

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085559.D
 Acq On : 29 Jan 2025 15:53
 Operator : JC\MD
 Sample : Q1207-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:37:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

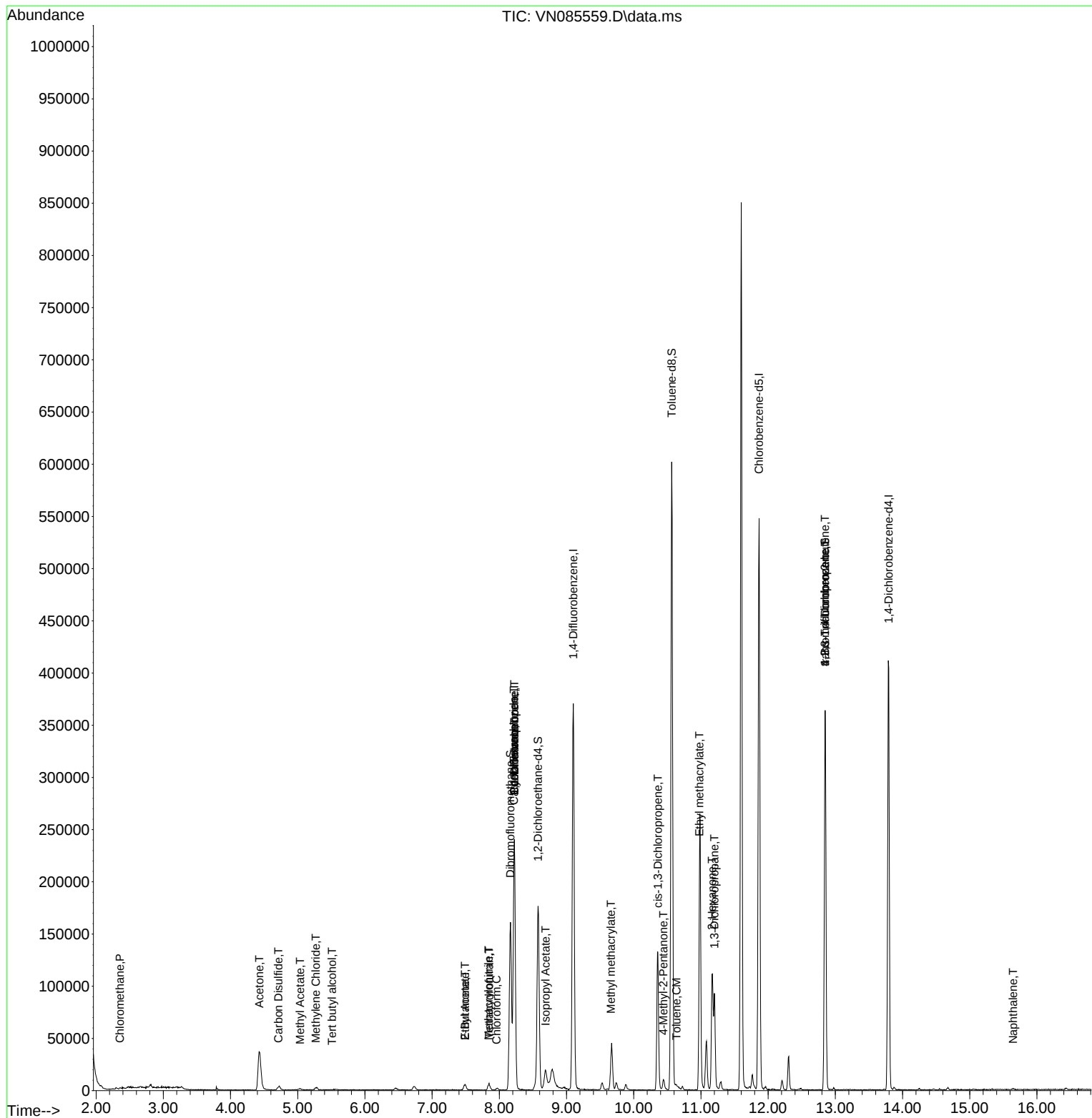
Internal Standards						
1) Pentafluorobenzene	8.224	168	160119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148132	57.312	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 114.620%		
35) Dibromofluoromethane	8.165	113	111026	52.849	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.700%		
50) Toluene-d8	10.565	98	396088	53.065	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.140%		
62) 4-Bromofluorobenzene	12.847	95	119098	46.645	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	505	0.215	ug/l	96
11) Tert butyl alcohol	5.512	59	204	0.689	ug/l #	71
16) Acetone	4.430	43	73891	88.479	ug/l	99
17) Carbon Disulfide	4.712	76	1487	0.281	ug/l #	76
18) Methyl Acetate	5.036	43	2627	1.034	ug/l #	73
20) Methylene Chloride	5.271	84	1022	0.494	ug/l #	80
25) 2-Butanone	7.489	43	9272	7.545	ug/l #	86
29) Tetrahydrofuran	7.847	42	3958	5.080	ug/l	95
30) Chloroform	7.959	83	1874	0.480	ug/l #	82
31) Cyclohexane	8.224	56	4898	1.493	ug/l #	45
36) 1,1-Dichloropropene	8.224	75	15133	5.133	ug/l #	50
37) Ethyl Acetate	7.489	43	9272	3.116	ug/l #	70
38) Carbon Tetrachloride	8.218	117	17778	5.267	ug/l #	18
41) Methacrylonitrile	7.841	41	2535	1.637	ug/l #	40
43) Isopropyl Acetate	8.688	43	23346	4.896	ug/l #	80
48) Methyl methacrylate	9.659	41	3043	1.418	ug/l #	47
51) 4-Methyl-2-Pentanone	10.441	43	8272	2.989	ug/l #	85
52) Toluene	10.635	92	1465	0.285	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	21463	6.392	ug/l #	71
56) Ethyl methacrylate	10.977	69	1830	2.445	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	874	0.247	ug/l #	43
59) 2-Hexanone	11.165	43	98179	50.424	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	68559	31.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68559	85.797	ug/l #	3
95) Naphthalene	15.647	128	1287	0.269	ug/l #	69

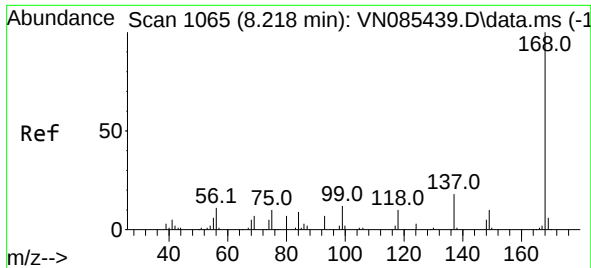
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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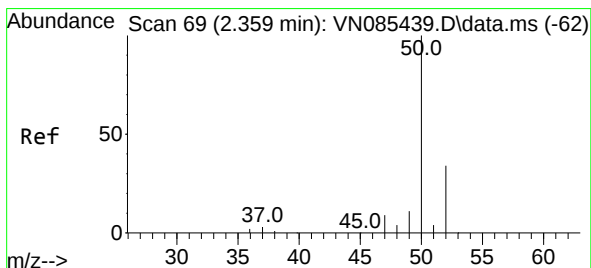
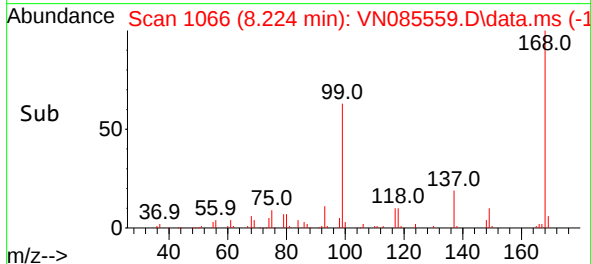
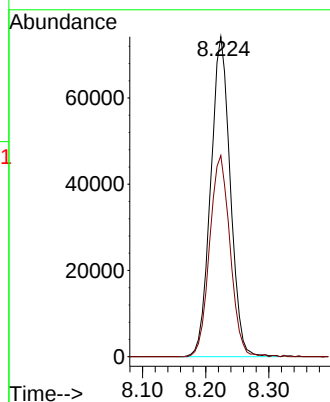
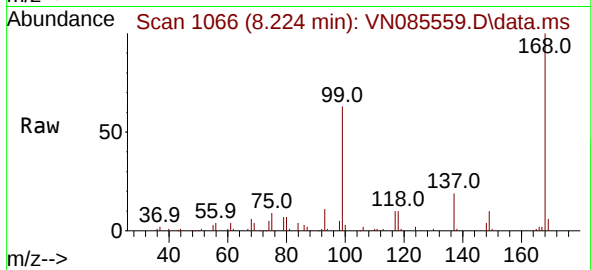




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

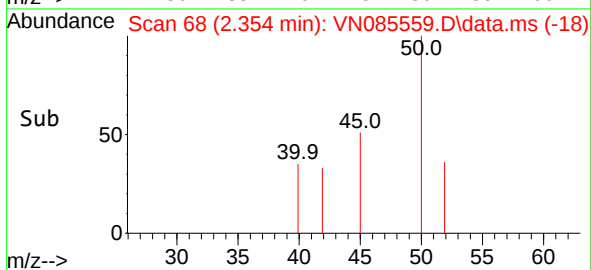
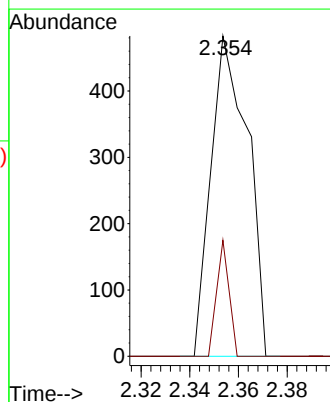
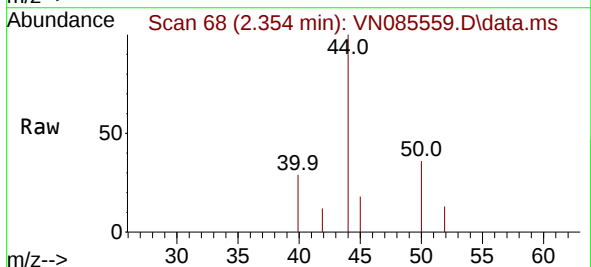
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 160119
Ion Ratio Lower Upper
168 100
99 62.8 53.6 80.4



#3
Chloromethane
Concen: 0.215 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

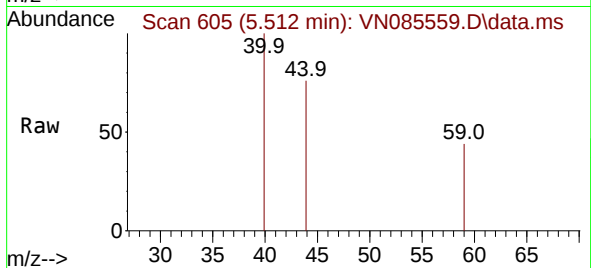
Tgt Ion: 50 Resp: 505
Ion Ratio Lower Upper
50 100
52 36.2 27.0 40.6



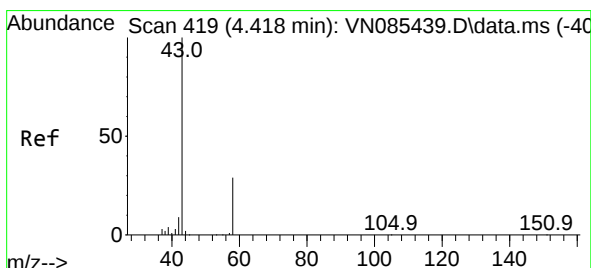
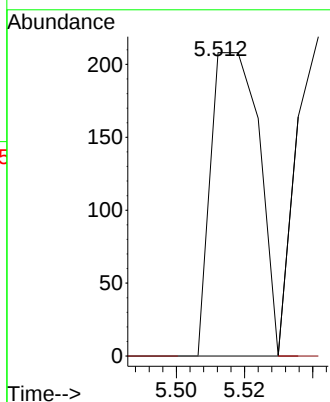
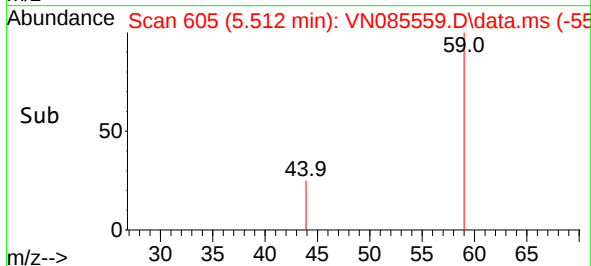


#11
Tert butyl alcohol
Concen: 0.689 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

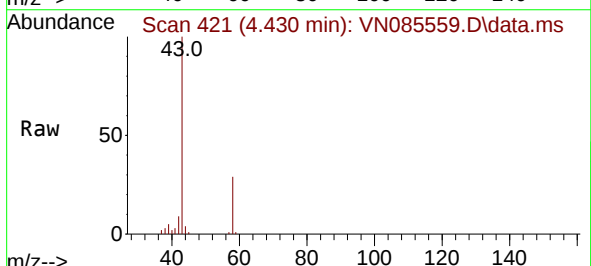
Instrument :
MSVOA_N
ClientSampleId :



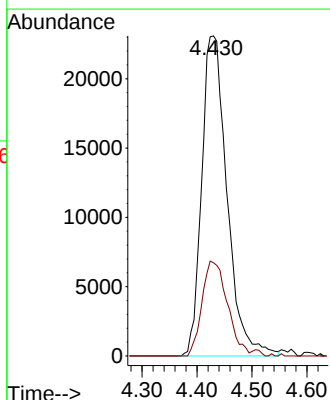
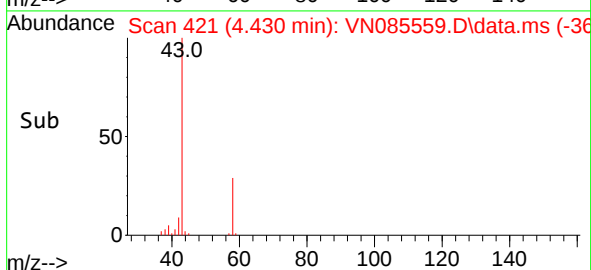
Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

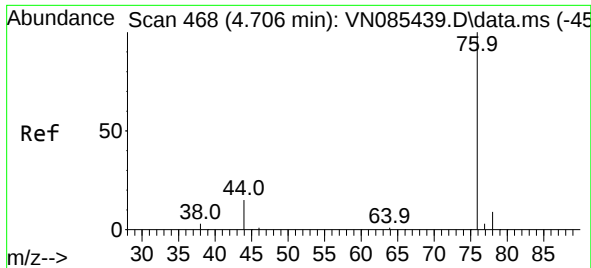


#16
Acetone
Concen: 88.479 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53



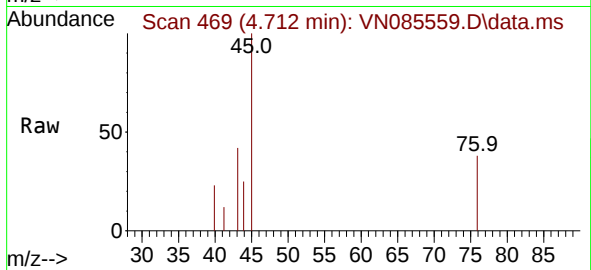
Tgt Ion: 43 Resp: 73891
Ion Ratio Lower Upper
43 100
58 29.1 23.8 35.6



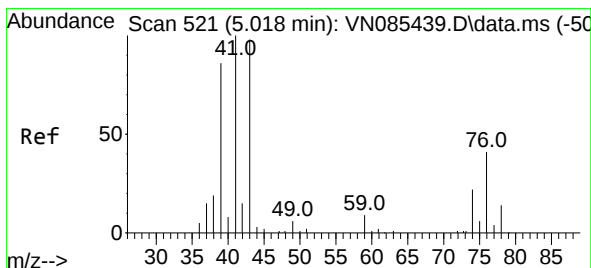
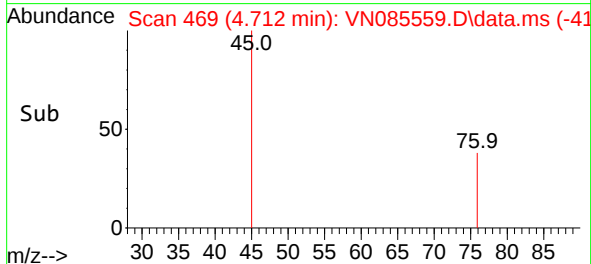
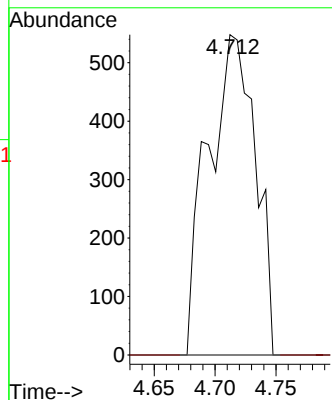


#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Instrument :
MSVOA_N
ClientSampleId :

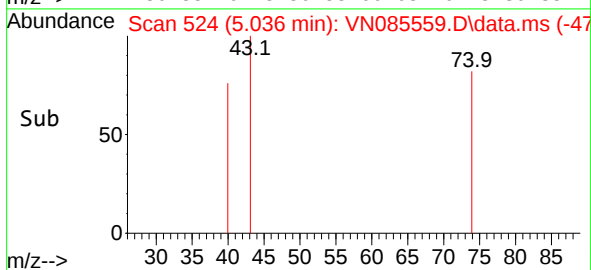
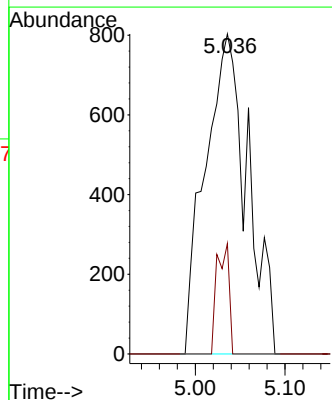
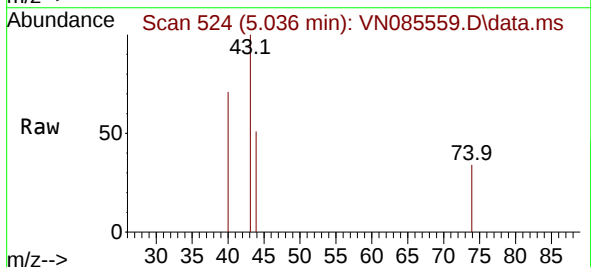


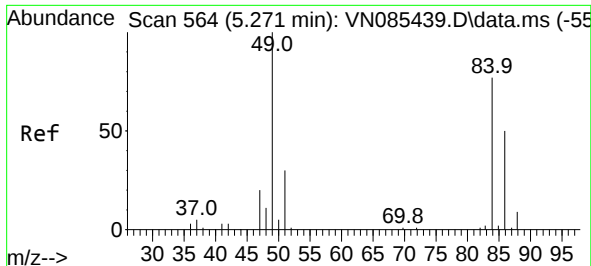
Tgt Ion: 76 Resp: 1487
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#18
Methyl Acetate
Concen: 1.034 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

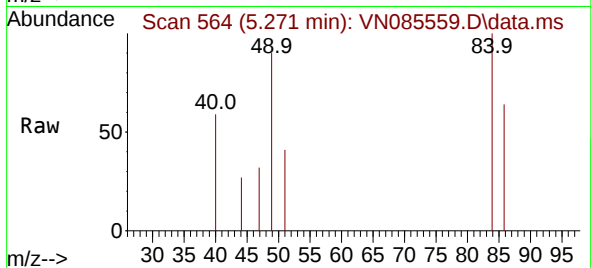
Tgt Ion: 43 Resp: 2627
Ion Ratio Lower Upper
43 100
74 10.0 18.6 28.0#





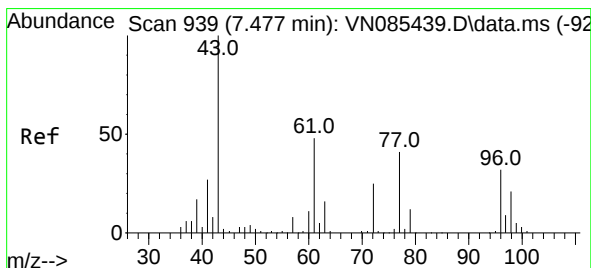
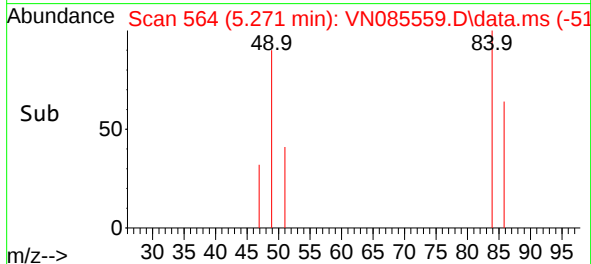
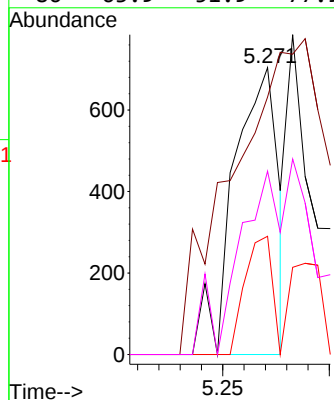
#20
Methylene Chloride
Concen: 0.494 ug/l
RT: 5.271 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1022

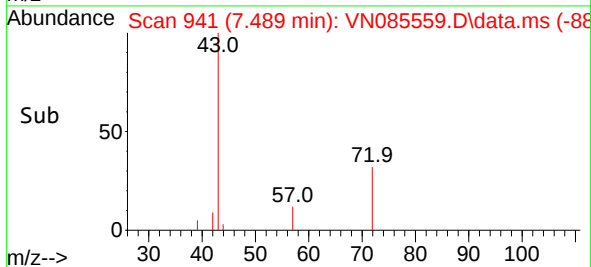
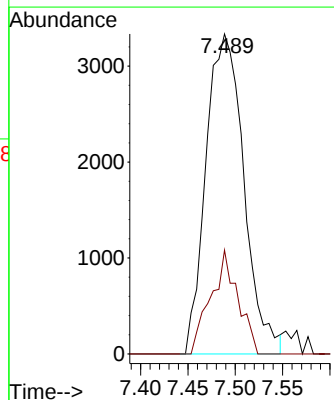
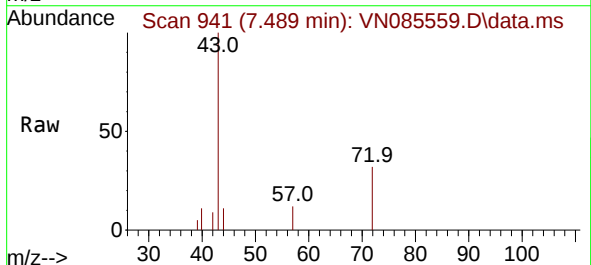
Ion	Ratio	Lower	Upper
84	100		
49	89.8	104.1	156.1#
51	41.2	31.0	46.4
86	63.9	51.9	77.9

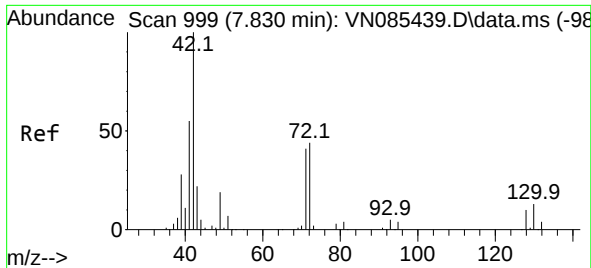


#25
2-Butanone
Concen: 7.545 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Tgt Ion: 43 Resp: 9272

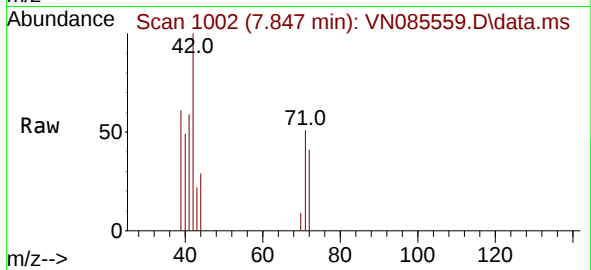
Ion	Ratio	Lower	Upper
43	100		
72	32.4	20.2	30.4#



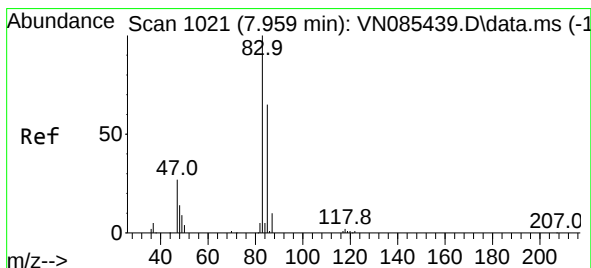
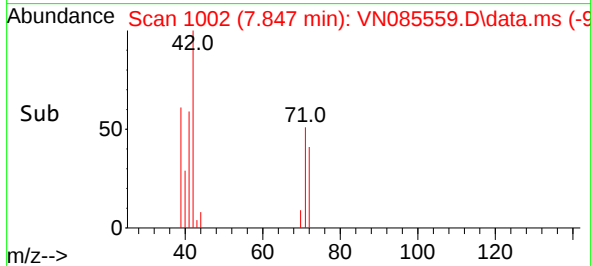
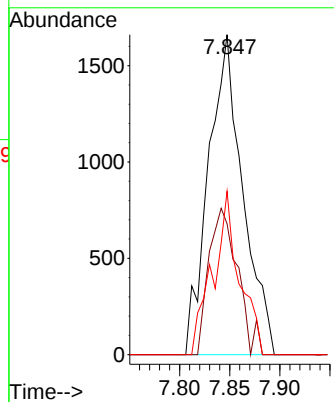


#29
Tetrahydrofuran
Concen: 5.080 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.018 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Instrument :
MSVOA_N
ClientSampleId :

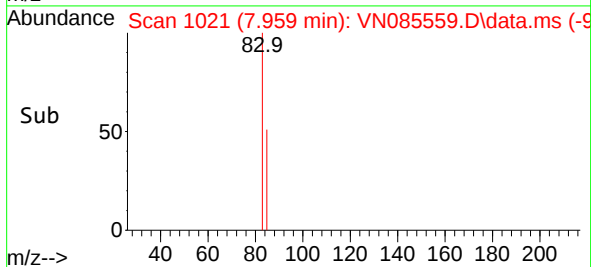
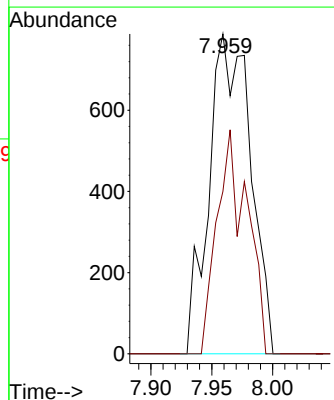
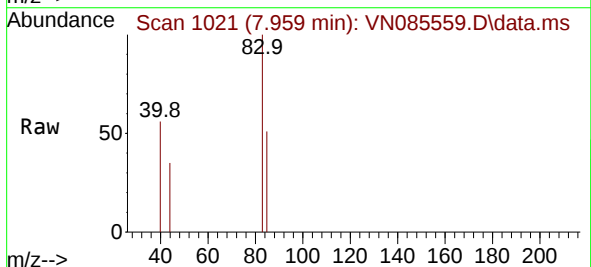


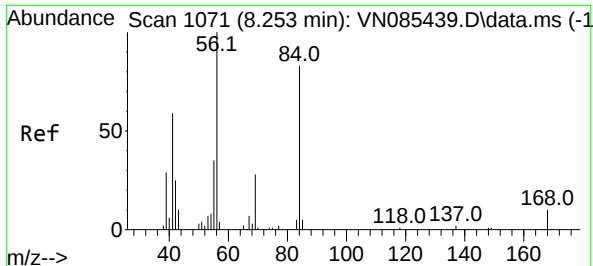
Tgt Ion: 42 Resp: 3958
Ion Ratio Lower Upper
42 100
72 38.2 34.2 51.2
71 39.4 32.5 48.7



#30
Chloroform
Concen: 0.480 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

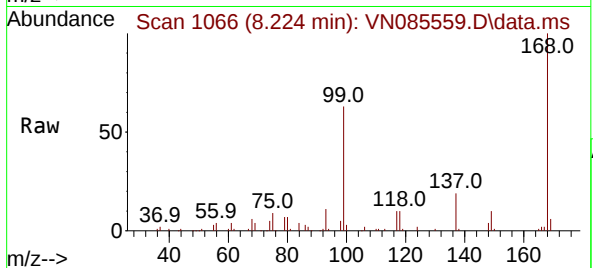
Tgt Ion: 83 Resp: 1874
Ion Ratio Lower Upper
83 100
85 50.8 51.8 77.6#



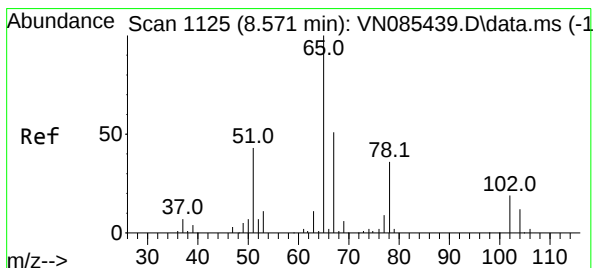
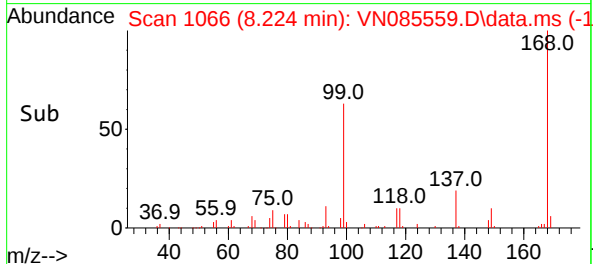
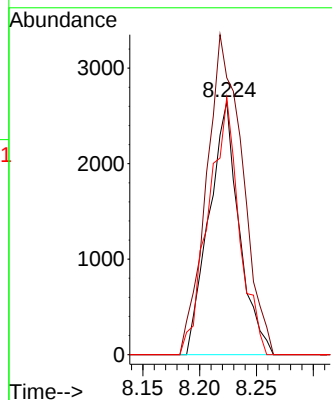


#31
Cyclohexane
Concen: 1.493 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

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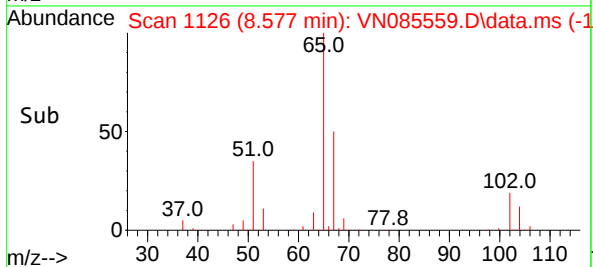
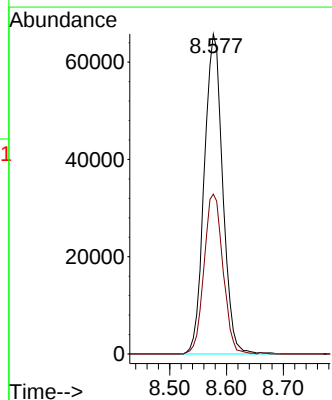
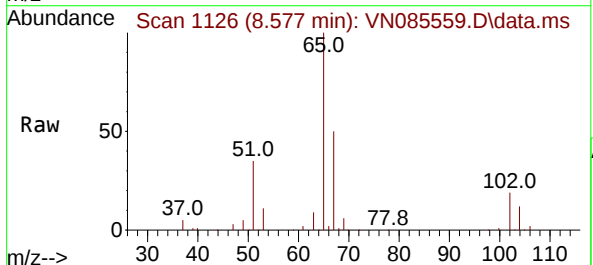


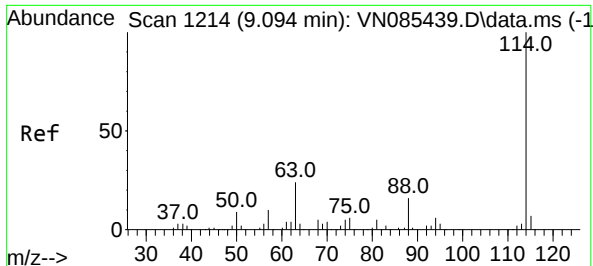
Tgt Ion: 56 Resp: 4898
Ion Ratio Lower Upper
56 100
69 109.5 22.2 33.4#
84 101.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.312 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Tgt Ion: 65 Resp: 148132
Ion Ratio Lower Upper
65 100
67 51.2 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: VN085559.D

Acq: 29 Jan 2025 15:53

Instrument :

MSVOA_N

ClientSampleId :

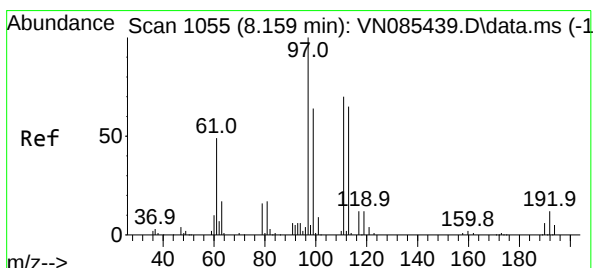
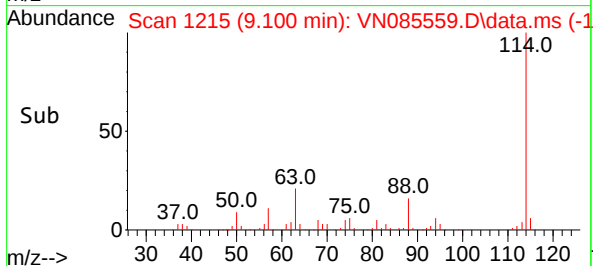
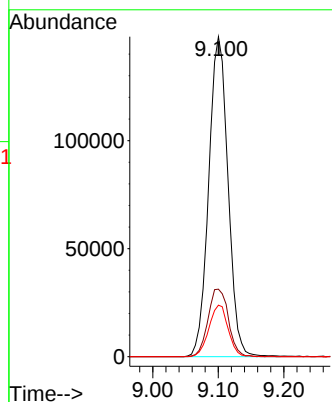
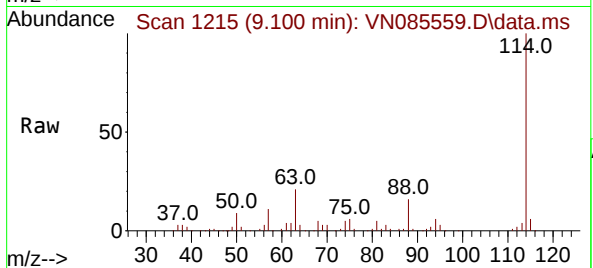
Tgt Ion:114 Resp: 302819

Ion Ratio Lower Upper

114 100

63 21.1 0.0 47.6

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.849 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085559.D

Acq: 29 Jan 2025 15:53

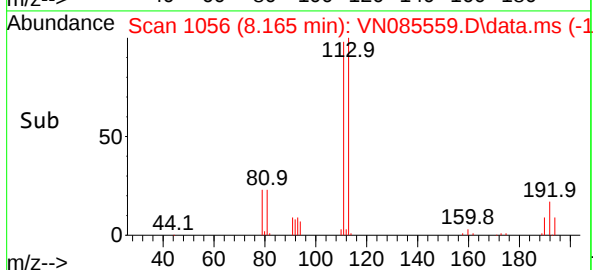
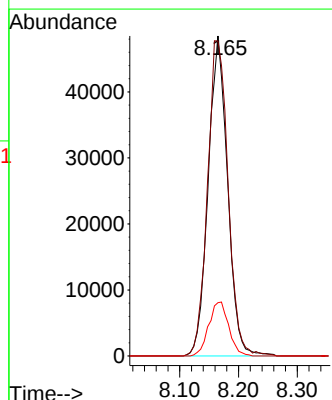
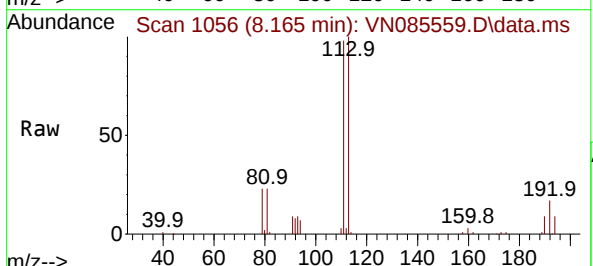
Tgt Ion:113 Resp: 111026

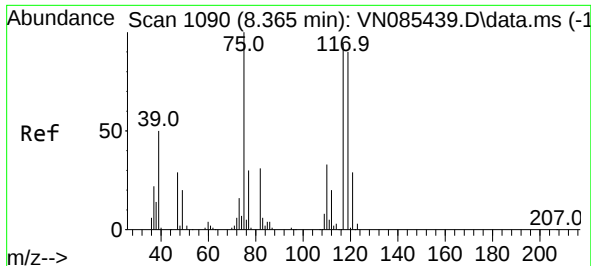
Ion Ratio Lower Upper

113 100

111 104.7 82.7 124.1

192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.133 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

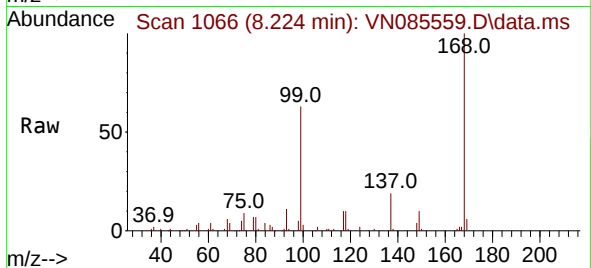
Lab File: VN085559.D

Acq: 29 Jan 2025 15:53

Instrument :

MSVOA_N

ClientSampleId :



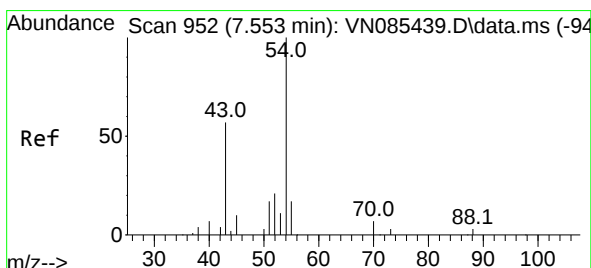
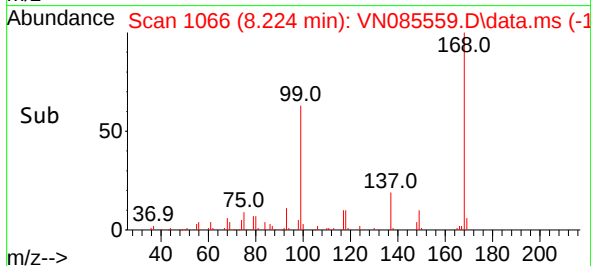
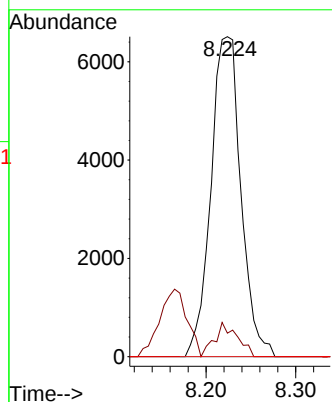
Tgt Ion: 75 Resp: 15133

Ion Ratio Lower Upper

75 100

110 8.0 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.116 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN085559.D

Acq: 29 Jan 2025 15:53

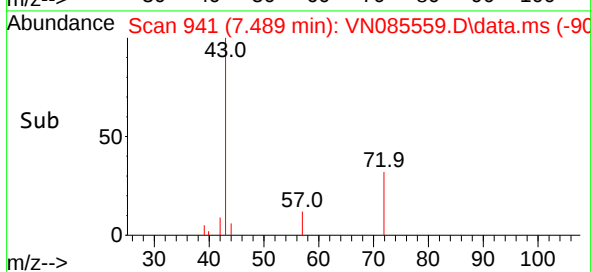
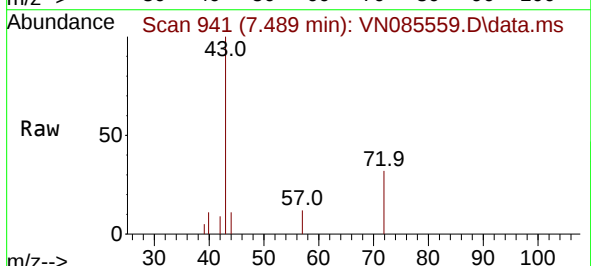
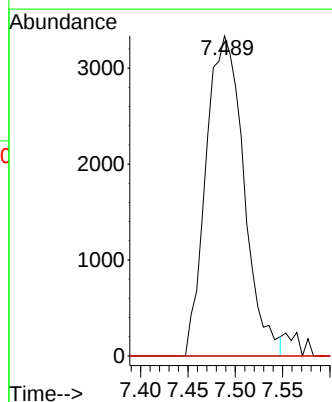
Tgt Ion: 43 Resp: 9272

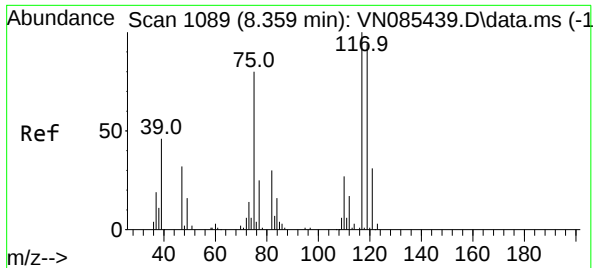
Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

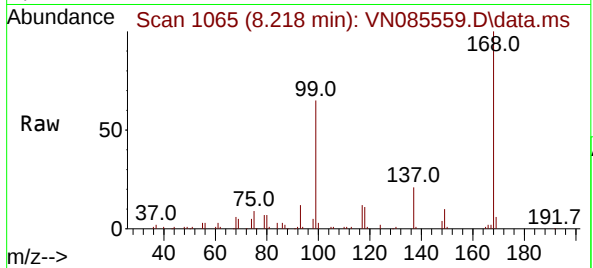
70 0.0 7.5 11.3#



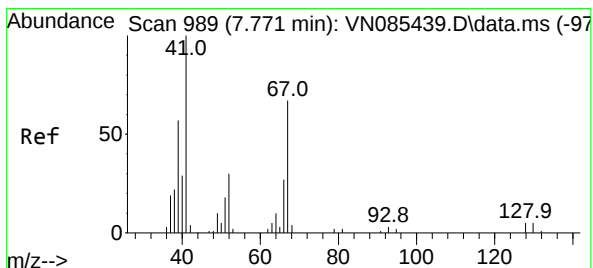
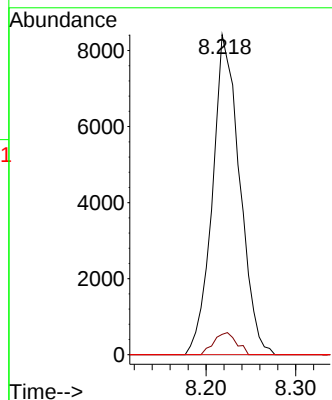
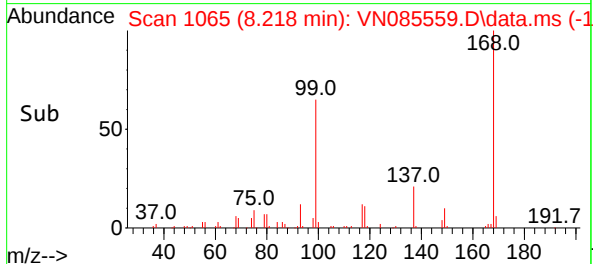


#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 8.218 min Scan# 1001
Delta R.T. -0.141 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

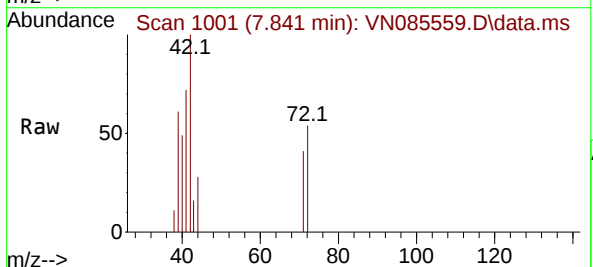
Instrument :
MSVOA_N
ClientSampleId :



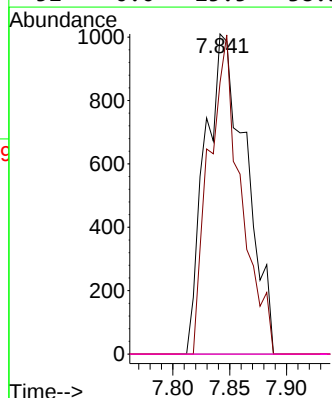
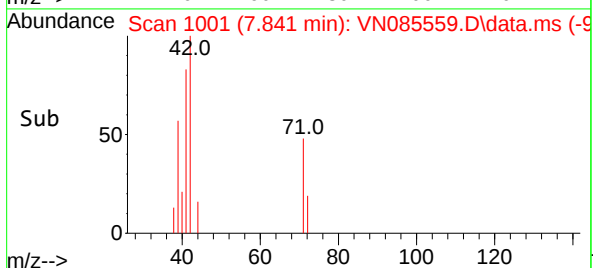
Tgt Ion:117 Resp: 17778
Ion Ratio Lower Upper
117 100
119 6.3 75.4 113.2#
121 0.0 24.6 37.0#

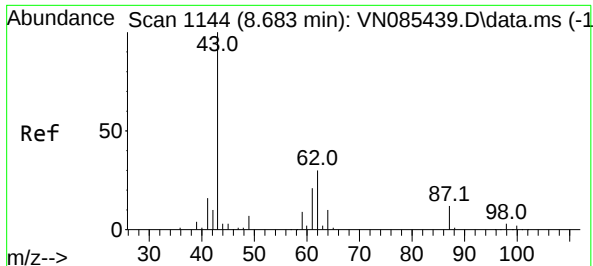


#41
Methacrylonitrile
Concen: 1.637 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.071 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53



Tgt Ion: 41 Resp: 2535
Ion Ratio Lower Upper
41 100
39 78.0 46.0 69.0#
67 0.0 57.4 86.2#
52 0.0 25.5 38.3#





#43

Isopropyl Acetate

Concen: 4.896 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085559.D

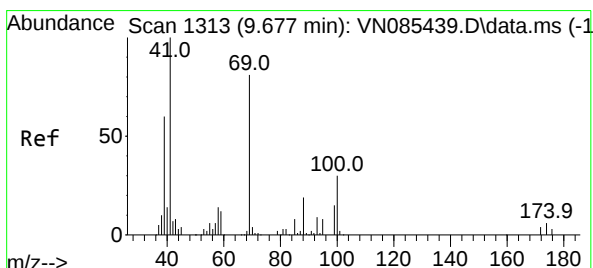
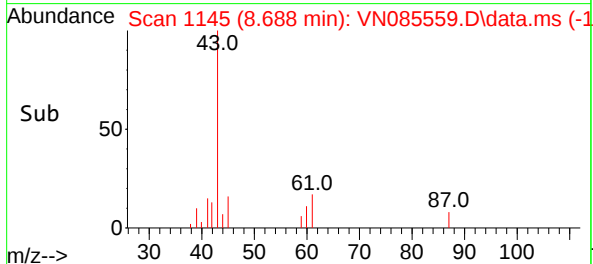
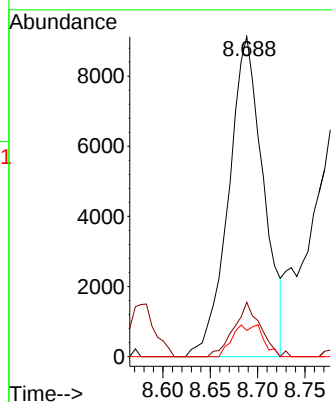
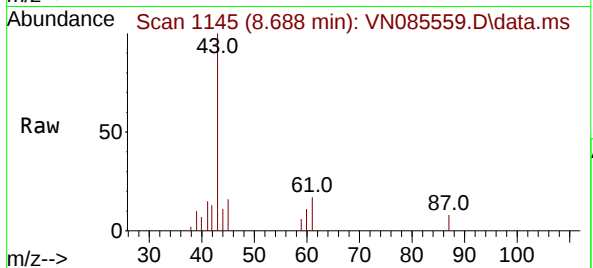
Acq: 29 Jan 2025 15:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	23346
Ion	Ratio	Lower	Upper
43	100		
61	13.0	20.7	31.1#
87	8.7	9.8	14.8#



#48

Methyl methacrylate

Concen: 1.418 ug/l

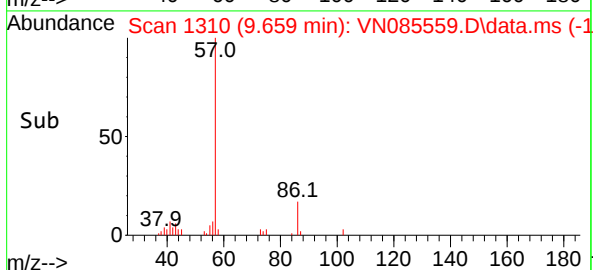
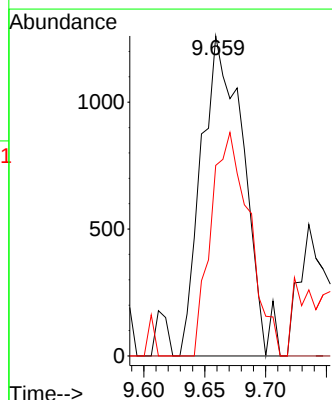
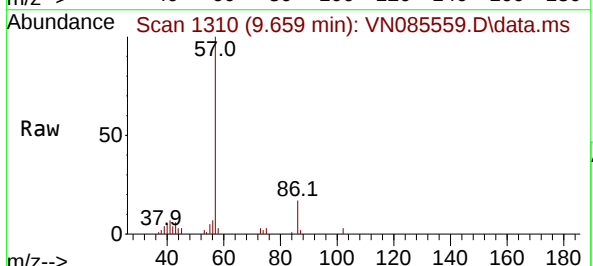
RT: 9.659 min Scan# 1310

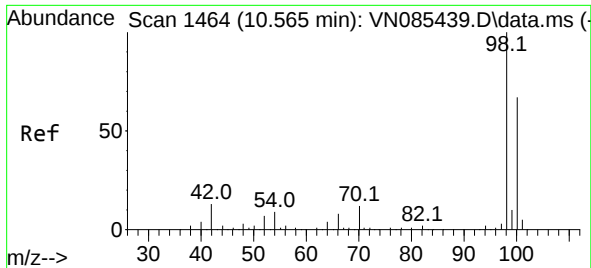
Delta R.T. -0.018 min

Lab File: VN085559.D

Acq: 29 Jan 2025 15:53

Tgt Ion:	41	Resp:	3043
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.7	97.1#
39	63.8	49.0	73.6

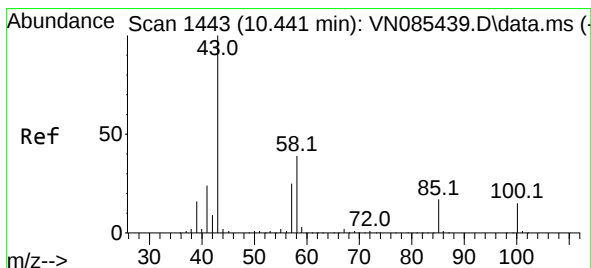
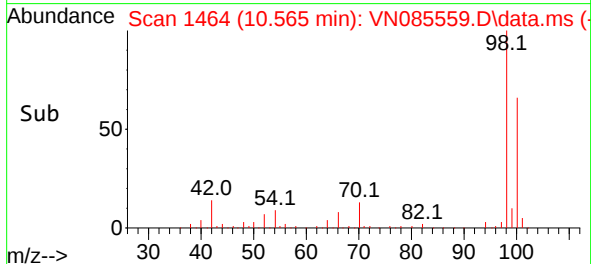
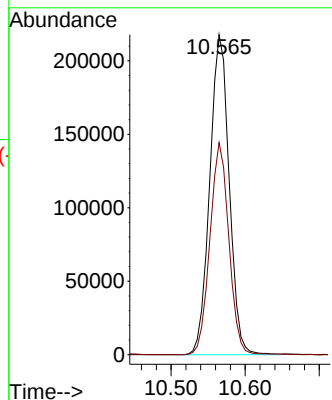
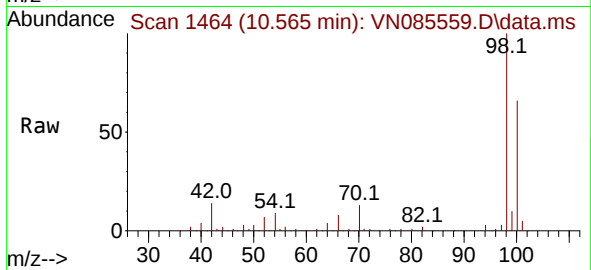




#50
Toluene-d8
Concen: 53.065 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

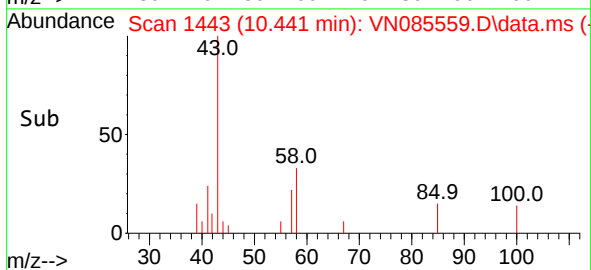
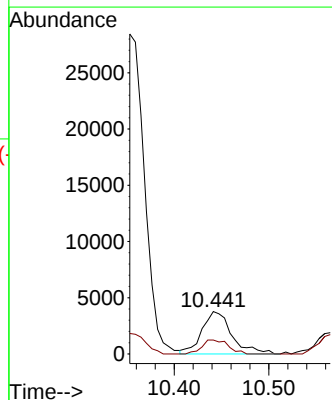
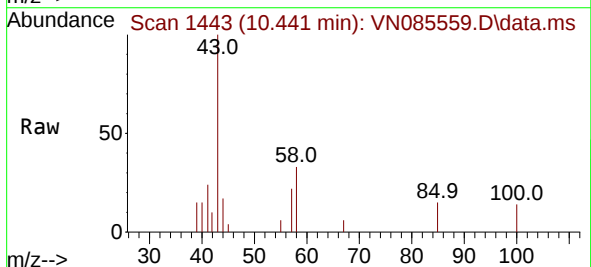
Instrument :
MSVOA_N
ClientSampleId :

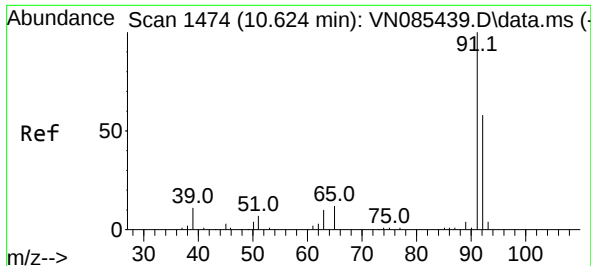
Tgt Ion: 98 Resp: 396088
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.989 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Tgt Ion: 43 Resp: 8272
Ion Ratio Lower Upper
43 100
58 29.0 30.5 45.7#

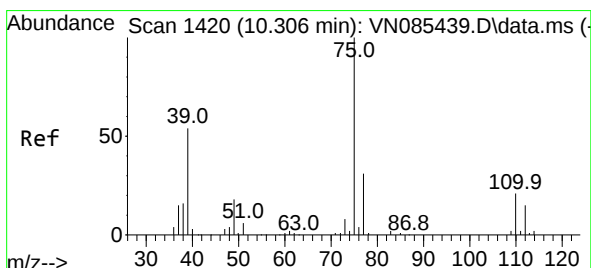
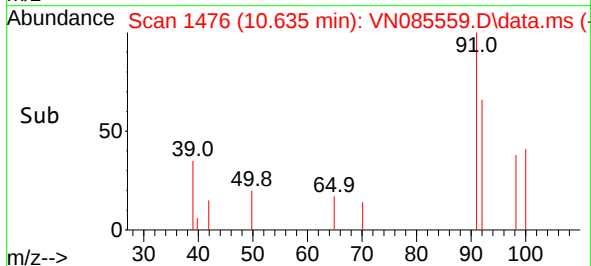
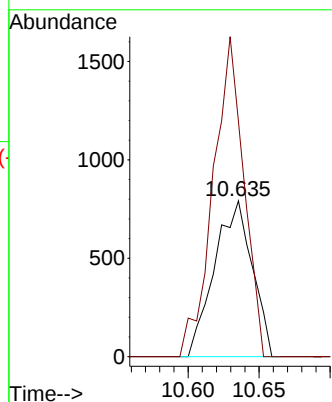
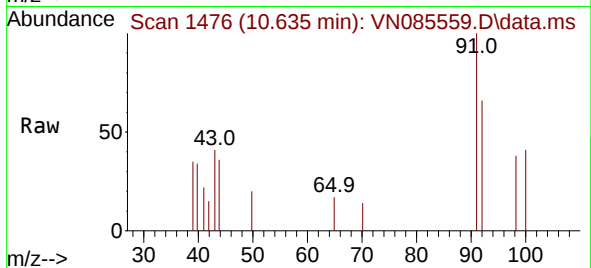




#52
Toluene
Concen: 0.285 ug/l
RT: 10.635 min Scan# 1474
Delta R.T. 0.011 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

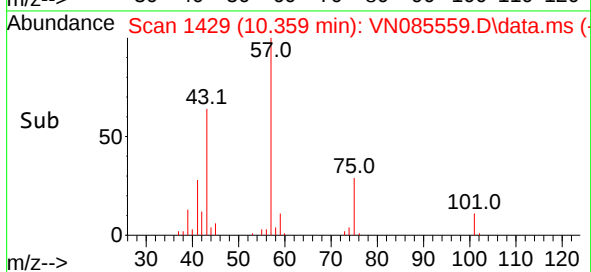
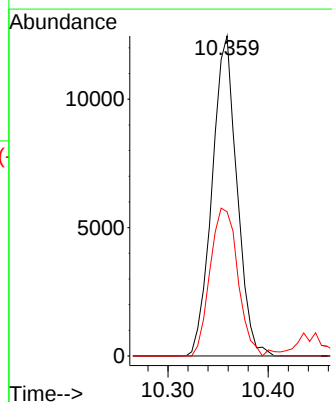
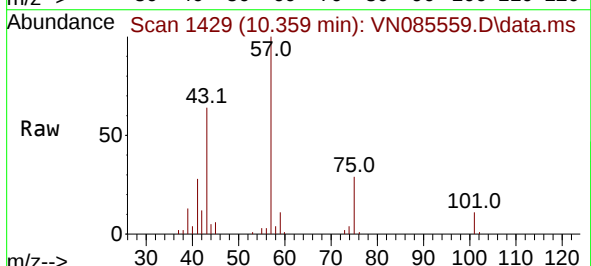
Instrument :
MSVOA_N
ClientSampleId :

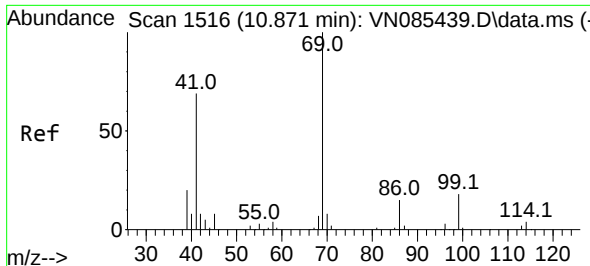
Tgt Ion: 92 Resp: 1465
Ion Ratio Lower Upper
92 100
91 166.8 139.2 208.8



#54
cis-1,3-Dichloropropene
Concen: 6.392 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Tgt Ion: 75 Resp: 21463
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 45.0 43.1 64.7

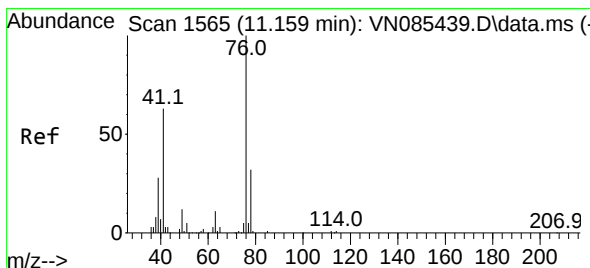
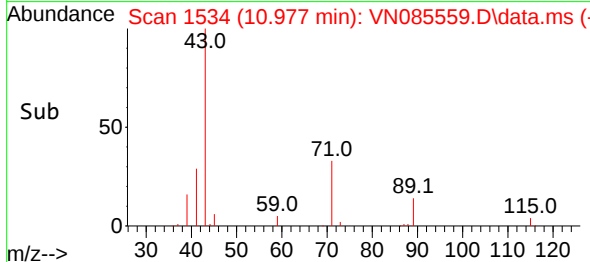
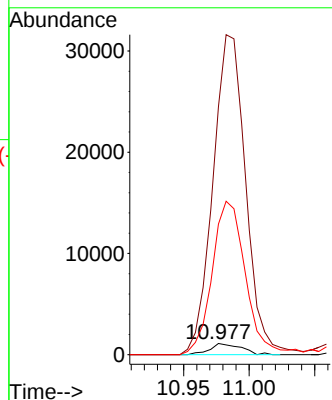
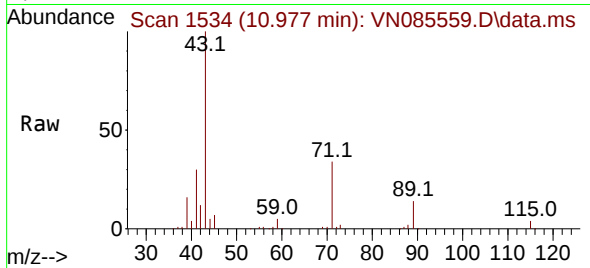




#56
Ethyl methacrylate
Concen: 2.445 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

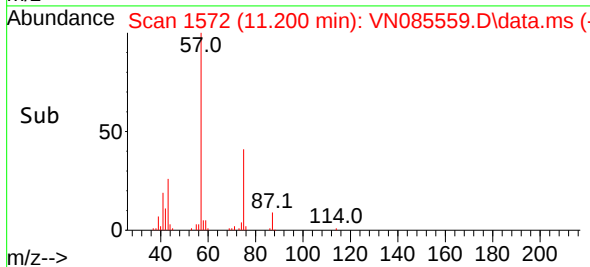
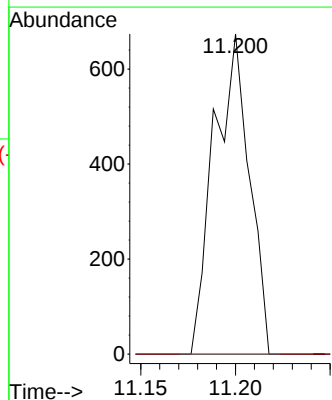
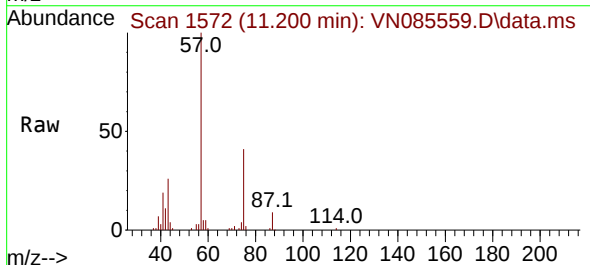
Instrument :
MSVOA_N
ClientSampleId :

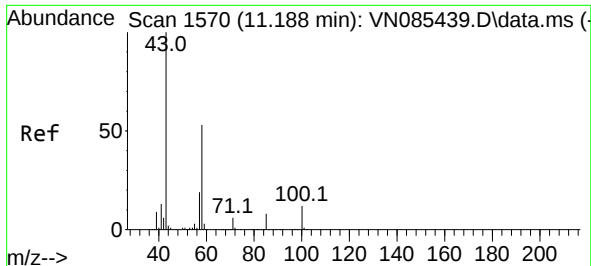
Tgt Ion: 69 Resp: 1830
Ion Ratio Lower Upper
69 100
41 3008.4 54.6 82.0#
39 1469.0 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 0.247 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Tgt Ion: 76 Resp: 874
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

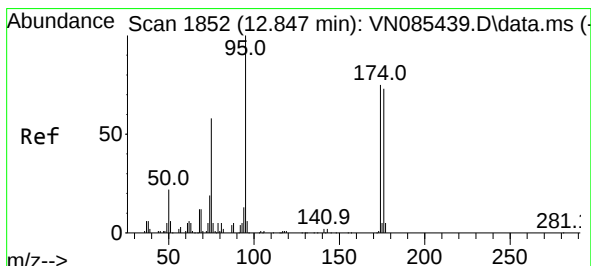
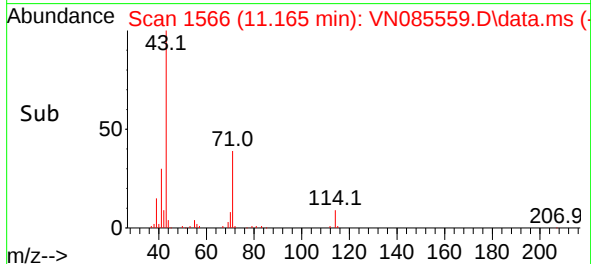
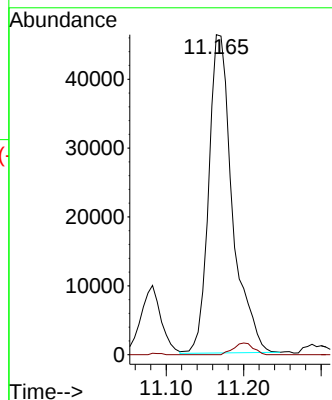
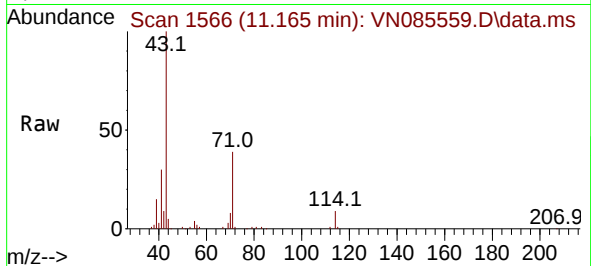




#59
2-Hexanone
Concen: 50.424 ug/l
RT: 11.165 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

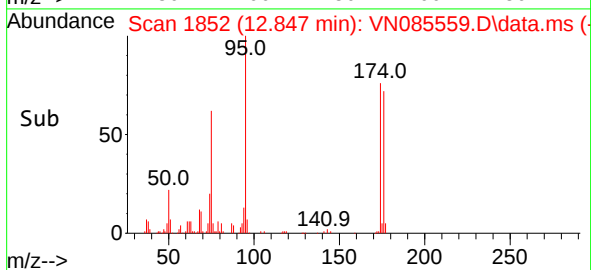
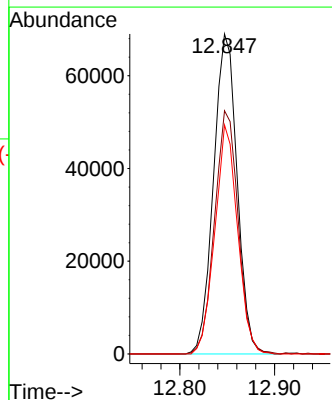
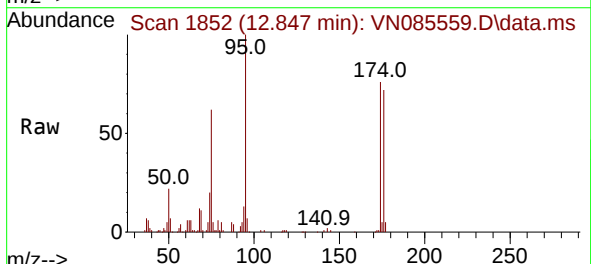
Instrument :
MSVOA_N
ClientSampleId :

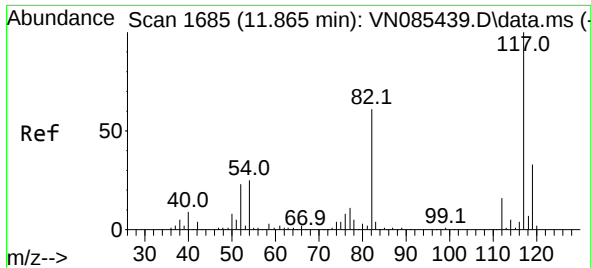
Tgt Ion: 43 Resp: 98179
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.645 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Tgt Ion: 95 Resp: 119098
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.0
176 69.2 0.0 142.4

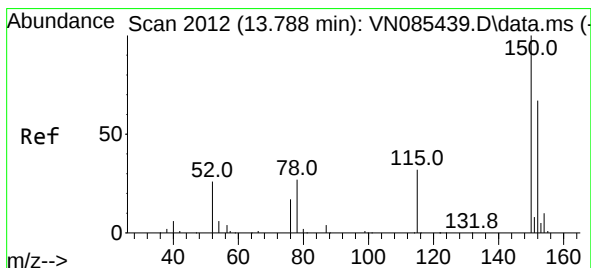
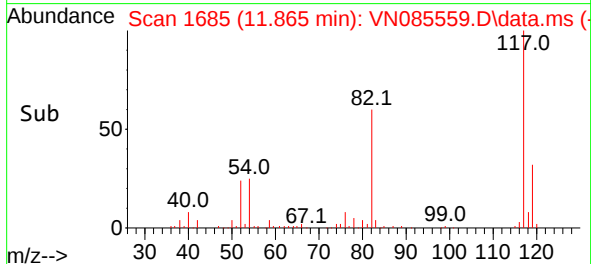
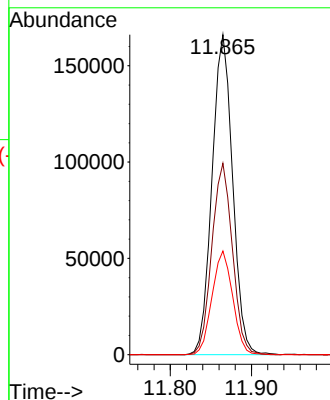
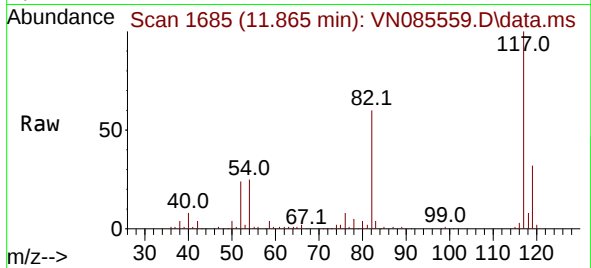




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

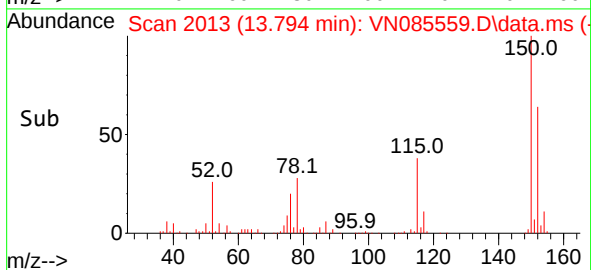
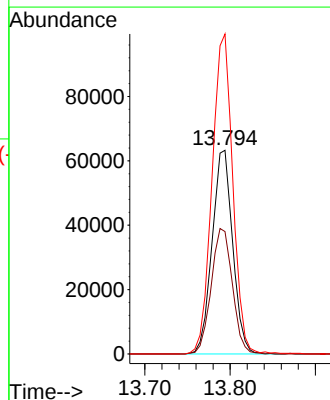
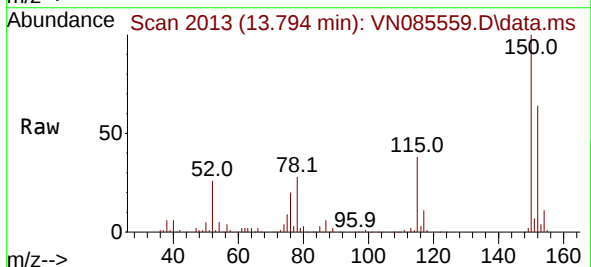
Instrument :
MSVOA_N
ClientSampleId :

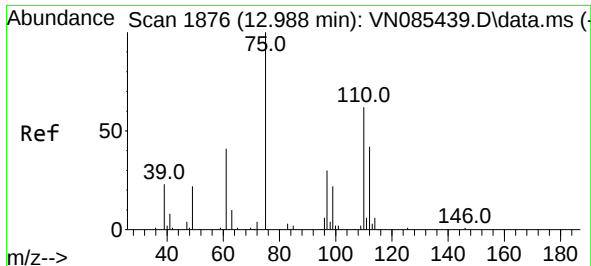
Tgt Ion:117 Resp: 292646
Ion Ratio Lower Upper
117 100
82 59.8 48.6 72.8
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

Tgt Ion:152 Resp: 106369
Ion Ratio Lower Upper
152 100
115 63.2 31.1 93.3
150 157.6 0.0 343.6

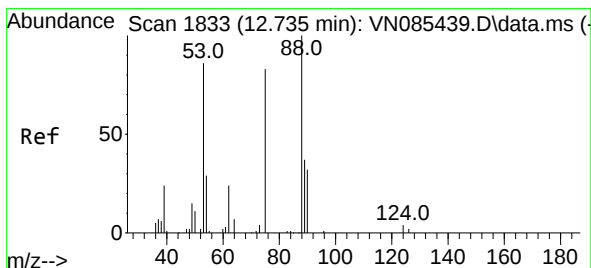
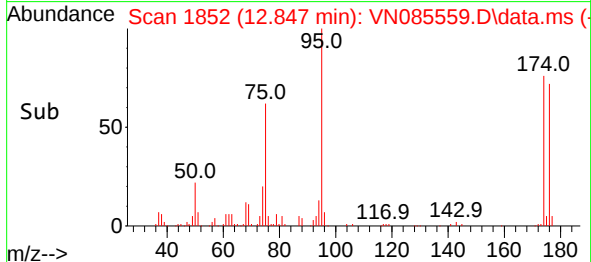
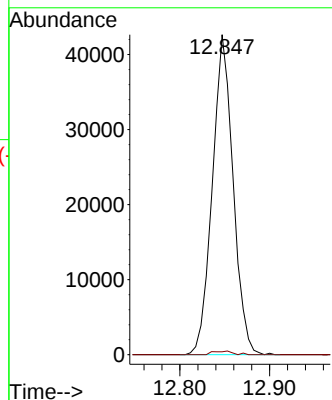
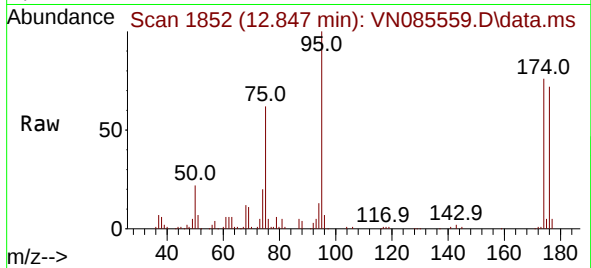




#76
1,2,3-Trichloropropane
Concen: 31.711 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

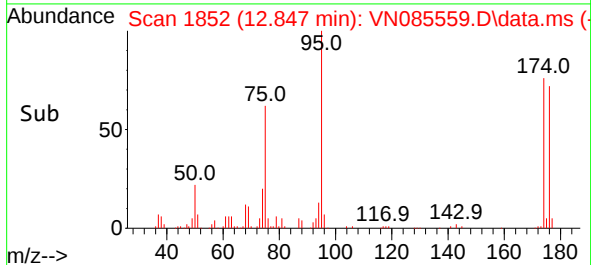
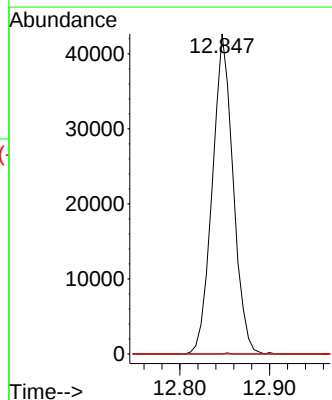
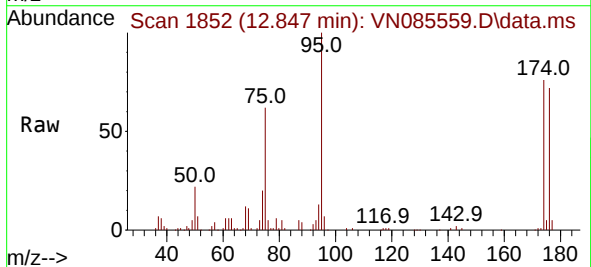
Instrument :
MSVOA_N
ClientSampleId :

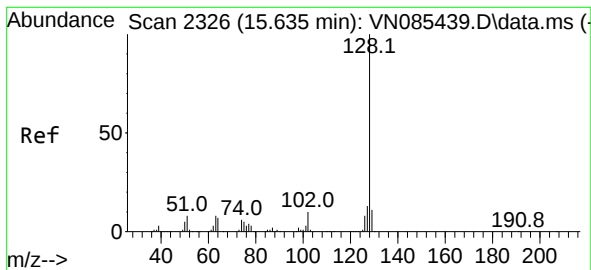
Tgt Ion: 75 Resp: 68559
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085559.D
Acq: 29 Jan 2025 15:53

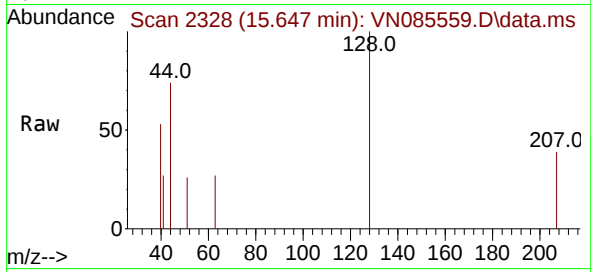
Tgt Ion: 75 Resp: 68559
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#





#95
 Naphthalene
 Concen: 0.269 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085559.D
 Acq: 29 Jan 2025 15:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	1287
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.8	13.2#

