

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011525\
 Data File : VN085459.D
 Acq On : 15 Jan 2025 14:13
 Operator : JC\MD
 Sample : PB166029ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

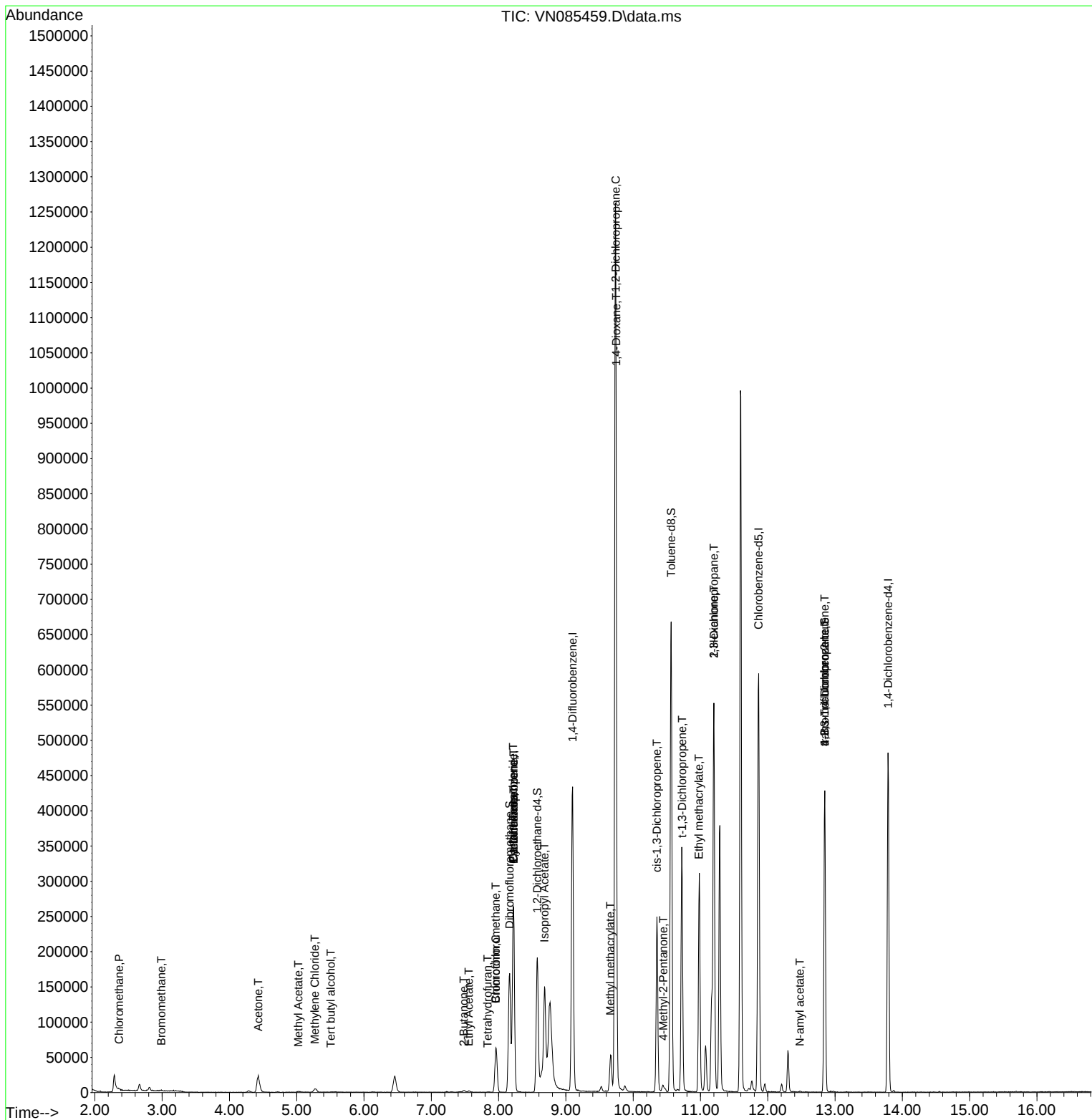
Quant Time: Jan 16 00:58:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

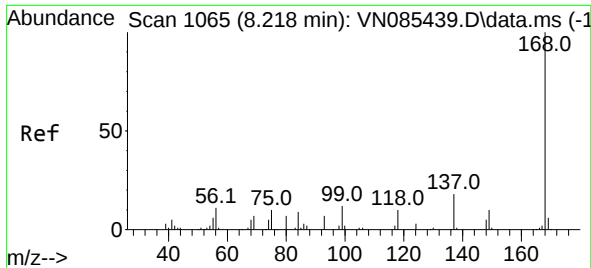
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	180587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	355738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160959	55.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.440%			
35) Dibromofluoromethane	8.165	113	120299	48.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.480%			
50) Toluene-d8	10.565	98	447097	50.989	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.847	95	138891	46.305	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.600%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	576	0.218	ug/l #	41
5) Bromomethane	2.989	94	452	0.281	ug/l #	62
11) Tert butyl alcohol	5.506	59	197	0.590	ug/l #	71
16) Acetone	4.430	43	44214	46.942	ug/l	98
18) Methyl Acetate	5.024	43	2418	0.844	ug/l #	80
20) Methylene Chloride	5.271	84	3933	1.687	ug/l #	88
25) 2-Butanone	7.483	43	4805	3.467	ug/l #	87
28) Bromochloromethane	7.959	49	5221	2.637	ug/l #	18
29) Tetrahydrofuran	7.835	42	478	0.544	ug/l #	34
30) Chloroform	7.959	83	60373	13.724	ug/l	99
31) Cyclohexane	8.224	56	5473	1.479	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	16983	4.903	ug/l #	52
37) Ethyl Acetate	7.559	43	3796	1.086	ug/l #	73
38) Carbon Tetrachloride	8.218	117	20082	5.064	ug/l #	18
43) Isopropyl Acetate	8.682	43	199530	35.618	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1315	0.495	ug/l #	43
48) Methyl methacrylate	9.659	41	3922	1.556	ug/l #	46
49) 1,4-Dioxane	9.747	88	189	4.452	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	10923	3.360	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	770	0.209	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	39678	10.058	ug/l #	68
56) Ethyl methacrylate	10.976	69	1687	2.335	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5214	1.257	ug/l #	43
59) 2-Hexanone	11.200	43	65437	28.608	ug/l #	61
74) N-amyl acetate	12.476	43	972	0.258	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78643	31.151	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78643	84.282	ug/l #	3

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

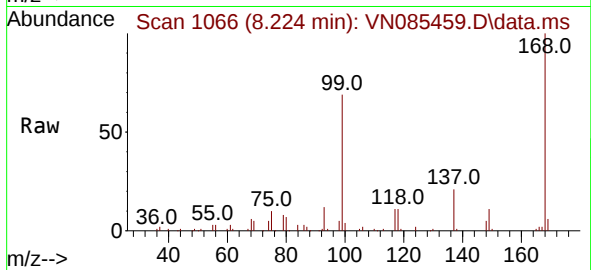
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



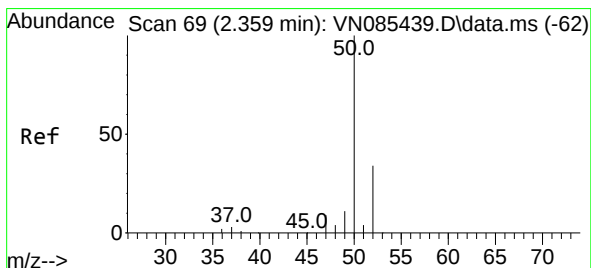
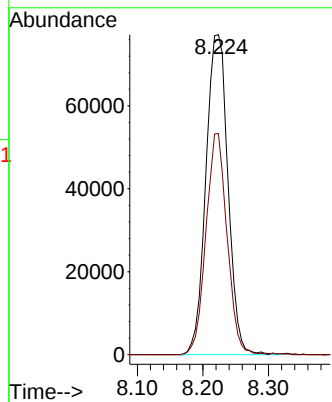
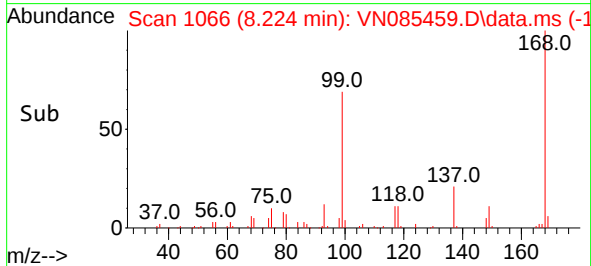


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :

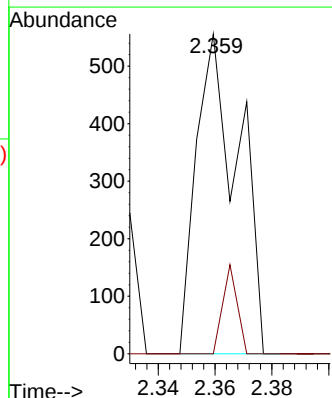
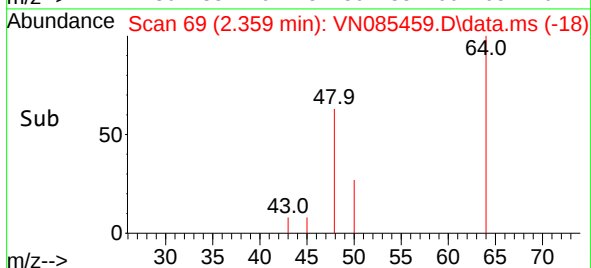
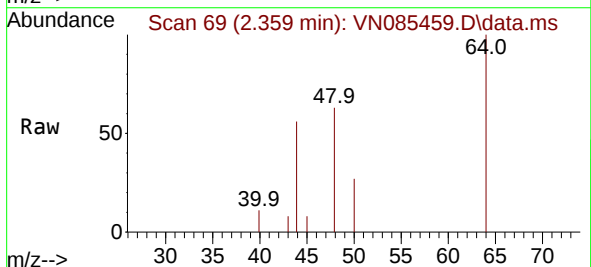


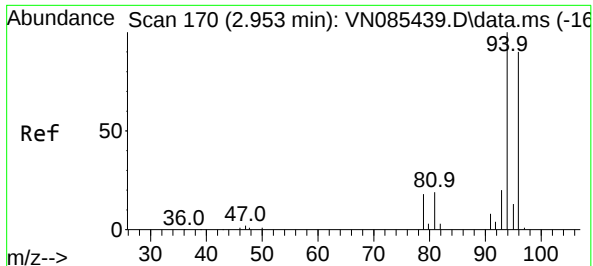
Tgt Ion:168 Resp: 180587
Ion Ratio Lower Upper
168 100
99 69.1 53.6 80.4



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

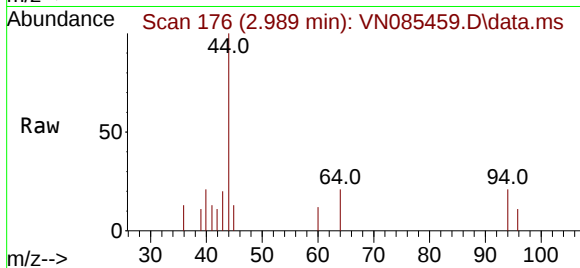
Tgt Ion: 50 Resp: 576
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



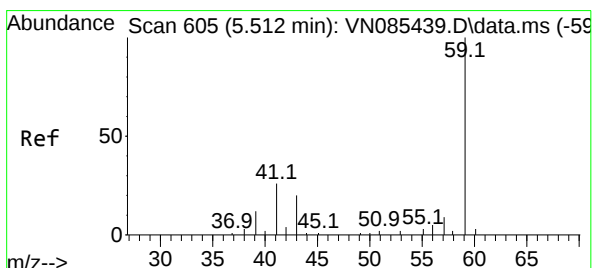
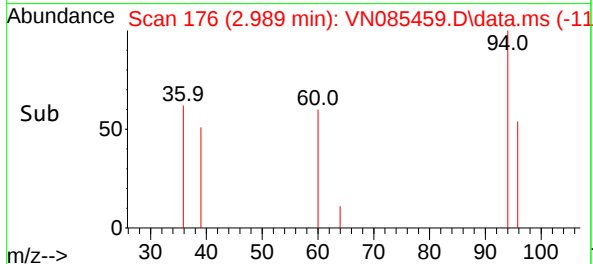
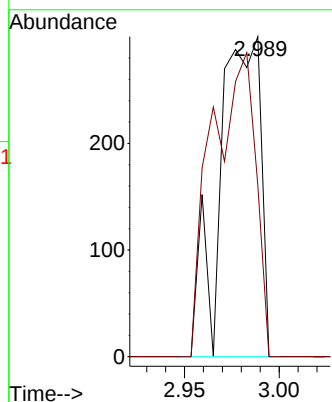


#5
Bromomethane
Concen: 0.281 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :

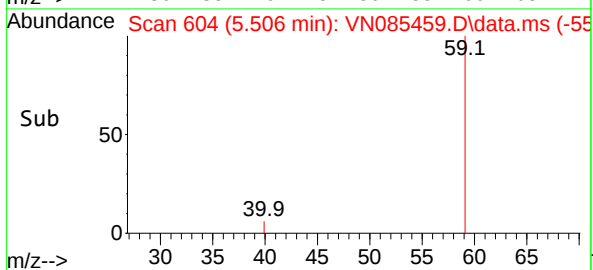
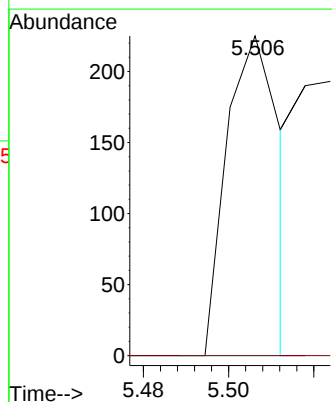
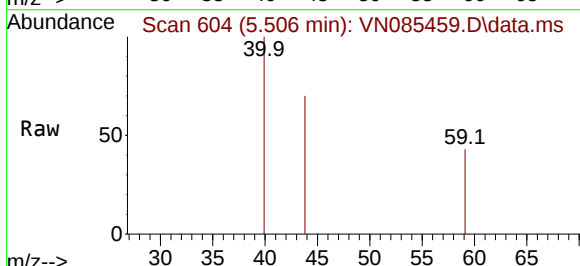


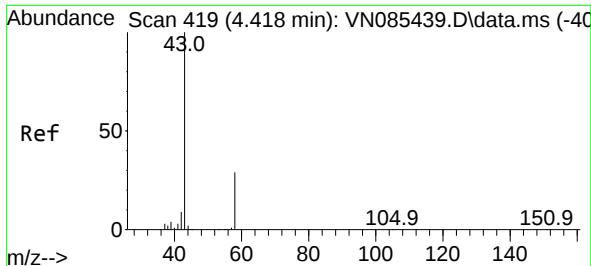
Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 53.7 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.590 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

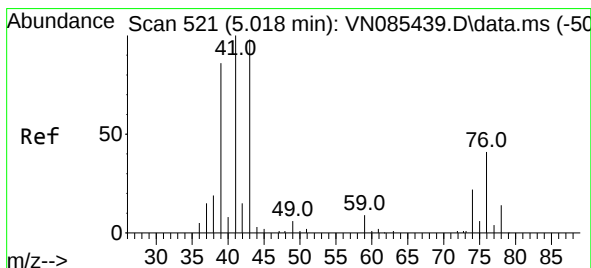
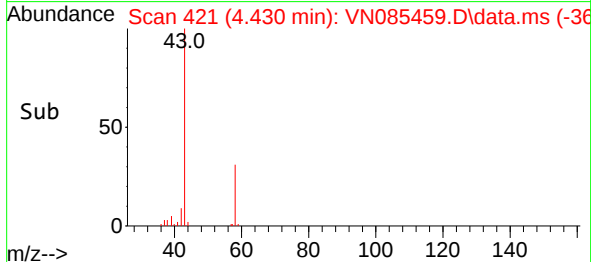
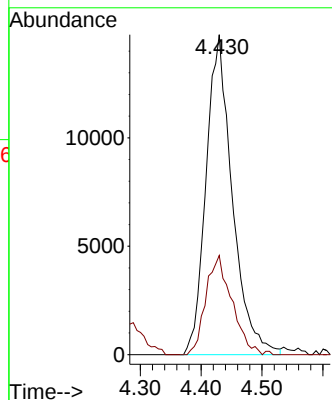
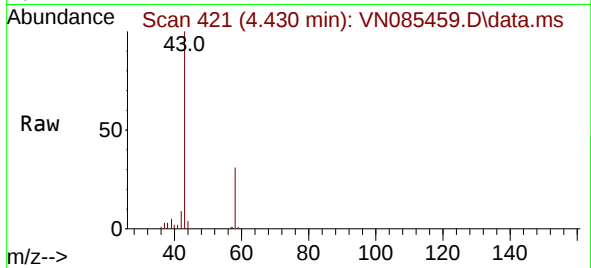




#16
Acetone
Concen: 46.942 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

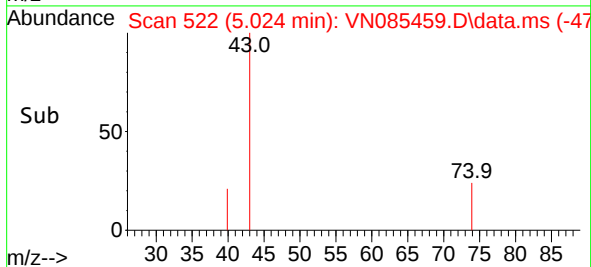
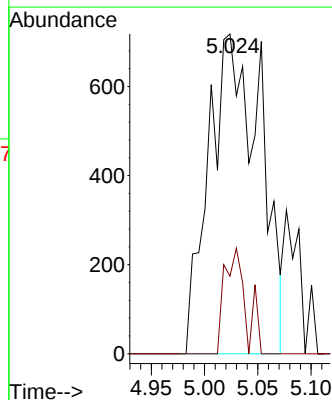
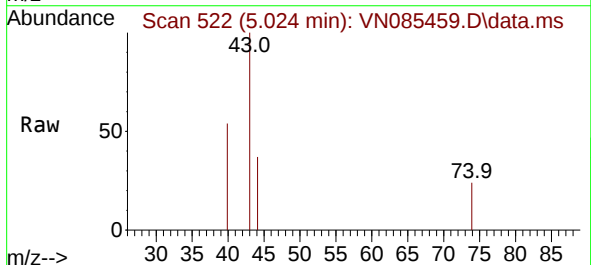
Instrument :
MSVOA_N
ClientSampleId :

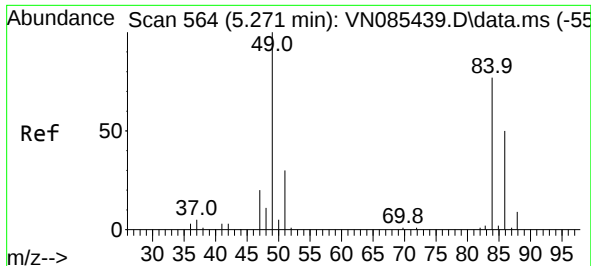
Tgt Ion: 43 Resp: 44214
Ion Ratio Lower Upper
43 100
58 31.0 23.8 35.6



#18
Methyl Acetate
Concen: 0.844 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

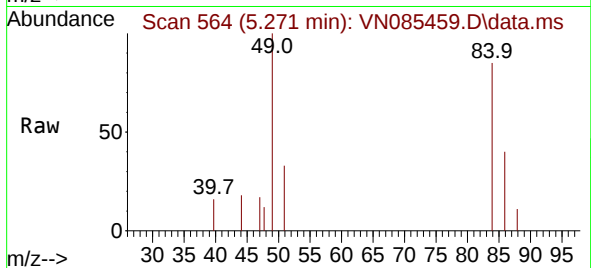
Tgt Ion: 43 Resp: 2418
Ion Ratio Lower Upper
43 100
74 13.5 18.6 28.0#





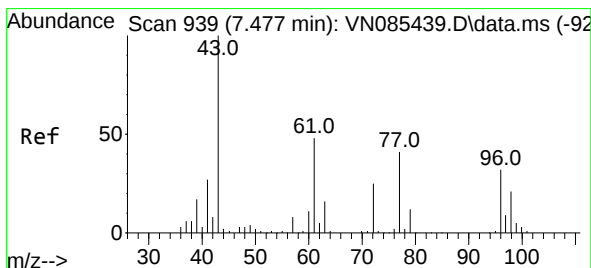
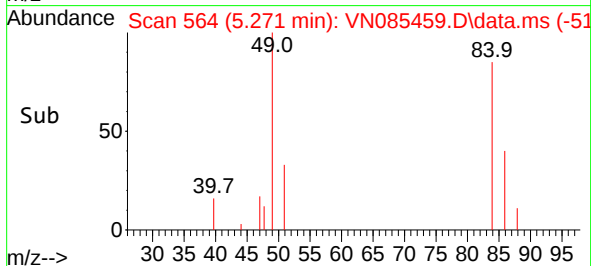
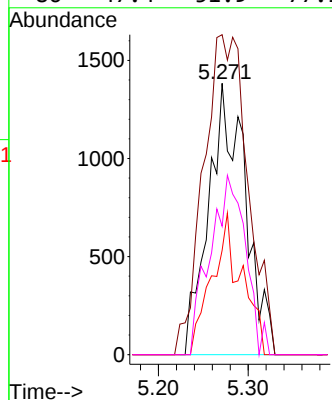
#20
Methylene Chloride
Concen: 1.687 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 3933

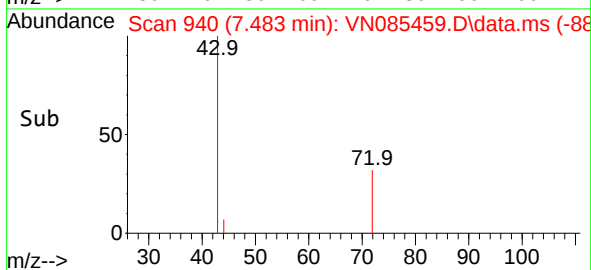
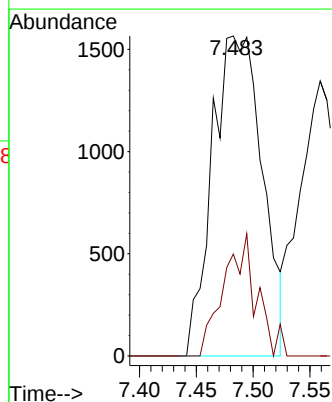
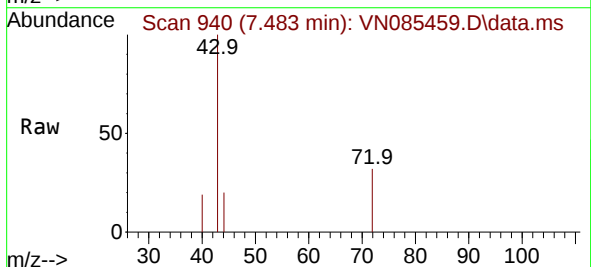
Ion	Ratio	Lower	Upper
84	100		
49	117.9	104.1	156.1
51	38.5	31.0	46.4
86	47.4	51.9	77.9

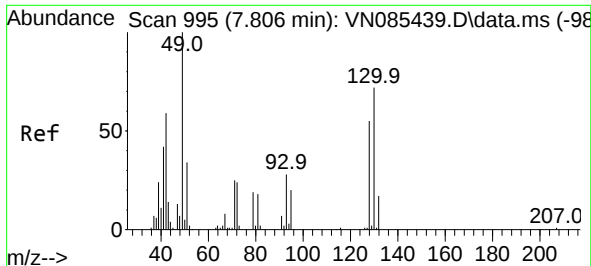


#25
2-Butanone
Concen: 3.467 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 43 Resp: 4805

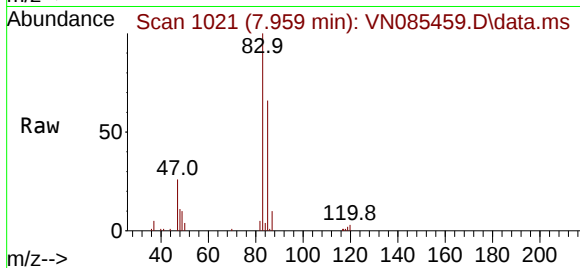
Ion	Ratio	Lower	Upper
43	100		
72	31.9	20.2	30.4



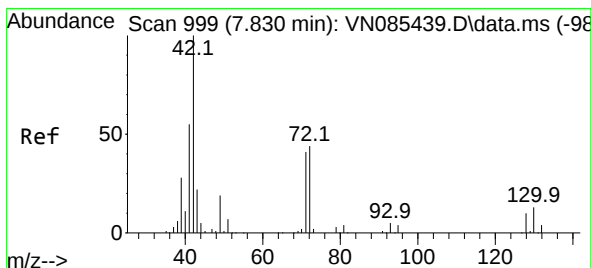
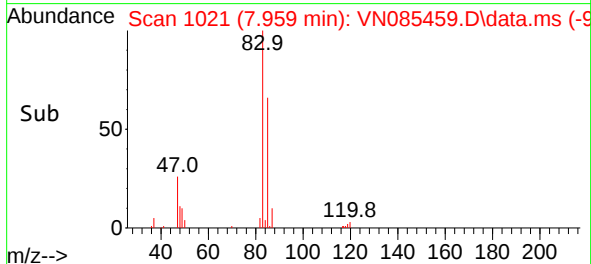
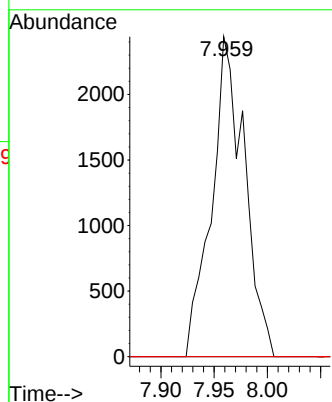


#28
Bromochloromethane
Concen: 2.637 ug/l
RT: 7.959 min Scan# 10
Delta R.T. 0.153 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :

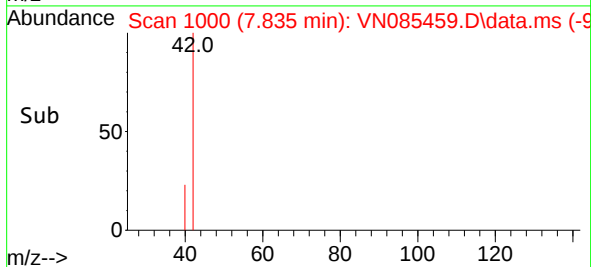
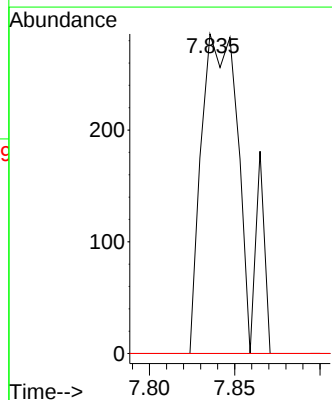
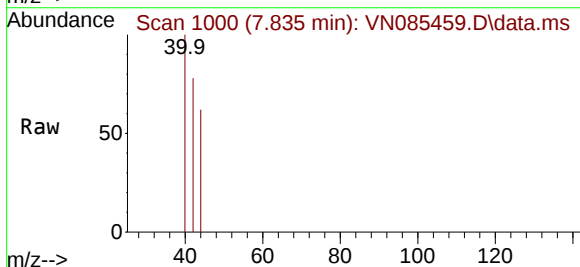


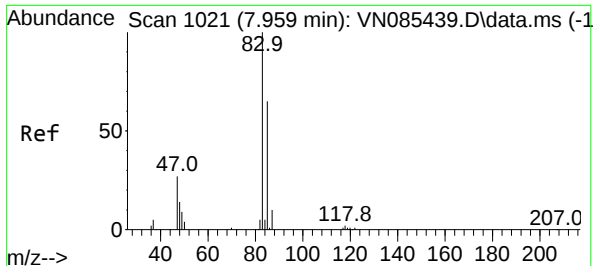
Tgt Ion: 49 Resp: 5221
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#



#29
Tetrahydrofuran
Concen: 0.544 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 42 Resp: 478
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#

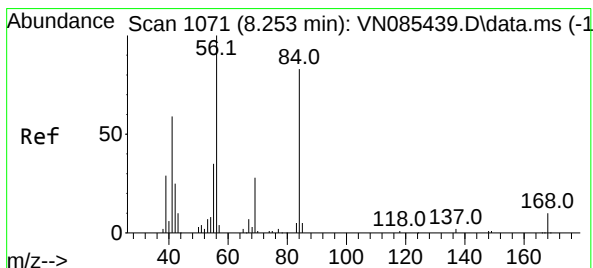
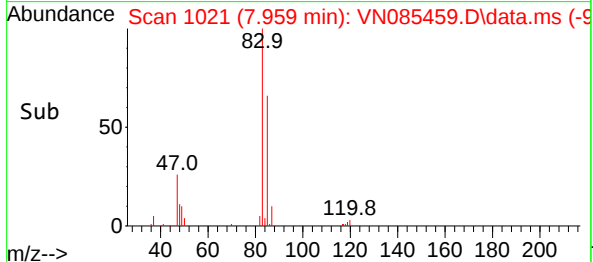
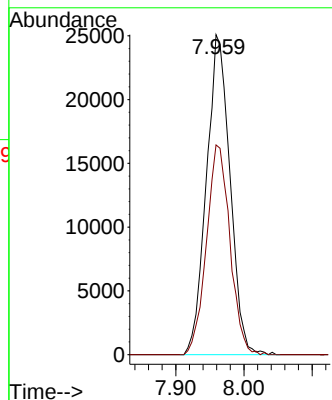
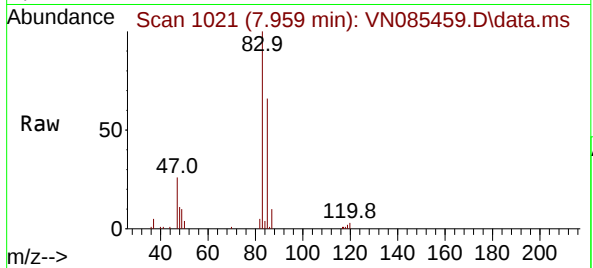




#30
Chloroform
Concen: 13.724 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

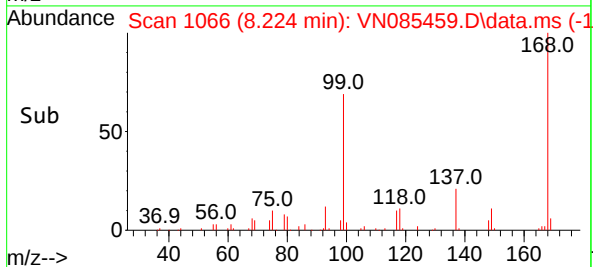
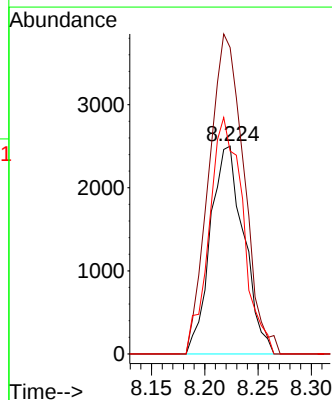
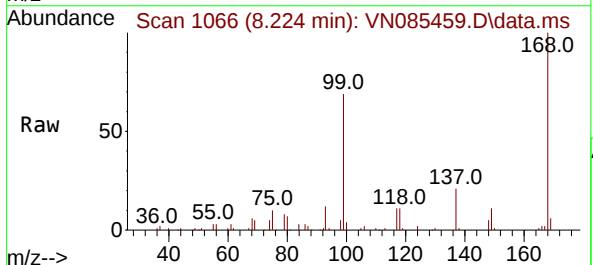
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ClientSampleId :

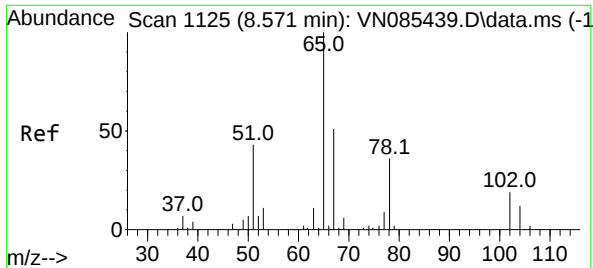
Tgt Ion: 83 Resp: 60373
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.6



#31
Cyclohexane
Concen: 1.479 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 56 Resp: 5473
Ion Ratio Lower Upper
56 100
69 147.4 22.2 33.4#
84 97.6 66.4 99.6

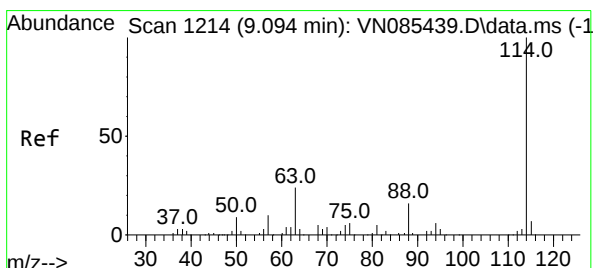
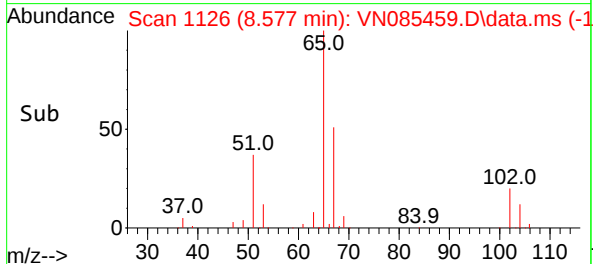
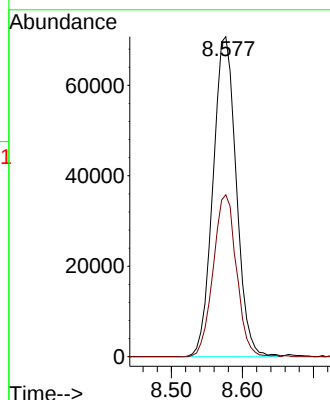
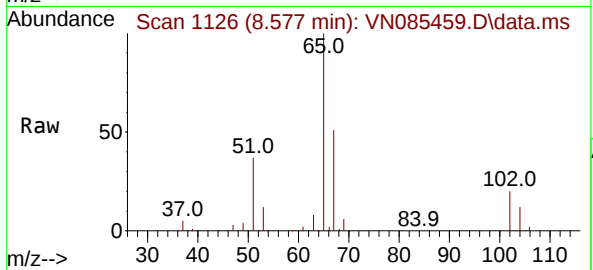




#33
 1,2-Dichloroethane-d4
 Concen: 55.217 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085459.D
 Acq: 15 Jan 2025 14:13

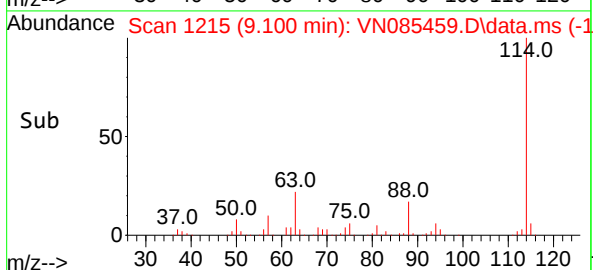
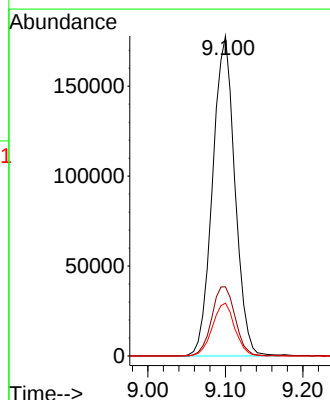
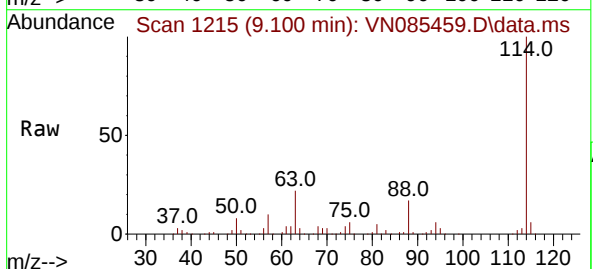
Instrument :
 MSVOA_N
 ClientSampleId :

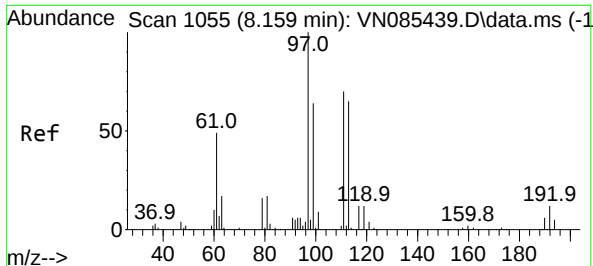
Tgt Ion: 65 Resp: 160959
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085459.D
 Acq: 15 Jan 2025 14:13

Tgt Ion: 114 Resp: 355738
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 47.6
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.745 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

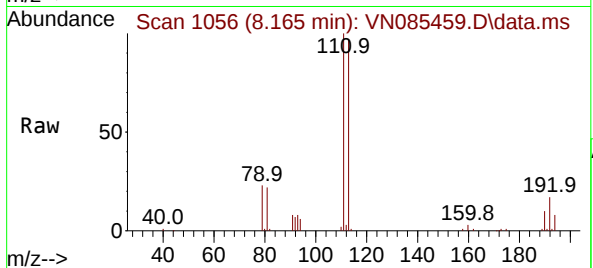
Lab File: VN085459.D

Acq: 15 Jan 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :



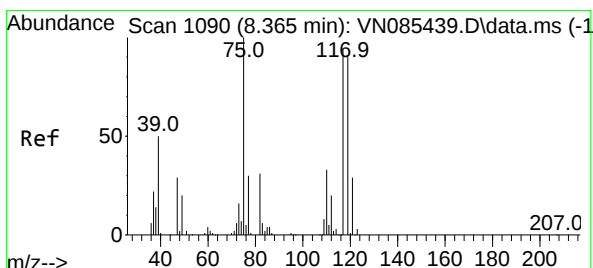
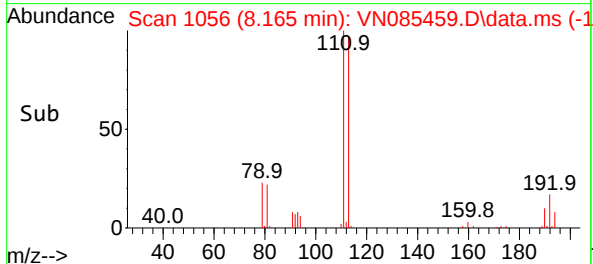
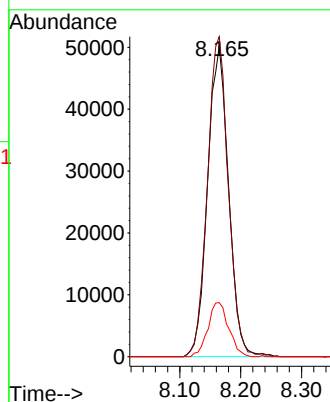
Tgt Ion:113 Resp: 120299

Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.903 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085459.D

Acq: 15 Jan 2025 14:13

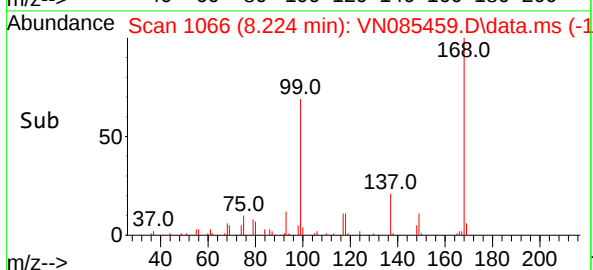
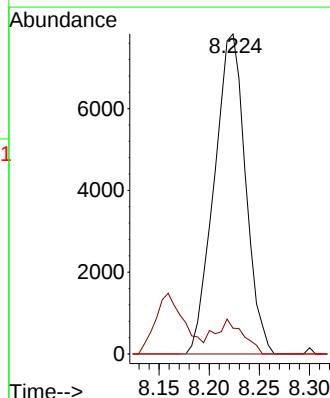
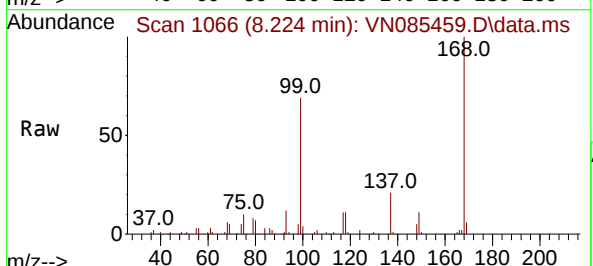
Tgt Ion: 75 Resp: 16983

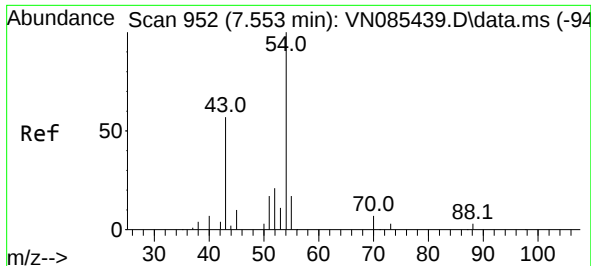
Ion Ratio Lower Upper

75 100

110 9.7 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.086 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

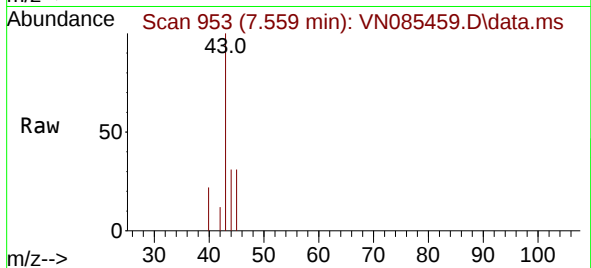
Lab File: VN085459.D

Acq: 15 Jan 2025 14:13

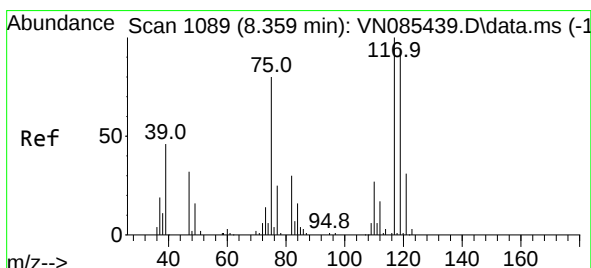
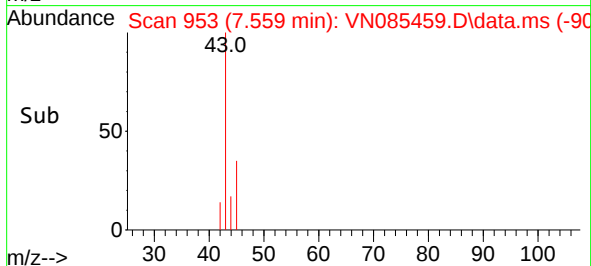
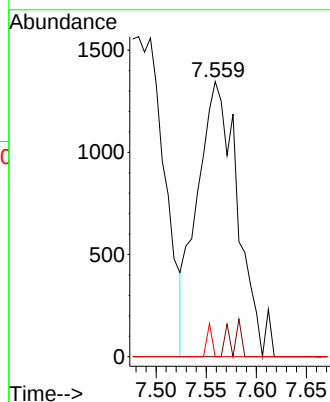
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	3796
Ion	Ratio	Lower Upper
43	100	
61	1.5	10.9 16.3#
70	1.5	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.064 ug/l

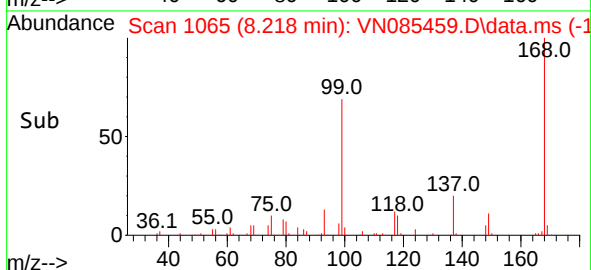
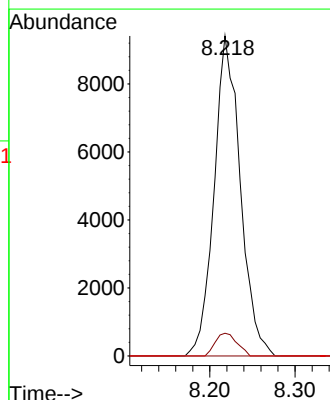
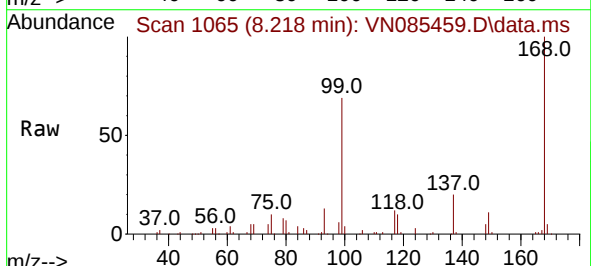
RT: 8.218 min Scan# 1065

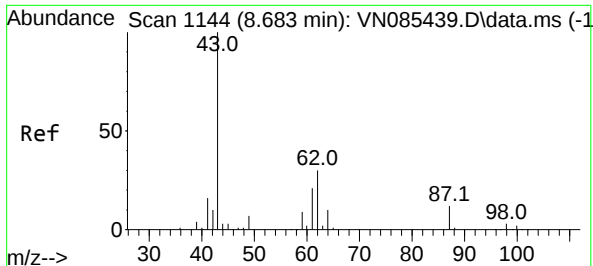
Delta R.T. -0.141 min

Lab File: VN085459.D

Acq: 15 Jan 2025 14:13

Tgt Ion: 117	Resp:	20082
Ion	Ratio	Lower Upper
117	100	
119	7.1	75.4 113.2#
121	0.0	24.6 37.0#

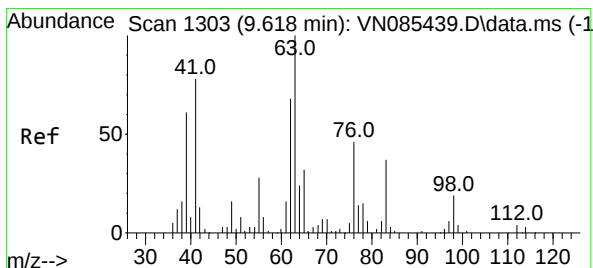
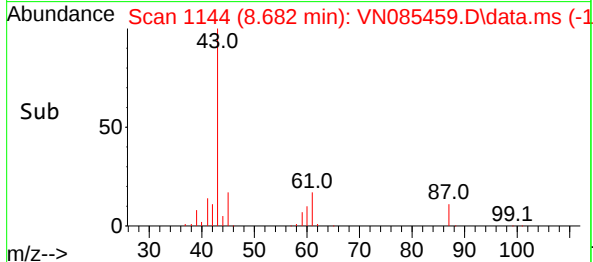
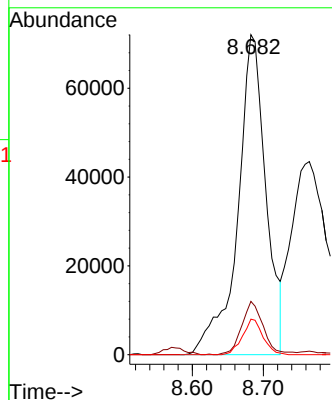
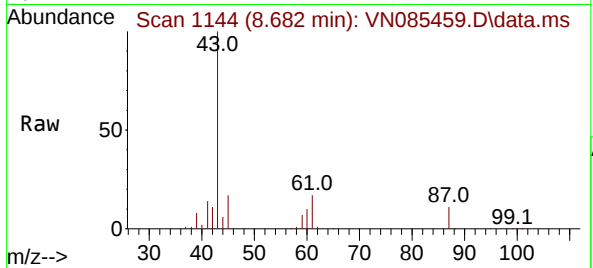




#43
Isopropyl Acetate
Concen: 35.618 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

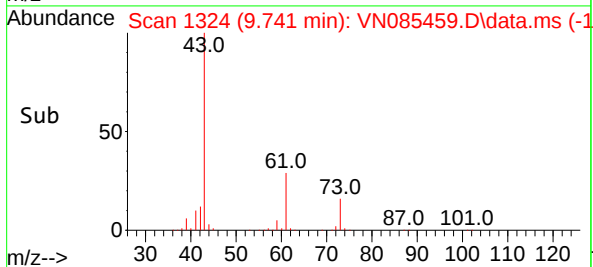
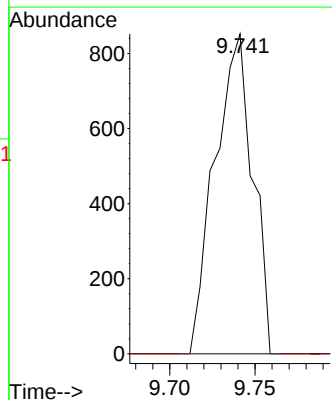
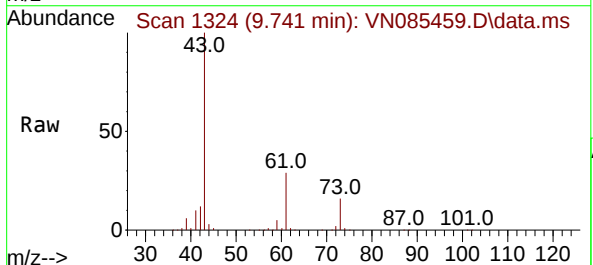
Instrument :
MSVOA_N
ClientSampleId :

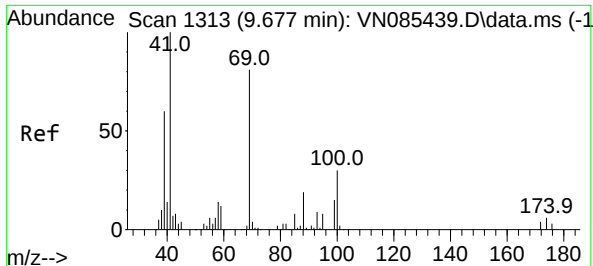
Tgt Ion: 43 Resp: 199530
Ion Ratio Lower Upper
43 100
61 12.8 20.7 31.1#
87 8.0 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.495 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

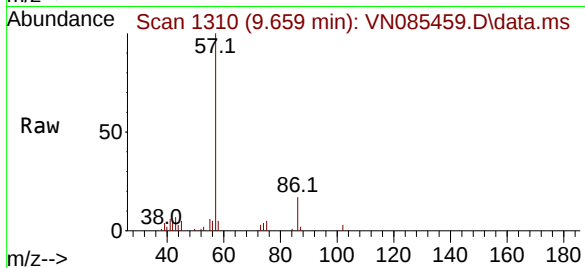
Tgt Ion: 63 Resp: 1315
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



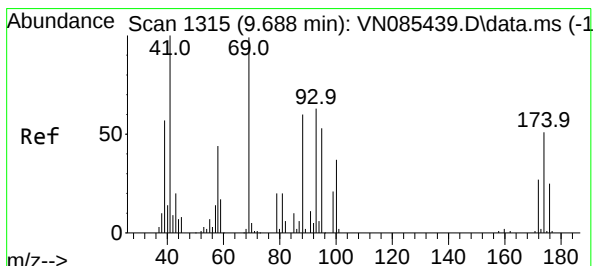
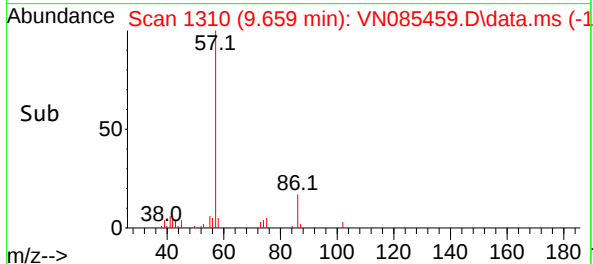
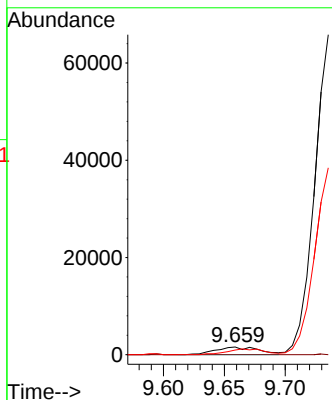


#48
Methyl methacrylate
Concen: 1.556 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :

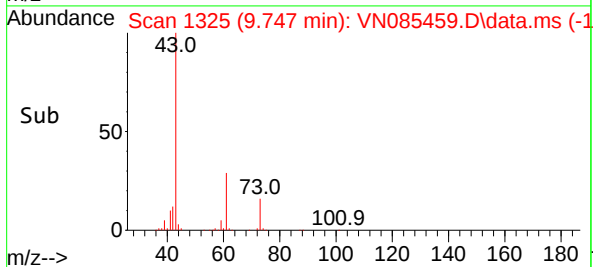
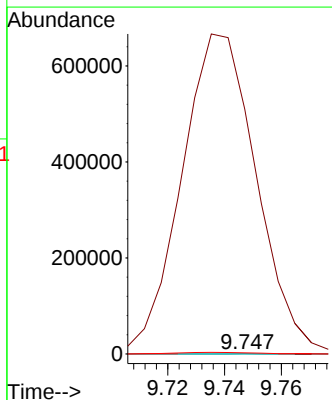
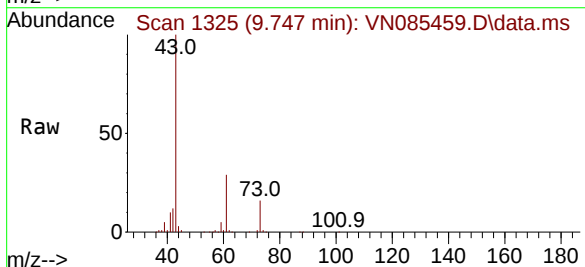


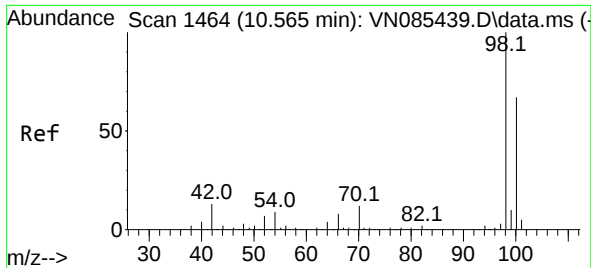
Tgt Ion: 41 Resp: 3922
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 64.3 49.0 73.6



#49
1,4-Dioxane
Concen: 4.452 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 88 Resp: 189
Ion Ratio Lower Upper
88 100
43 651638.6 26.6 39.8#
58 3579.4 59.5 89.3#

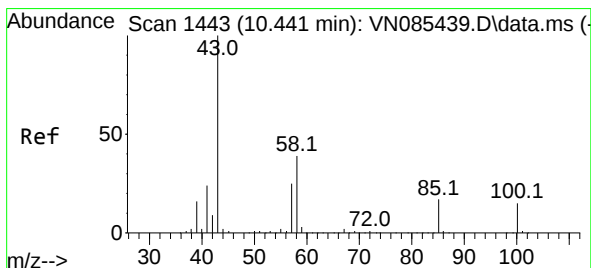
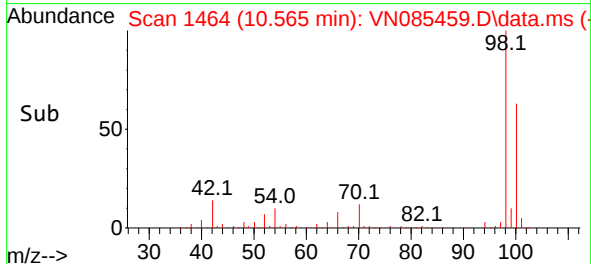
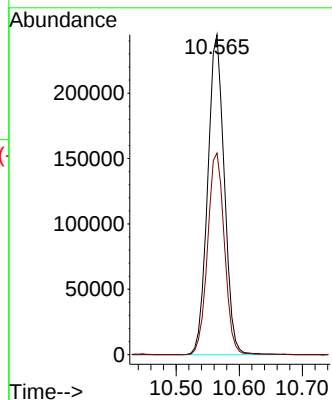
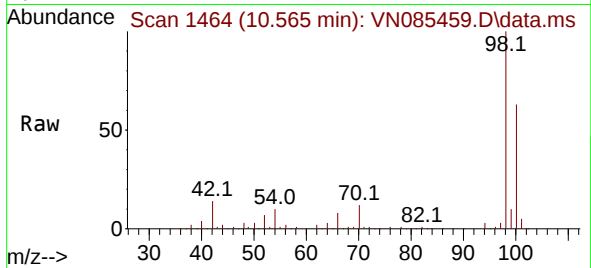




#50
Toluene-d8
Concen: 50.989 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

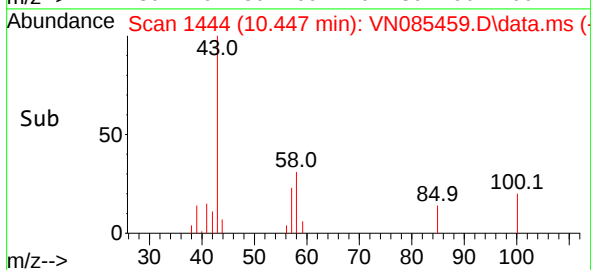
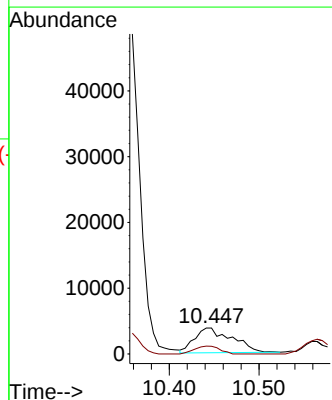
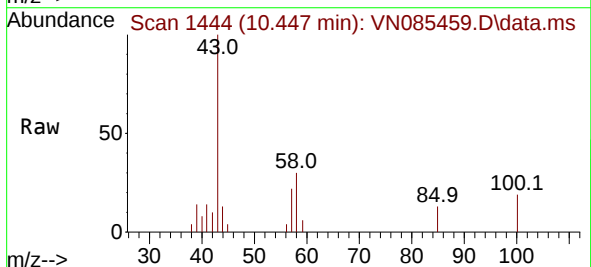
Instrument :
MSVOA_N
ClientSampleId :

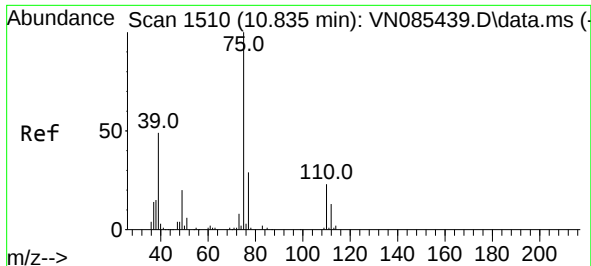
Tgt Ion: 98 Resp: 447097
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.360 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 43 Resp: 10923
Ion Ratio Lower Upper
43 100
58 21.4 30.5 45.7#

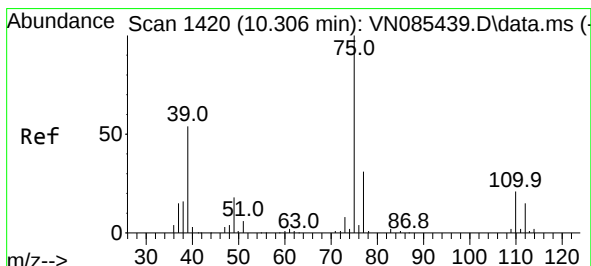
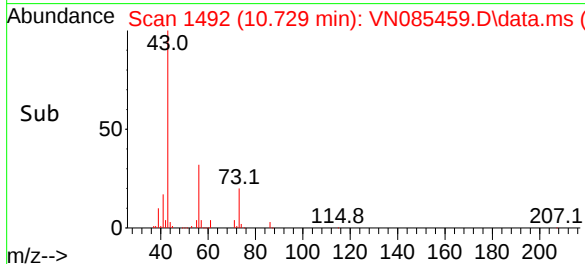
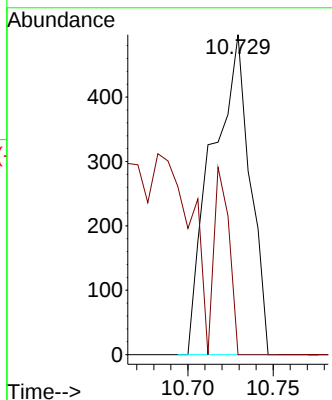
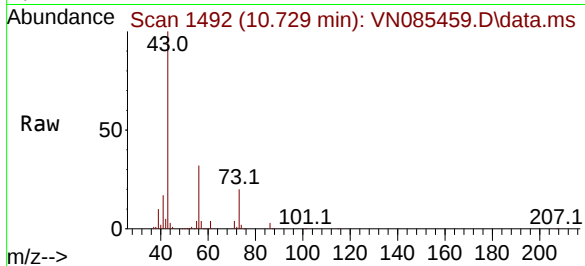




#53
t-1,3-Dichloropropene
Concen: 0.209 ug/l
RT: 10.729 min Scan# 14
Delta R.T. -0.106 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

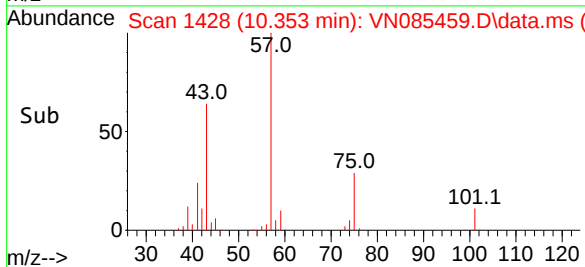
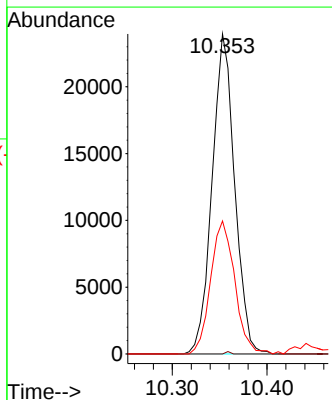
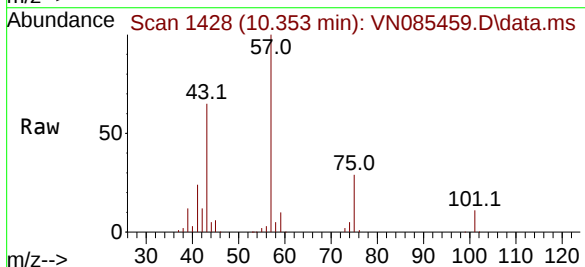
Instrument :
MSVOA_N
ClientSampleId :

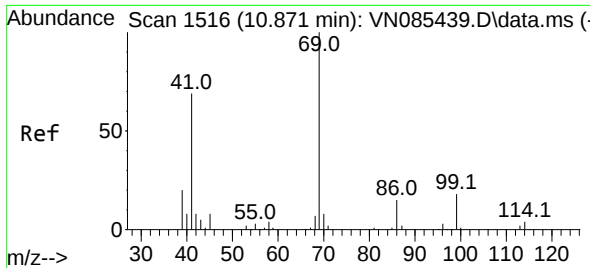
Tgt Ion: 75 Resp: 770
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 10.058 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 75 Resp: 39678
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 41.6 43.1 64.7#

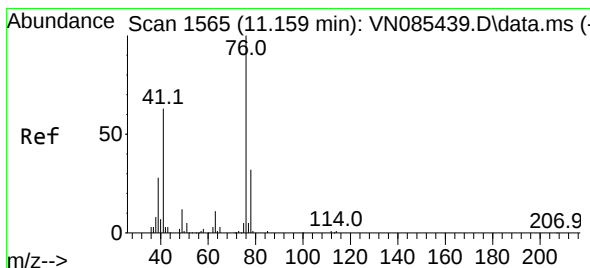
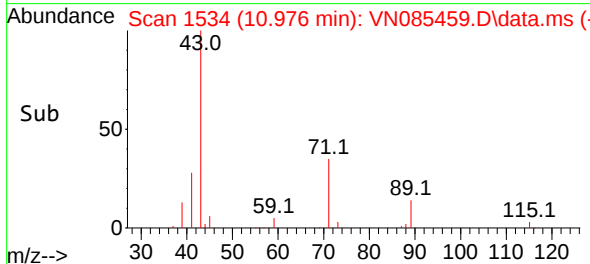
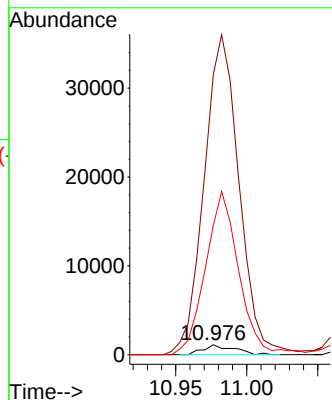
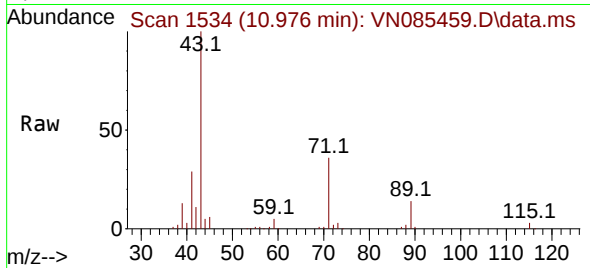




#56
Ethyl methacrylate
Concen: 2.335 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

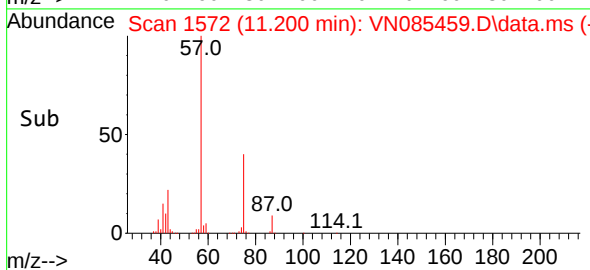
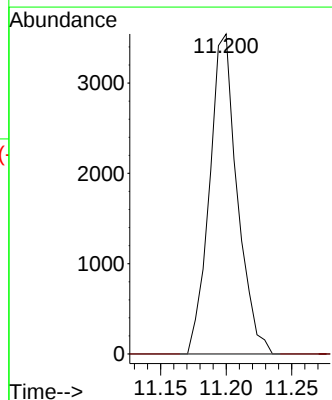
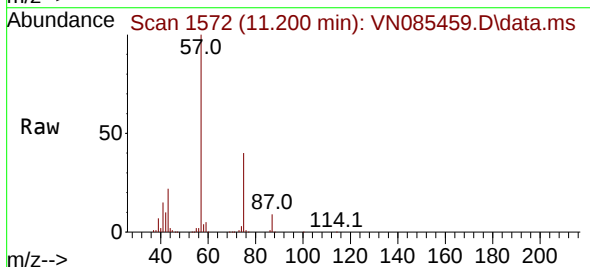
Instrument :
MSVOA_N
ClientSampleId :

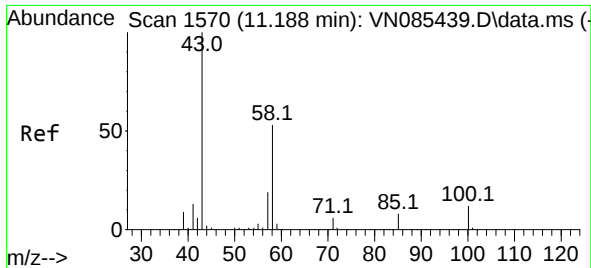
Tgt Ion: 69 Resp: 1687
Ion Ratio Lower Upper
69 100
41 3656.0 54.6 82.0#
39 1774.9 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.257 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 76 Resp: 5214
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

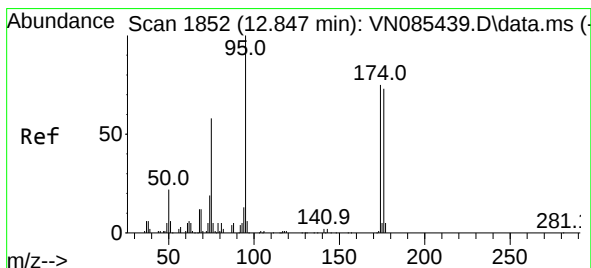
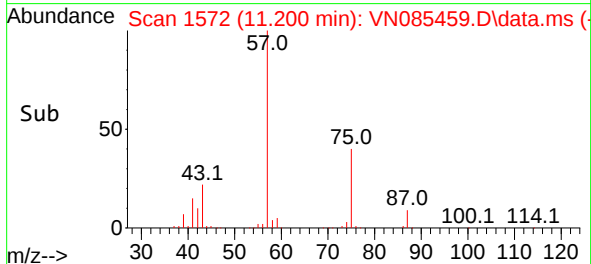
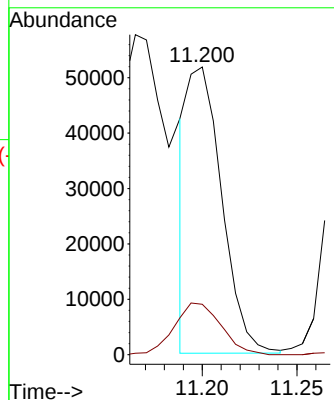
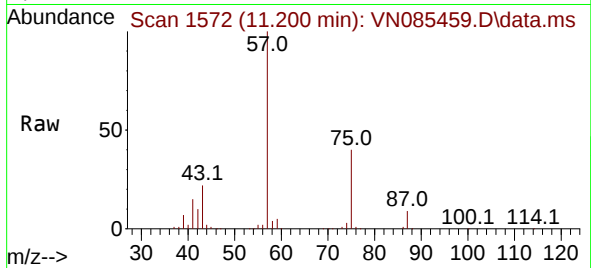




#59
2-Hexanone
Concen: 28.608 ug/l
RT: 11.200 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

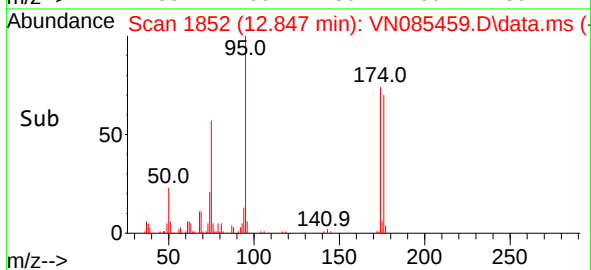
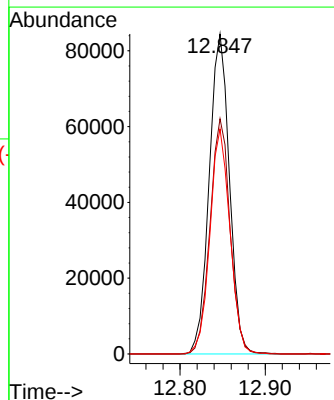
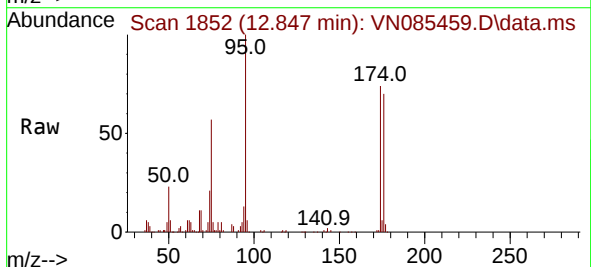
Instrument :
MSVOA_N
ClientSampleId :

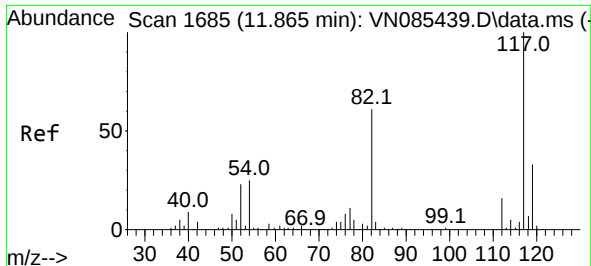
Tgt Ion: 43 Resp: 65437
Ion Ratio Lower Upper
43 100
58 24.5 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.305 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Tgt Ion: 95 Resp: 138891
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.0
176 69.8 0.0 142.4

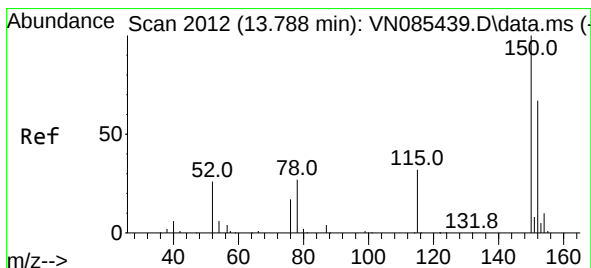
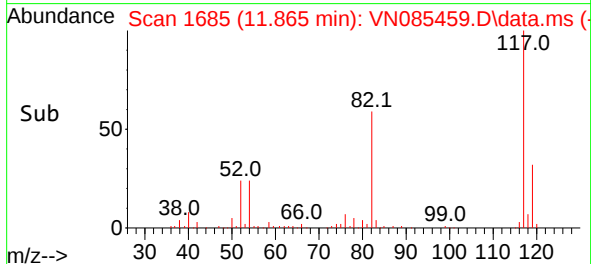
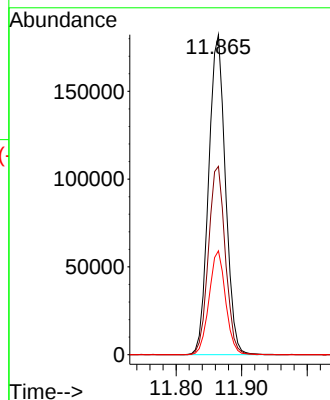
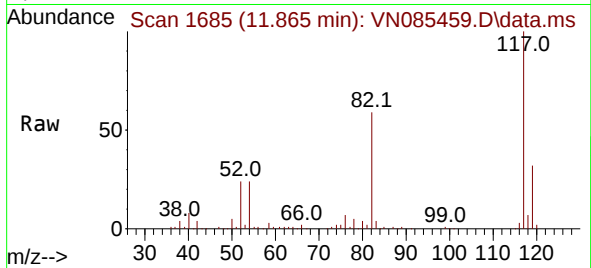




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

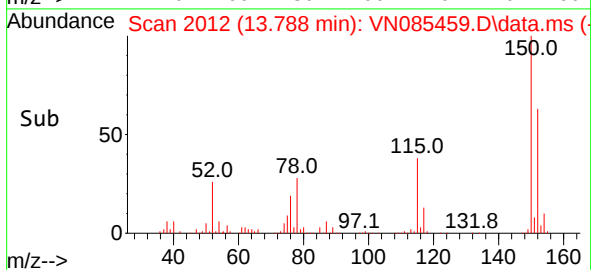
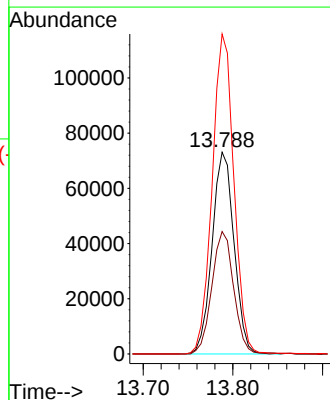
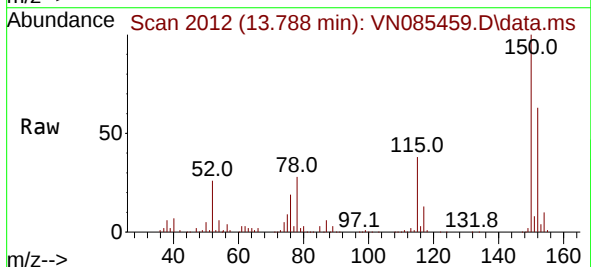
Instrument :
MSVOA_N
ClientSampleId :

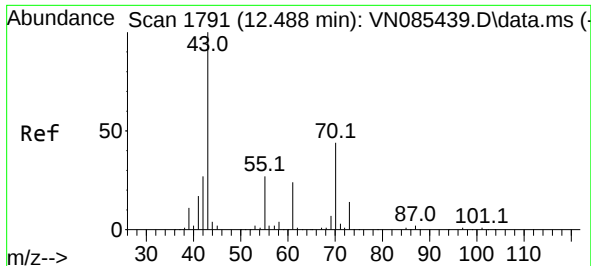
Tgt Ion:117 Resp: 324503
Ion Ratio Lower Upper
117 100
82 58.9 48.6 72.8
119 32.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

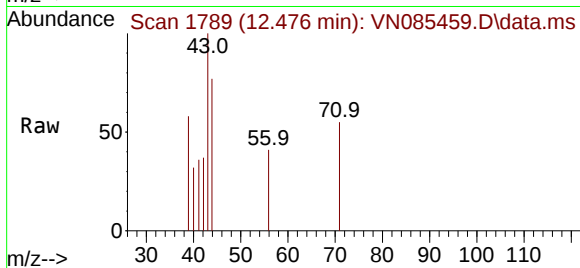
Tgt Ion:152 Resp: 124208
Ion Ratio Lower Upper
152 100
115 60.1 31.1 93.3
150 156.7 0.0 343.6



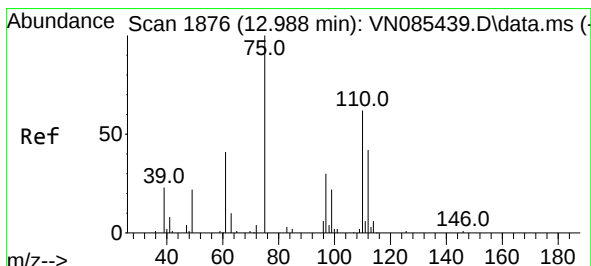
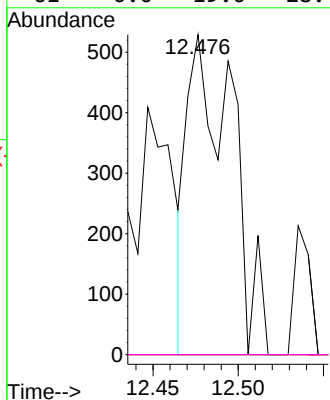
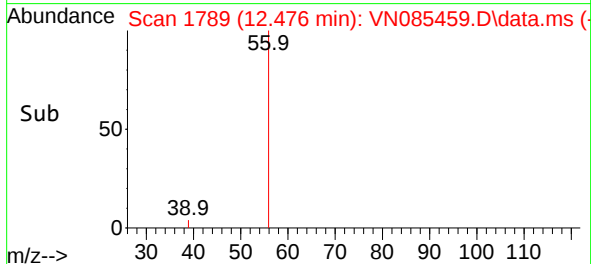


#74
N-amy1 acetate
Concen: 0.258 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :

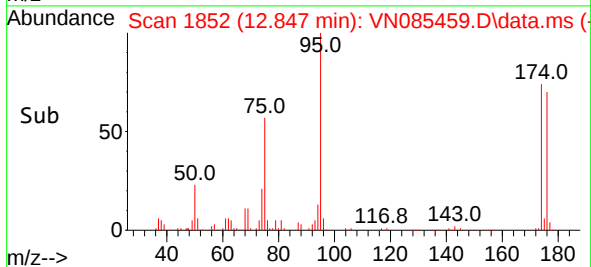
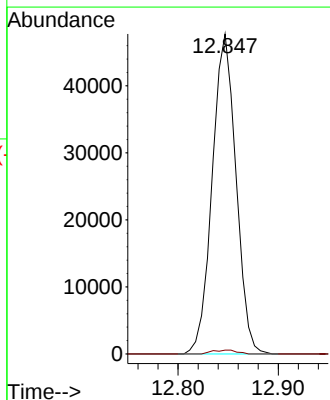
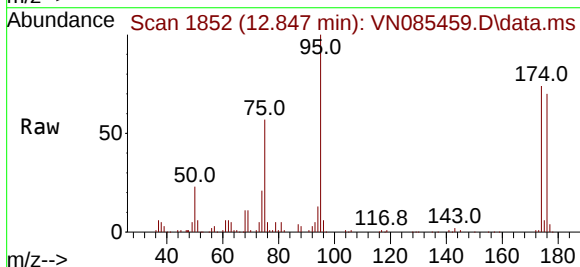


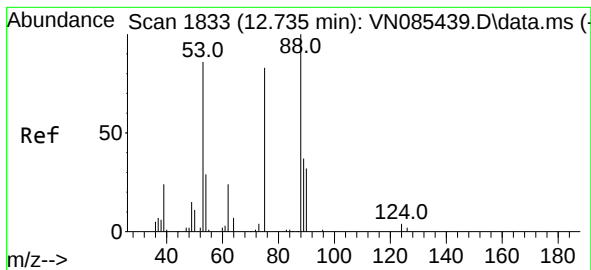
Tgt Ion: 43	Resp: 972
Ion Ratio	Lower Upper
43 100	
70 0.0	34.0 51.0#
55 0.0	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 31.151 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

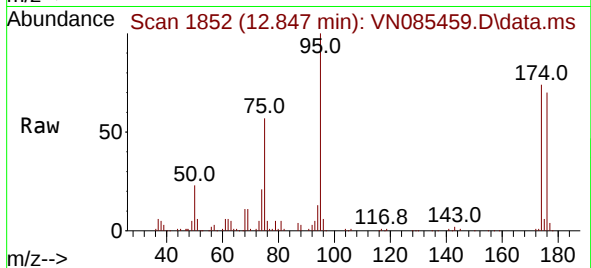
Tgt Ion: 75	Resp: 78643
Ion Ratio	Lower Upper
75 100	
77 1.3	109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.282 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085459.D
Acq: 15 Jan 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 78643
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#

