

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085613.D
 Acq On : 31 Jan 2025 19:41
 Operator : JC\MD
 Sample : PB166357ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 22:34:47 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)

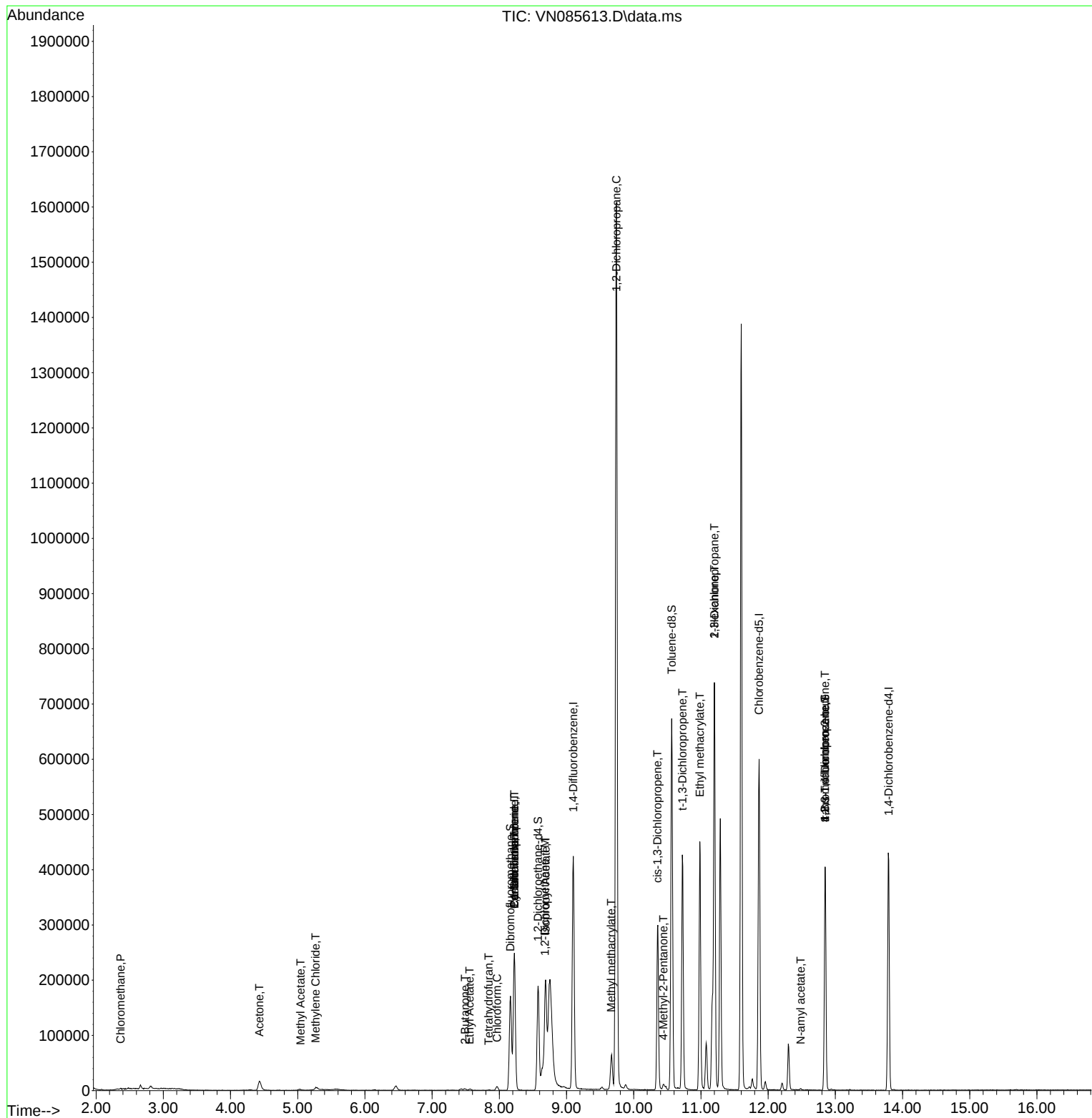
Internal Standards						
1) Pentafluorobenzene	8.224	168	165752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	344120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160166	59.862	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.720%			
35) Dibromofluoromethane	8.165	113	118851	49.784	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.560%			
50) Toluene-d8	10.565	98	444373	52.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.847	95	130963	45.136	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.280%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	490	0.202	ug/l #	41
16) Acetone	4.430	43	33178	38.378	ug/l	97
18) Methyl Acetate	5.042	43	3797	1.444	ug/l	93
20) Methylene Chloride	5.265	84	3322	1.552	ug/l #	78
25) 2-Butanone	7.489	43	5331	4.190	ug/l #	86
29) Tetrahydrofuran	7.841	42	704	0.873	ug/l #	34
30) Chloroform	7.965	83	6392	1.583	ug/l	99
31) Cyclohexane	8.224	56	4592	1.352	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	16671	4.976	ug/l #	50
37) Ethyl Acetate	7.559	43	3842	1.136	ug/l #	75
38) Carbon Tetrachloride	8.224	117	18321	4.776	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1249	0.329	ug/l #	76
43) Isopropyl Acetate	8.688	43	261992	48.346	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1941	0.755	ug/l #	43
48) Methyl methacrylate	9.665	41	4841	1.985	ug/l #	14
51) 4-Methyl-2-Pentanone	10.441	43	6004	1.909	ug/l	99
53) t-1,3-Dichloropropene	10.724	75	1118	0.313	ug/l #	66
54) cis-1,3-Dichloropropene	10.353	75	47814	12.530	ug/l #	69
56) Ethyl methacrylate	10.982	69	2423	2.530	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7319	1.823	ug/l #	43
59) 2-Hexanone	11.200	43	110189	49.800	ug/l #	52
74) N-amyl acetate	12.482	43	1215	0.357	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73341	32.208	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73341	87.140	ug/l #	3

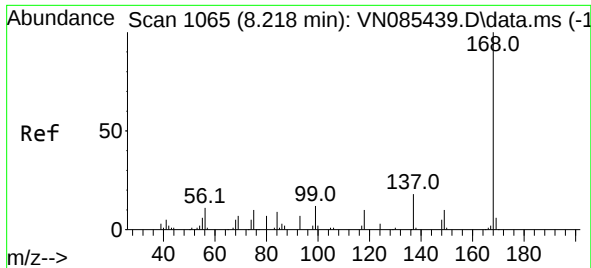
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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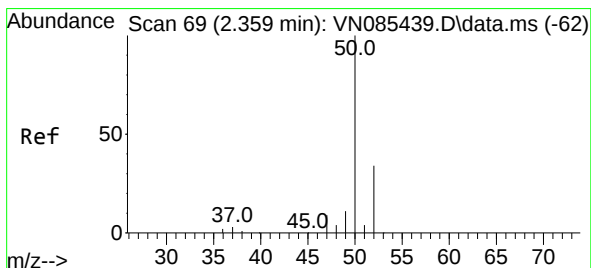
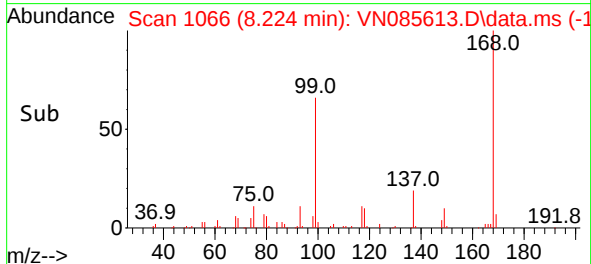
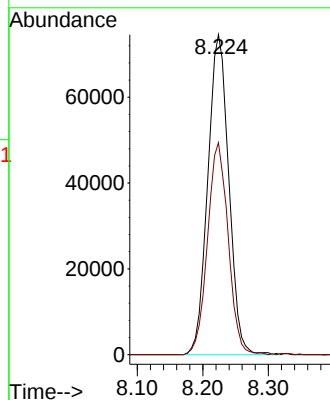
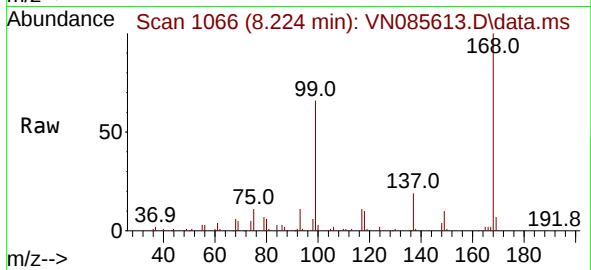




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

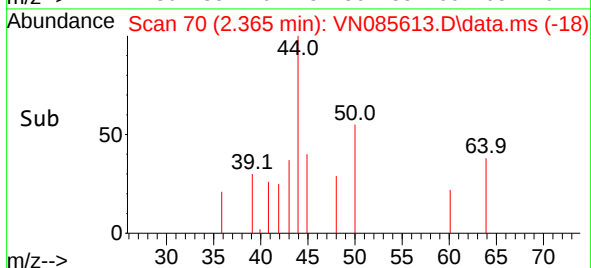
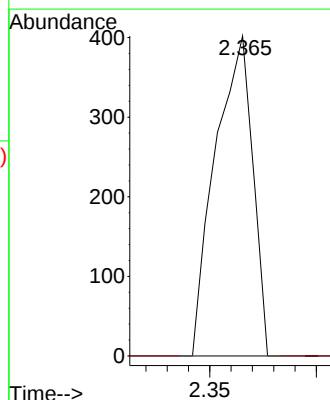
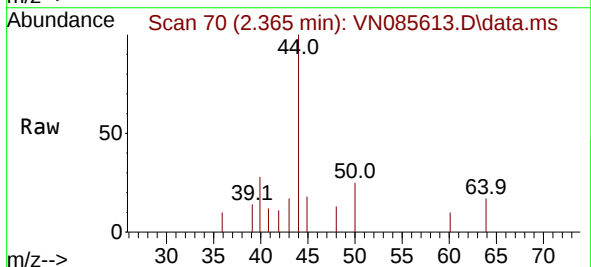
Instrument :
MSVOA_N
ClientSampleId :

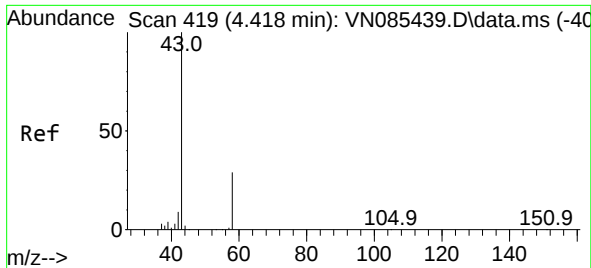
Tgt Ion:168 Resp: 165752
Ion Ratio Lower Upper
168 100
99 66.3 53.6 80.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Tgt Ion: 50 Resp: 490
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

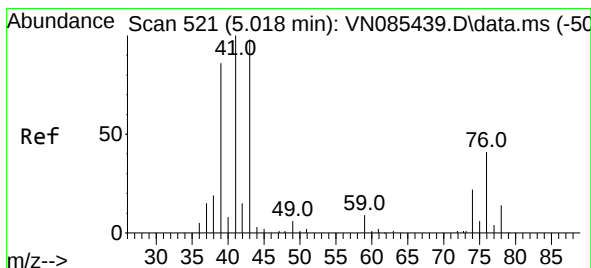
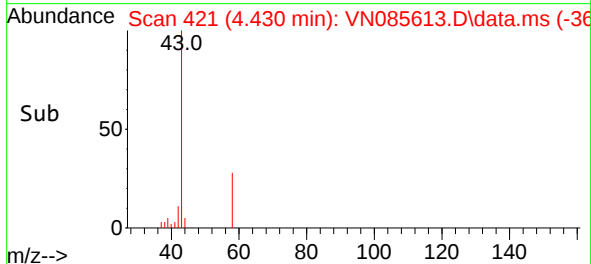
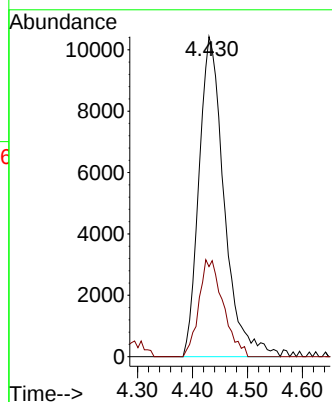
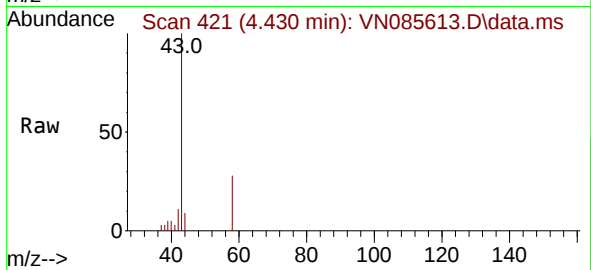




#16
Acetone
Concen: 38.378 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

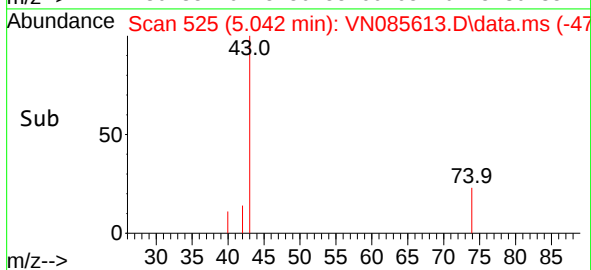
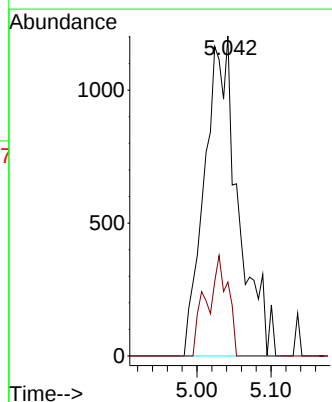
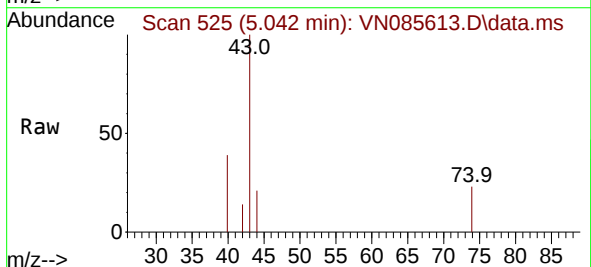
Instrument :
MSVOA_N
ClientSampleId :

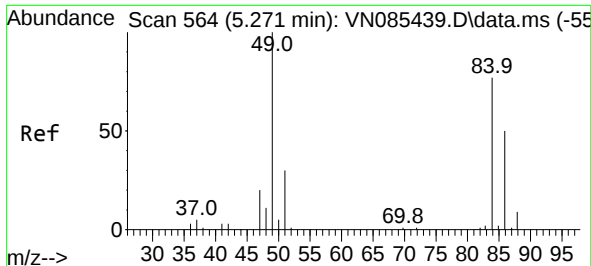
Tgt Ion: 43 Resp: 33178
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.6



#18
Methyl Acetate
Concen: 1.444 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.024 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

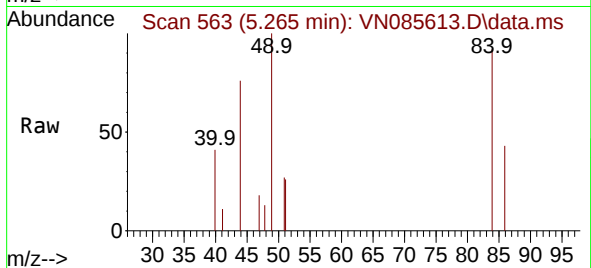
Tgt Ion: 43 Resp: 3797
Ion Ratio Lower Upper
43 100
74 19.8 18.6 28.0





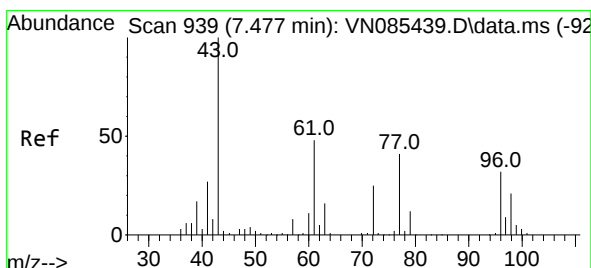
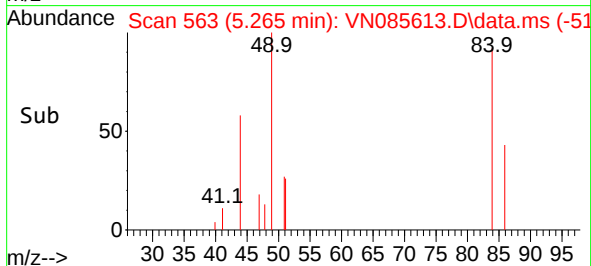
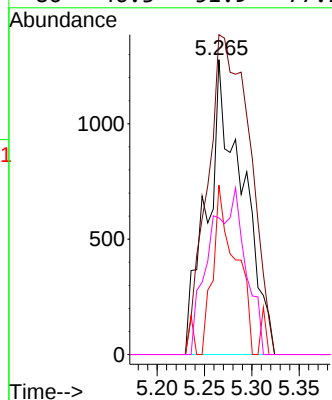
#20
Methylene Chloride
Concen: 1.552 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 3322

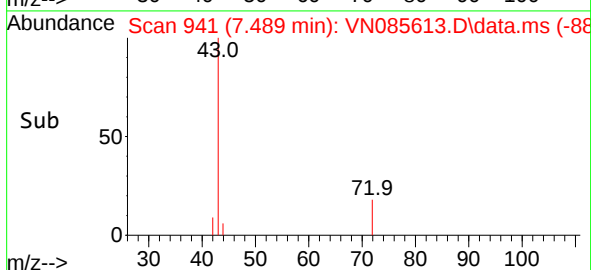
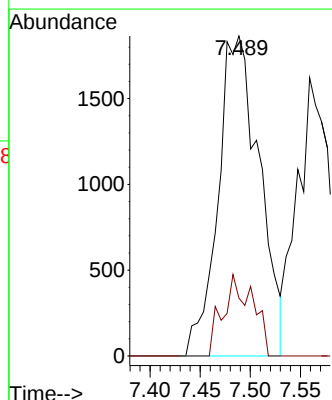
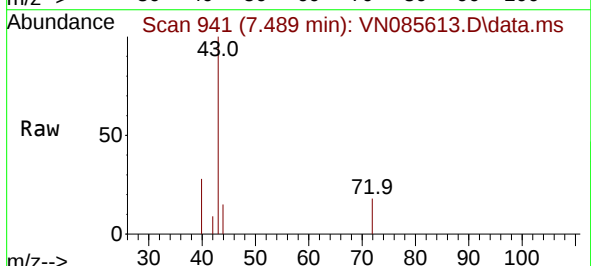
Ion	Ratio	Lower	Upper
84	100		
49	108.5	104.1	156.1
51	57.4	31.0	46.4#
86	46.3	51.9	77.9#

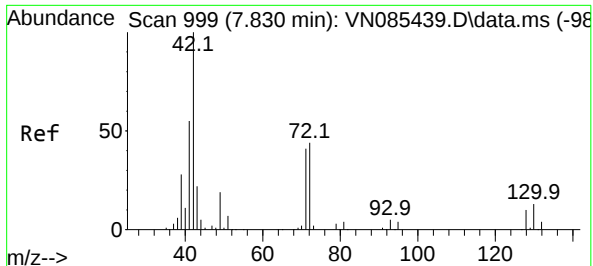


#25
2-Butanone
Concen: 4.190 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Tgt Ion: 43 Resp: 5331

Ion	Ratio	Lower	Upper
43	100		
72	18.1	20.2	30.4#





#29

Tetrahydrofuran

Concen: 0.873 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.012 min

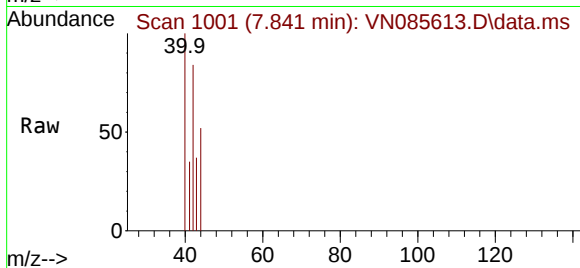
Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

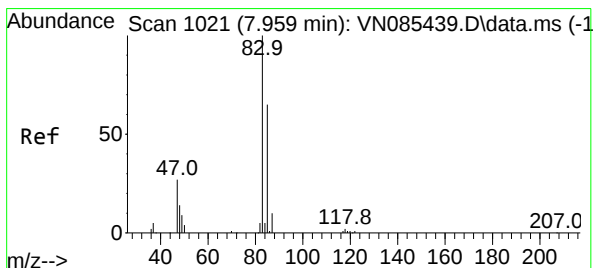
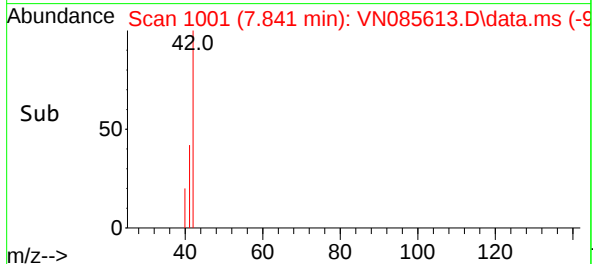
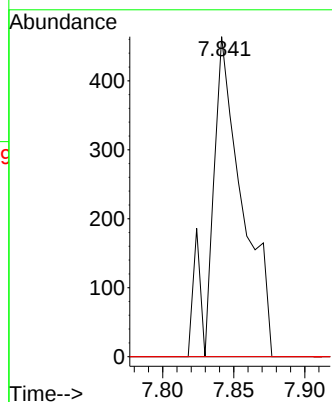
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 704
Ion Ratio	Lower Upper
42	100
72	0.0 34.2 51.2#
71	0.0 32.5 48.7#



#30

Chloroform

Concen: 1.583 ug/l

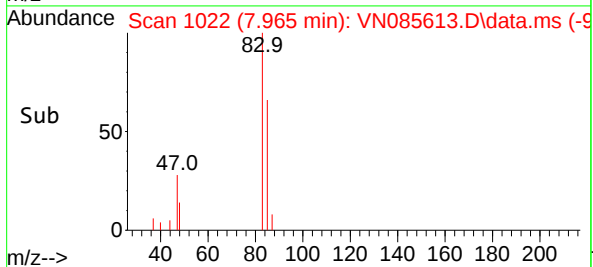
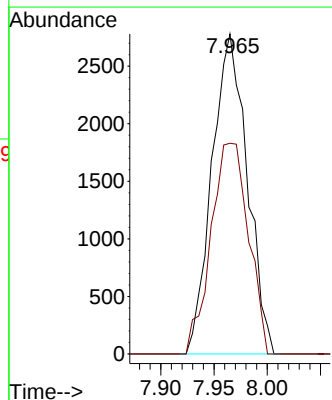
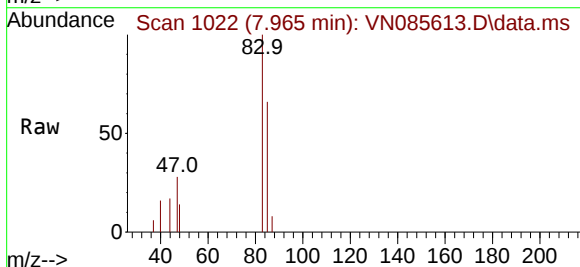
RT: 7.965 min Scan# 1022

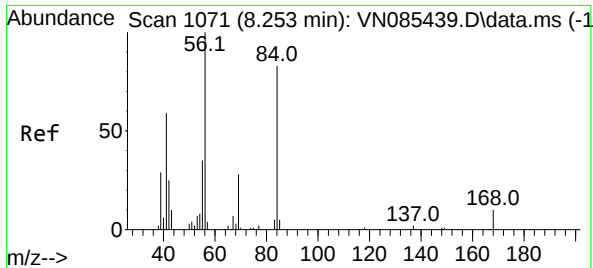
Delta R.T. 0.006 min

Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

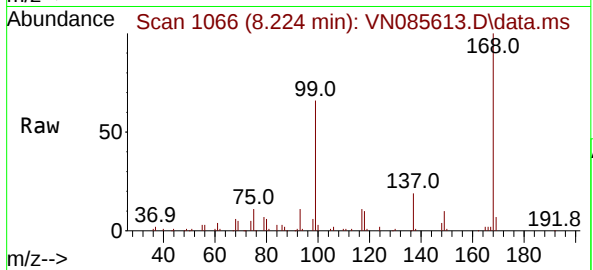
Tgt Ion: 83	Resp: 6392
Ion Ratio	Lower Upper
83	100
85	65.9 51.8 77.6



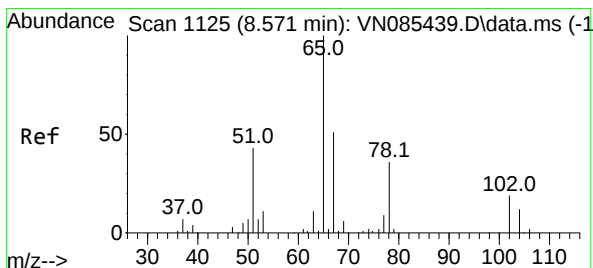
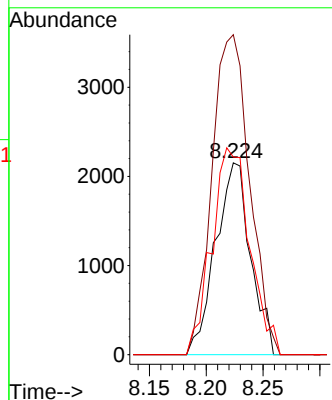
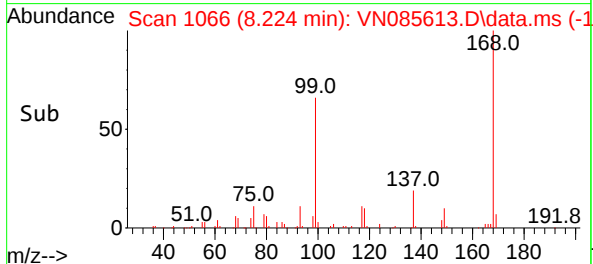


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

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ClientSampleId :

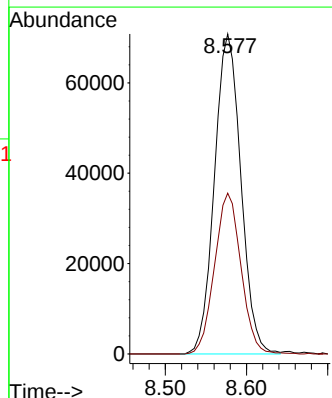
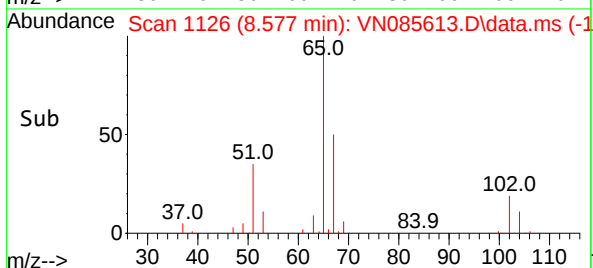
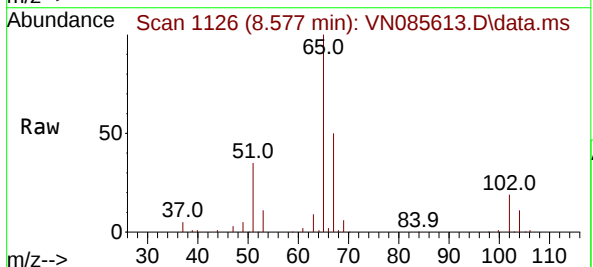


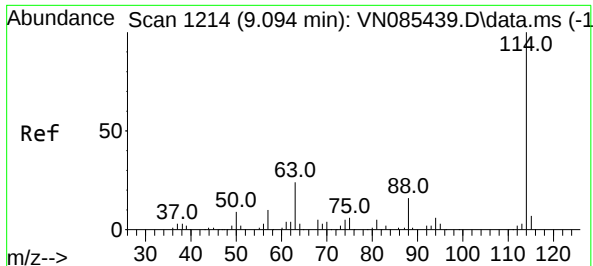
Tgt Ion: 56 Resp: 4592
Ion Ratio Lower Upper
56 100
69 166.8 22.2 33.4#
84 103.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.862 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Tgt Ion: 65 Resp: 160166
Ion Ratio Lower Upper
65 100
67 50.3 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: VN085613.D

Acq: 31 Jan 2025 19:41

Instrument :

MSVOA_N

ClientSampleId :

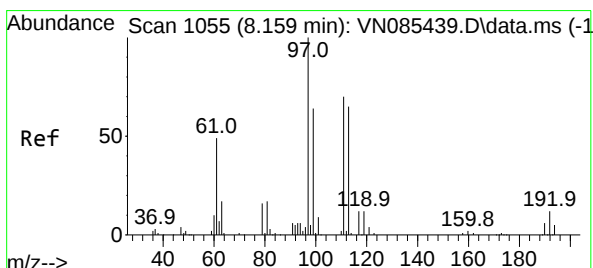
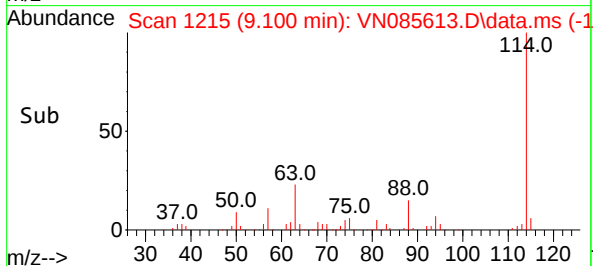
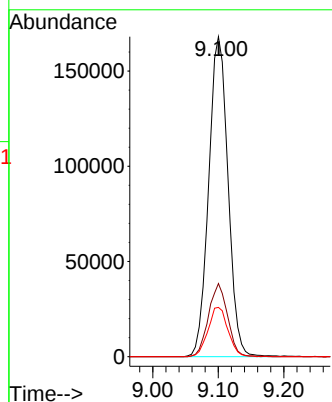
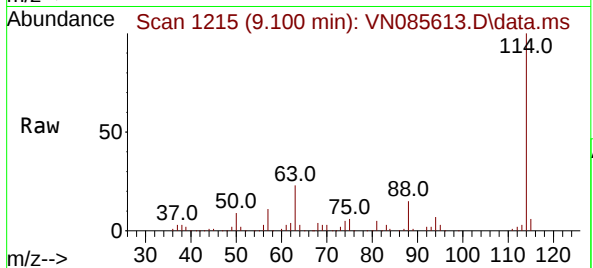
Tgt Ion:114 Resp: 344120

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.784 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

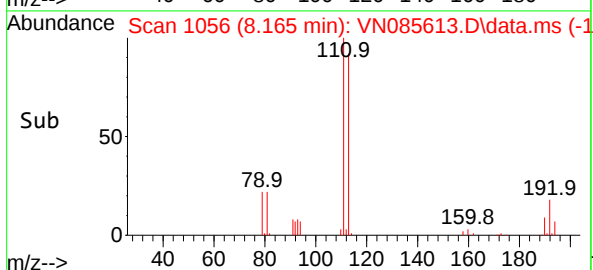
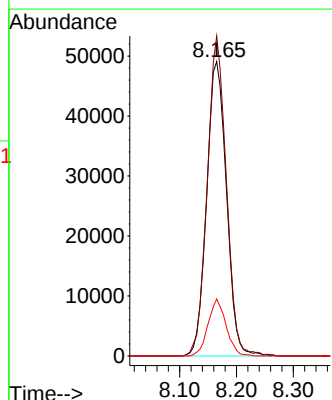
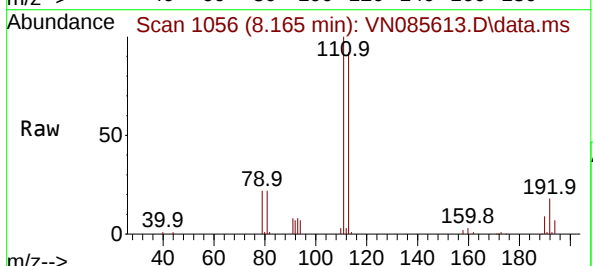
Tgt Ion:113 Resp: 118851

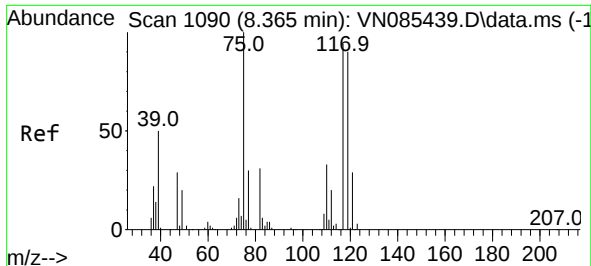
Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

192 17.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

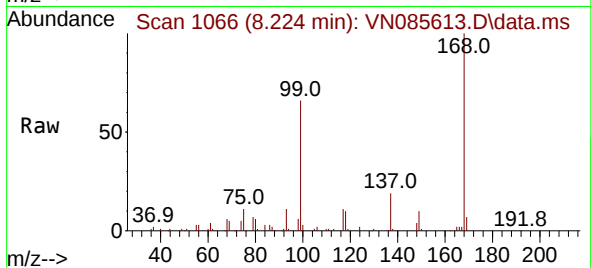
Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

Instrument :

MSVOA_N

ClientSampleId :



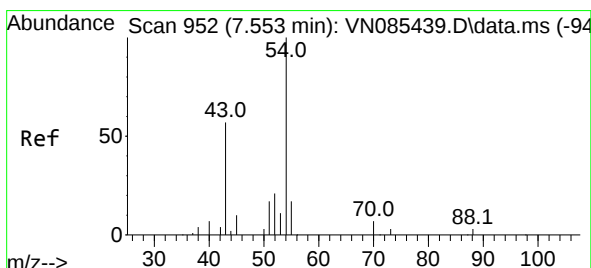
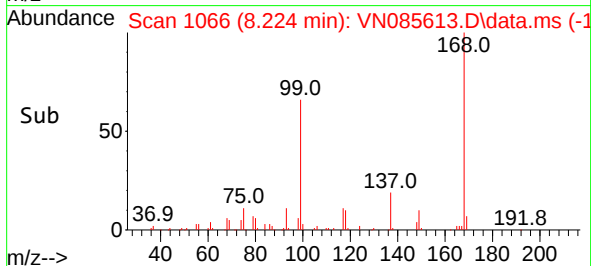
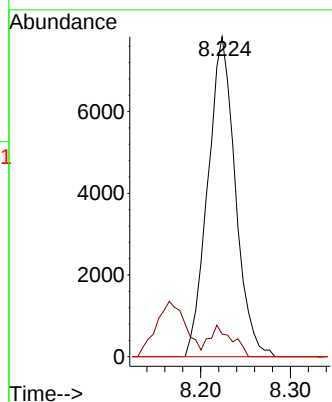
Tgt Ion: 75 Resp: 16671

Ion Ratio Lower Upper

75 100

110 8.0 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.136 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

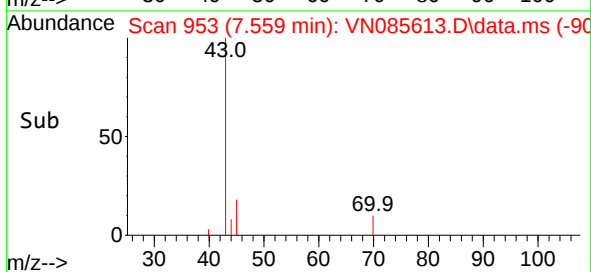
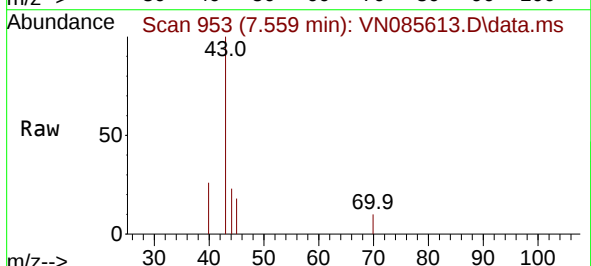
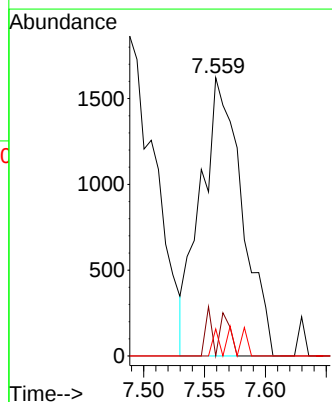
Tgt Ion: 43 Resp: 3842

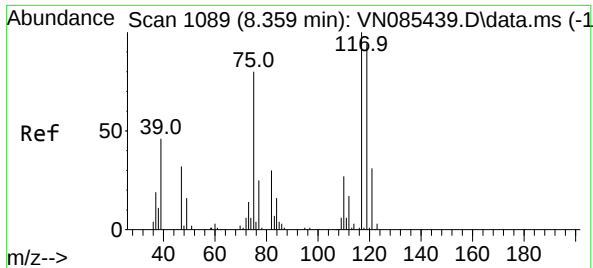
Ion Ratio Lower Upper

43 100

61 2.6 10.9 16.3#

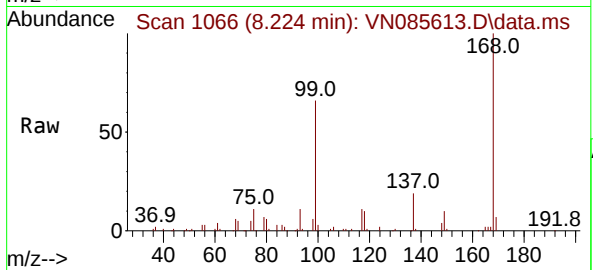
70 1.5 7.5 11.3#



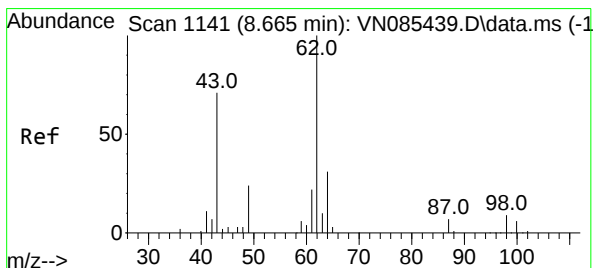
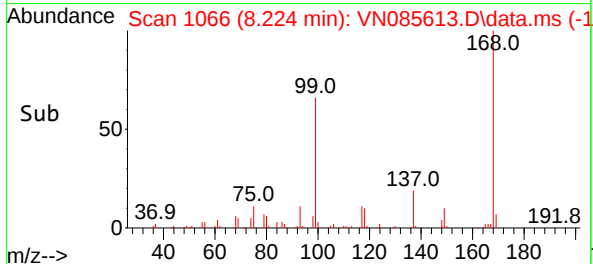
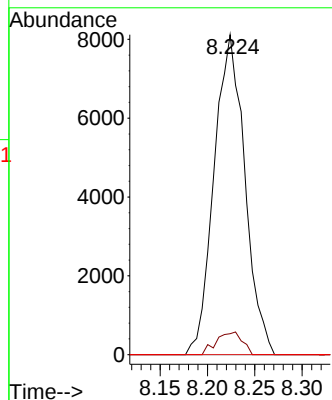


#38
Carbon Tetrachloride
Concen: 4.776 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Instrument :
MSVOA_N
ClientSampleId :

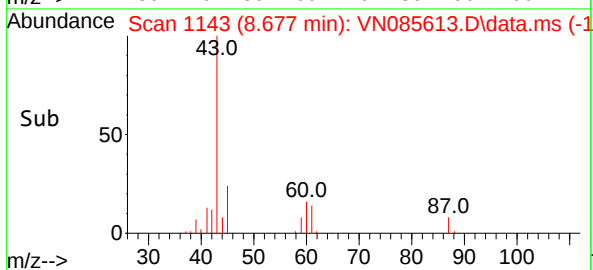
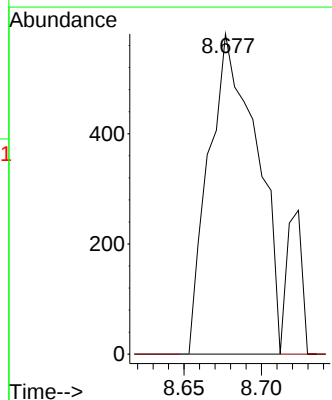
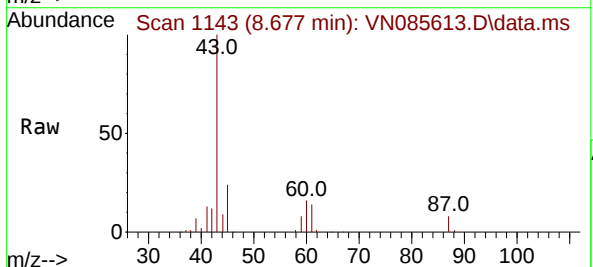


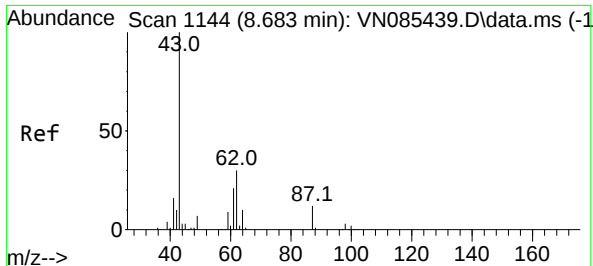
Tgt Ion:117 Resp: 18321
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.329 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Tgt Ion: 62 Resp: 1249
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 48.346 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

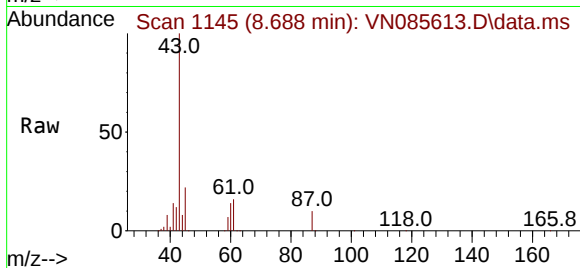
Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

Instrument :

MSVOA_N

ClientSampleId :



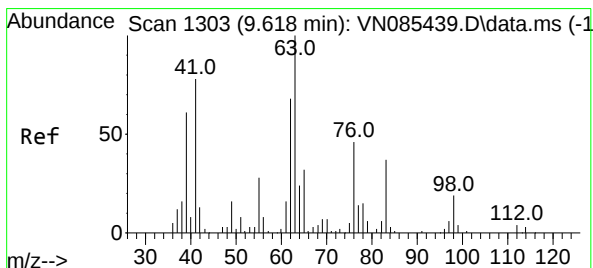
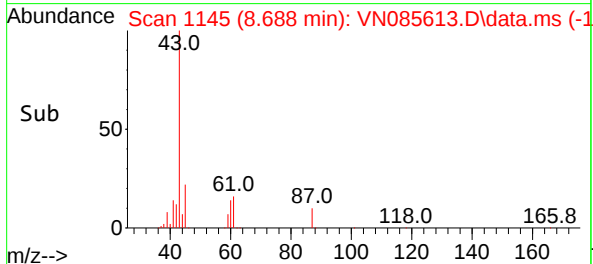
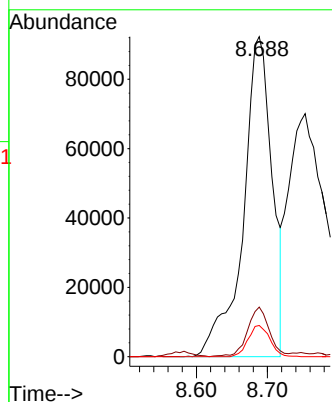
Tgt Ion: 43 Resp: 261992

Ion Ratio Lower Upper

43 100

61 11.7 20.7 31.1#

87 7.3 9.8 14.8#



#45

1,2-Dichloropropane

Concen: 0.755 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN085613.D

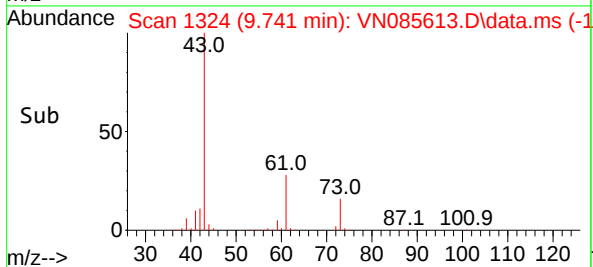
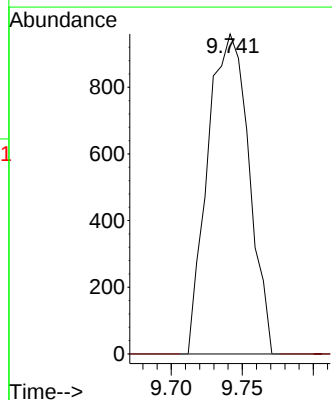
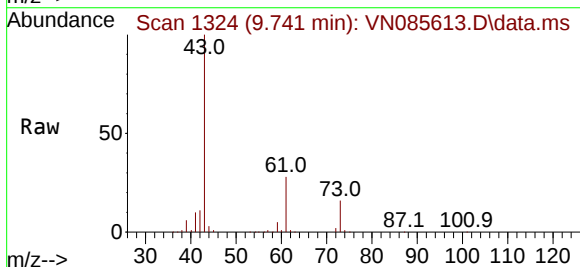
Acq: 31 Jan 2025 19:41

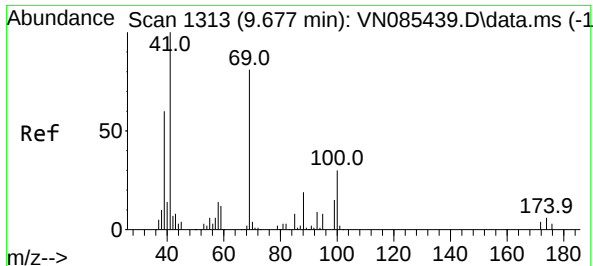
Tgt Ion: 63 Resp: 1941

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.985 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

Instrument :

MSVOA_N

ClientSampleId :

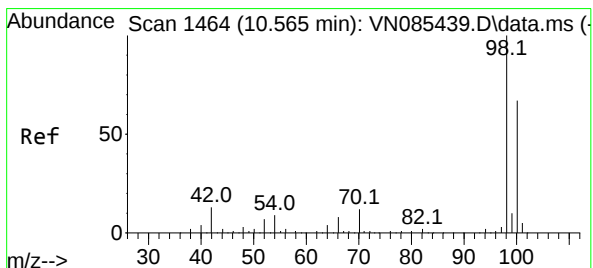
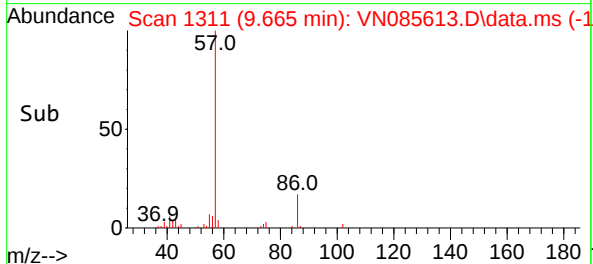
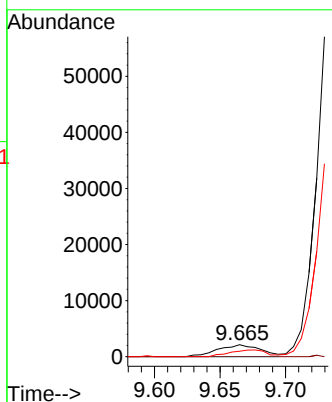
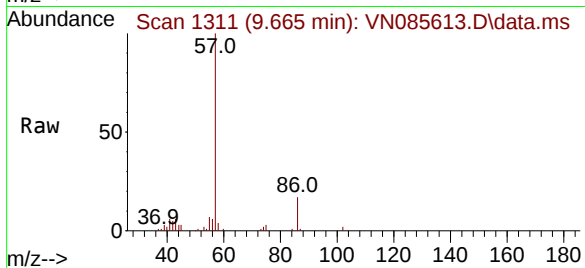
Tgt Ion: 41 Resp: 4841

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 0.0 49.0 73.6#



#50

Toluene-d8

Concen: 52.389 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085613.D

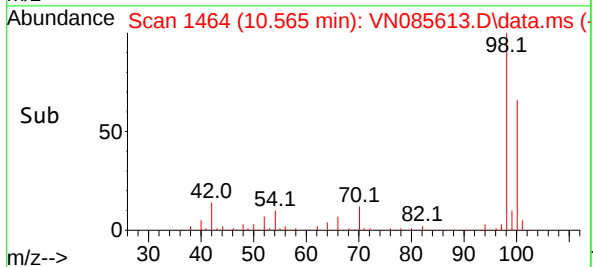
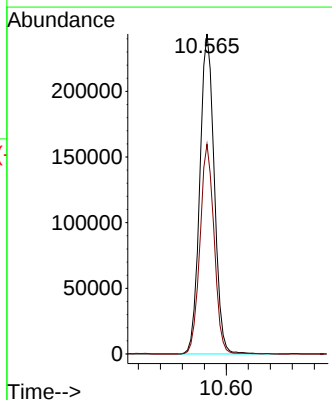
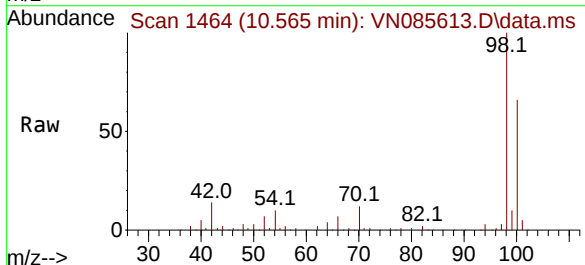
Acq: 31 Jan 2025 19:41

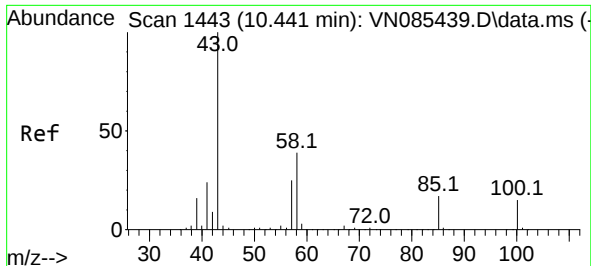
Tgt Ion: 98 Resp: 444373

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4

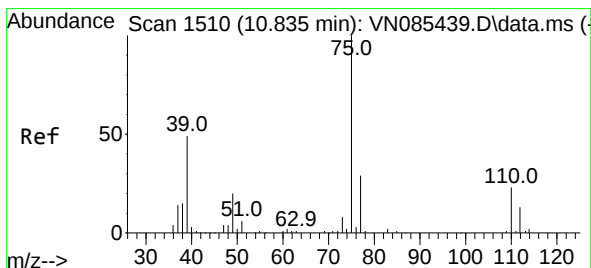
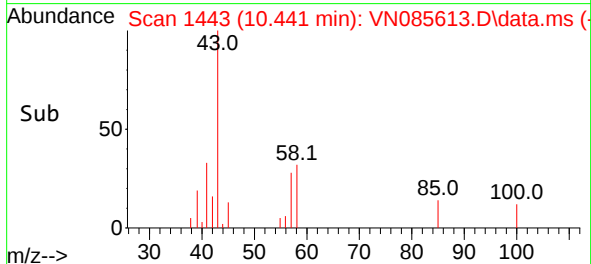
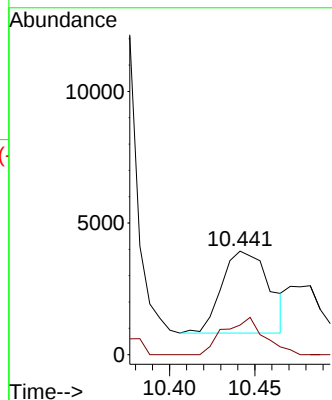
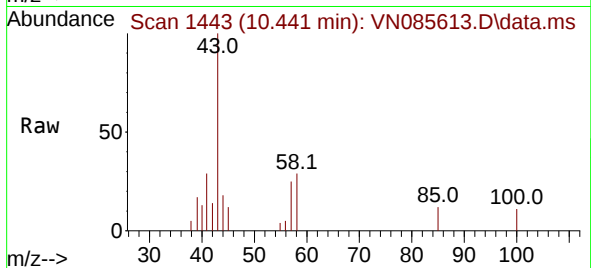




#51
4-Methyl-2-Pentanone
Concen: 1.909 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

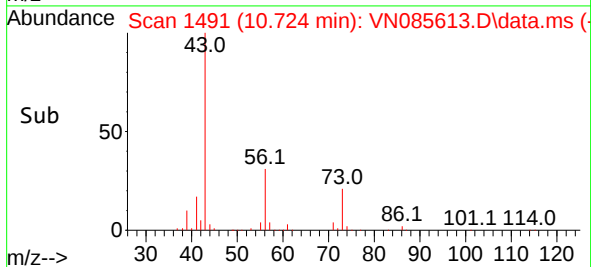
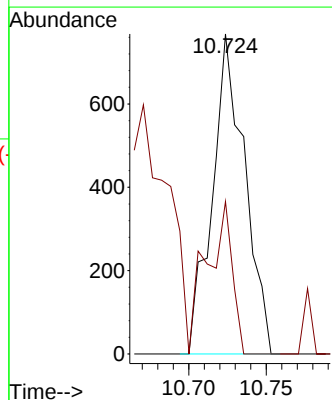
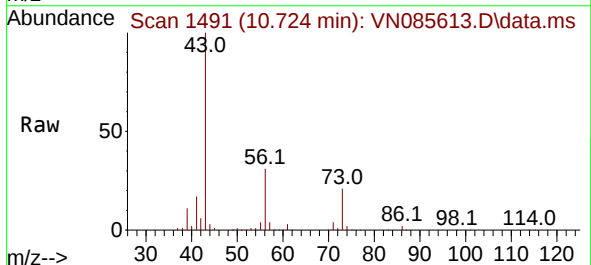
Instrument :
MSVOA_N
ClientSampleId :

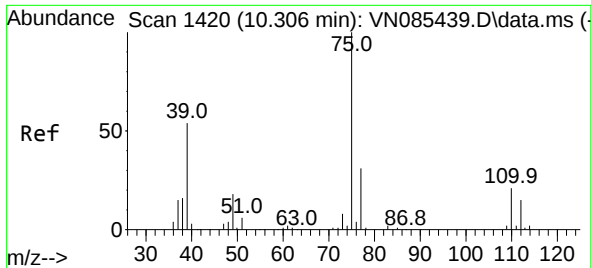
Tgt Ion: 43 Resp: 6004
Ion Ratio Lower Upper
43 100
58 38.7 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.313 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Tgt Ion: 75 Resp: 1118
Ion Ratio Lower Upper
75 100
77 47.7 23.5 35.3#

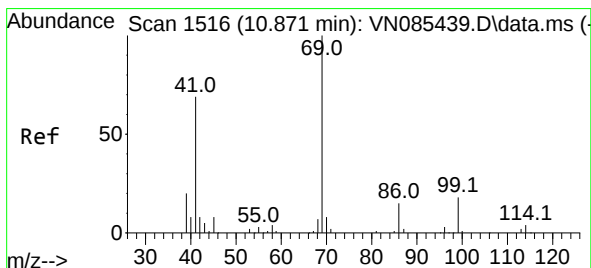
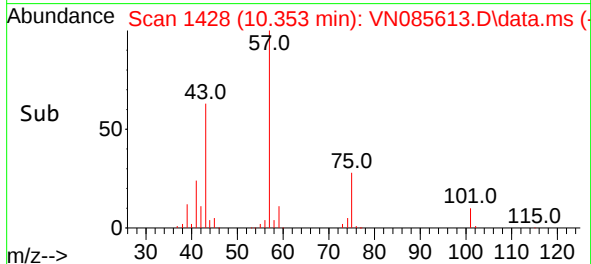
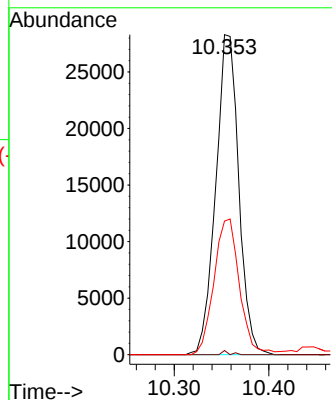
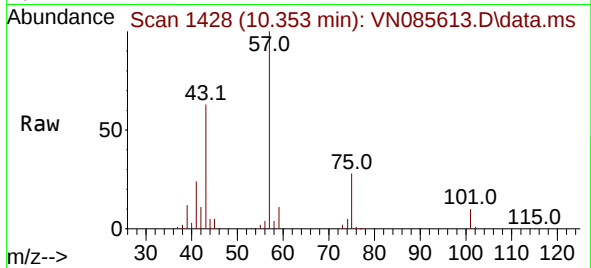




#54
 cis-1,3-Dichloropropene
 Concen: 12.530 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085613.D
 Acq: 31 Jan 2025 19:41

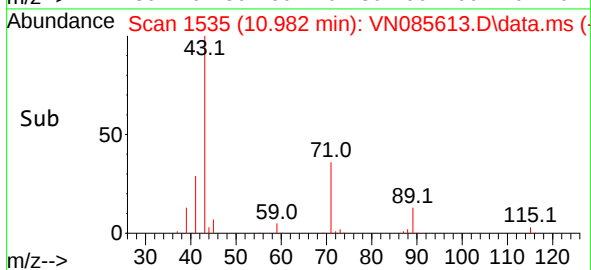
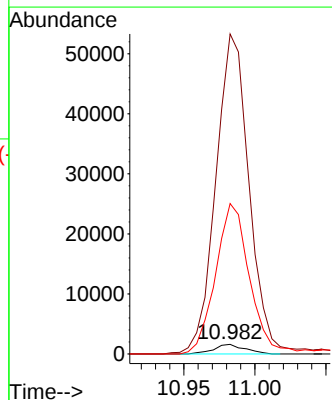
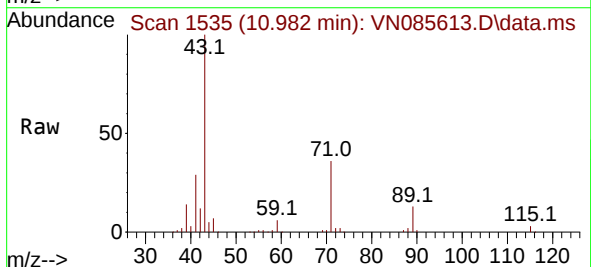
Instrument :
 MSVOA_N
 ClientSampleId :

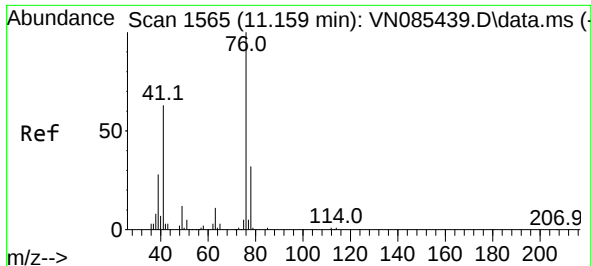
Tgt Ion: 75 Resp: 47814
 Ion Ratio Lower Upper
 75 100
 77 1.3 25.0 37.4#
 39 41.7 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.530 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085613.D
 Acq: 31 Jan 2025 19:41

Tgt Ion: 69 Resp: 2423
 Ion Ratio Lower Upper
 69 100
 41 3604.2 54.6 82.0#
 39 1731.4 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.823 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085613.D

Acq: 31 Jan 2025 19:41

Instrument :

MSVOA_N

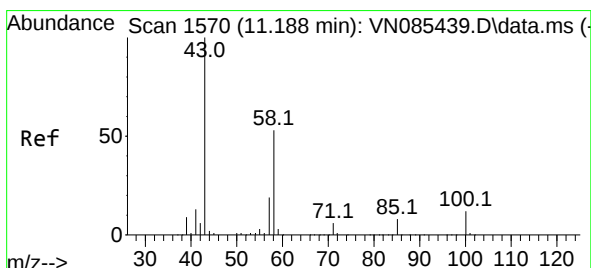
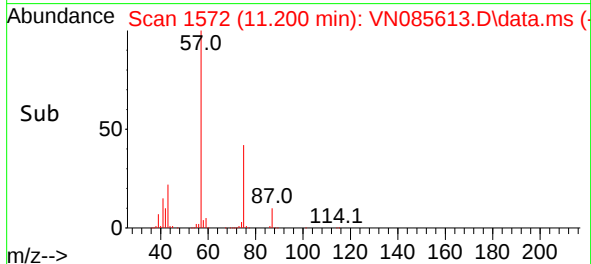
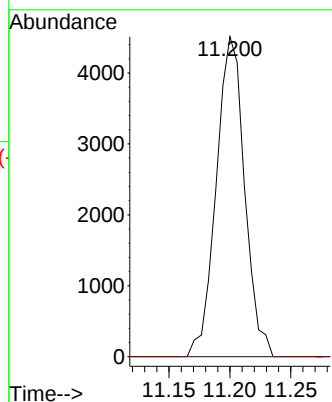
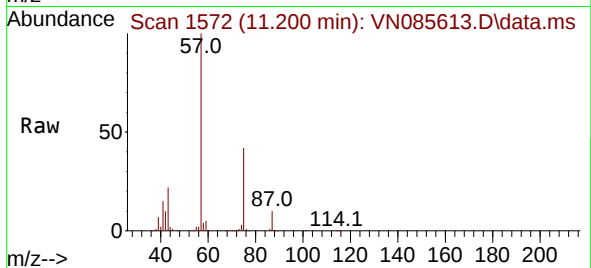
ClientSampleId :

Tgt Ion: 76 Resp: 7319

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 49.800 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085613.D

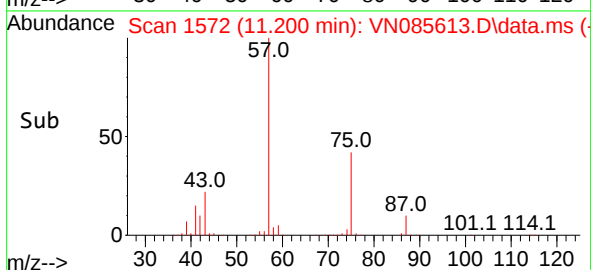
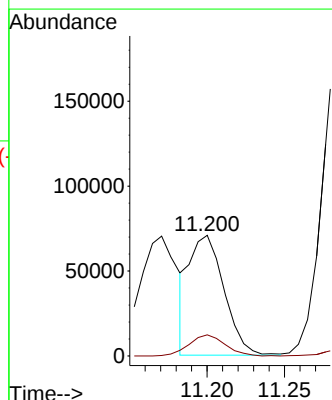
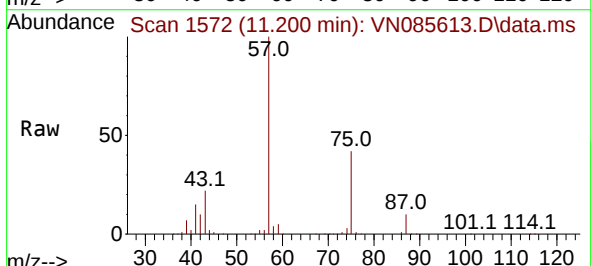
Acq: 31 Jan 2025 19:41

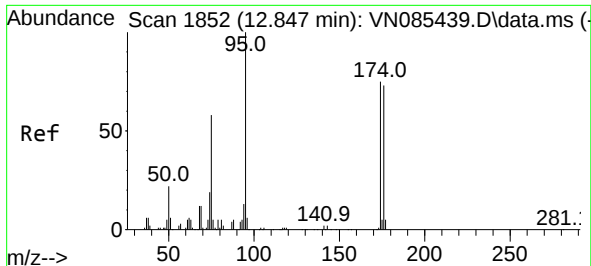
Tgt Ion: 43 Resp: 110189

Ion Ratio Lower Upper

43 100

58 18.3 26.2 78.6#

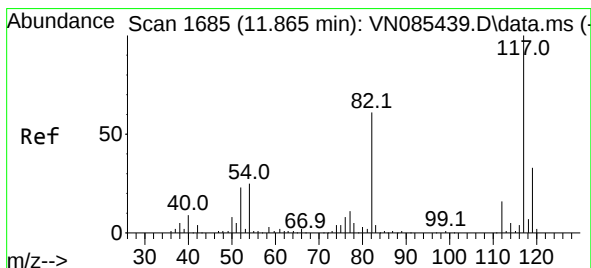
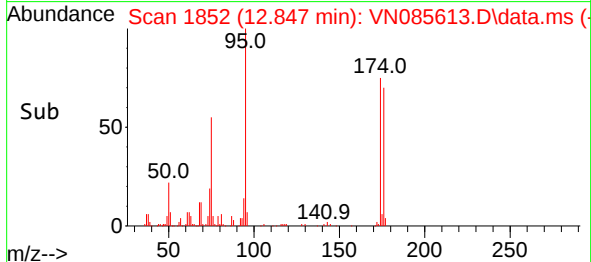
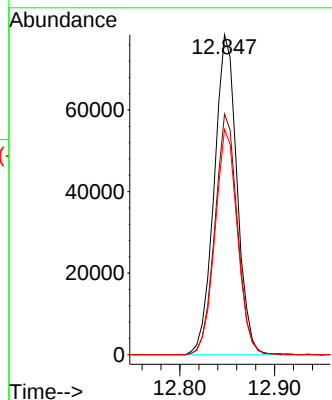
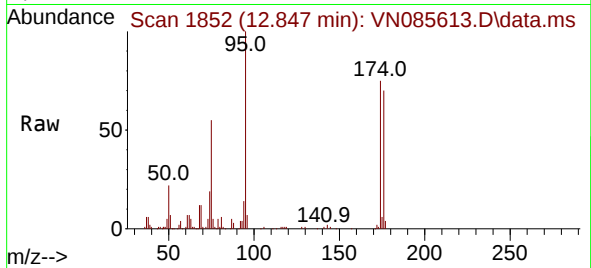




#62
4-Bromofluorobenzene
Concen: 45.136 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

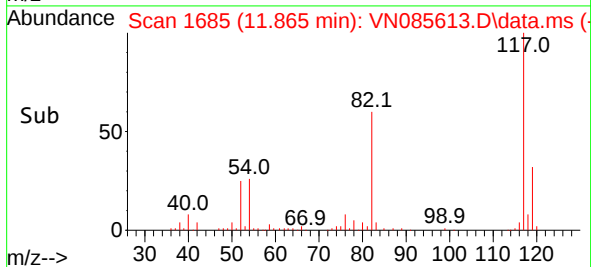
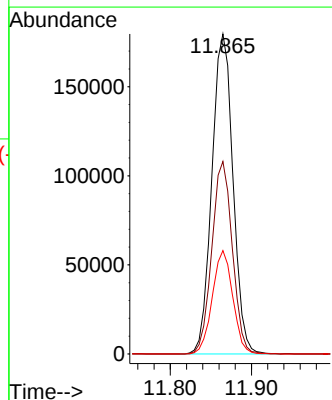
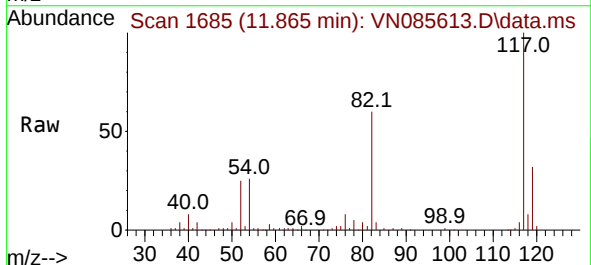
Instrument :
MSVOA_N
ClientSampleId :

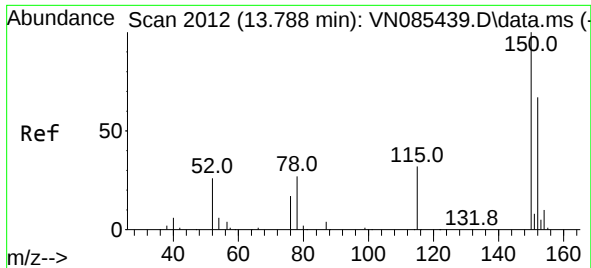
Tgt Ion: 95 Resp: 130963
Ion Ratio Lower Upper
95 100
174 74.4 0.0 145.0
176 69.8 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

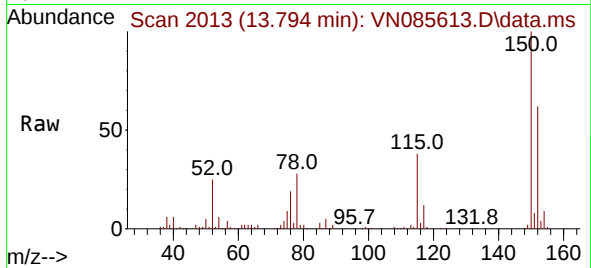
Tgt Ion: 117 Resp: 324187
Ion Ratio Lower Upper
117 100
82 60.1 48.6 72.8
119 32.3 26.6 39.8



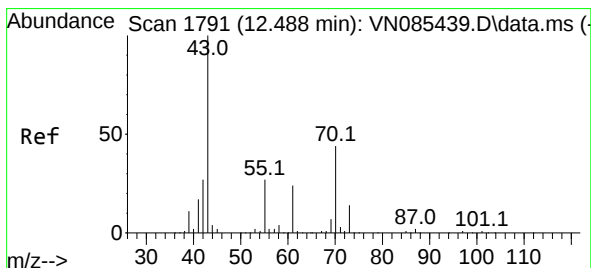
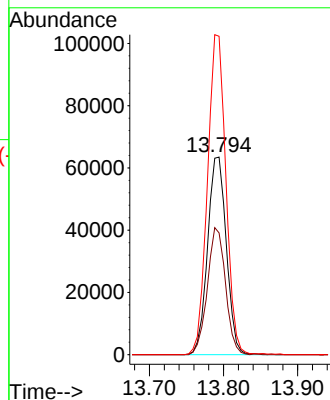
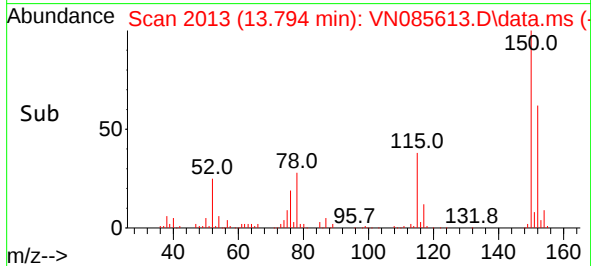


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

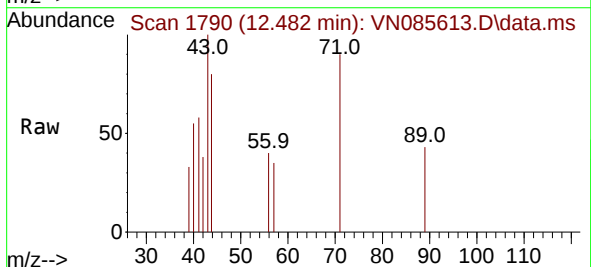
Instrument :
MSVOA_N
ClientSampleId :



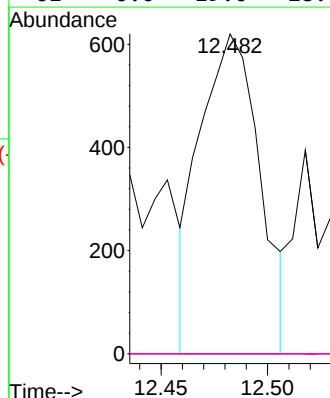
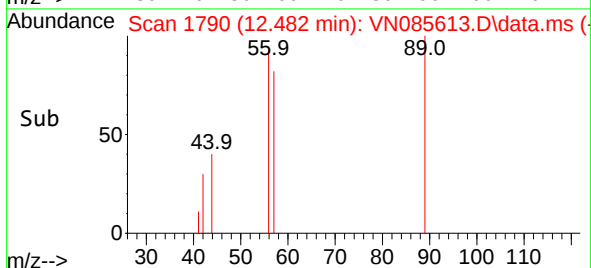
Tgt Ion:152 Resp: 112034
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.3
150 158.8 0.0 343.6

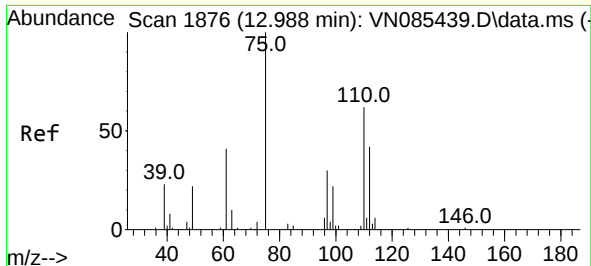


#74
N-ethyl acetate
Concen: 0.357 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41



Tgt Ion: 43 Resp: 1215
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#

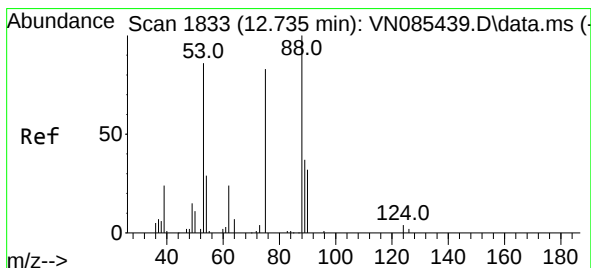
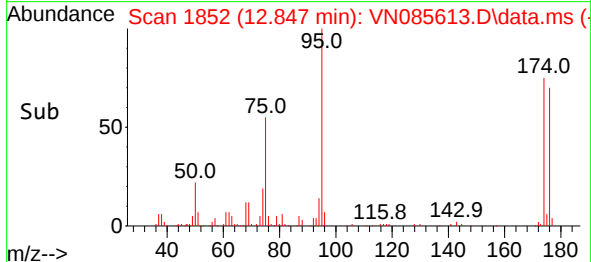
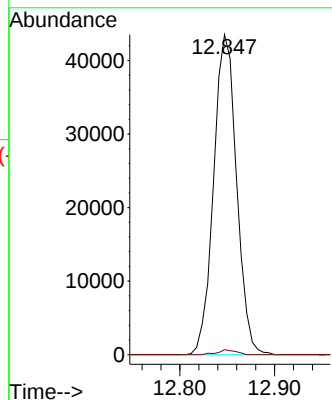
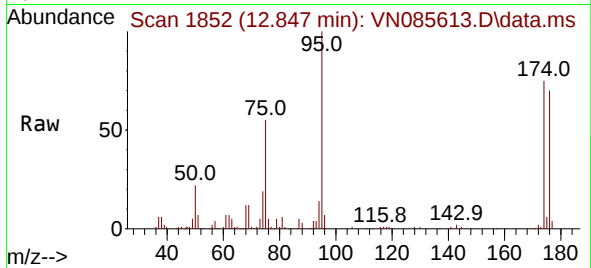




#76
1,2,3-Trichloropropane
Concen: 32.208 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73341
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.140 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085613.D
Acq: 31 Jan 2025 19:41

Tgt Ion: 75 Resp: 73341
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

