

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085569.D
 Acq On : 29 Jan 2025 19:54
 Operator : JC\MD
 Sample : PB166319ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:41:57 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

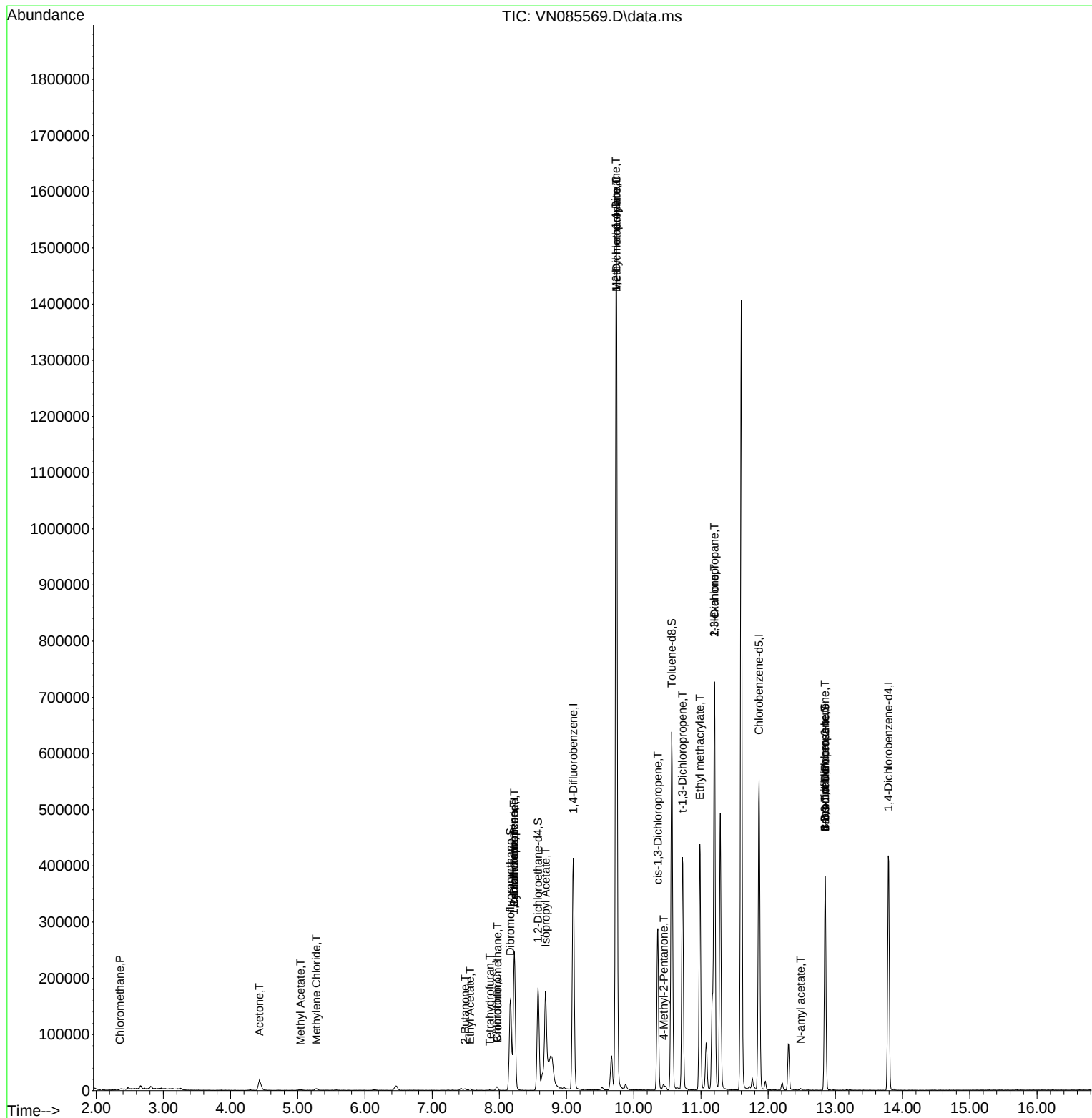
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	304197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	152396	58.135	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.260%	
35) Dibromofluoromethane	8.165	113	113733	50.044	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.080%	
50) Toluene-d8	10.565	98	419396	51.940	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.847	95	122872	44.484	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.960%	
Target Compounds						Qvalue
3) Chloromethane	2.353	50	517	0.217	ug/l #	63
16) Acetone	4.430	43	34662	40.923	ug/l	99
18) Methyl Acetate	5.041	43	2884	1.120	ug/l #	69
20) Methylene Chloride	5.277	84	2146	1.023	ug/l	94
25) 2-Butanone	7.488	43	5055	4.056	ug/l	96
28) Bromochloromethane	7.971	49	403	0.226	ug/l #	18
29) Tetrahydrofuran	7.859	42	543	0.687	ug/l #	57
30) Chloroform	7.965	83	6178	1.562	ug/l	94
31) Cyclohexane	8.224	56	4746	1.427	ug/l #	12
36) 1,1-Dichloropropene	8.218	75	15609	4.894	ug/l #	51
37) Ethyl Acetate	7.565	43	4319	1.342	ug/l #	82
38) Carbon Tetrachloride	8.224	117	18876	5.169	ug/l #	16
43) Isopropyl Acetate	8.688	43	235143	45.582	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1732	0.708	ug/l #	43
48) Methyl methacrylate	9.741	41	149984	64.606	ug/l #	46
49) 1,4-Dioxane	9.735	88	244	6.241	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11882	3.969	ug/l #	68
53) t-1,3-Dichloropropene	10.723	75	972	0.286	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	46741	12.867	ug/l #	70
56) Ethyl methacrylate	10.982	69	2378	2.549	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6982	1.827	ug/l #	44
59) 2-Hexanone	11.200	43	90309	42.875	ug/l #	57
71) Bromoform	12.847	173	1000	0.571	ug/l #	1
74) N-amyl acetate	12.482	43	1817	0.557	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	69411	31.734	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69411	85.859	ug/l #	3

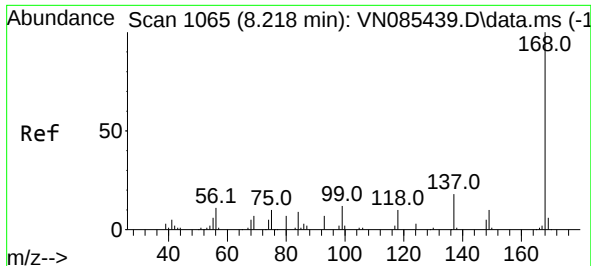
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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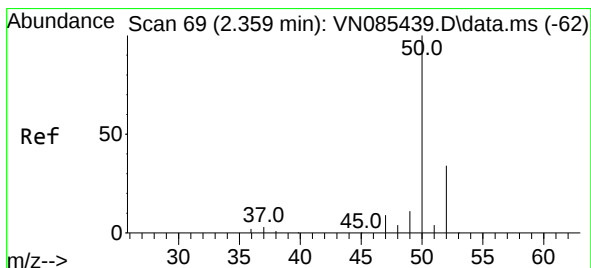
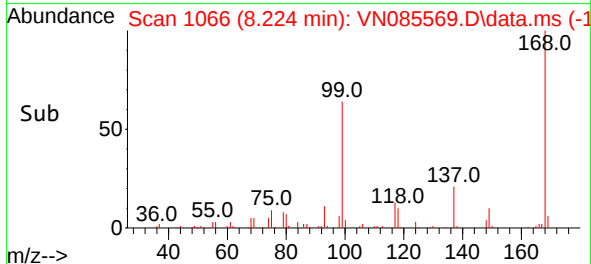
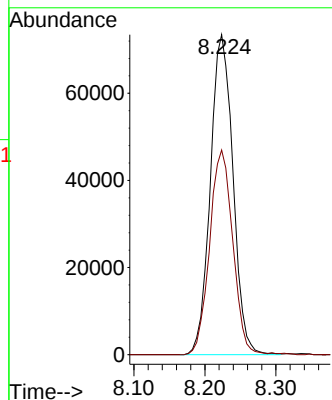
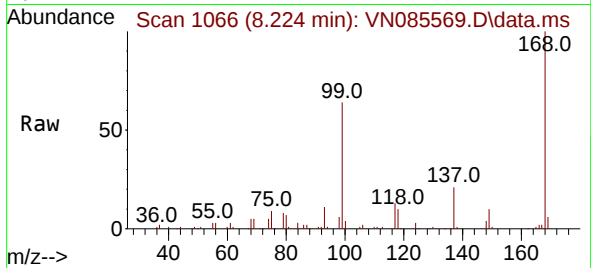




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

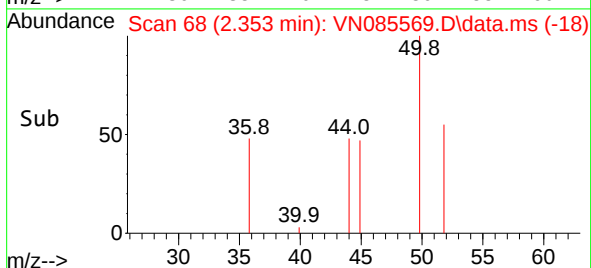
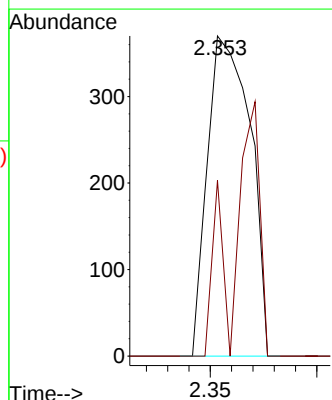
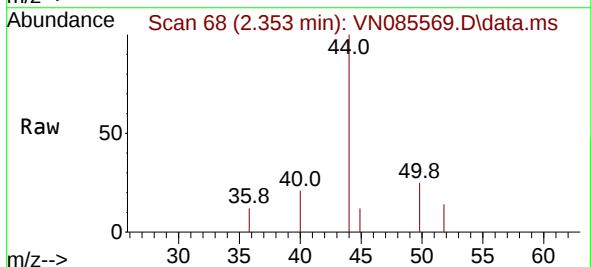
Instrument :
MSVOA_N
ClientSampleId :

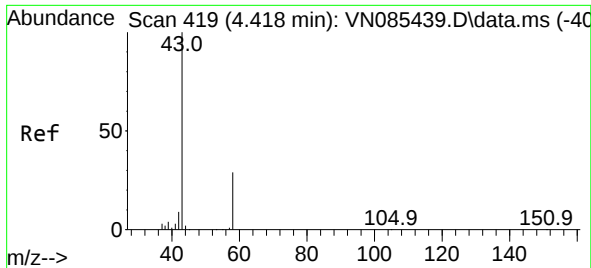
Tgt Ion:168 Resp: 162397
Ion Ratio Lower Upper
168 100
99 64.0 53.6 80.4



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 54.9 27.0 40.6#





#16

Acetone

Concen: 40.923 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

Instrument :

MSVOA_N

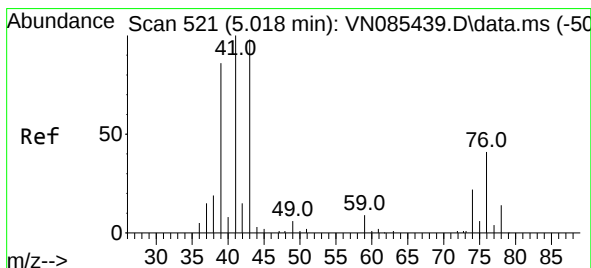
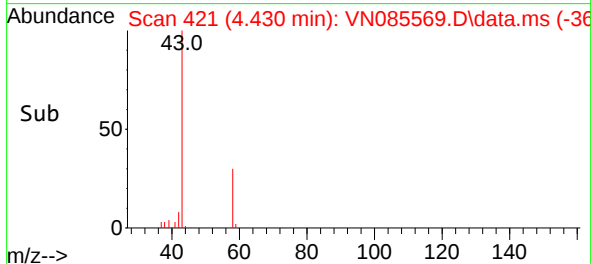
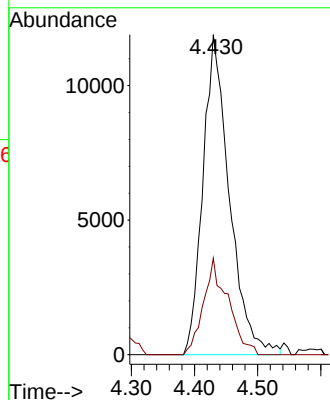
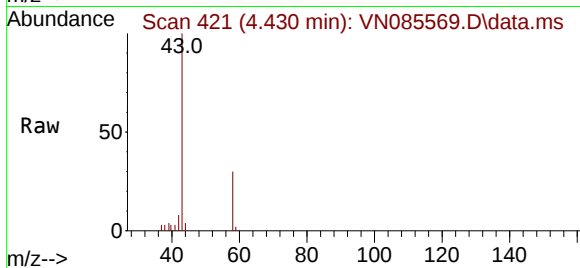
ClientSampleId :

Tgt Ion: 43 Resp: 34662

Ion Ratio Lower Upper

43 100

58 30.2 23.8 35.6



#18

Methyl Acetate

Concen: 1.120 ug/l

RT: 5.041 min Scan# 525

Delta R.T. 0.023 min

Lab File: VN085569.D

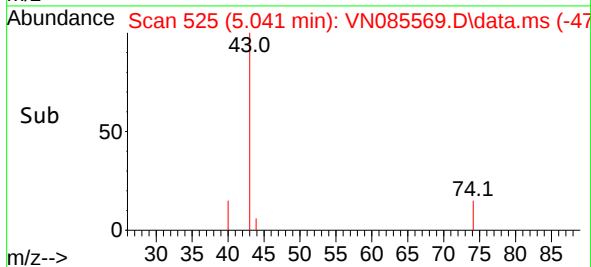
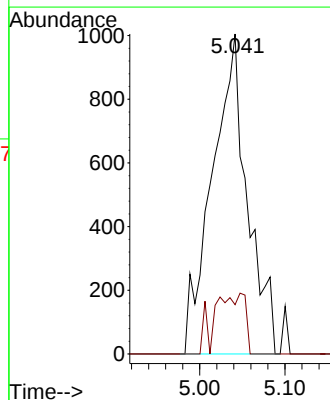
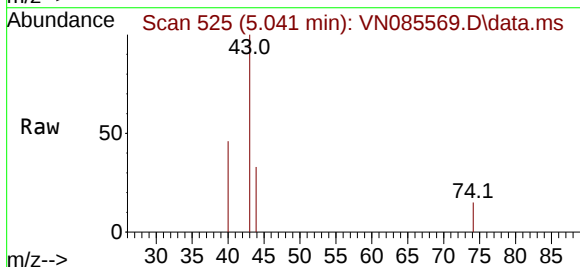
Acq: 29 Jan 2025 19:54

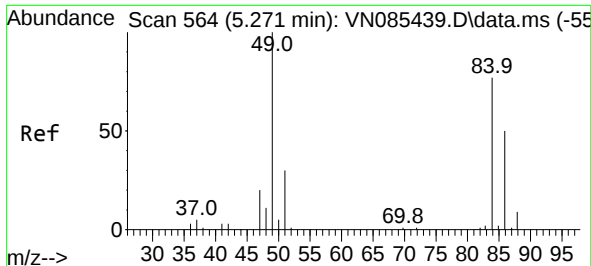
Tgt Ion: 43 Resp: 2884

Ion Ratio Lower Upper

43 100

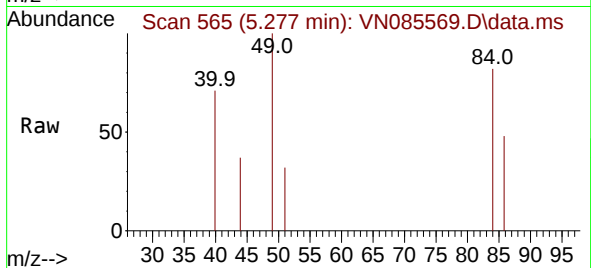
74 8.1 18.6 28.0#



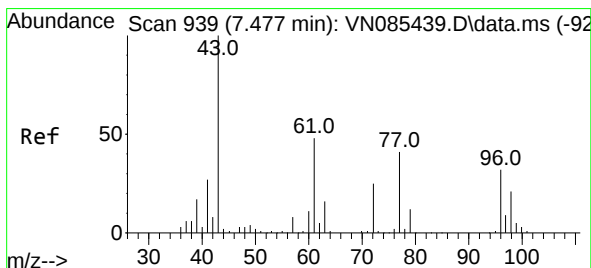
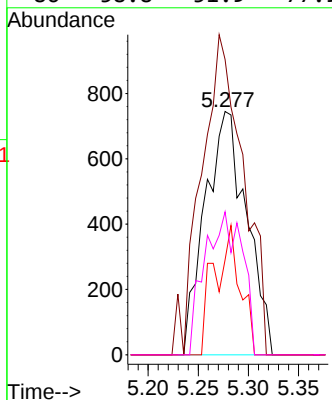
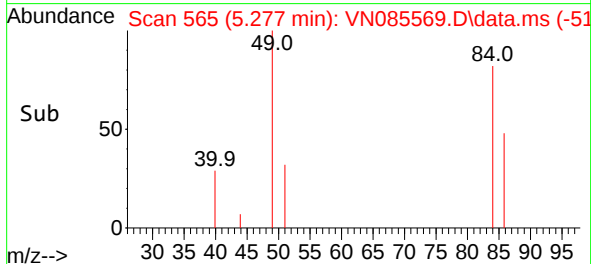


#20
Methylene Chloride
Concen: 1.023 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :

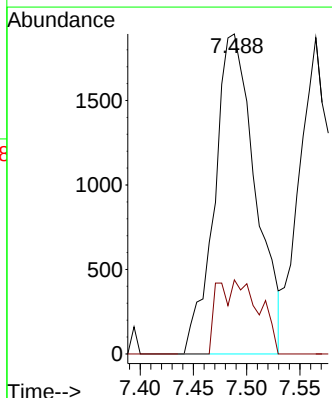
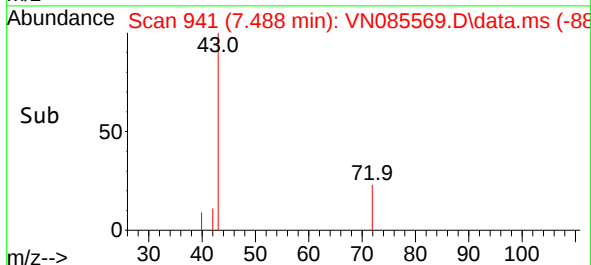
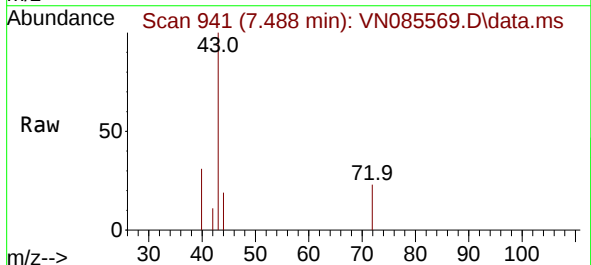


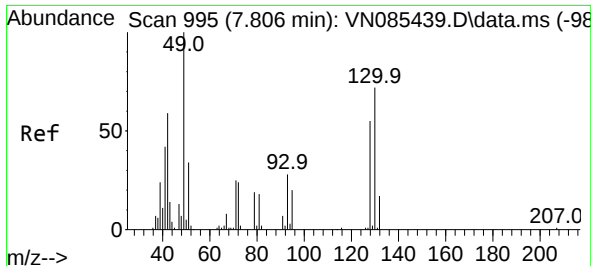
Tgt Ion:	84	Resp:	2146
Ion	Ratio	Lower	Upper
84	100		
49	121.3	104.1	156.1
51	39.1	31.0	46.4
86	58.8	51.9	77.9



#25
2-Butanone
Concen: 4.056 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

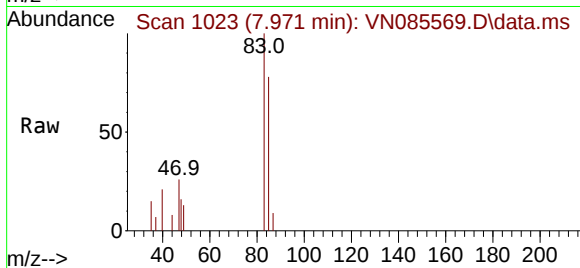
Tgt Ion:	43	Resp:	5055
Ion	Ratio	Lower	Upper
43	100		
72	23.1	20.2	30.4



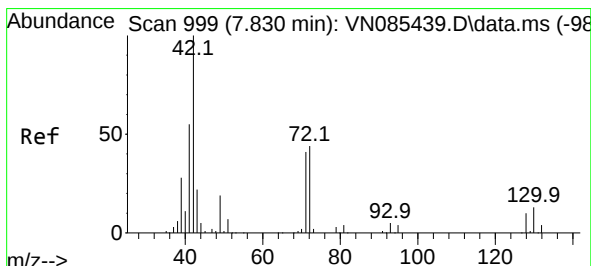
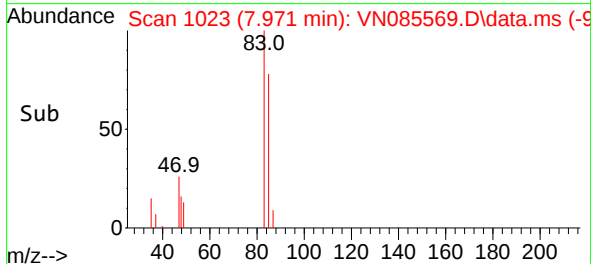
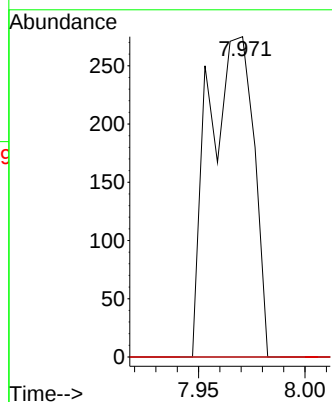


#28
Bromochloromethane
Concen: 0.226 ug/l
RT: 7.971 min Scan# 1003
Delta R.T. 0.165 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :

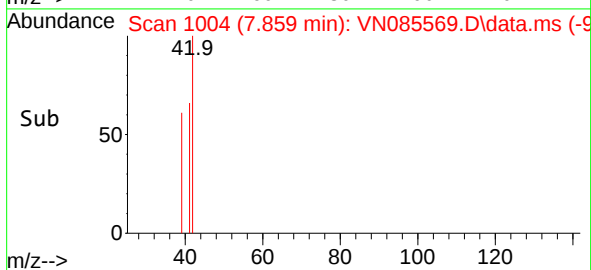
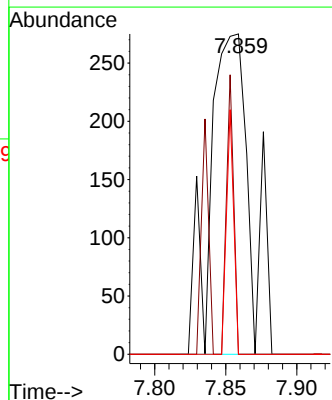
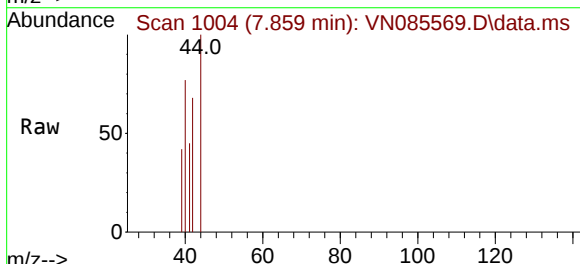


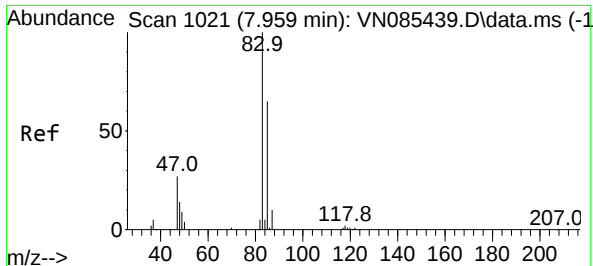
Tgt Ion: 49 Resp: 403
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#



#29
Tetrahydrofuran
Concen: 0.687 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.029 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 42 Resp: 543
Ion Ratio Lower Upper
42 100
72 15.7 34.2 51.2#
71 13.6 32.5 48.7#

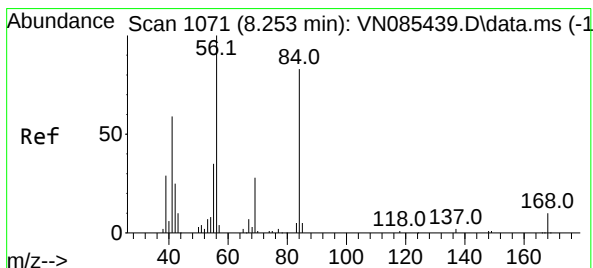
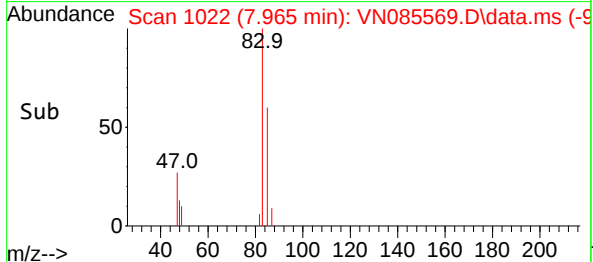
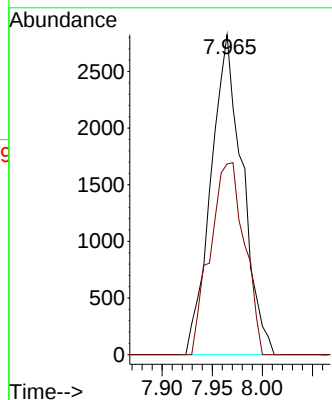
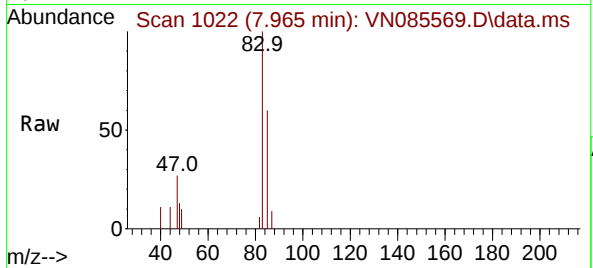




#30
Chloroform
Concen: 1.562 ug/l
RT: 7.965 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

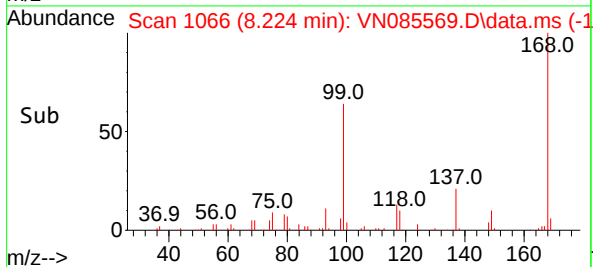
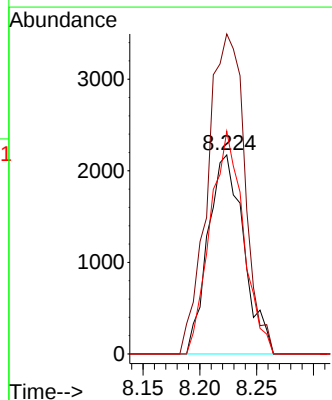
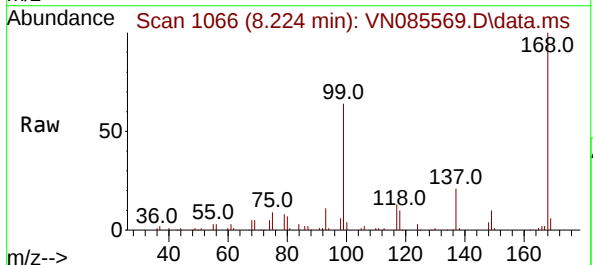
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MSVOA_N
ClientSampleId :

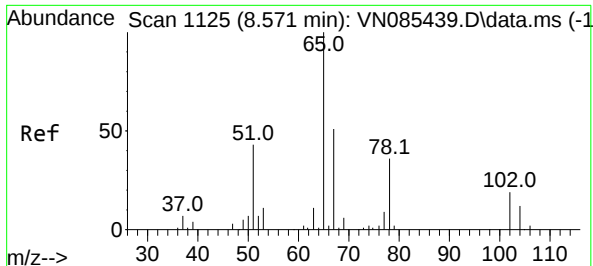
Tgt Ion: 83 Resp: 6178
Ion Ratio Lower Upper
83 100
85 59.6 51.8 77.6



#31
Cyclohexane
Concen: 1.427 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 56 Resp: 4746
Ion Ratio Lower Upper
56 100
69 160.8 22.2 33.4#
84 111.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.135 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

Instrument :

MSVOA_N

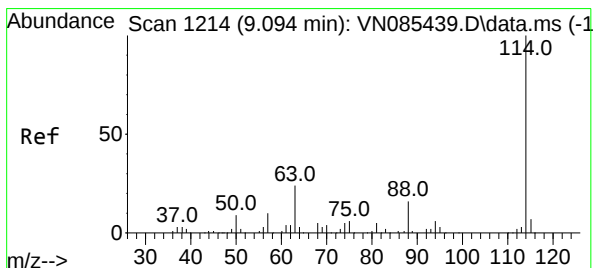
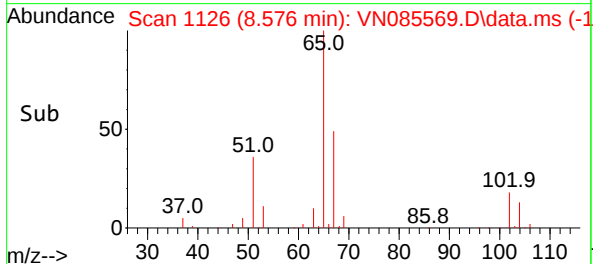
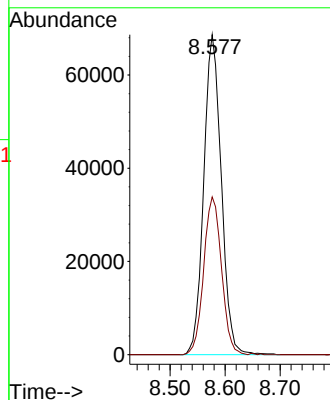
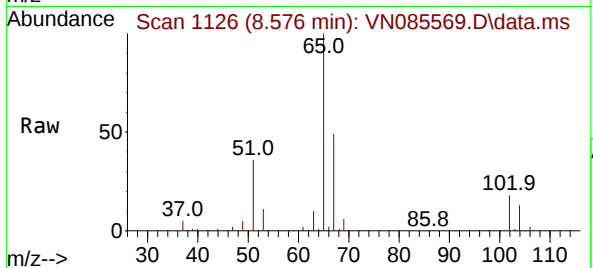
ClientSampleId :

Tgt Ion: 65 Resp: 152396

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

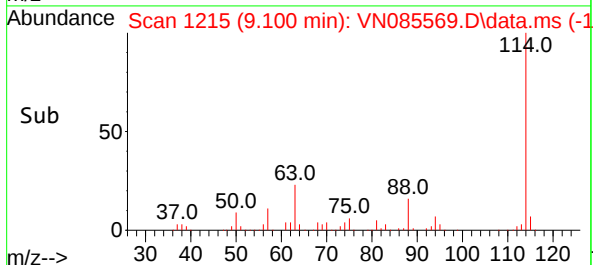
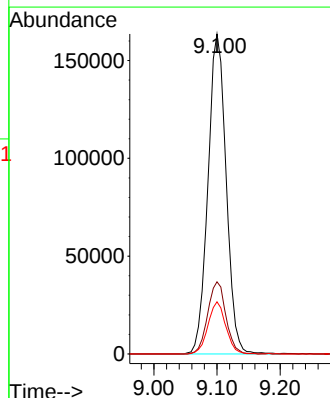
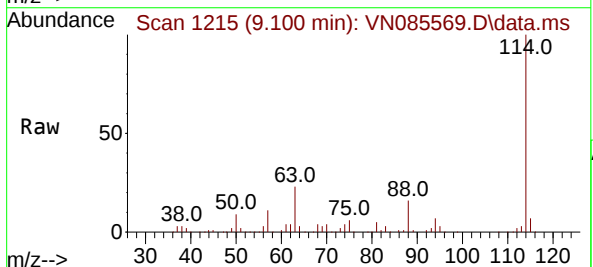
Tgt Ion: 114 Resp: 327586

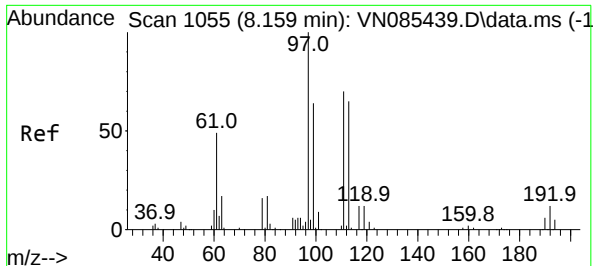
Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.6

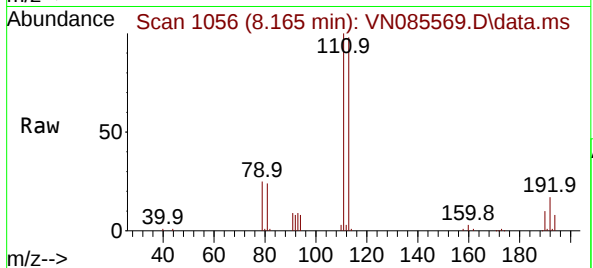
88 16.3 0.0 32.6



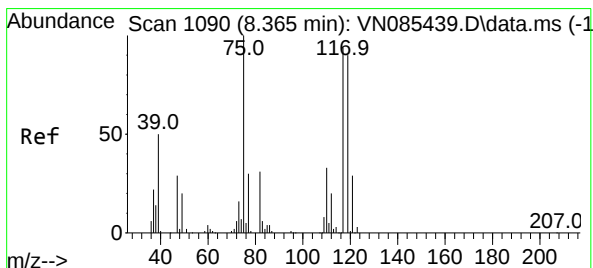
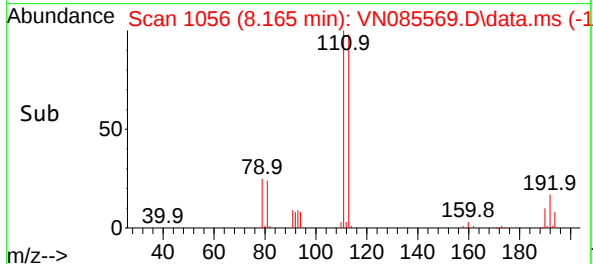
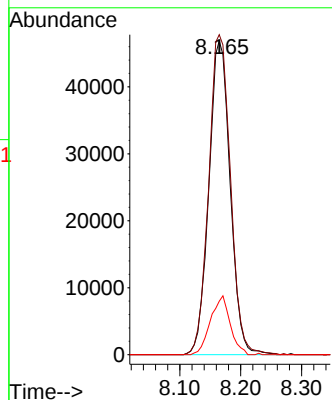


#35
Dibromofluoromethane
Concen: 50.044 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :

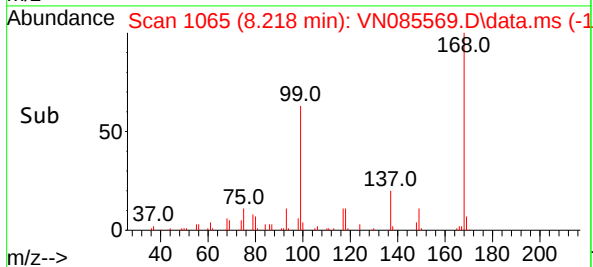
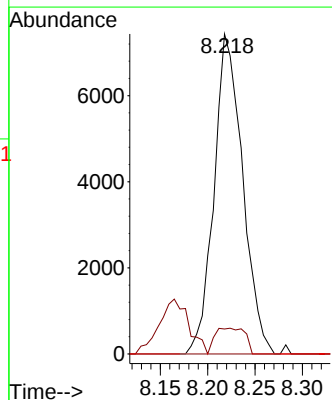
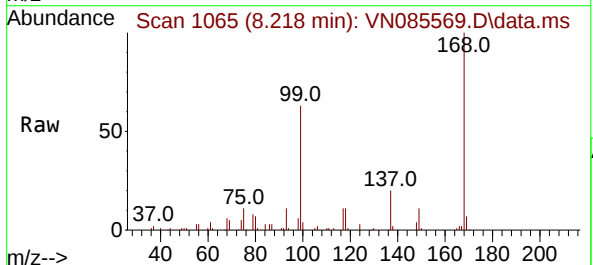


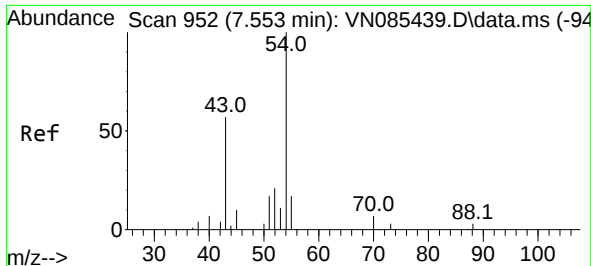
Tgt Ion:113 Resp: 113733
Ion Ratio Lower Upper
113 100
111 104.4 82.7 124.1
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.894 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 75 Resp: 15609
Ion Ratio Lower Upper
75 100
110 8.5 16.5 49.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.342 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

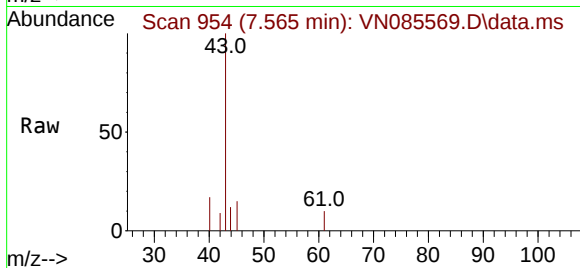
Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

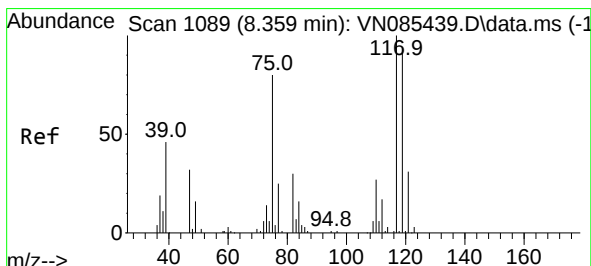
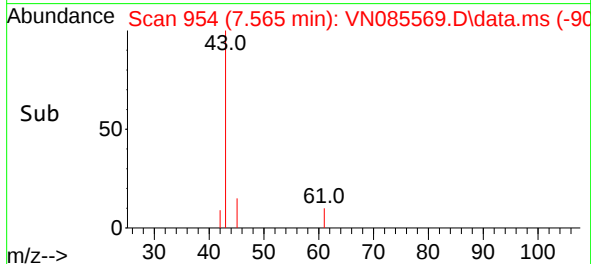
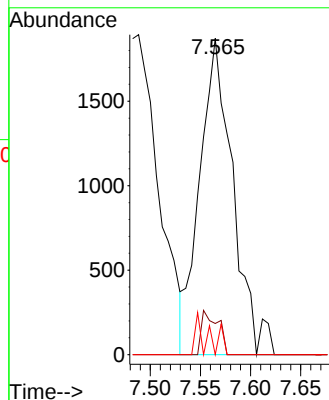
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4319
Ion	Ratio	Lower	Upper
43	100		
61	7.0	10.9	16.3#
70	2.0	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 5.169 ug/l

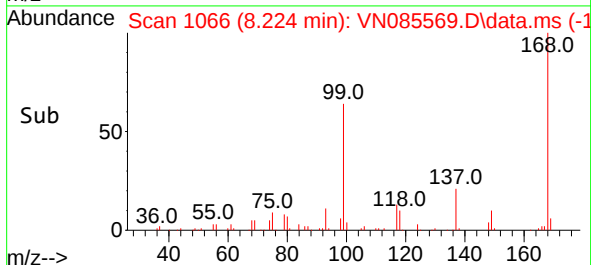
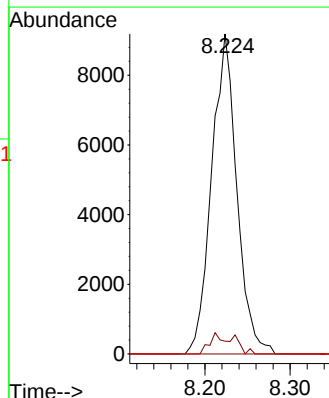
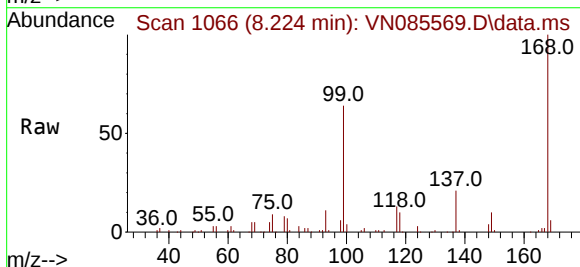
RT: 8.224 min Scan# 1066

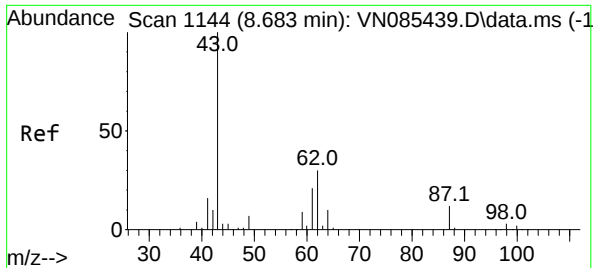
Delta R.T. -0.135 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

Tgt Ion:	117	Resp:	18876
Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.4	113.2#
121	0.0	24.6	37.0#

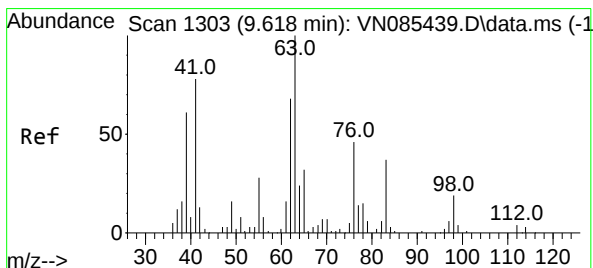
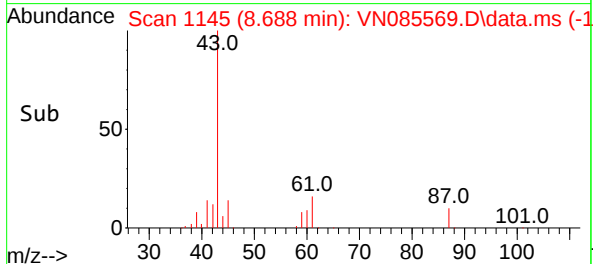
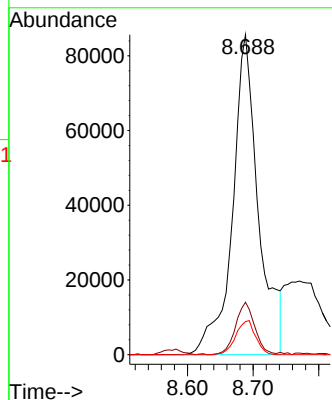
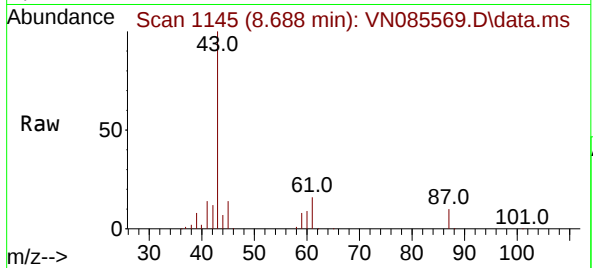




#43
Isopropyl Acetate
Concen: 45.582 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

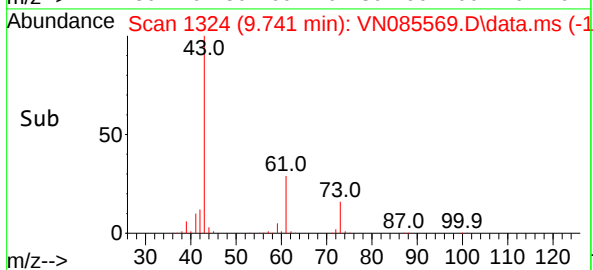
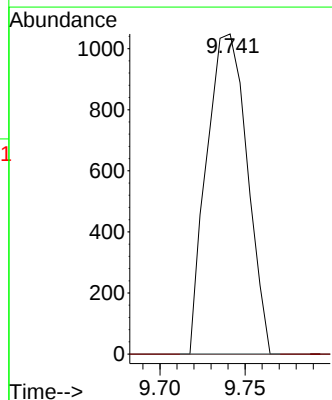
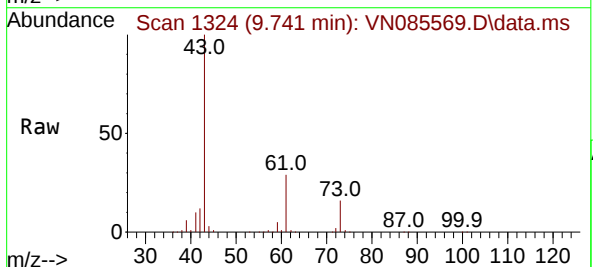
Instrument :
MSVOA_N
ClientSampleId :

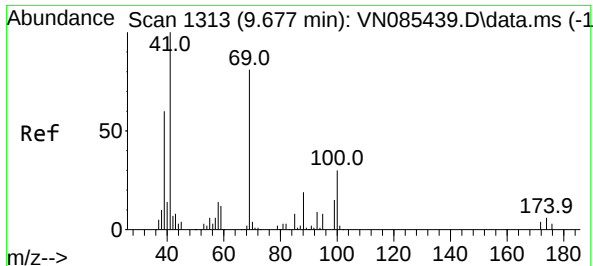
Tgt Ion: 43 Resp: 235143
Ion Ratio Lower Upper
43 100
61 12.2 20.7 31.1#
87 8.2 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.708 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 63 Resp: 1732
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 64.606 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.064 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

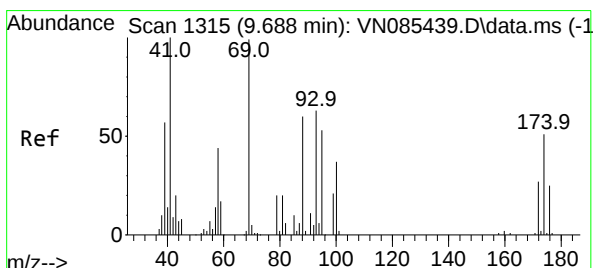
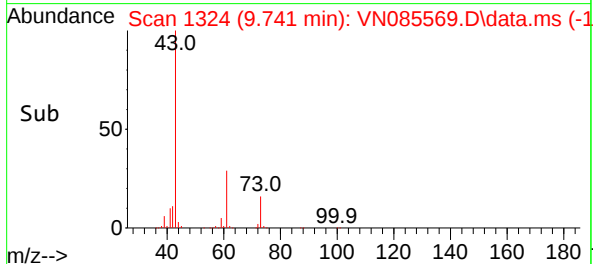
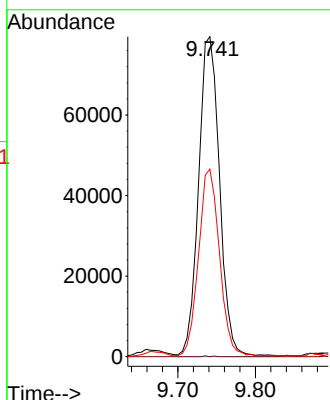
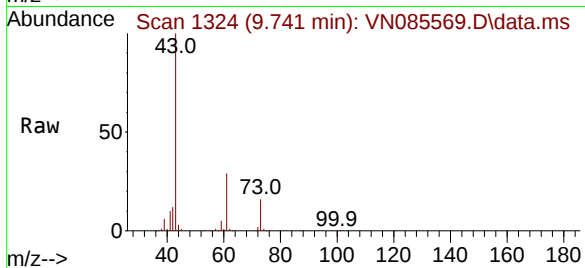
Tgt Ion: 41 Resp: 149984

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 58.0 49.0 73.6



#49

1,4-Dioxane

Concen: 6.241 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.047 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

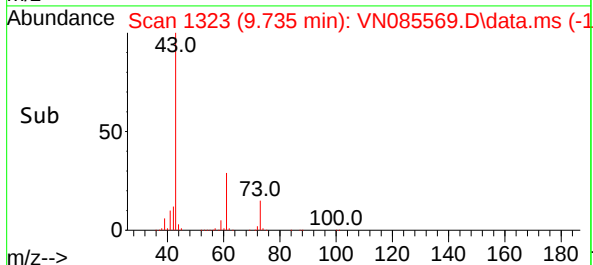
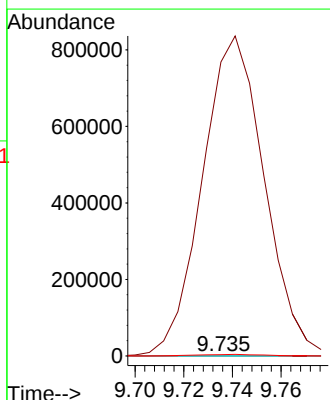
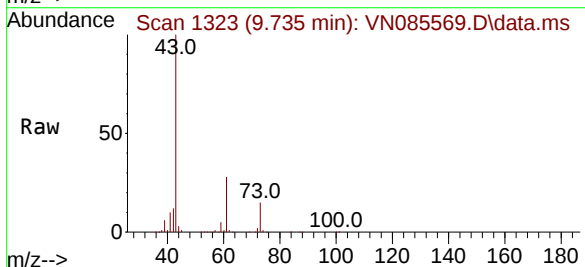
Tgt Ion: 88 Resp: 244

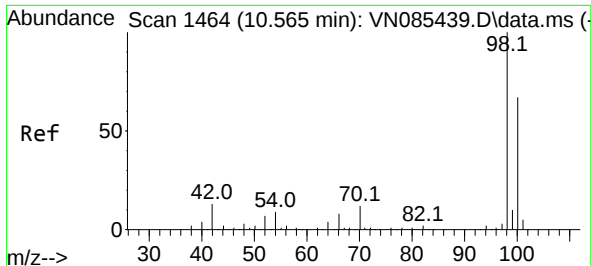
Ion Ratio Lower Upper

88 100

43 610198.8 26.6 39.8#

58 3250.4 59.5 89.3#

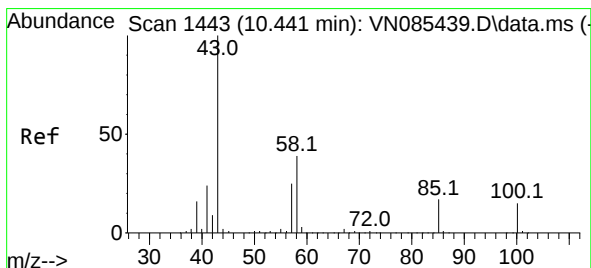
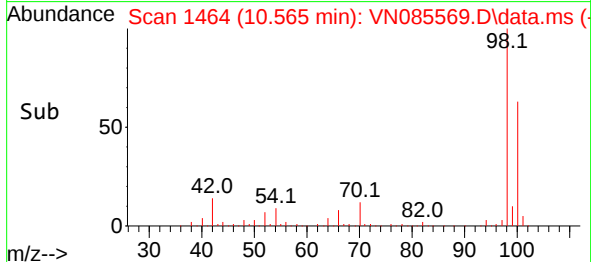
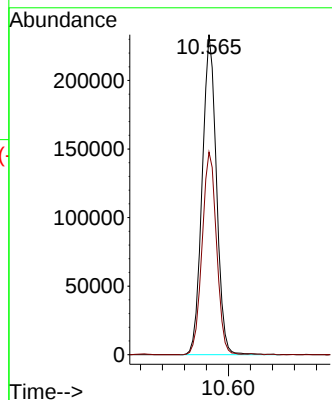
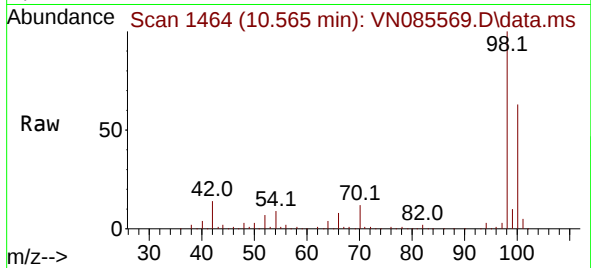




#50
Toluene-d8
Concen: 51.940 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

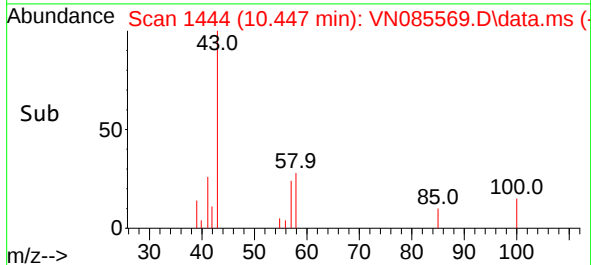
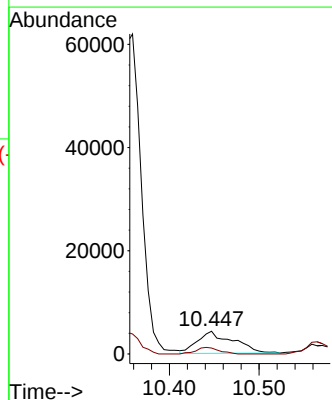
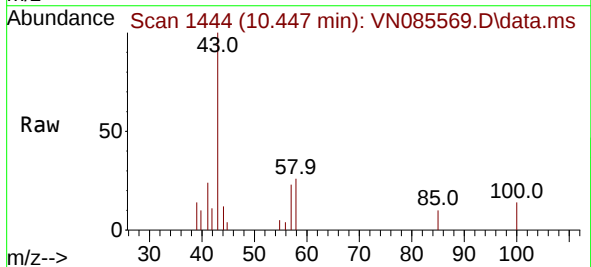
Instrument :
MSVOA_N
ClientSampleId :

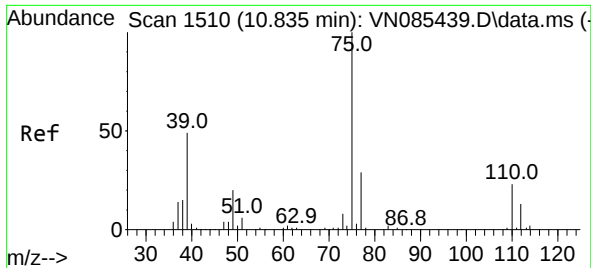
Tgt Ion: 98 Resp: 419396
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.969 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 43 Resp: 11882
Ion Ratio Lower Upper
43 100
58 19.0 30.5 45.7#

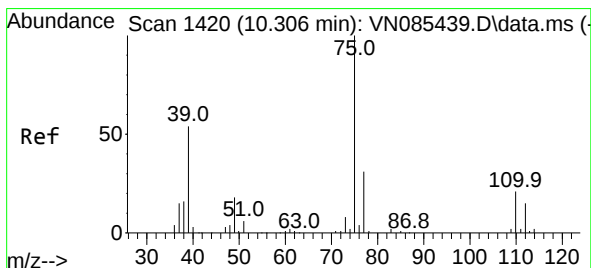
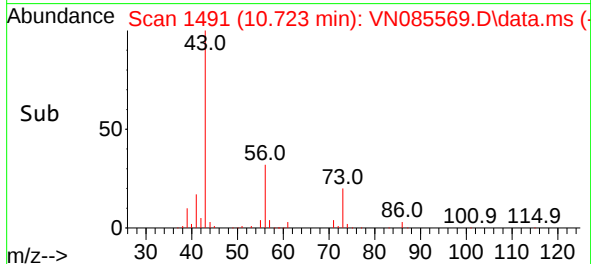
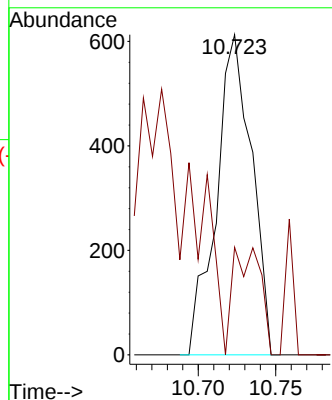
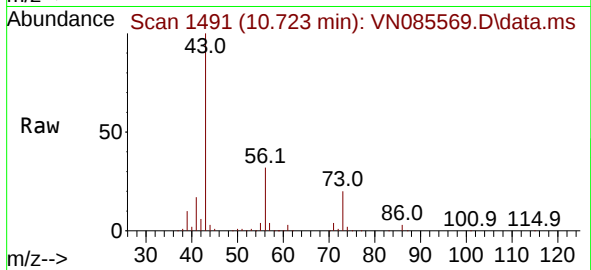




#53
 t-1,3-Dichloropropene
 Concen: 0.286 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085569.D
 Acq: 29 Jan 2025 19:54

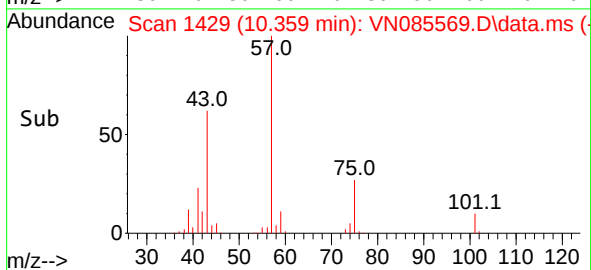
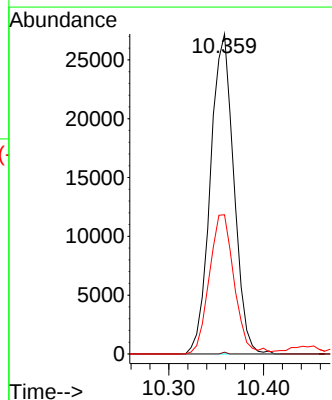
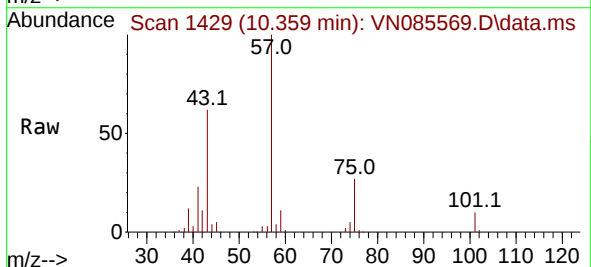
Instrument :
 MSVOA_N
 ClientSampleId :

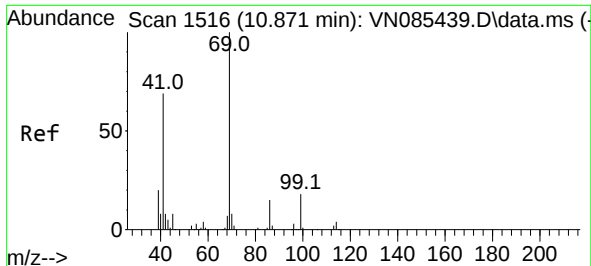
Tgt Ion: 75 Resp: 972
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.5 35.3



#54
 cis-1,3-Dichloropropene
 Concen: 12.867 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085569.D
 Acq: 29 Jan 2025 19:54

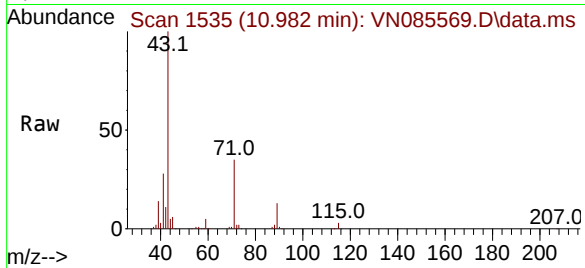
Tgt Ion: 75 Resp: 46741
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 43.5 43.1 64.7



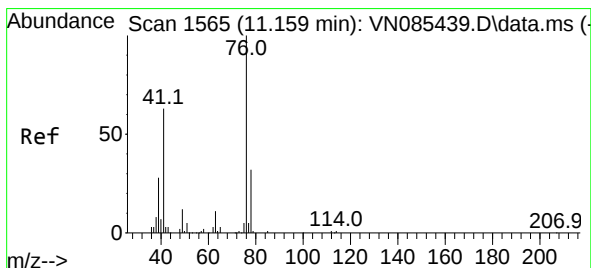
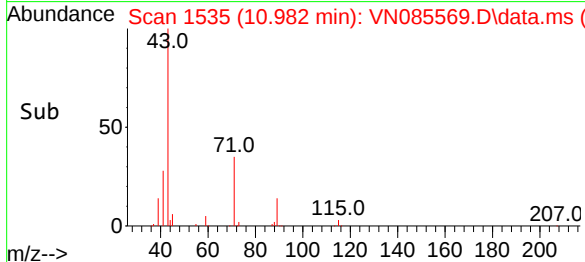
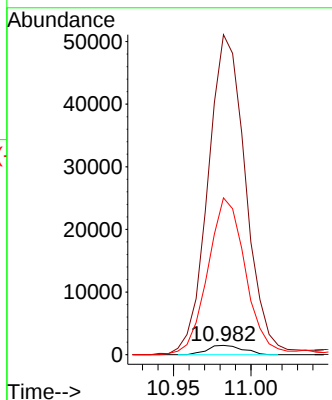


#56
Ethyl methacrylate
Concen: 2.549 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :

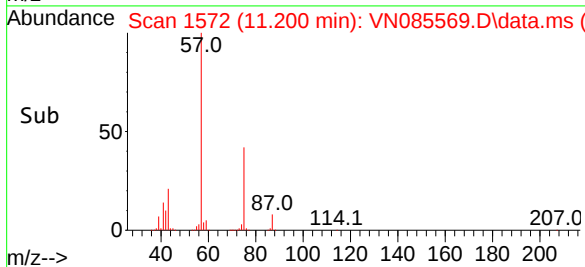
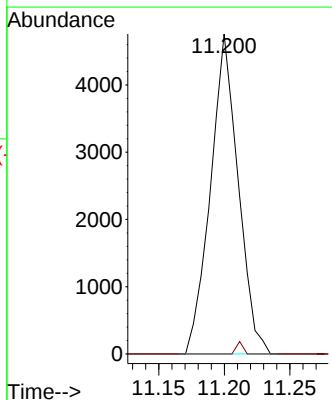
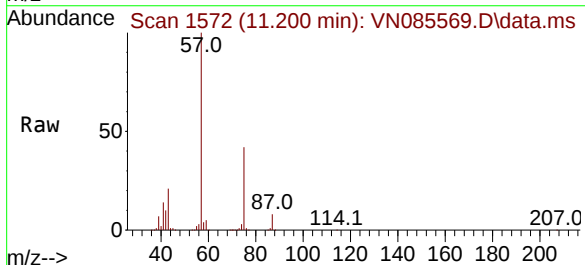


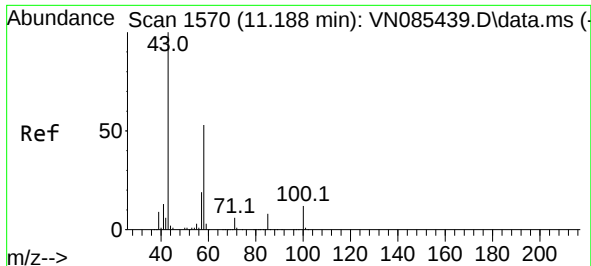
Tgt Ion: 69 Resp: 2378
Ion Ratio Lower Upper
69 100
41 3637.3 54.6 82.0#
39 1805.0 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.827 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 76 Resp: 6982
Ion Ratio Lower Upper
76 100
78 0.9 25.6 38.4#

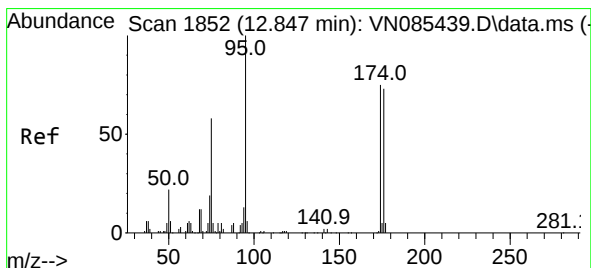
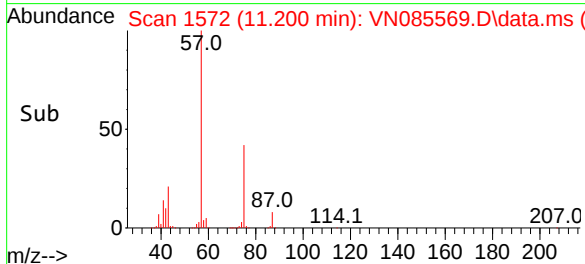
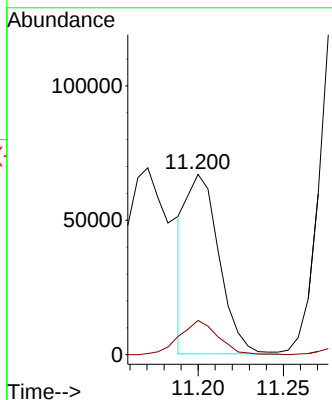
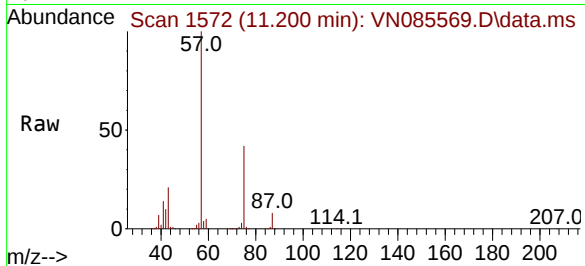




#59
2-Hexanone
Concen: 42.875 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

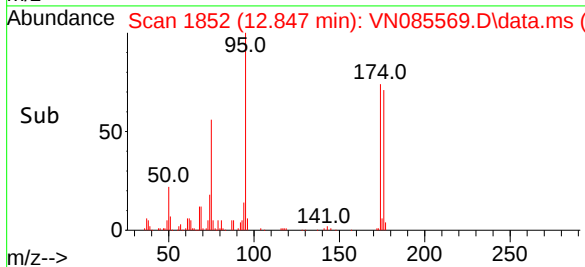
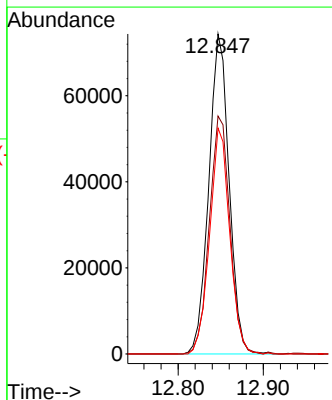
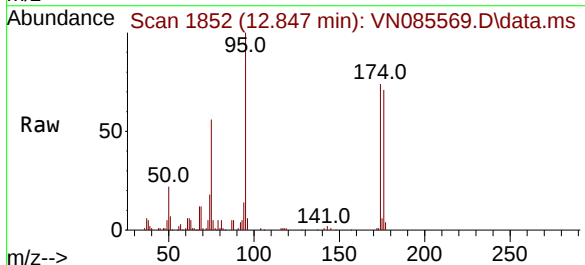
Instrument :
MSVOA_N
ClientSampleId :

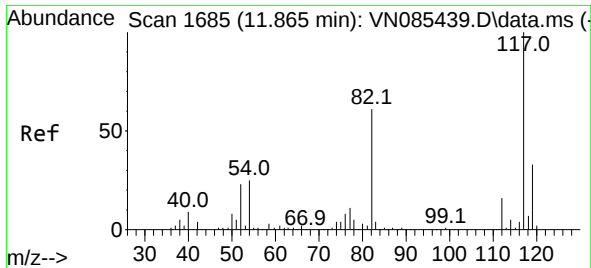
Tgt Ion: 43 Resp: 90309
Ion Ratio Lower Upper
43 100
58 22.1 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.484 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

Tgt Ion: 95 Resp: 122872
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.0
176 69.8 0.0 142.4

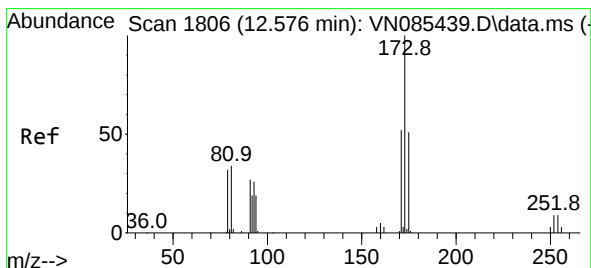
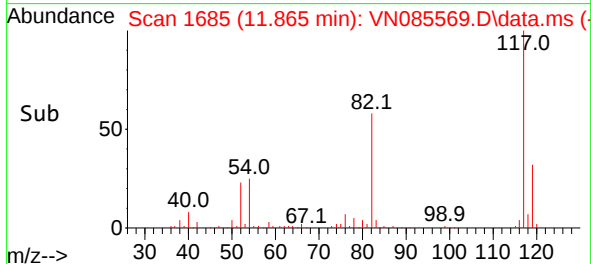
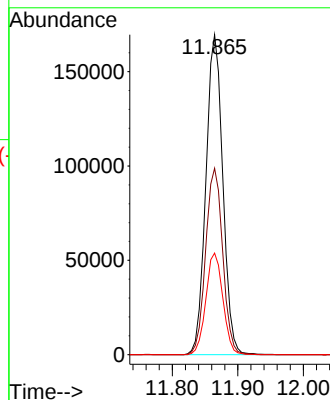
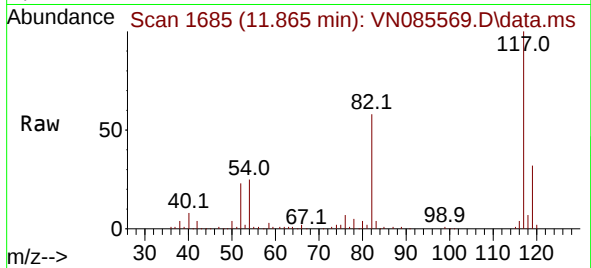




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

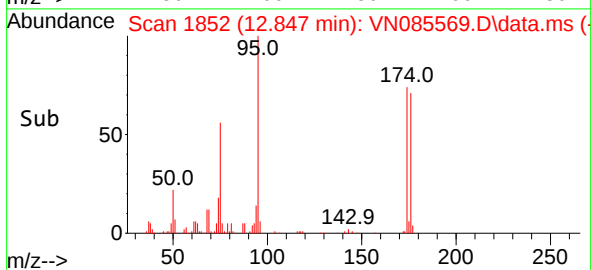
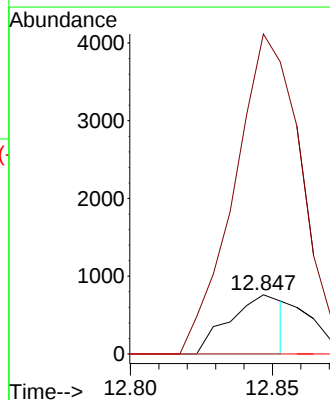
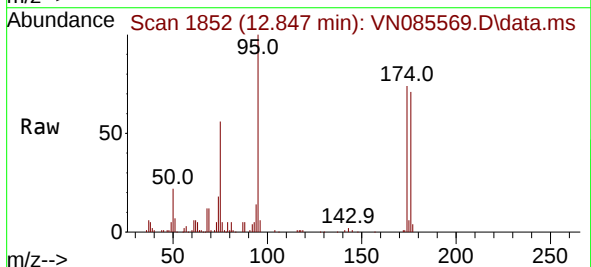
Instrument :
MSVOA_N
ClientSampleId :

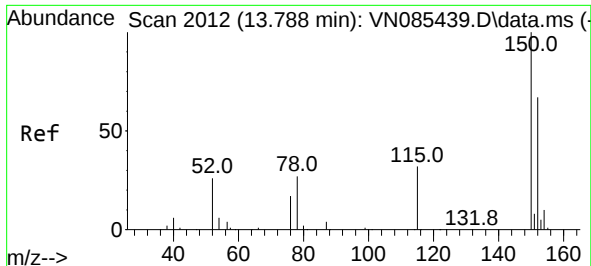
Tgt Ion:117 Resp: 304197
Ion Ratio Lower Upper
117 100
82 58.2 48.6 72.8
119 31.7 26.6 39.8



#71
Bromoform
Concen: 0.571 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085569.D
Acq: 29 Jan 2025 19:54

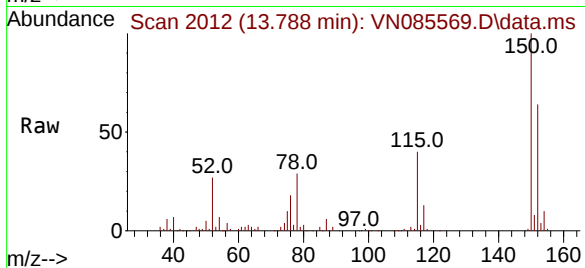
Tgt Ion:173 Resp: 1000
Ion Ratio Lower Upper
173 100
175 504.6 24.4 73.2#
254 0.0 0.0 0.0



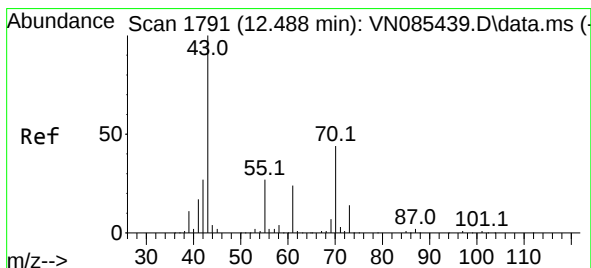
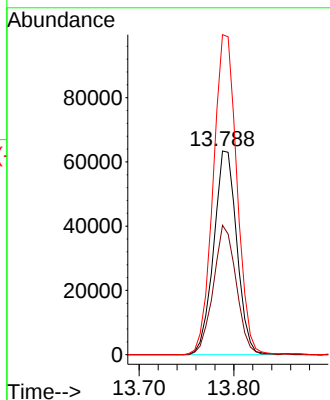
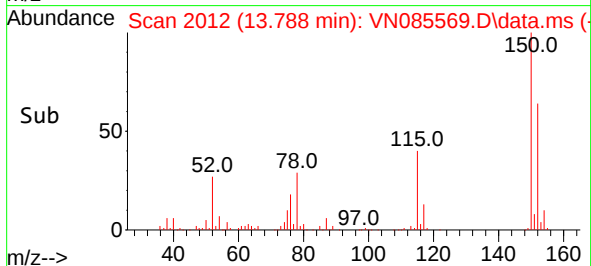


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085569.D
 Acq: 29 Jan 2025 19:54

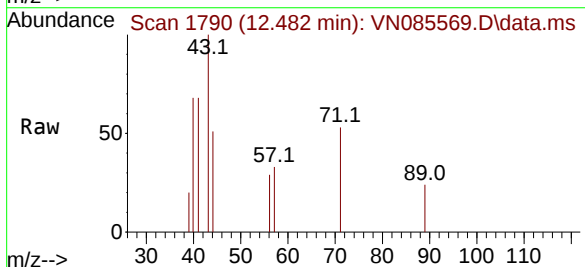
Instrument :
 MSVOA_N
 ClientSampleId :



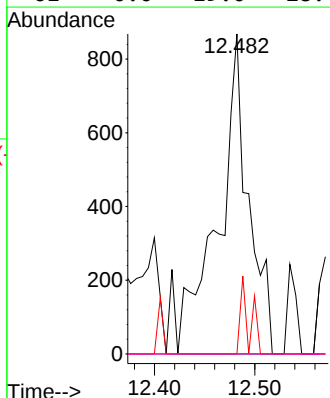
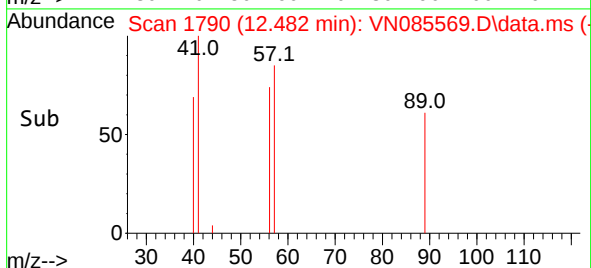
Tgt Ion:152 Resp: 107613
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.1 93.3
 150 161.0 0.0 343.6

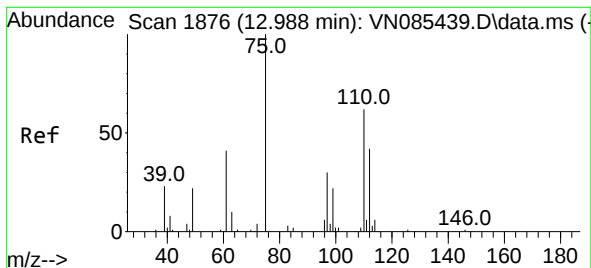


#74
 N-ethyl acetate
 Concen: 0.557 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085569.D
 Acq: 29 Jan 2025 19:54



Tgt Ion: 43 Resp: 1817
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 7.2 21.4 32.2#
 61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 31.734 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

Instrument :

MSVOA_N

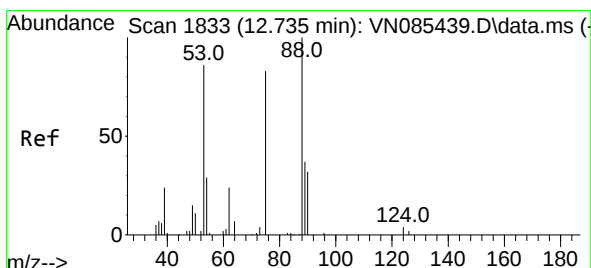
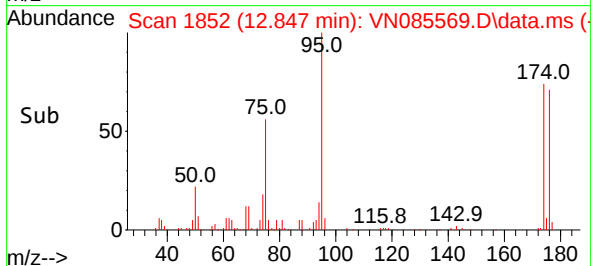
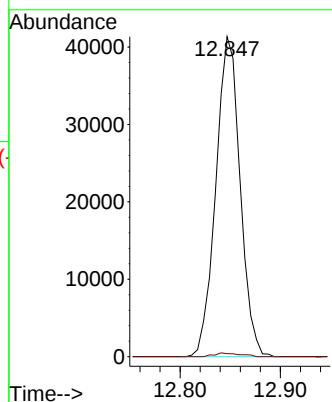
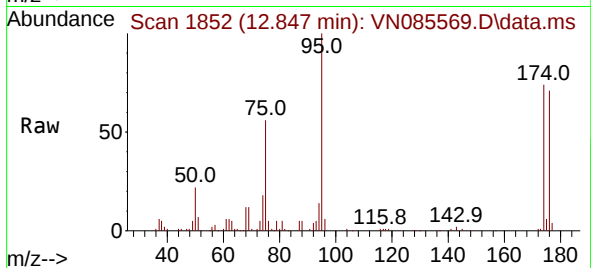
ClientSampleId :

Tgt Ion: 75 Resp: 69411

Ion Ratio Lower Upper

75 100

77 1.2 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.859 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085569.D

Acq: 29 Jan 2025 19:54

Tgt Ion: 75 Resp: 69411

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 37.0 55.6#

