

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085678.D
 Acq On : 05 Feb 2025 15:35
 Operator : JC\MD
 Sample : PB166529ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

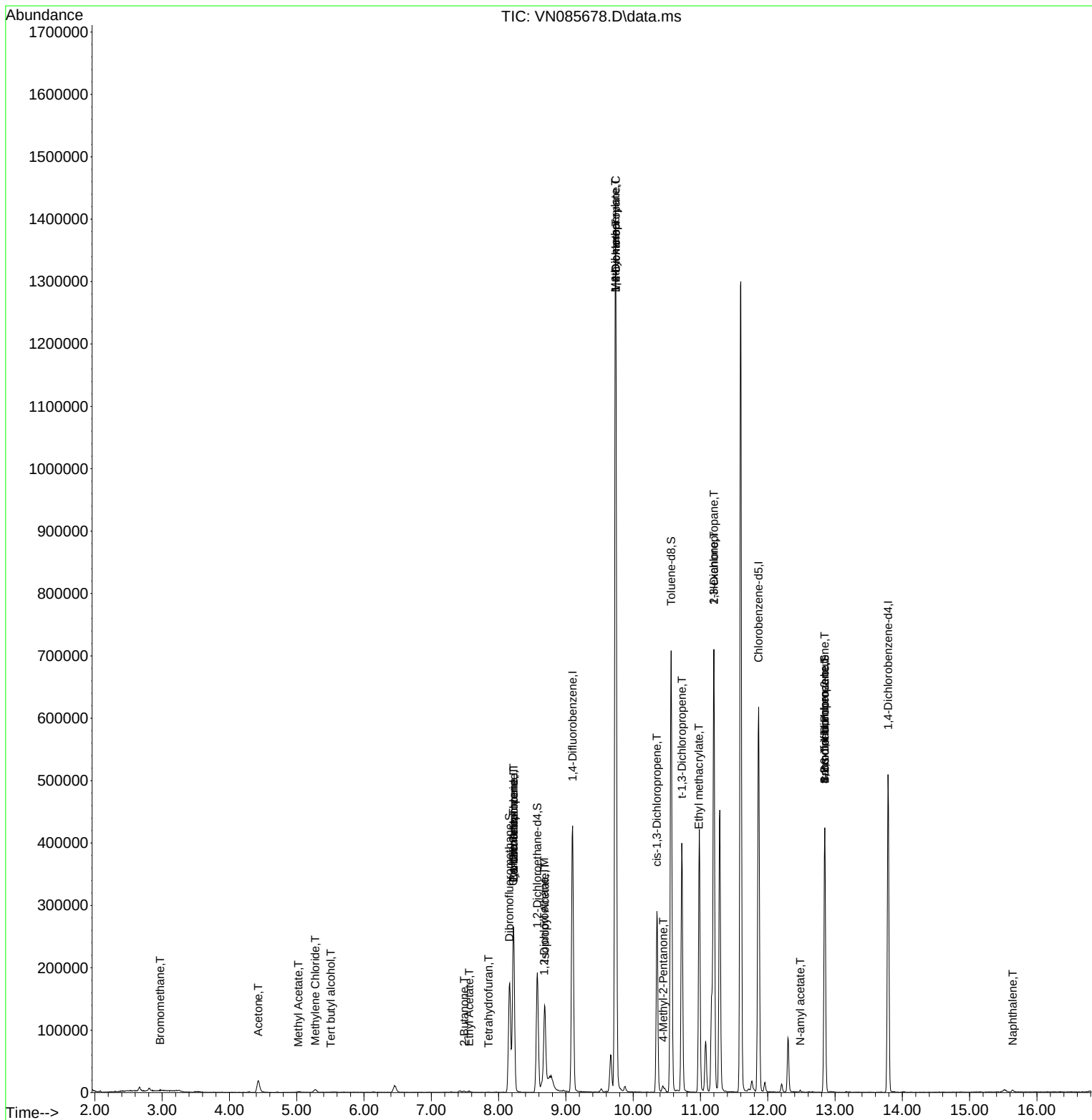
Quant Time: Feb 06 00:42:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

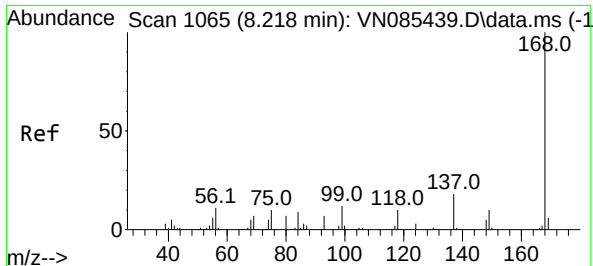
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	187268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	375643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151701	50.184	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.360%			
35) Dibromofluoromethane	8.159	113	127145	48.789	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.580%			
50) Toluene-d8	10.565	98	486253	52.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.040%			
62) 4-Bromofluorobenzene	12.847	95	142347	44.942	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.880%			
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	411	0.247	ug/l	83
11) Tert butyl alcohol	5.506	59	183	0.529	ug/l #	71
16) Acetone	4.430	43	34592	35.416	ug/l	92
18) Methyl Acetate	5.024	43	1931	0.650	ug/l	99
20) Methylene Chloride	5.277	84	3394	1.404	ug/l #	86
25) 2-Butanone	7.488	43	3420	2.379	ug/l #	88
29) Tetrahydrofuran	7.853	42	205	0.225	ug/l #	34
31) Cyclohexane	8.218	56	4532	1.181	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	17252	4.717	ug/l #	51
37) Ethyl Acetate	7.565	43	3371	0.913	ug/l #	89
38) Carbon Tetrachloride	8.224	117	20076	4.795	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1003	0.242	ug/l #	76
43) Isopropyl Acetate	8.688	43	175876	29.732	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	2138	0.762	ug/l #	43
48) Methyl methacrylate	9.735	41	132520	49.780	ug/l #	46
49) 1,4-Dioxane	9.741	88	204	4.551	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10704	3.118	ug/l #	75
53) t-1,3-Dichloropropene	10.724	75	912	0.234	ug/l #	46
54) cis-1,3-Dichloropropene	10.353	75	52463	12.595	ug/l #	64
56) Ethyl methacrylate	10.976	69	2240	2.438	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7476	1.706	ug/l #	43
59) 2-Hexanone	11.200	43	92262	38.199	ug/l #	56
71) Bromoform	12.847	173	1254	0.624	ug/l #	1
74) N-amyl acetate	12.482	43	1262	0.313	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	76885	28.489	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76885	77.079	ug/l #	3
95) Naphthalene	15.641	128	4549	0.763	ug/l #	95

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

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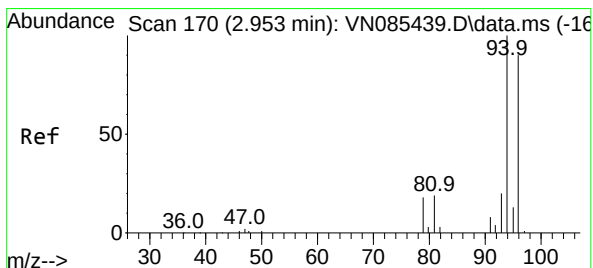
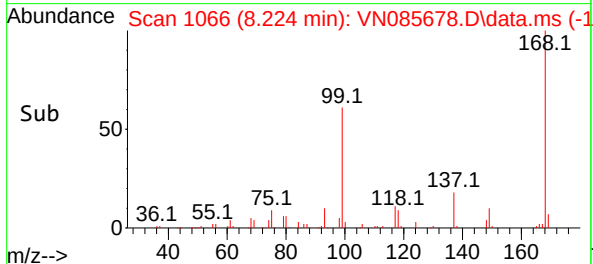
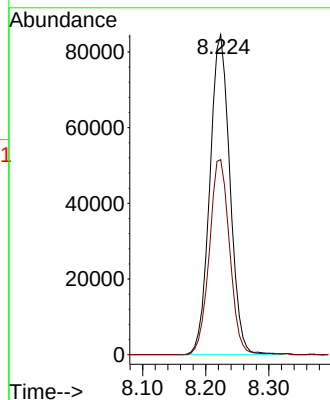
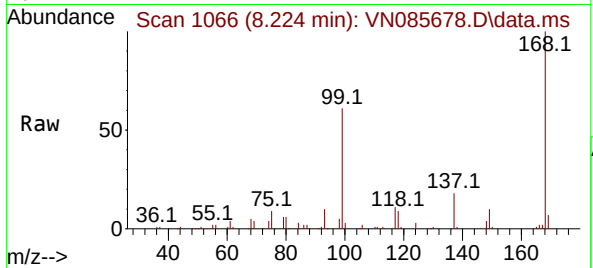




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

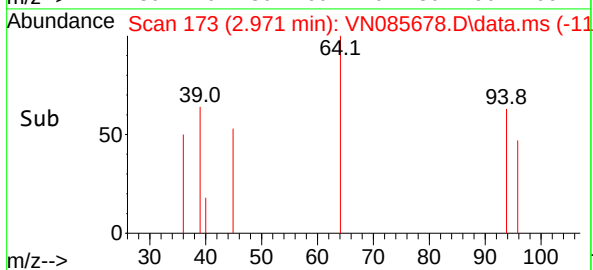
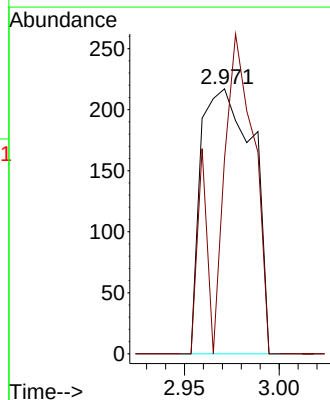
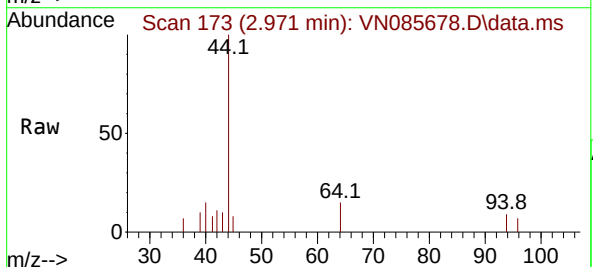
Instrument :
MSVOA_N
ClientSampleId :

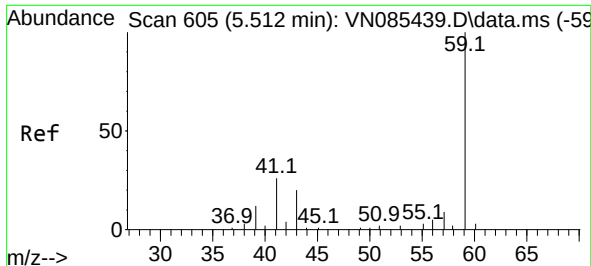
Tgt Ion:168 Resp: 187268
Ion Ratio Lower Upper
168 100
99 61.0 53.6 80.4



#5
Bromomethane
Concen: 0.247 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

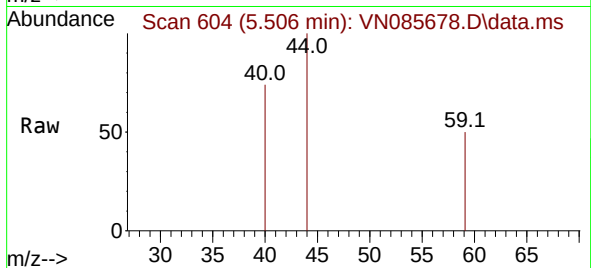
Tgt Ion: 94 Resp: 411
Ion Ratio Lower Upper
94 100
96 73.7 71.8 107.6



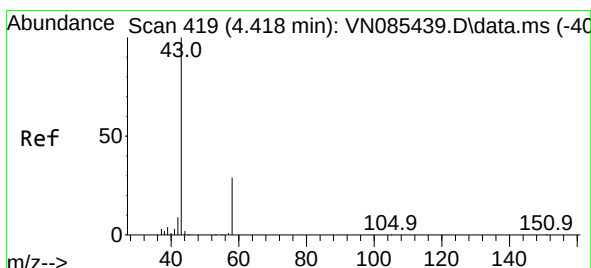
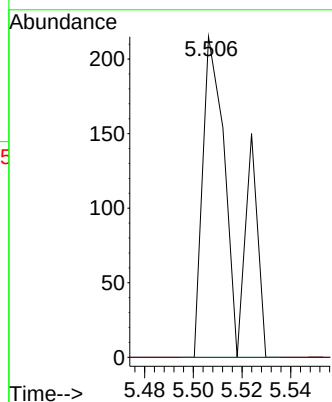
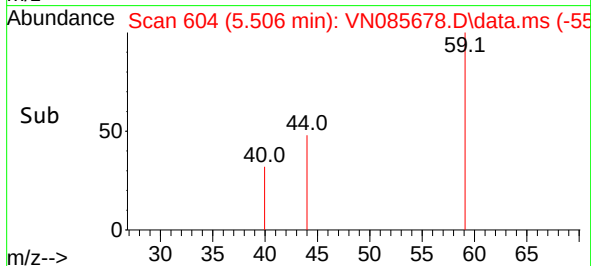


#11
Tert butyl alcohol
Concen: 0.529 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

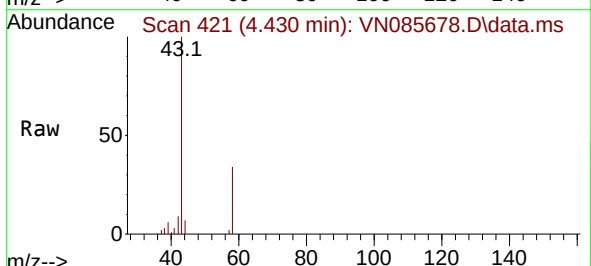
Instrument :
MSVOA_N
ClientSampleId :



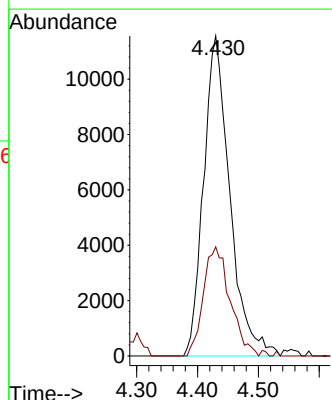
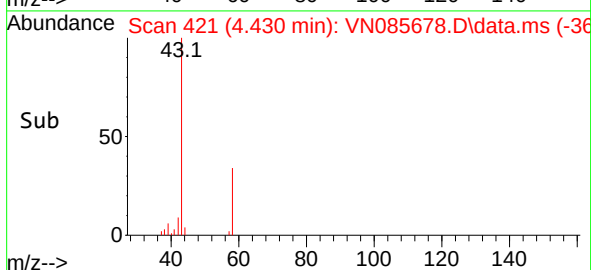
Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

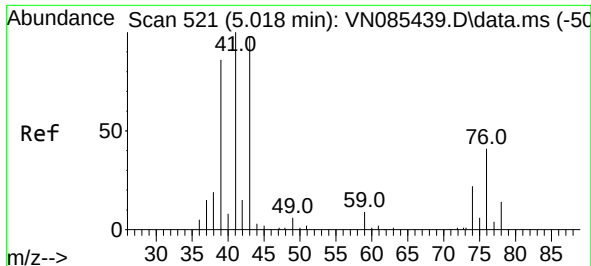


#16
Acetone
Concen: 35.416 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35



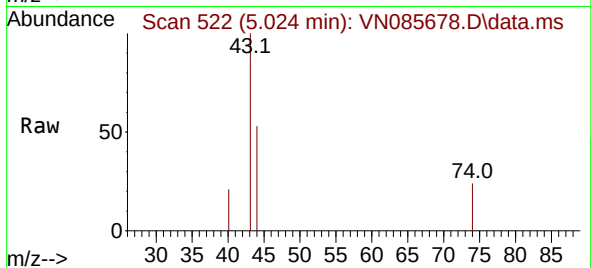
Tgt Ion: 43 Resp: 34592
Ion Ratio Lower Upper
43 100
58 34.1 23.8 35.6



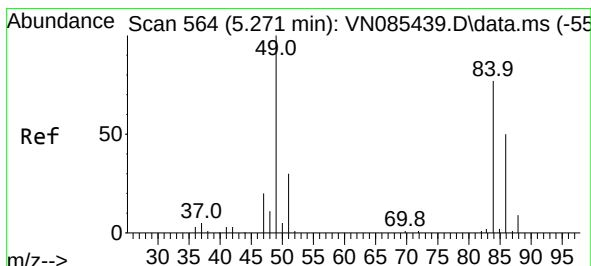
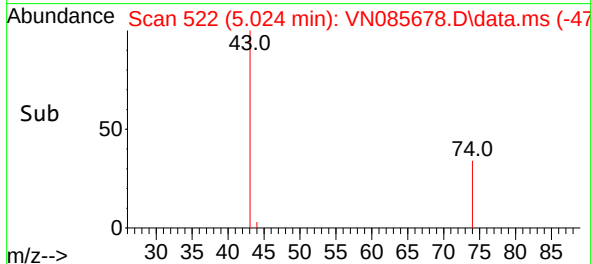
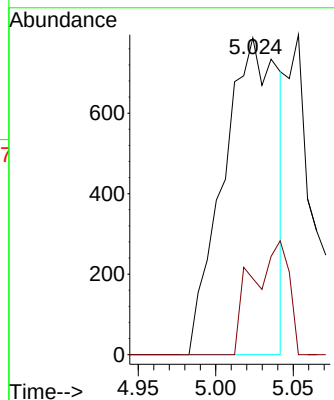


#18
Methyl Acetate
Concen: 0.650 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

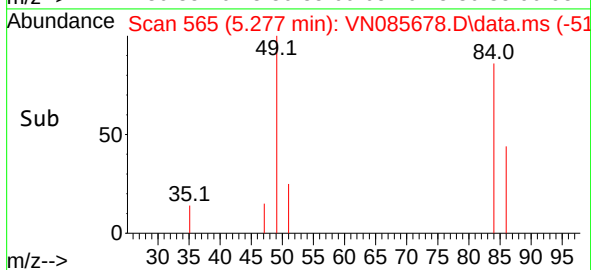
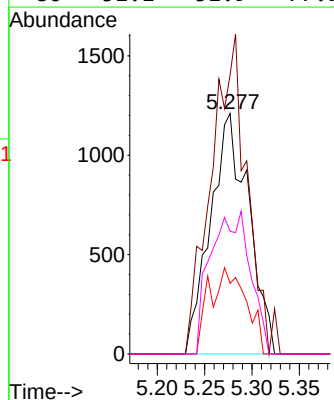
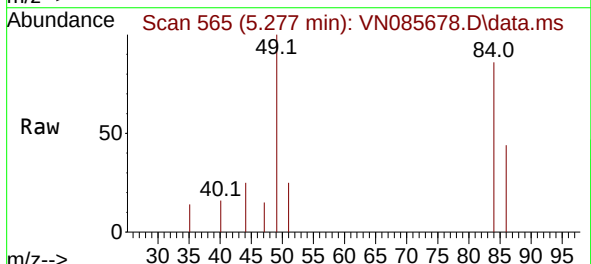


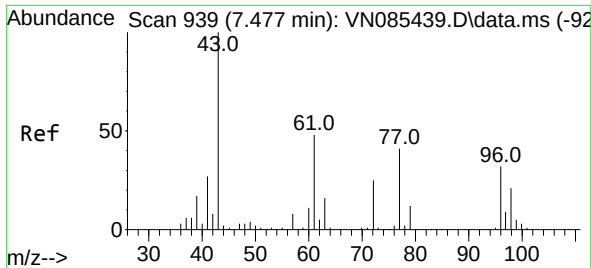
Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
74 23.8 18.6 28.0



#20
Methylene Chloride
Concen: 1.404 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 84 Resp: 3394
Ion Ratio Lower Upper
84 100
49 116.1 104.1 156.1
51 29.3 31.0 46.4#
86 51.1 51.9 77.9#

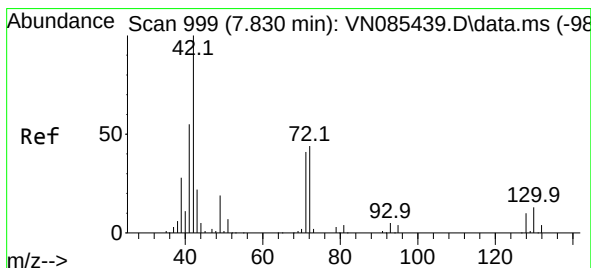
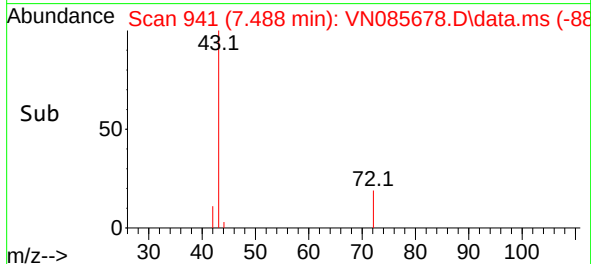
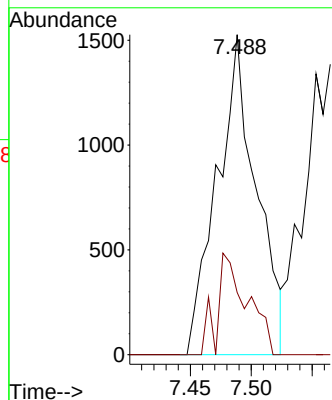
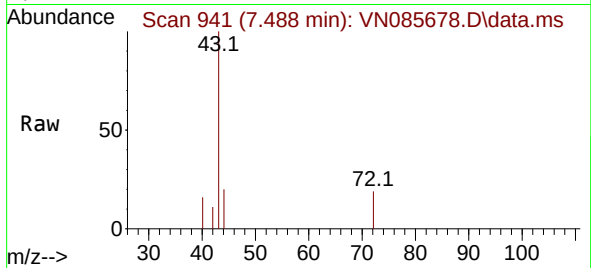




#25
2-Butanone
Concen: 2.379 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

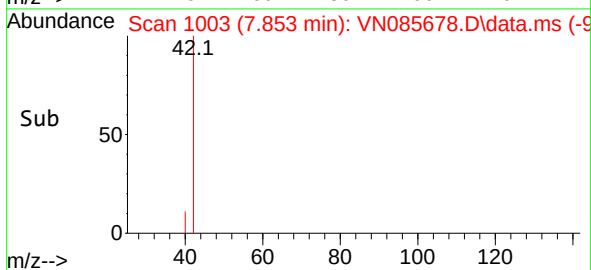
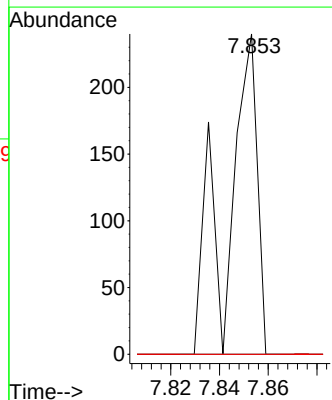
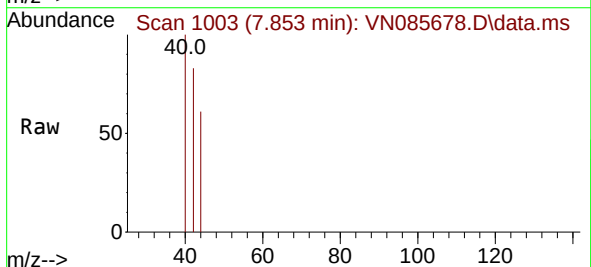
Instrument :
MSVOA_N
ClientSampleId :

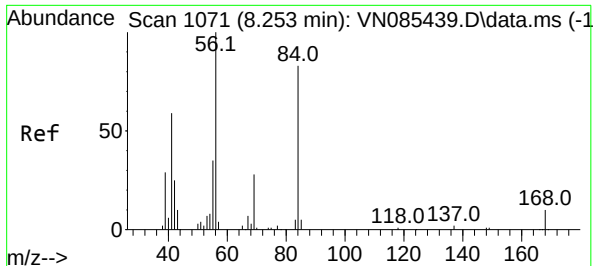
Tgt Ion: 43 Resp: 3420
Ion Ratio Lower Upper
43 100
72 19.4 20.2 30.4#



#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.023 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

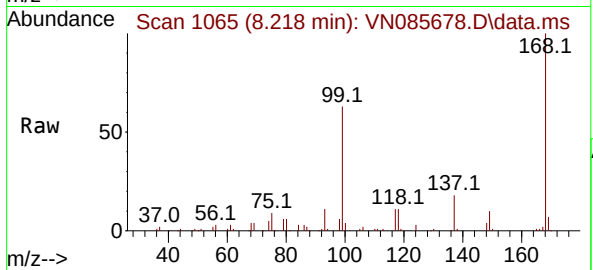
Tgt Ion: 42 Resp: 205
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#



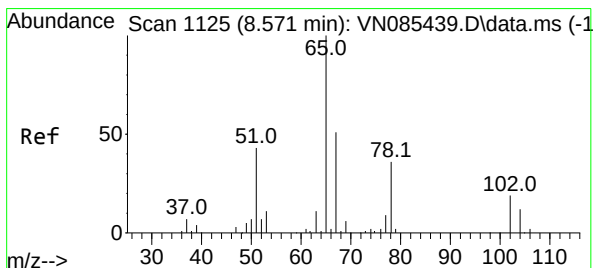
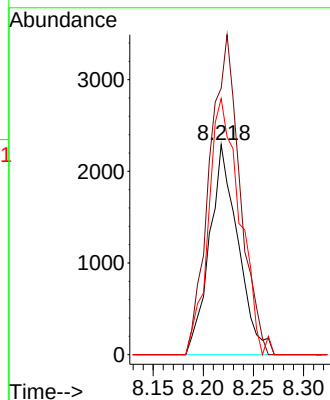
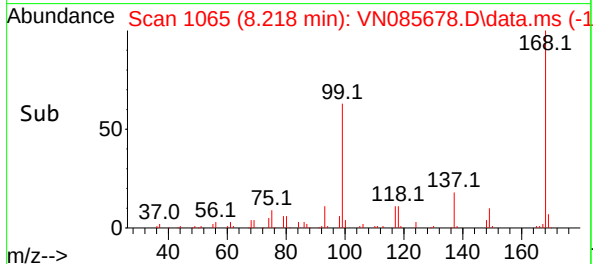


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

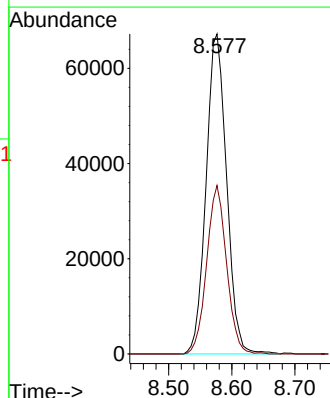
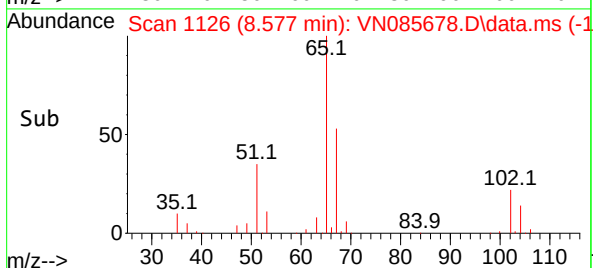
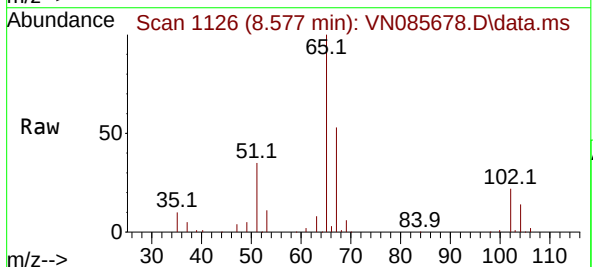


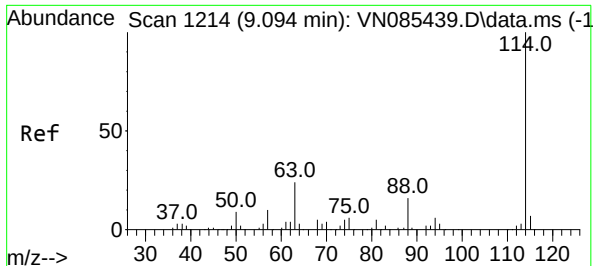
Tgt Ion: 56 Resp: 4532
Ion Ratio Lower Upper
56 100
69 126.8 22.2 33.4#
84 121.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.184 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 65 Resp: 151701
Ion Ratio Lower Upper
65 100
67 51.1 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: VN085678.D

Acq: 05 Feb 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

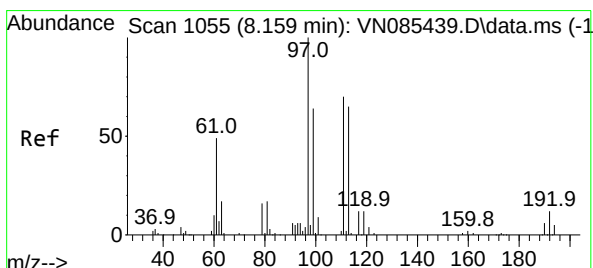
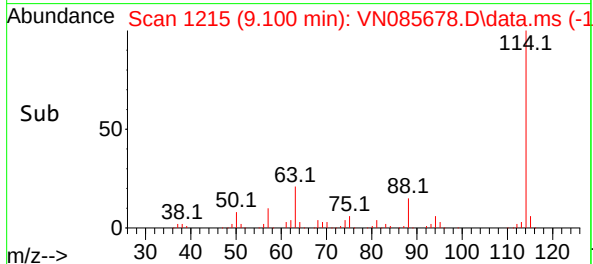
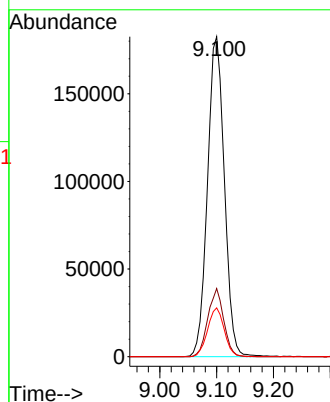
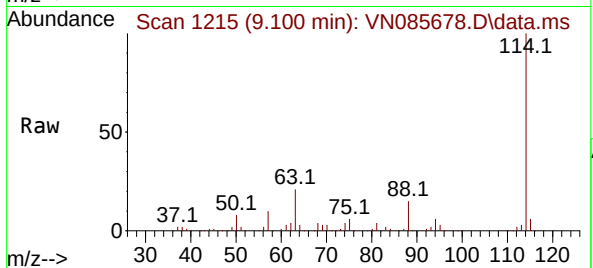
Tgt Ion:114 Resp: 375643

Ion Ratio Lower Upper

114 100

63 21.3 0.0 47.6

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.789 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085678.D

Acq: 05 Feb 2025 15:35

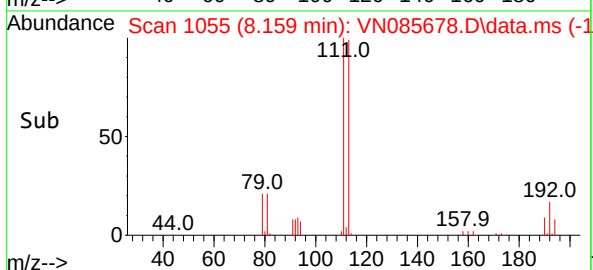
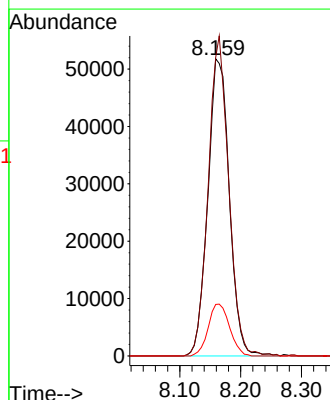
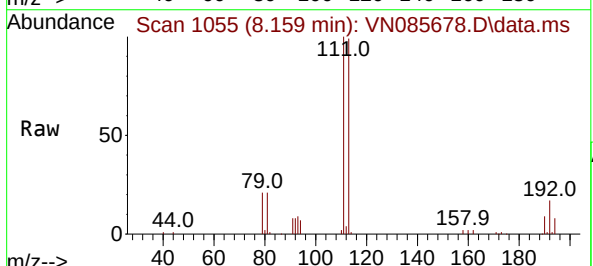
Tgt Ion:113 Resp: 127145

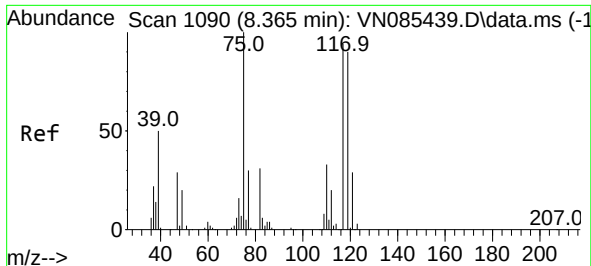
Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

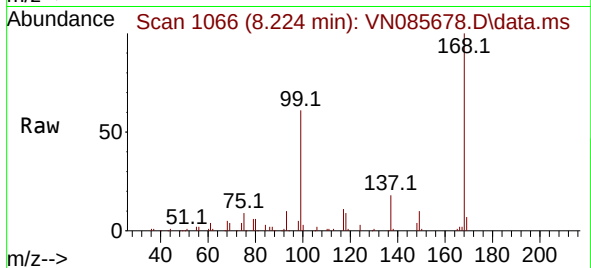
192 17.3 14.3 21.5



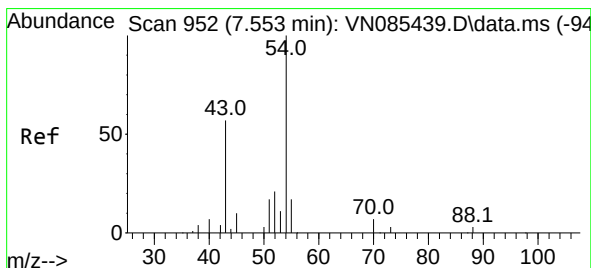
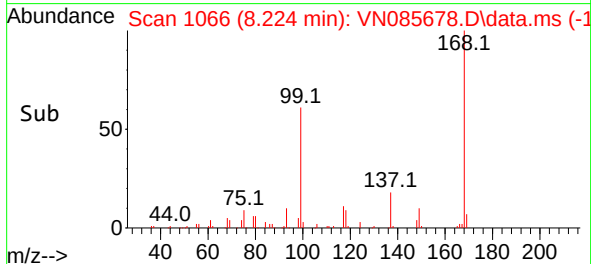
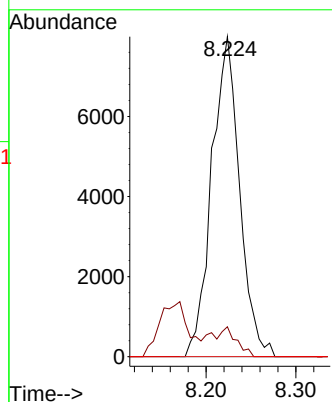


#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN085678.D
 Acq: 05 Feb 2025 15:35

Instrument :
 MSVOA_N
 ClientSampleId :

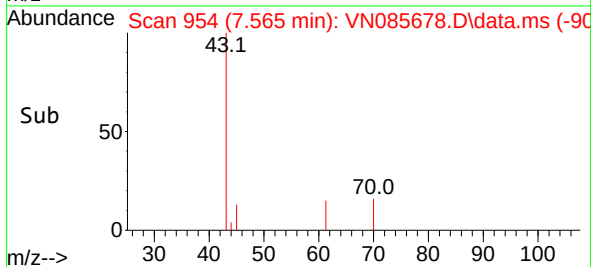
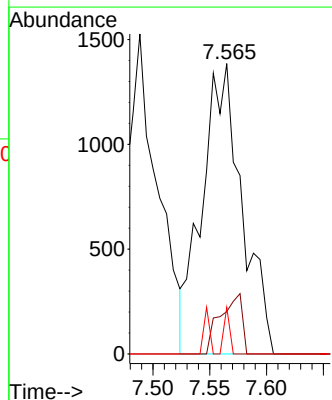
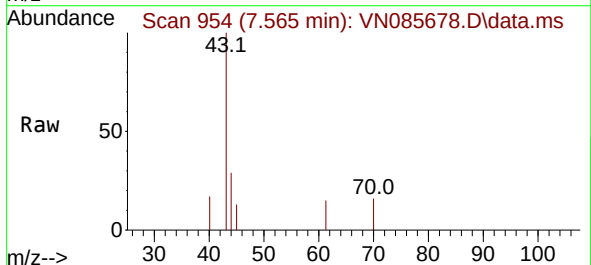


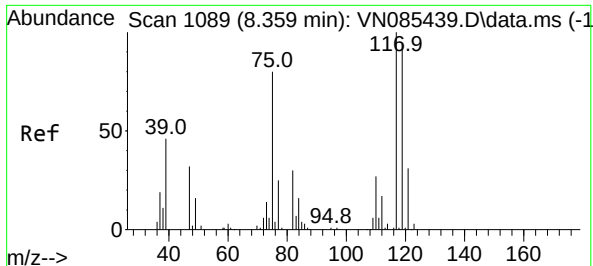
Tgt Ion: 75 Resp: 17252
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.5 49.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.913 ug/l
 RT: 7.565 min Scan# 954
 Delta R.T. 0.012 min
 Lab File: VN085678.D
 Acq: 05 Feb 2025 15:35

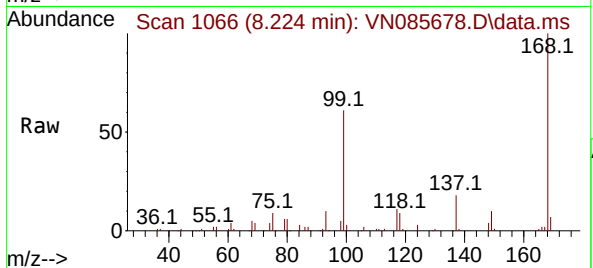
Tgt Ion: 43 Resp: 3371
 Ion Ratio Lower Upper
 43 100
 61 11.4 10.9 16.3
 70 2.3 7.5 11.3#



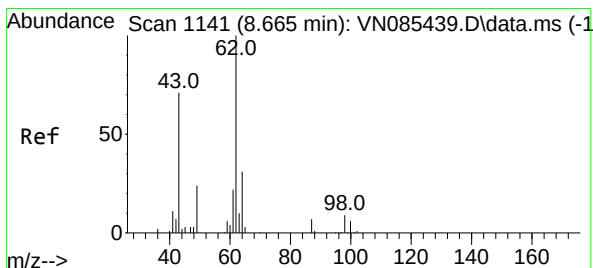
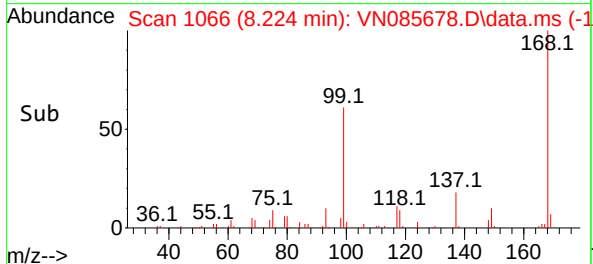
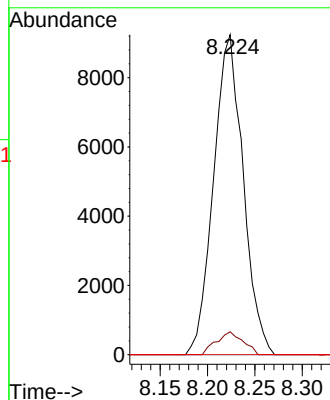


#38
Carbon Tetrachloride
Concen: 4.795 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

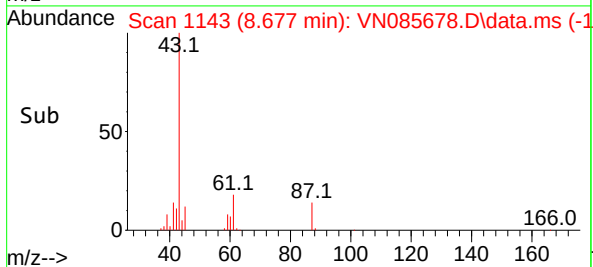
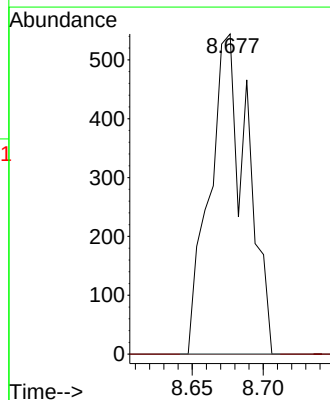
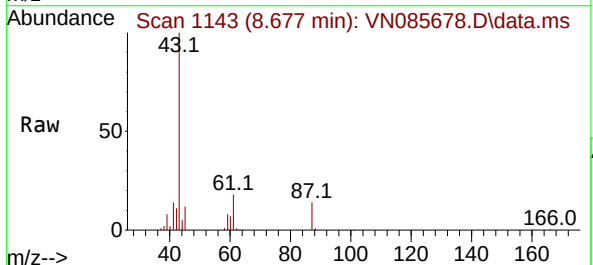


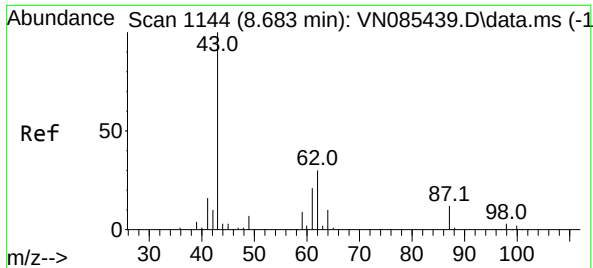
Tgt Ion:117 Resp: 20076
Ion Ratio Lower Upper
117 100
119 7.1 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.242 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 62 Resp: 1003
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

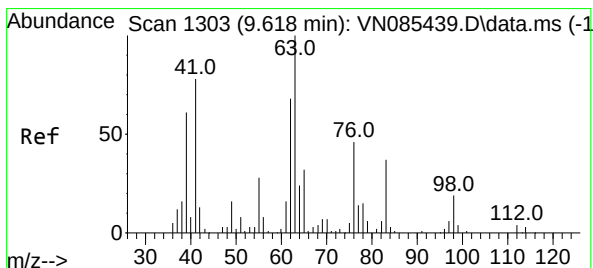
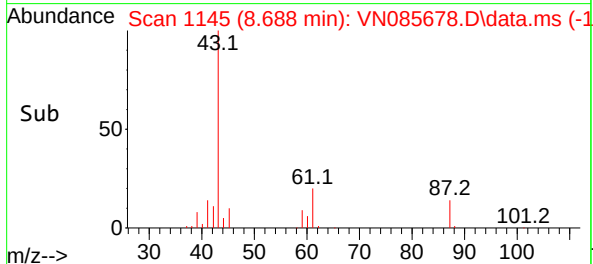
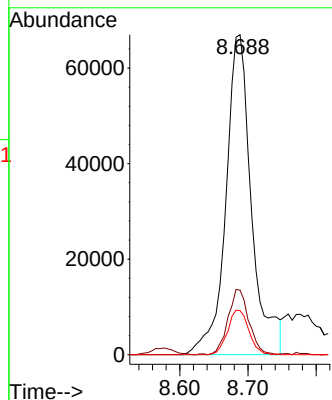
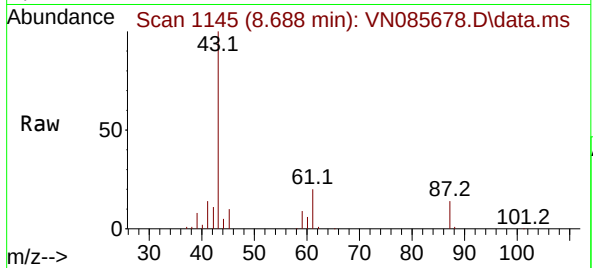




#43
Isopropyl Acetate
Concen: 29.732 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

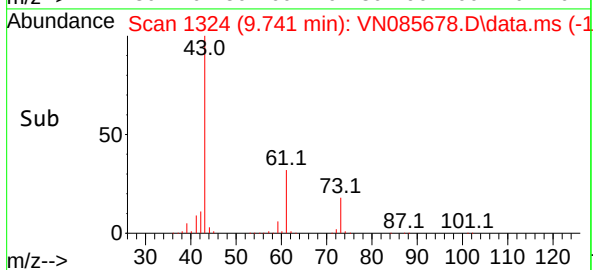
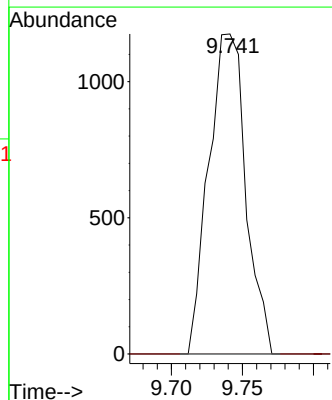
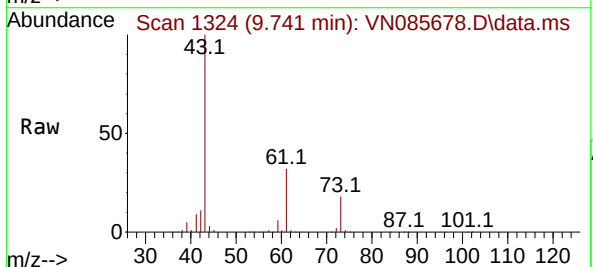
Instrument :
MSVOA_N
ClientSampleId :

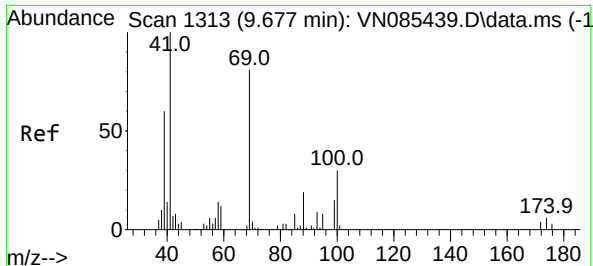
Tgt Ion: 43 Resp: 175876
Ion Ratio Lower Upper
43 100
61 16.5 20.7 31.1#
87 11.4 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.762 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 63 Resp: 2138
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 49.780 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.058 min

Lab File: VN085678.D

Acq: 05 Feb 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

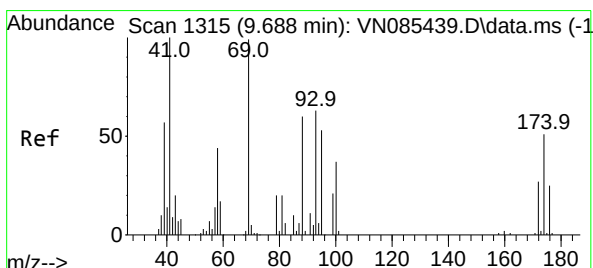
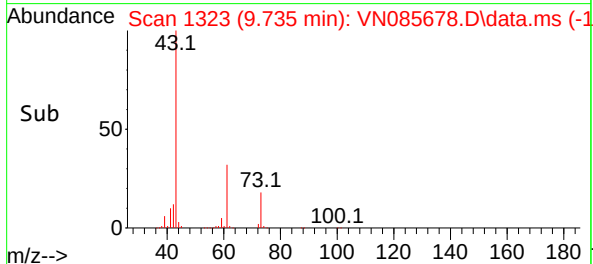
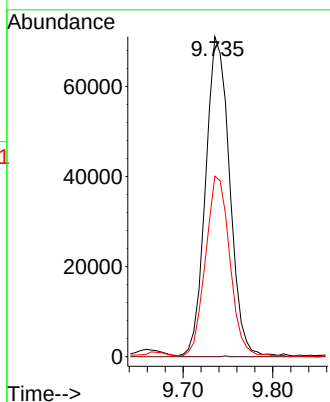
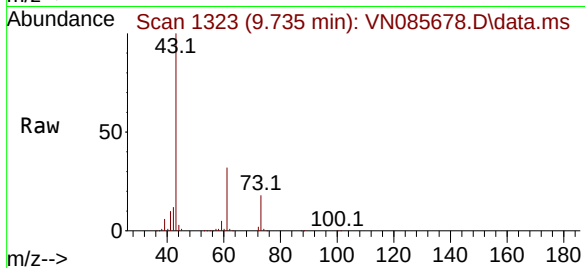
Tgt Ion: 41 Resp: 132520

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 57.2 49.0 73.6



#49

1,4-Dioxane

Concen: 4.551 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085678.D

Acq: 05 Feb 2025 15:35

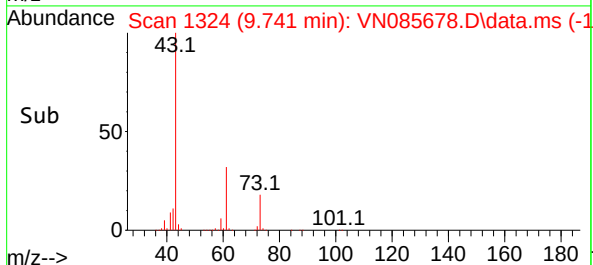
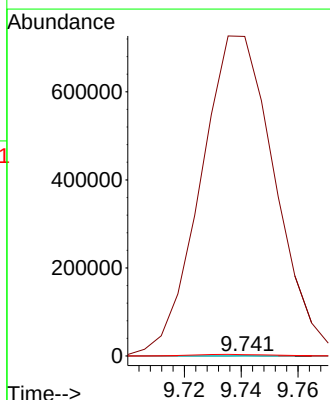
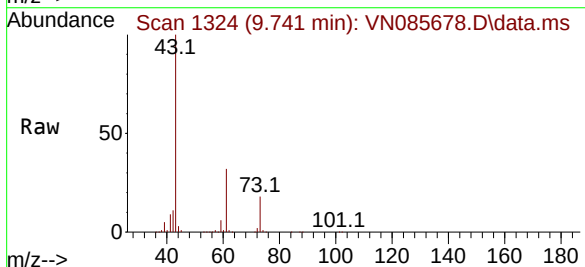
Tgt Ion: 88 Resp: 204

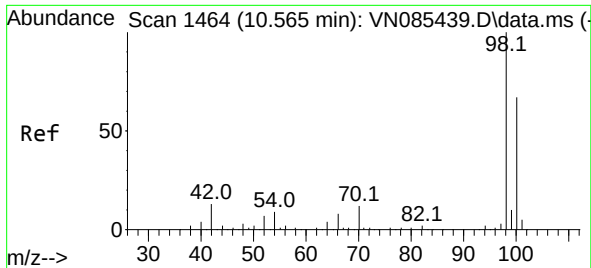
Ion Ratio Lower Upper

88 100

43 654763.2 26.6 39.8#

58 3456.9 59.5 89.3#

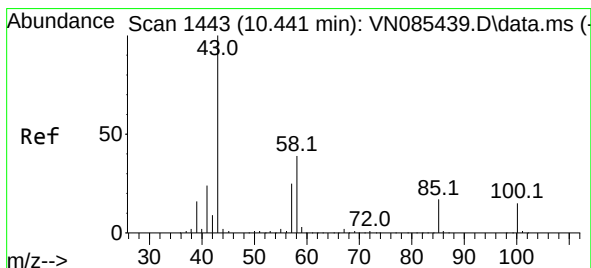
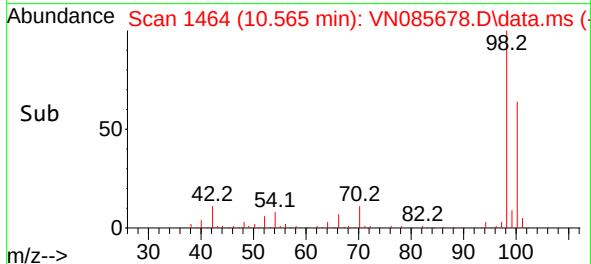
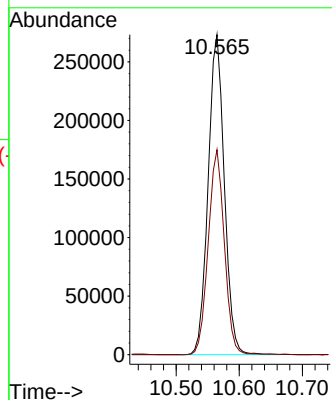
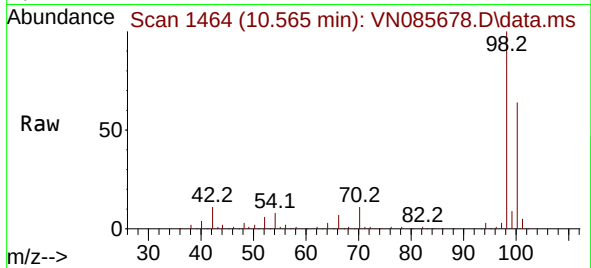




#50
Toluene-d8
Concen: 52.516 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

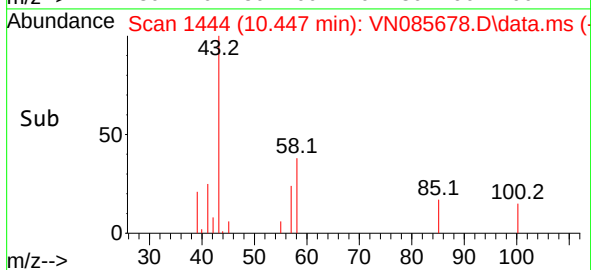
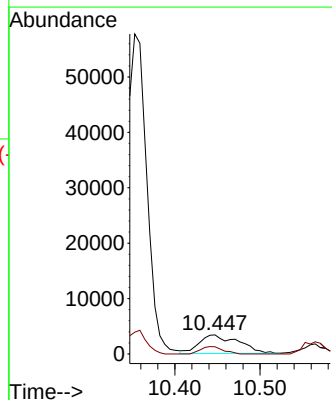
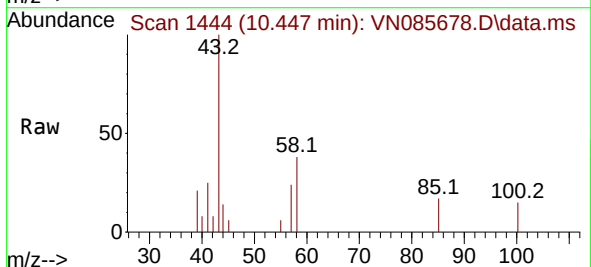
Instrument :
MSVOA_N
ClientSampleId :

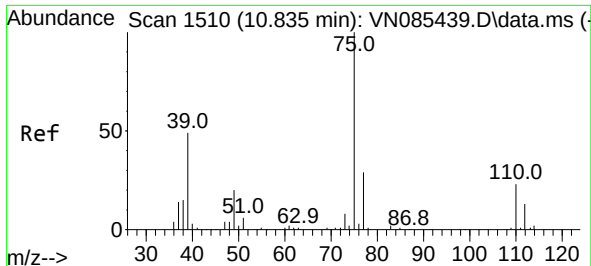
Tgt Ion: 98 Resp: 486253
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.118 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 43 Resp: 10704
Ion Ratio Lower Upper
43 100
58 22.9 30.5 45.7#

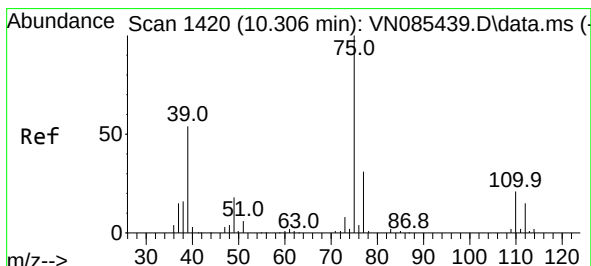
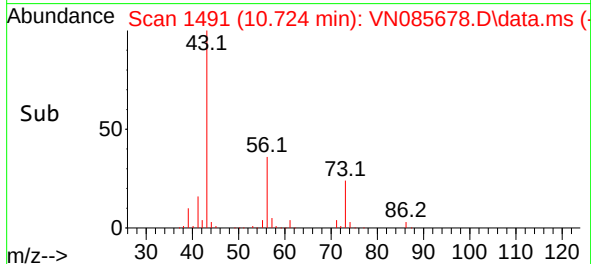
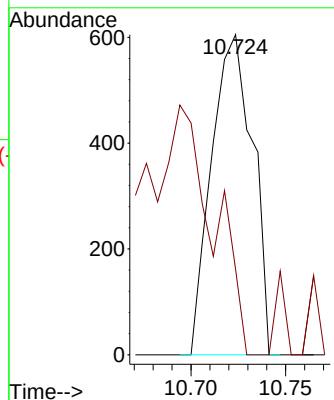
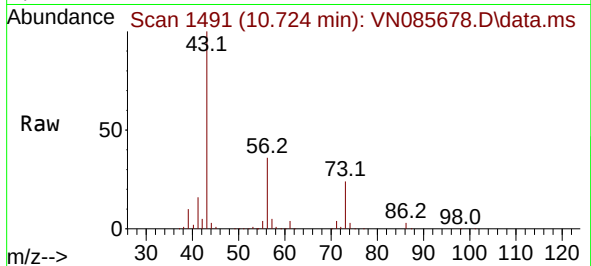




#53
 t-1,3-Dichloropropene
 Concen: 0.234 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085678.D
 Acq: 05 Feb 2025 15:35

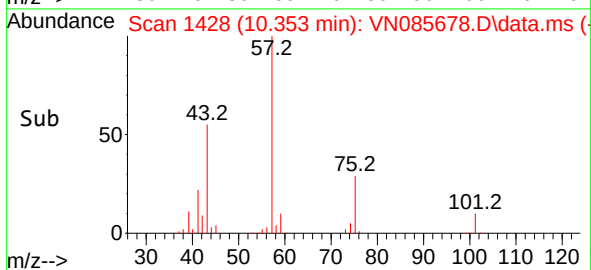
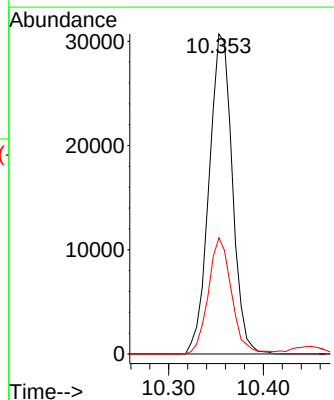
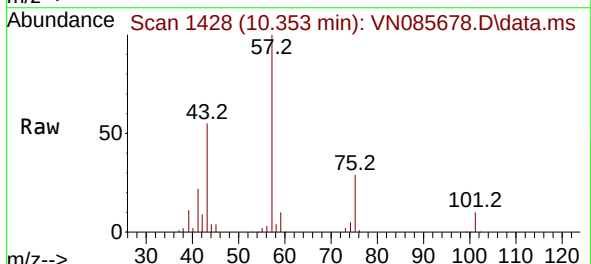
Instrument :
 MSVOA_N
 ClientSampleId :

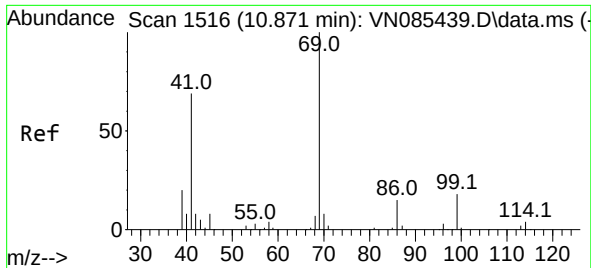
Tgt Ion: 75 Resp: 912
 Ion Ratio Lower Upper
 75 100
 77 0.7 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.595 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085678.D
 Acq: 05 Feb 2025 15:35

Tgt Ion: 75 Resp: 52463
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 36.3 43.1 64.7#

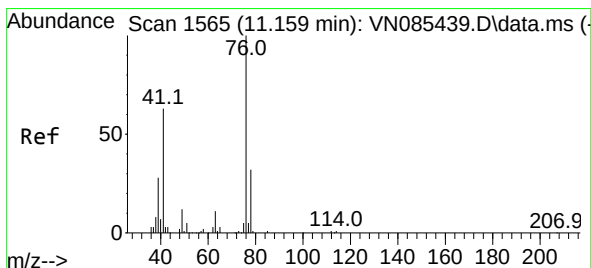
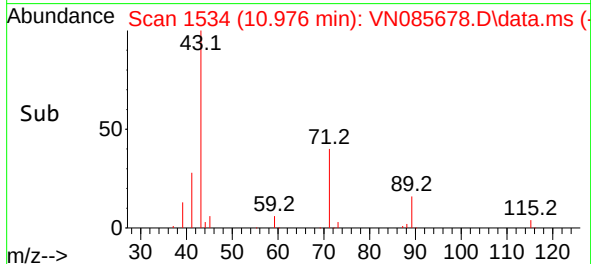
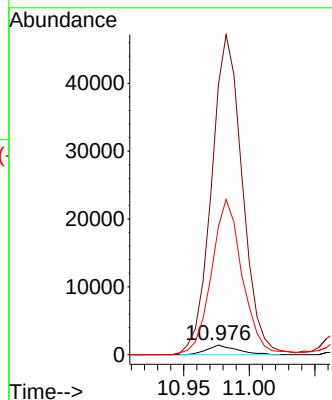
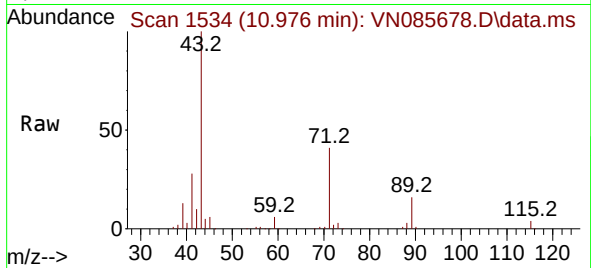




#56
Ethyl methacrylate
Concen: 2.438 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

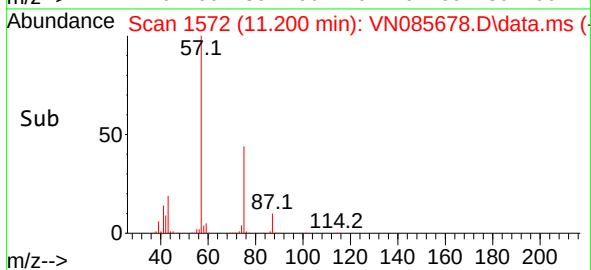
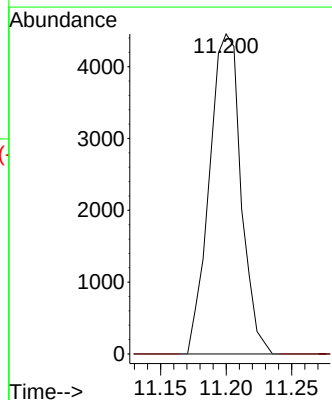
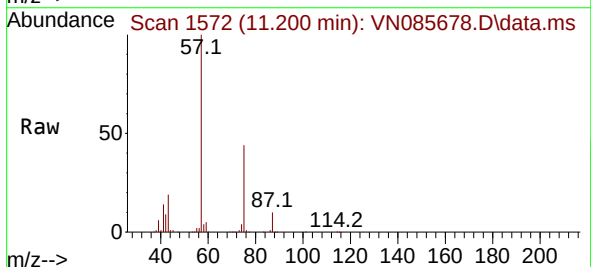
Instrument :
MSVOA_N
ClientSampleId :

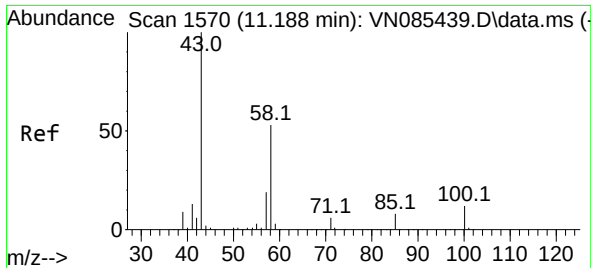
Tgt Ion: 69 Resp: 2240
Ion Ratio Lower Upper
69 100
41 3448.2 54.6 82.0#
39 1675.5 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.706 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 76 Resp: 7476
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

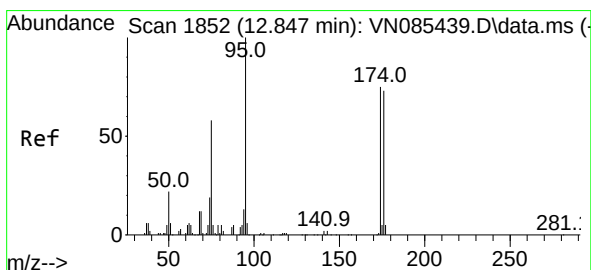
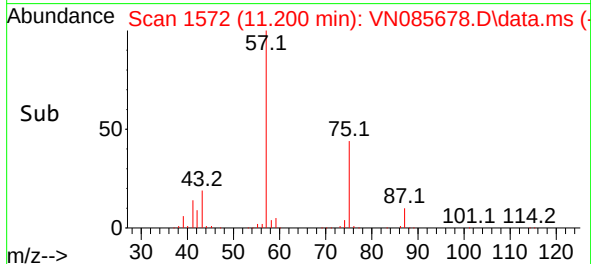
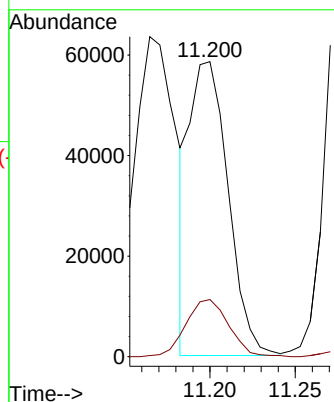
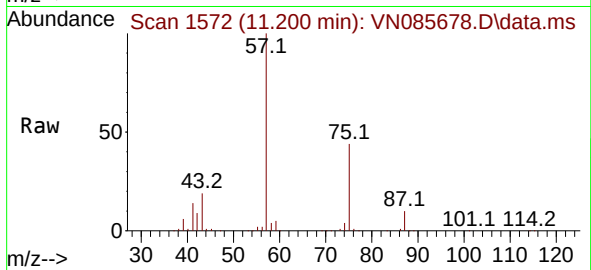




#59
2-Hexanone
Concen: 38.199 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

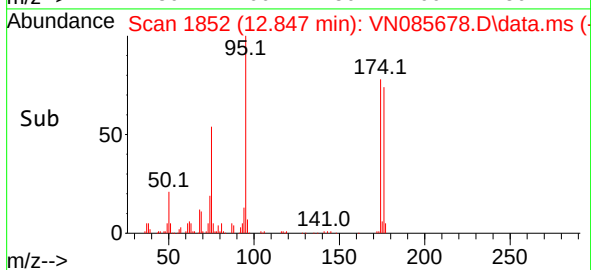
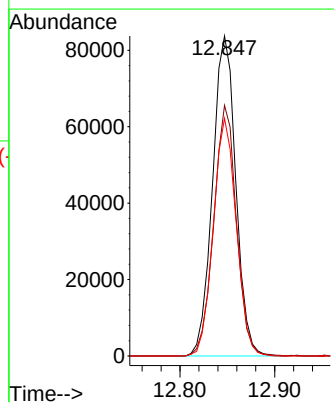
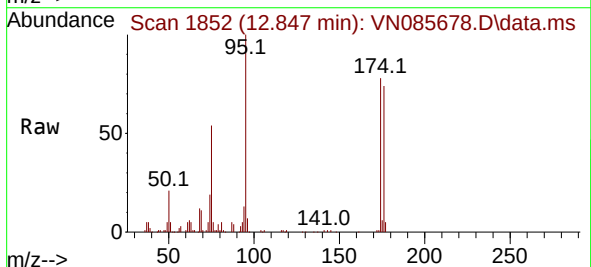
Instrument :
MSVOA_N
ClientSampleId :

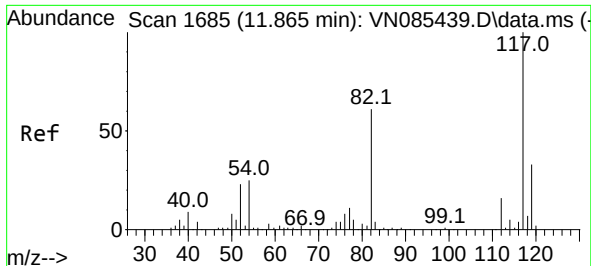
Tgt Ion: 43 Resp: 92262
Ion Ratio Lower Upper
43 100
58 21.5 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.942 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 95 Resp: 142347
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.0
176 73.6 0.0 142.4

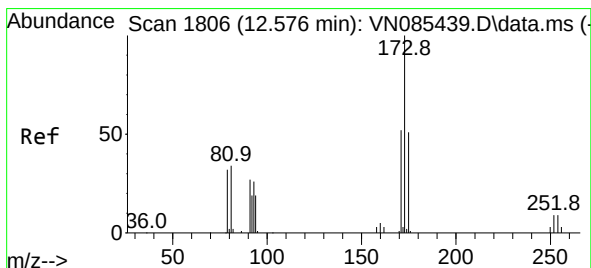
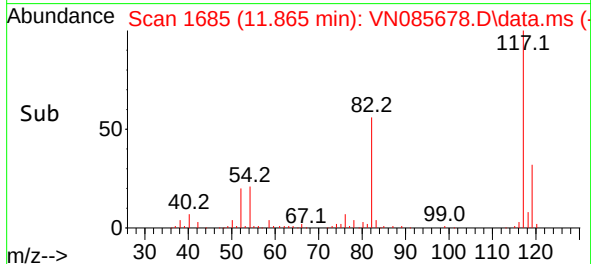
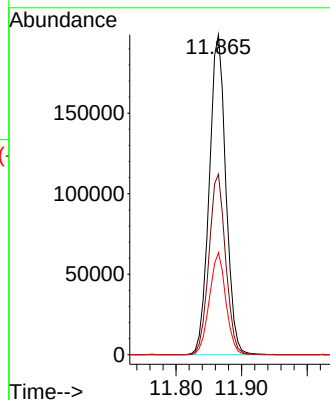
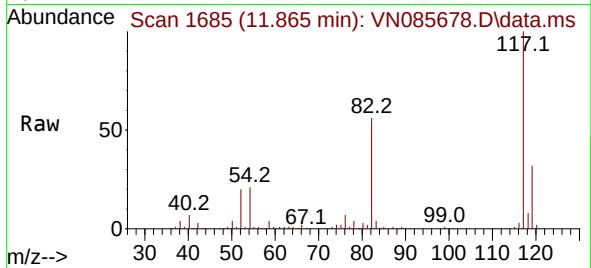




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

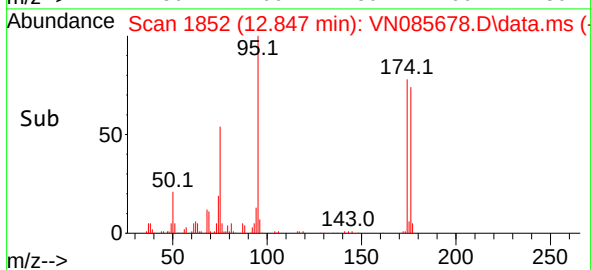
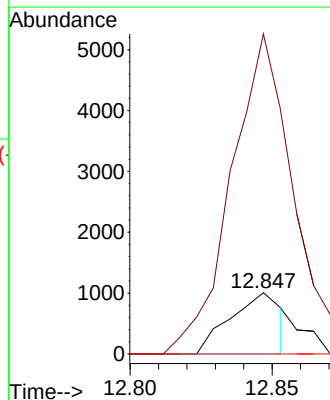
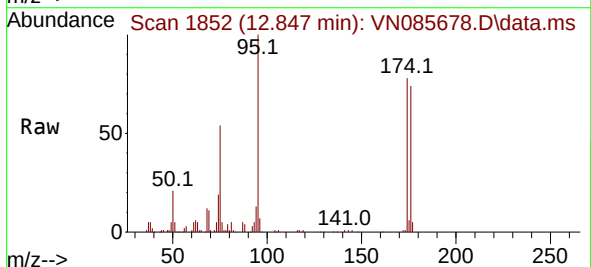
Instrument :
MSVOA_N
ClientSampleId :

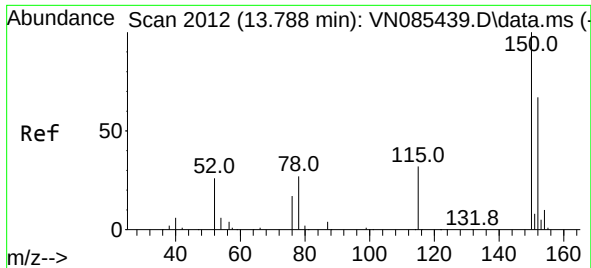
Tgt Ion:117 Resp: 349588
Ion Ratio Lower Upper
117 100
82 56.4 48.6 72.8
119 31.9 26.6 39.8



#71
Bromoform
Concen: 0.624 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion:173 Resp: 1254
Ion Ratio Lower Upper
173 100
175 514.0 24.4 73.2#
254 0.0 0.0 0.0

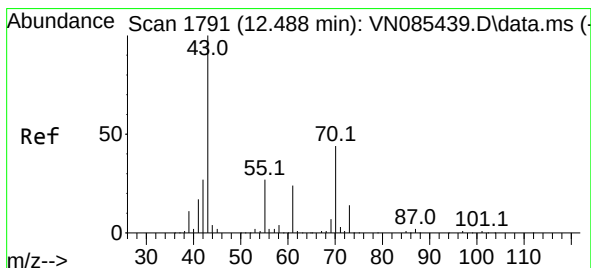
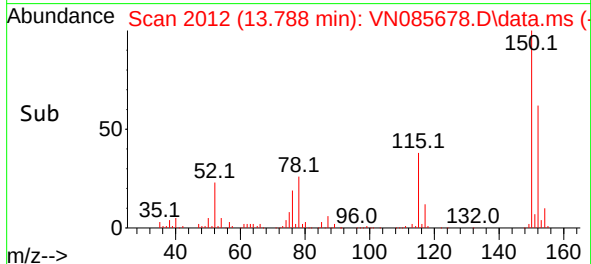
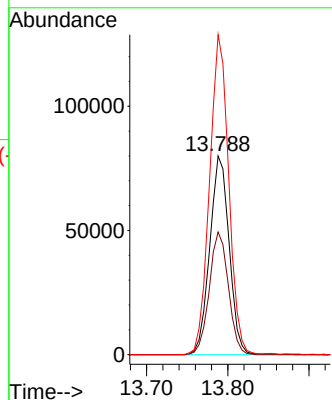
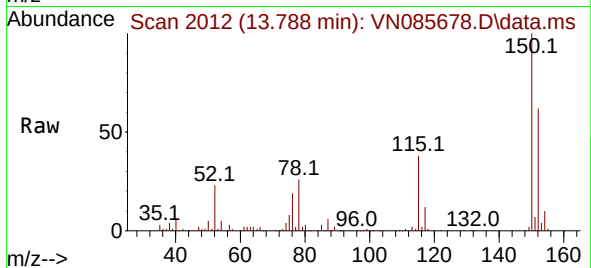




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

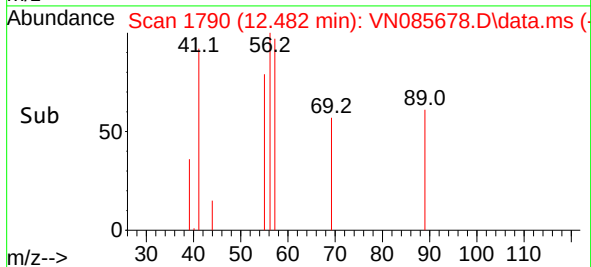
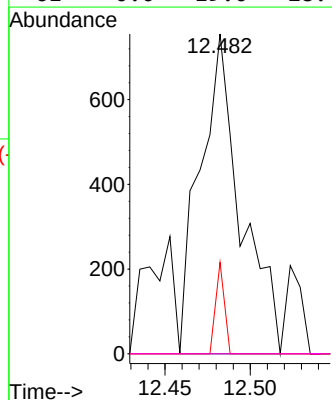
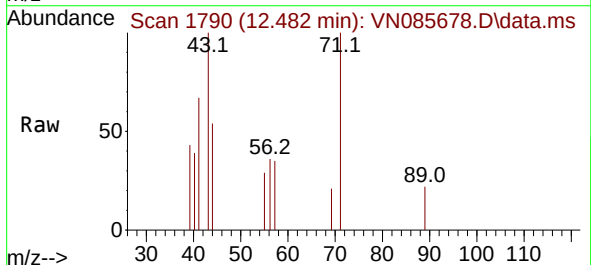
Instrument :
MSVOA_N
ClientSampleId :

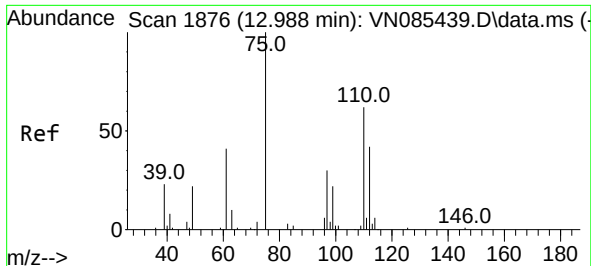
Tgt Ion:152 Resp: 132779
Ion Ratio Lower Upper
152 100
115 60.7 31.1 93.3
150 158.4 0.0 343.6



#74
N-ethyl acetate
Concen: 0.313 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 6.0 21.4 32.2#
61 0.0 19.0 28.4#

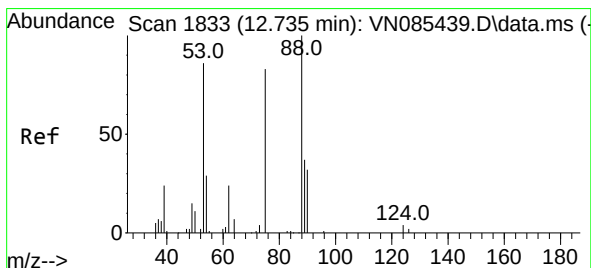
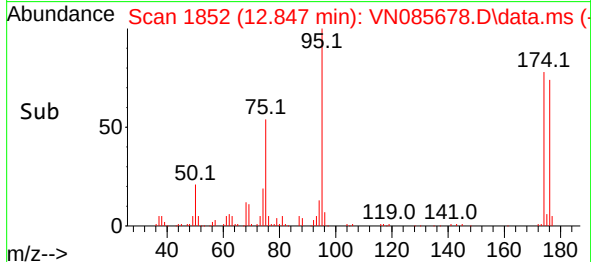
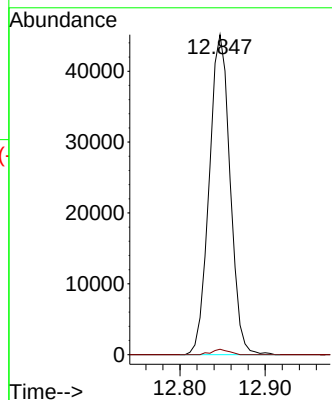
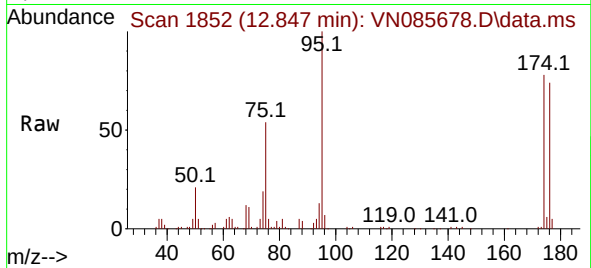




#76
1,2,3-Trichloropropane
Concen: 28.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

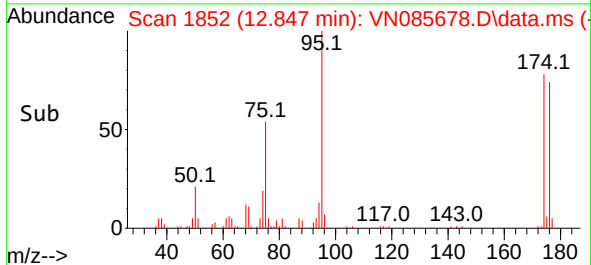
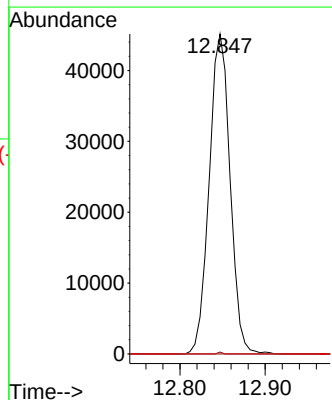
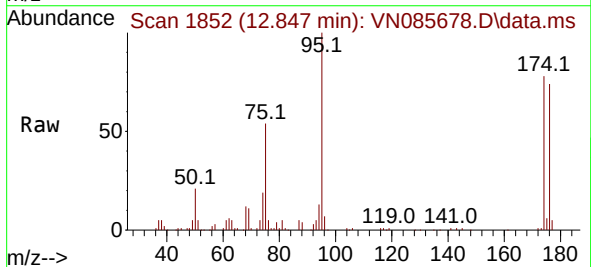
Instrument :
MSVOA_N
ClientSampleId :

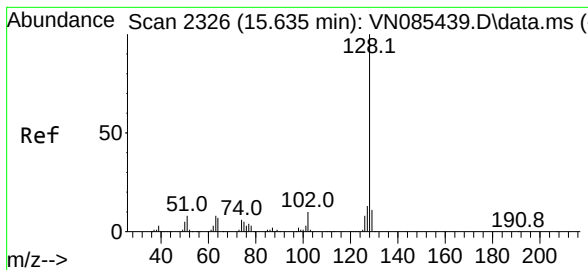
Tgt Ion: 75 Resp: 76885
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.079 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

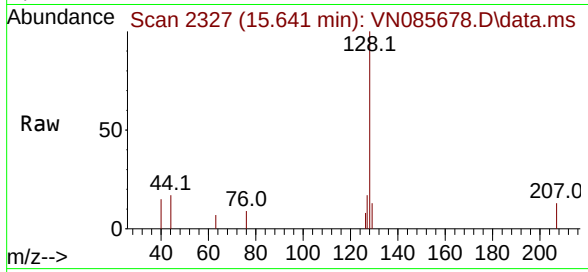
Tgt Ion: 75 Resp: 76885
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.763 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085678.D
Acq: 05 Feb 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	6.5	8.8	13.2#

