VN085673.D

Acq: 05 Feb 2025 13:35

Tgt Ion: 88 Resp: 89

Ion	Ratio	Lower	Upper
88	100		
43	1490265.2	26.6	39.8#
58	8020.2	59.5	89.3#

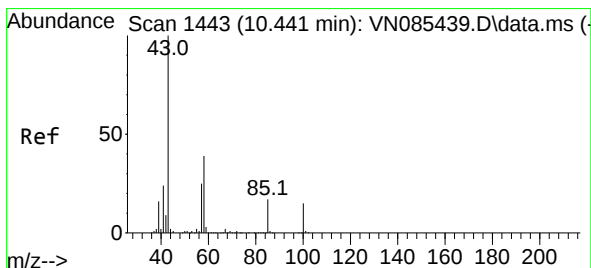
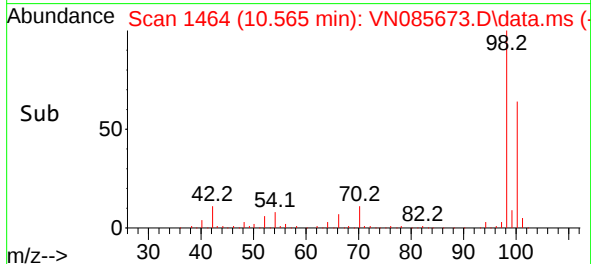
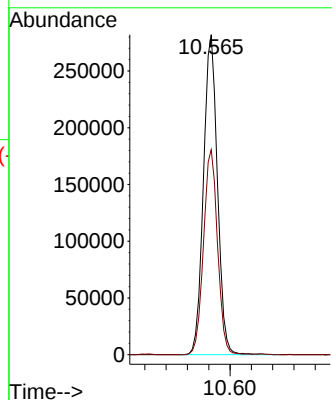
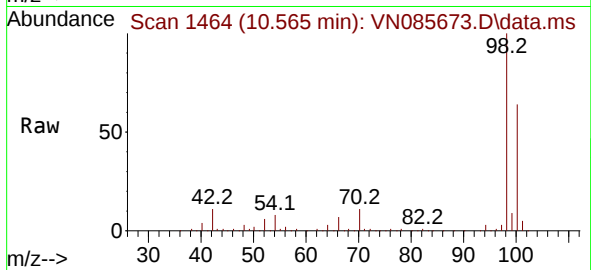




#50
Toluene-d8
Concen: 53.039 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

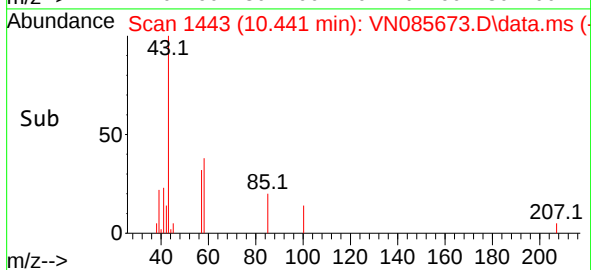
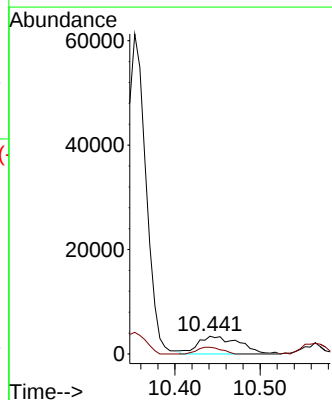
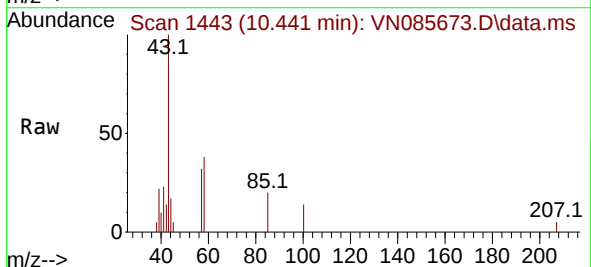
Instrument :
MSVOA_N
ClientSampleId :

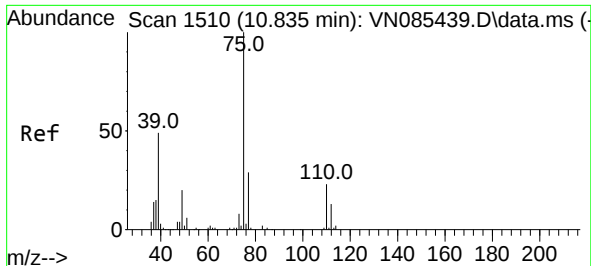
Tgt Ion: 98 Resp: 513250
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.181 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Tgt Ion: 43 Resp: 11412
Ion Ratio Lower Upper
43 100
58 22.4 30.5 45.7#

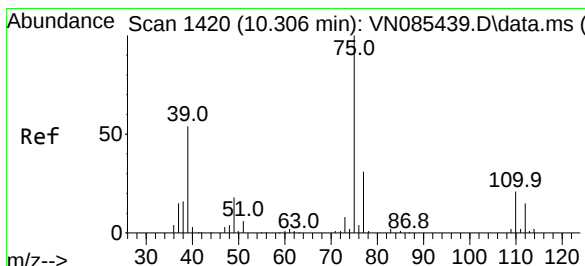
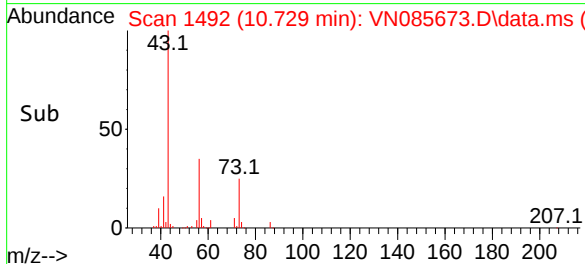
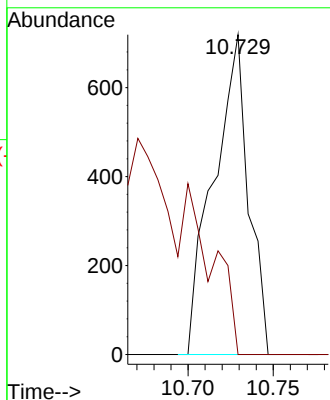
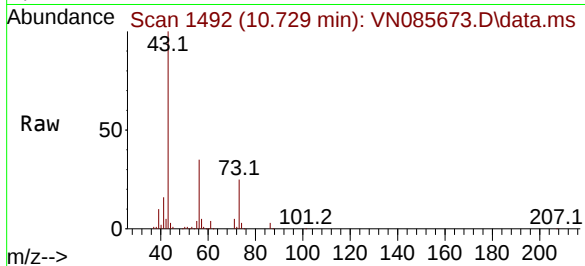




#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

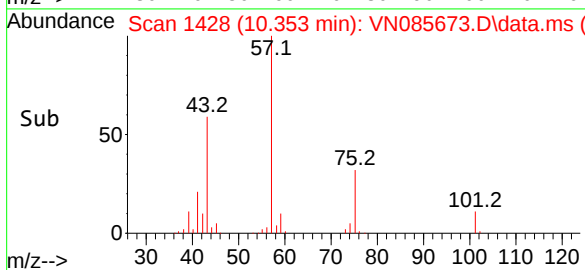
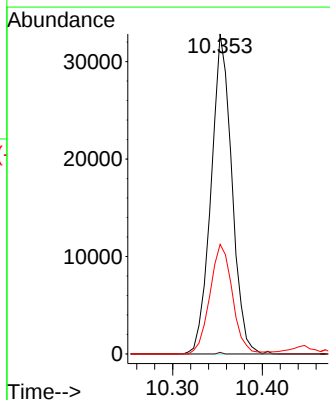
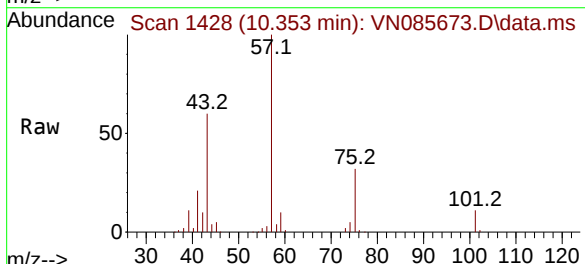
Instrument :
MSVOA_N
ClientSampleId :

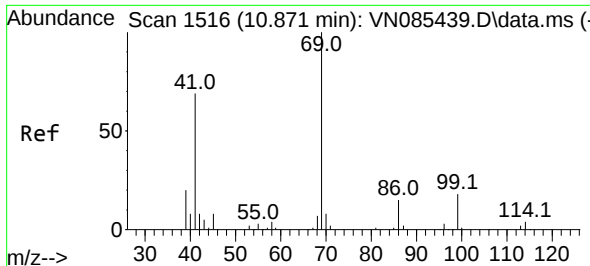
Tgt Ion: 75 Resp: 1023
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 12.141 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

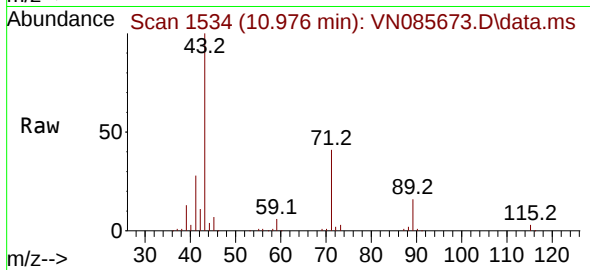
Tgt Ion: 75 Resp: 52854
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 34.2 43.1 64.7#



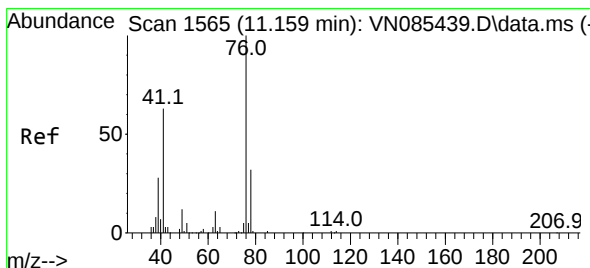
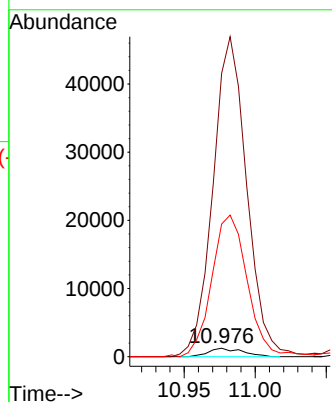
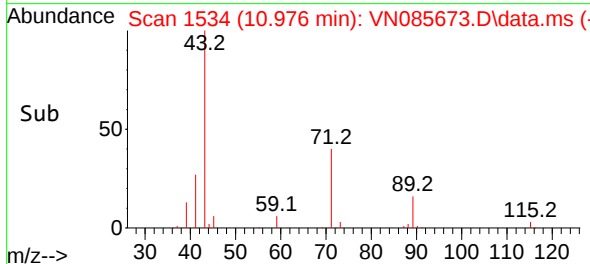


#56
Ethyl methacrylate
Concen: 2.378 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Instrument :
MSVOA_N
ClientSampleId :

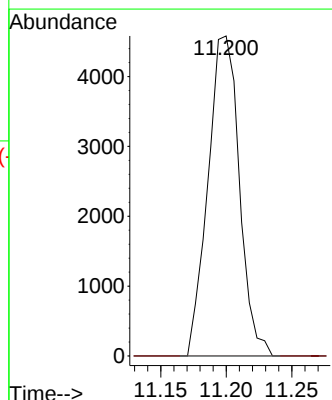
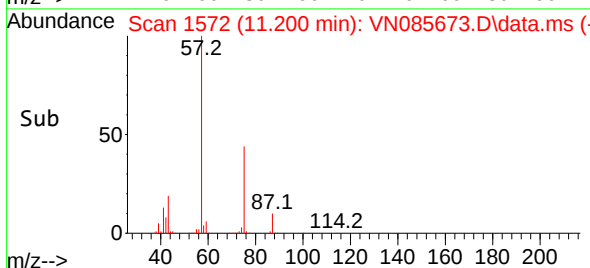
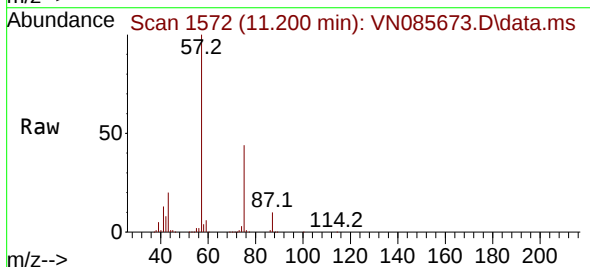


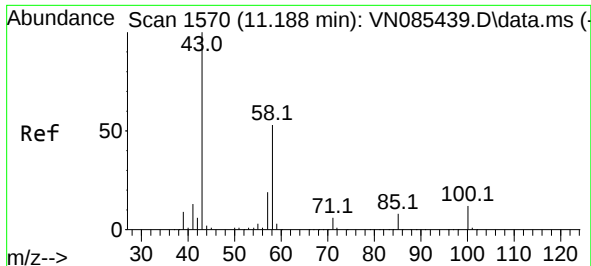
Tgt Ion: 69 Resp: 2061
Ion Ratio Lower Upper
69 100
41 3774.2 54.6 82.0#
39 1764.9 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.665 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Tgt Ion: 76 Resp: 7623
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

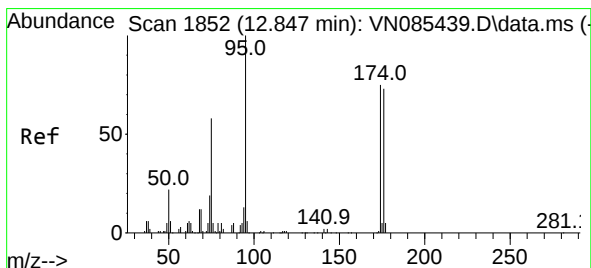
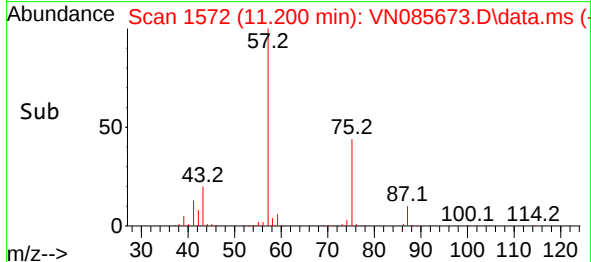
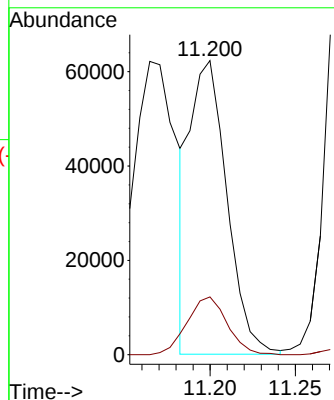
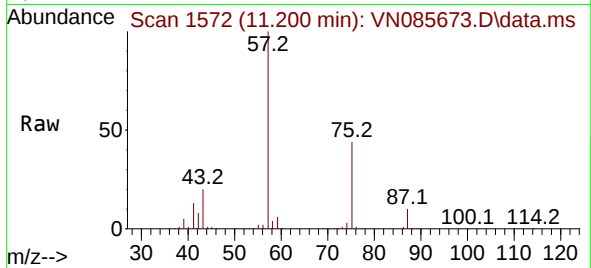




#59
2-Hexanone
Concen: 37.203 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

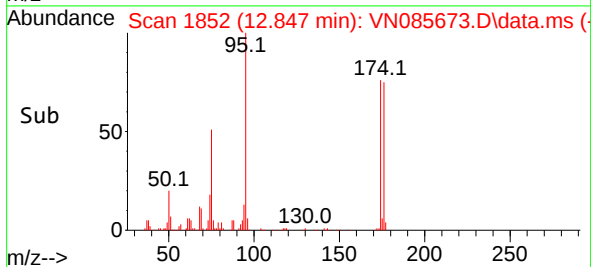
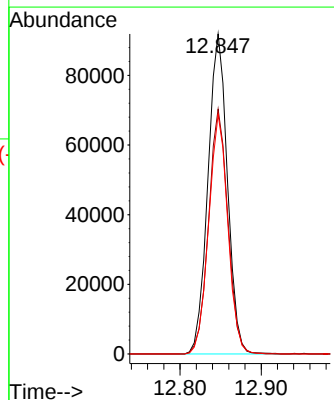
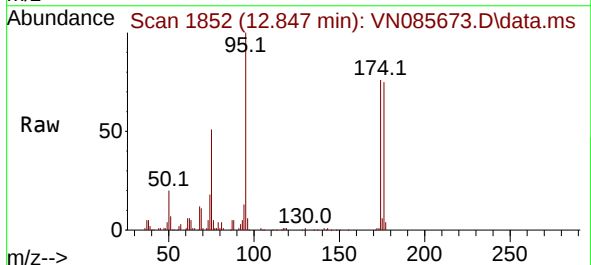
Instrument :
MSVOA_N
ClientSampleId :

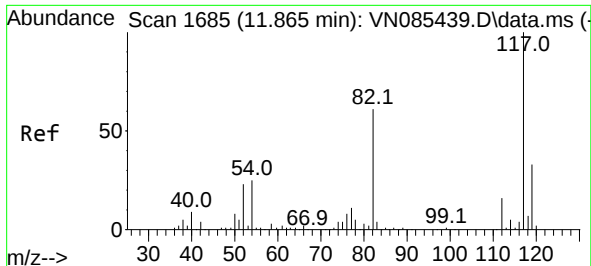
Tgt Ion: 43 Resp: 93911
Ion Ratio Lower Upper
43 100
58 21.4 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.178 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Tgt Ion: 95 Resp: 152860
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.0
176 73.5 0.0 142.4

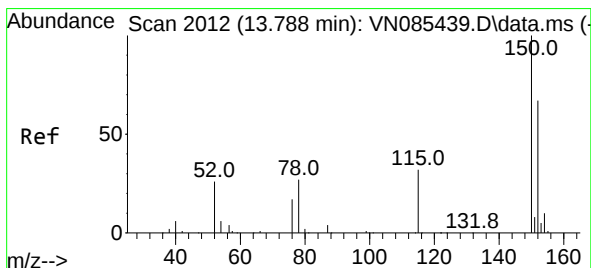
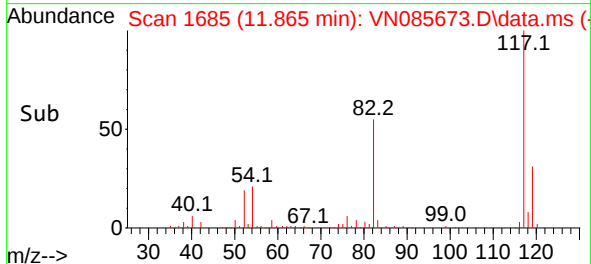
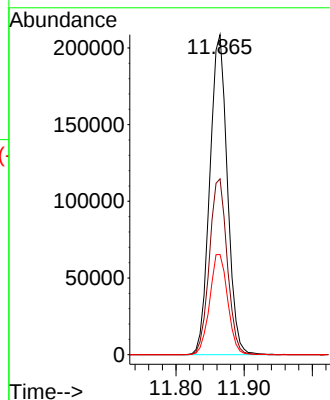
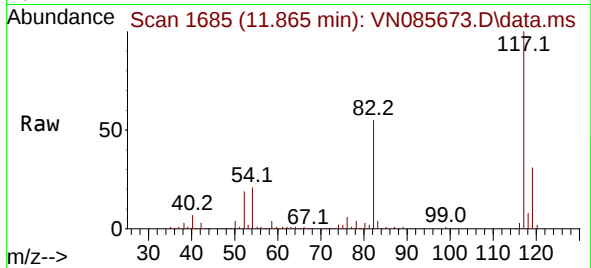




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

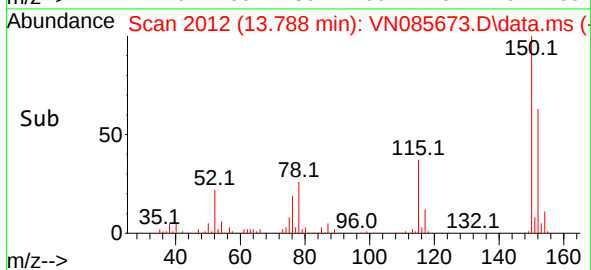
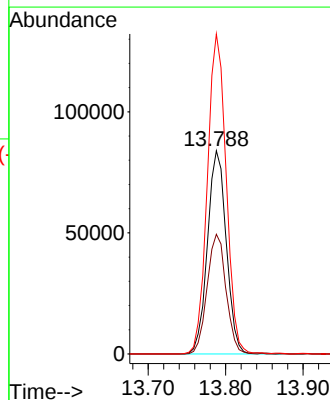
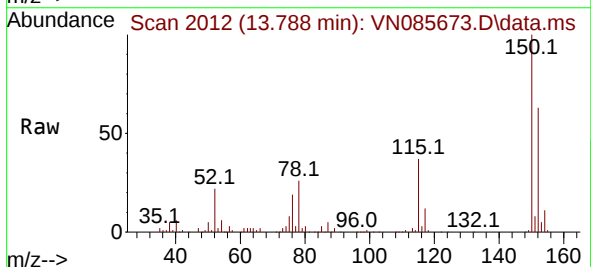
Instrument :
MSVOA_N
ClientSampleId :

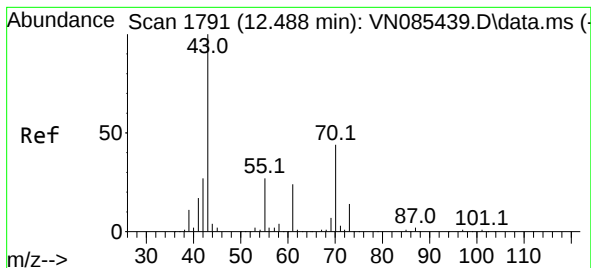
Tgt Ion:117 Resp: 374010
Ion Ratio Lower Upper
117 100
82 54.9 48.6 72.8
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085673.D
Acq: 05 Feb 2025 13:35

Tgt Ion:152 Resp: 141681
Ion Ratio Lower Upper
152 100
115 59.1 31.1 93.3
150 157.1 0.0 343.6





#74

N-amy1 acetate

Concen: 0.302 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.006 min

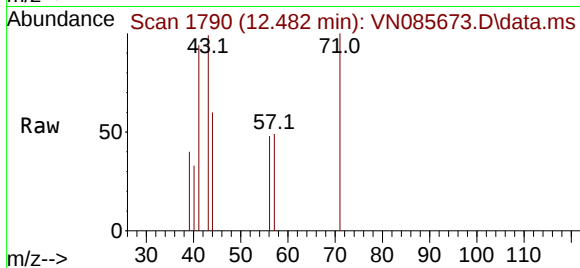
Lab File: VN085673.D

Acq: 05 Feb 2025 13:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1299

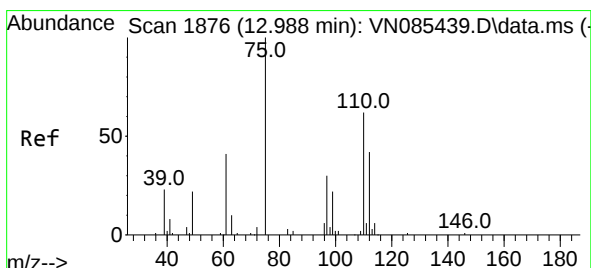
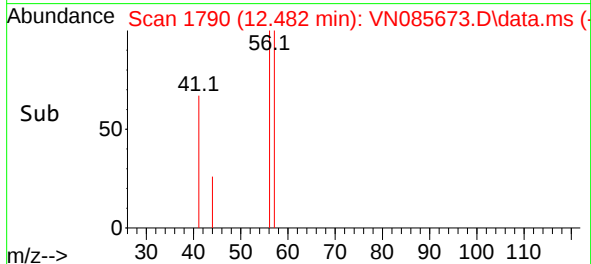
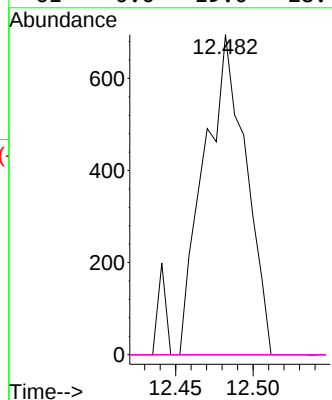
Ion Ratio Lower Upper

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: 28.007 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085673.D

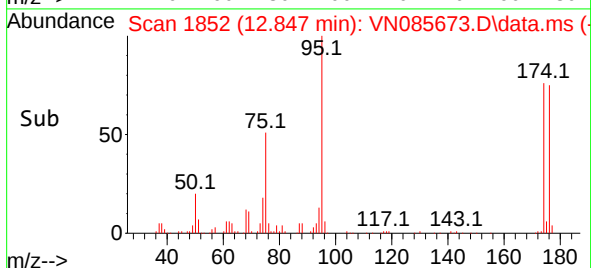
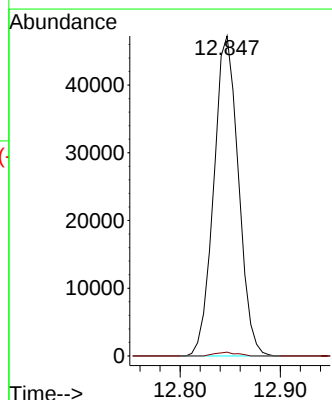
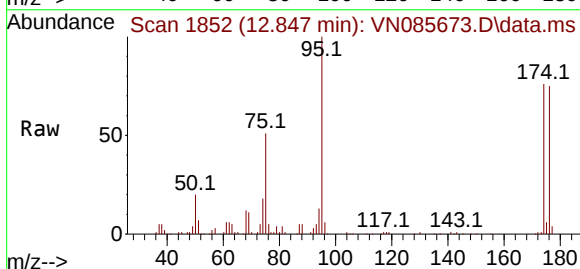
Acq: 05 Feb 2025 13:35

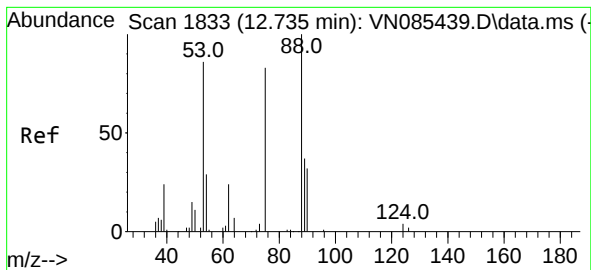
Tgt Ion: 75 Resp: 80651

Ion Ratio Lower Upper

75 100

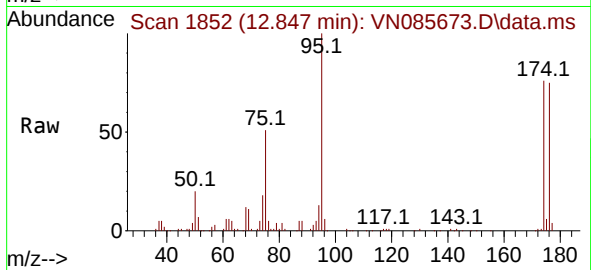
77 1.1 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.774 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085673.D
 Acq: 05 Feb 2025 13:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 80651
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#

