

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085629.D
 Acq On : 03 Feb 2025 18:01
 Operator : JC\MD
 Sample : PB166424ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 00:59:49 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

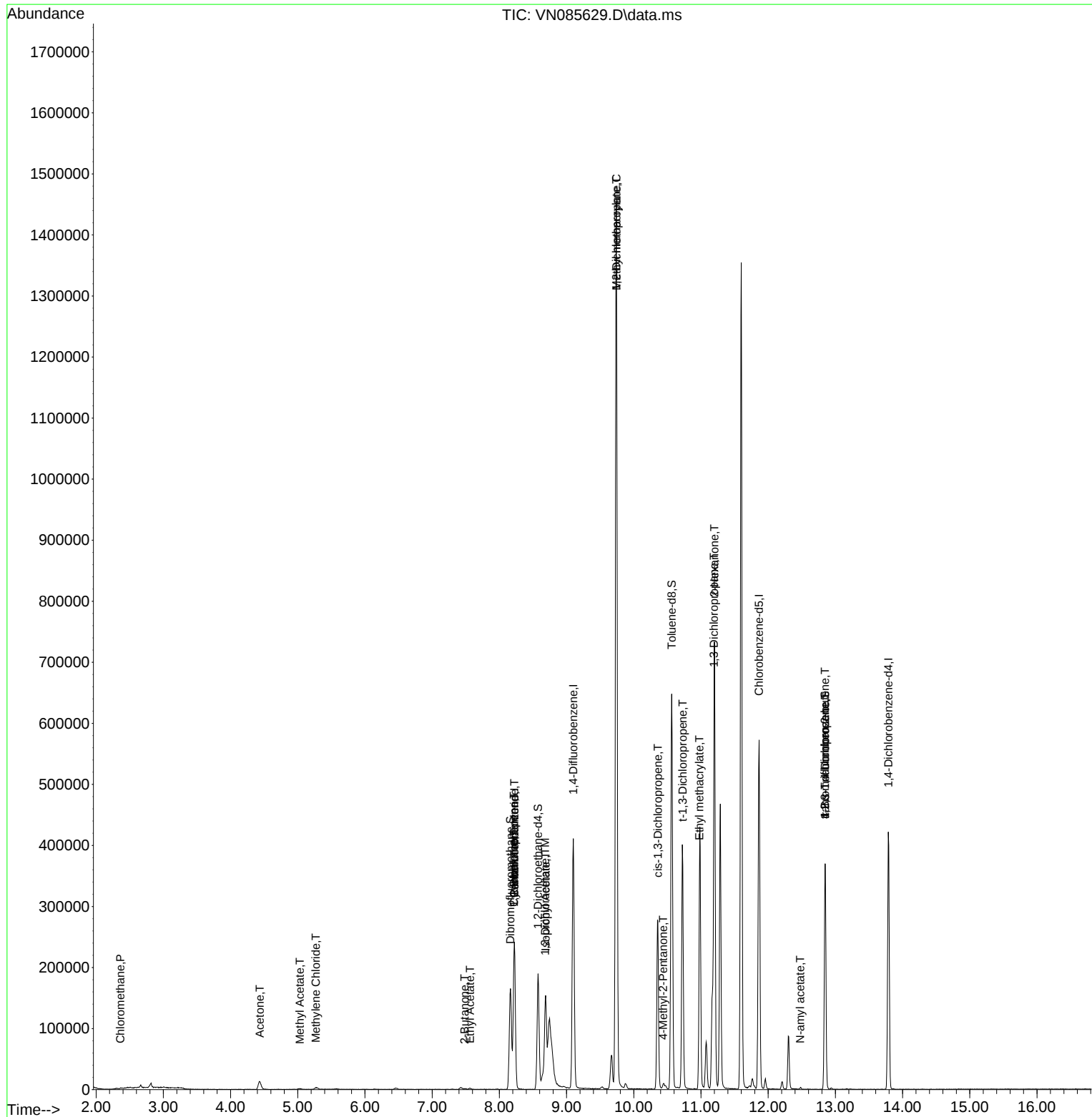
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	322910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	144583	54.260	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.520%	
35) Dibromofluoromethane	8.165	113	120003	49.360	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.720%	
50) Toluene-d8	10.565	98	451815	52.306	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.847	95	124312	42.071	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 84.140%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	539	0.223	ug/l #	41
16) Acetone	4.436	43	24942	28.970	ug/l	93
18) Methyl Acetate	5.030	43	2880	1.100	ug/l #	85
20) Methylene Chloride	5.271	84	2542	1.193	ug/l #	65
25) 2-Butanone	7.482	43	1647	1.300	ug/l #	86
31) Cyclohexane	8.218	56	4282	1.266	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15388	4.510	ug/l #	50
37) Ethyl Acetate	7.565	43	3342	0.970	ug/l #	90
38) Carbon Tetrachloride	8.224	117	18318	4.689	ug/l #	20
42) 1,2-Dichloroethane	8.682	62	1001	0.259	ug/l #	76
43) Isopropyl Acetate	8.688	43	184853	33.497	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1918	0.732	ug/l #	43
48) Methyl methacrylate	9.741	41	133953	53.938	ug/l #	46
51) 4-Methyl-2-Pentanone	10.435	43	5205	1.625	ug/l #	87
53) t-1,3-Dichloropropene	10.729	75	865	0.238	ug/l #	87
54) cis-1,3-Dichloropropene	10.359	75	49406	12.714	ug/l #	67
56) Ethyl methacrylate	10.976	69	2668	2.579	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	7354	1.799	ug/l #	43
59) 2-Hexanone	11.200	43	81511	36.175	ug/l #	60
74) N-amyl acetate	12.476	43	1271	0.371	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	66248	28.870	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66248	78.110	ug/l #	3

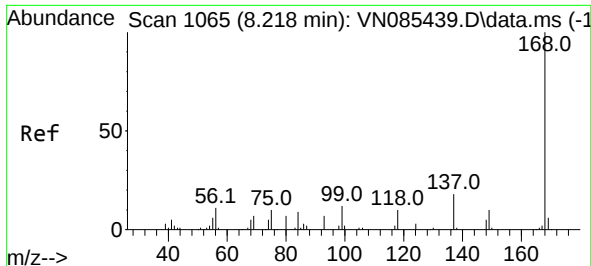
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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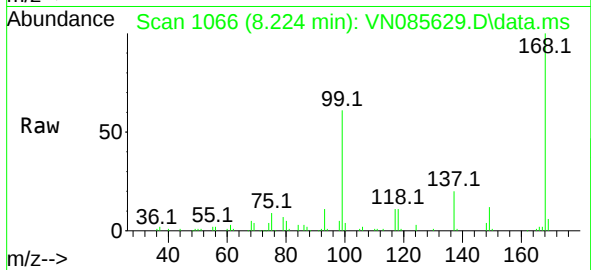
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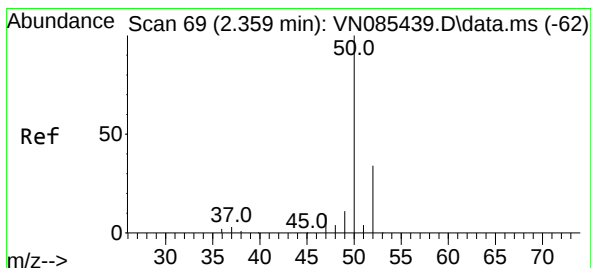
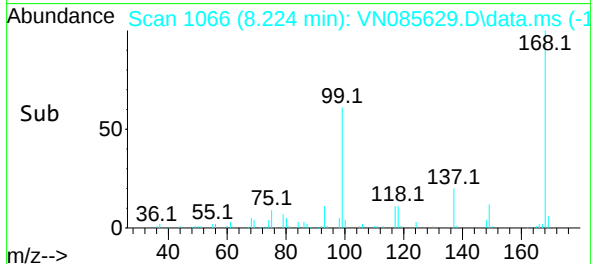
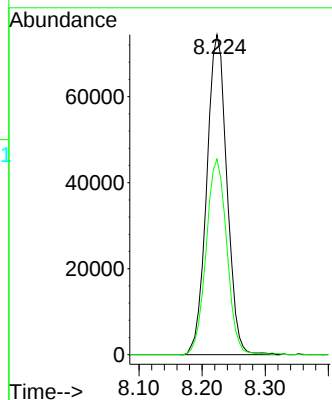


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :

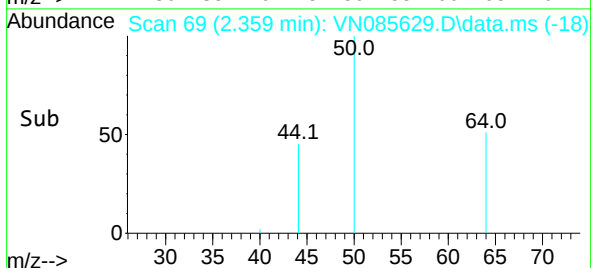
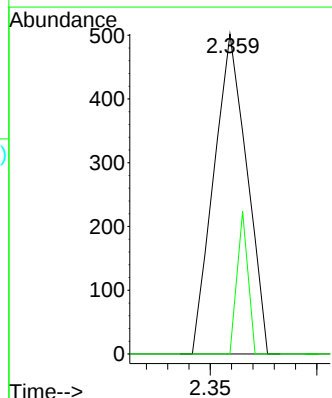
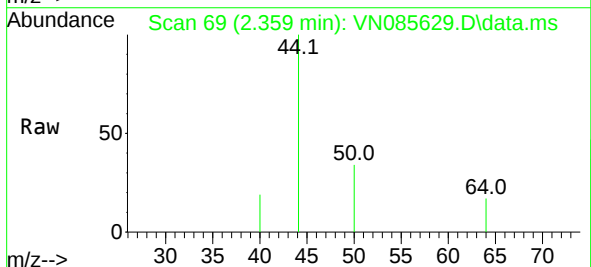


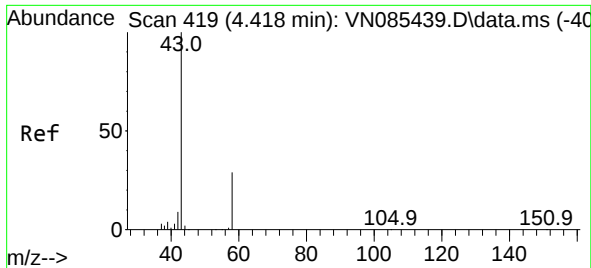
Tgt Ion:168 Resp: 165075
Ion Ratio Lower Upper
168 100
99 61.2 53.6 80.4



#3
Chloromethane
Concen: 0.223 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 50 Resp: 539
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

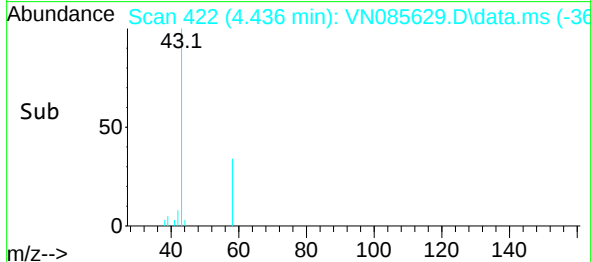
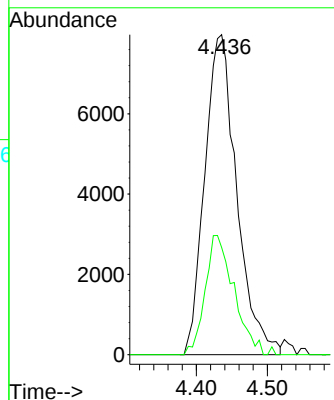
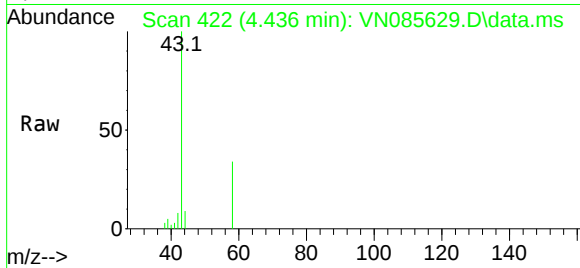




#16
Acetone
Concen: 28.970 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.017 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

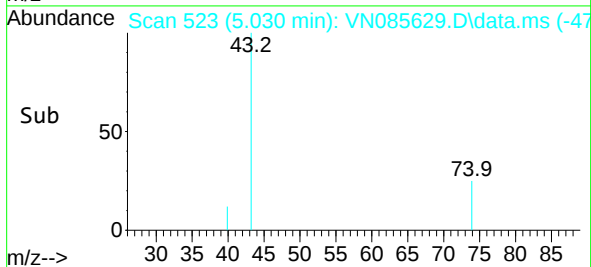
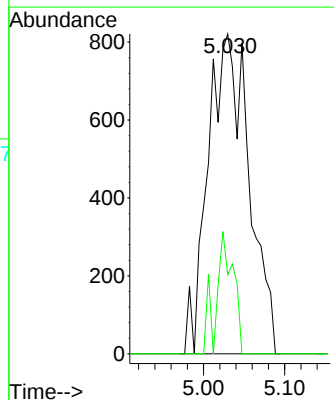
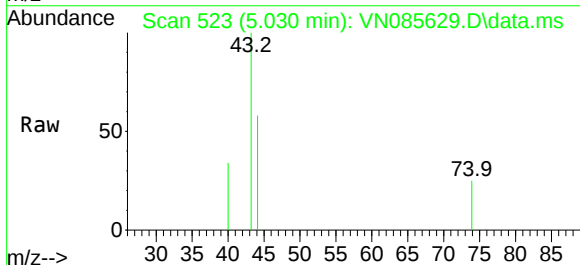
Instrument :
MSVOA_N
ClientSampleId :

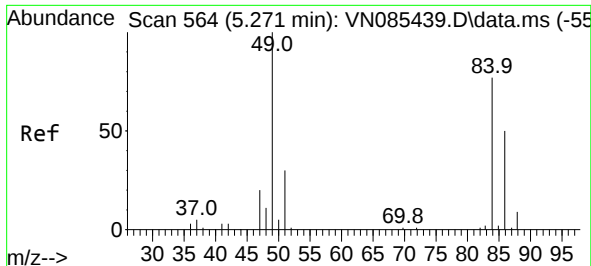
Tgt Ion: 43 Resp: 24942
Ion Ratio Lower Upper
43 100
58 33.5 23.8 35.6



#18
Methyl Acetate
Concen: 1.100 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

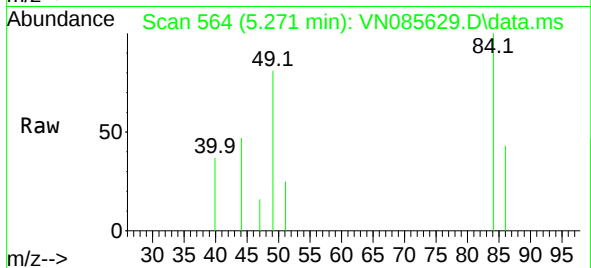
Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
74 16.0 18.6 28.0#





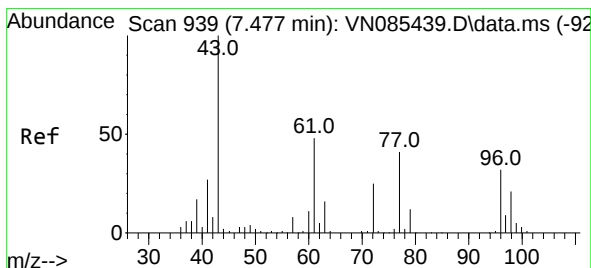
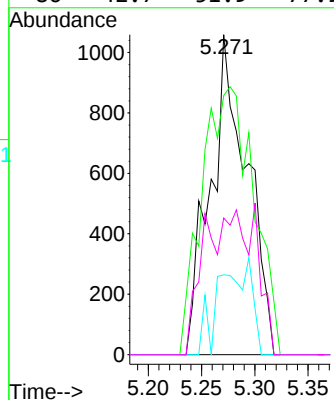
#20
Methylene Chloride
Concen: 1.193 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2542

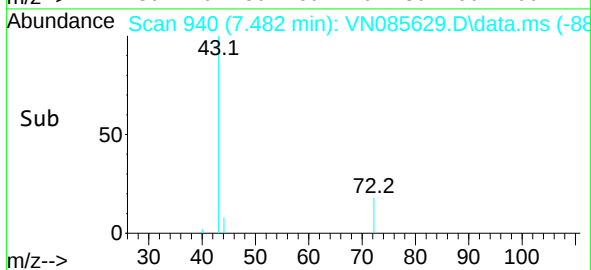
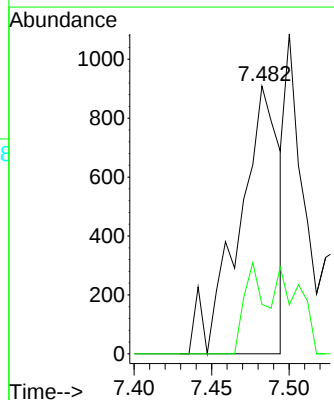
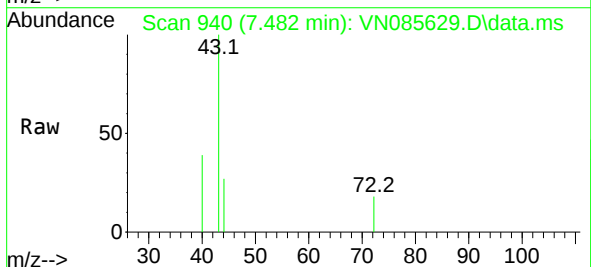
Ion	Ratio	Lower	Upper
84	100		
49	81.0	104.1	156.1#
51	24.9	31.0	46.4#
86	42.7	51.9	77.9#

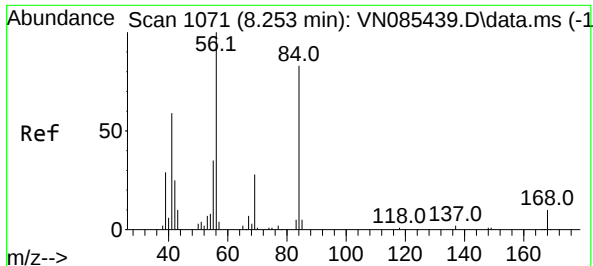


#25
2-Butanone
Concen: 1.300 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 43 Resp: 1647

Ion	Ratio	Lower	Upper
43	100		
72	18.5	20.2	30.4#





#31

Cyclohexane

Concen: 1.266 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

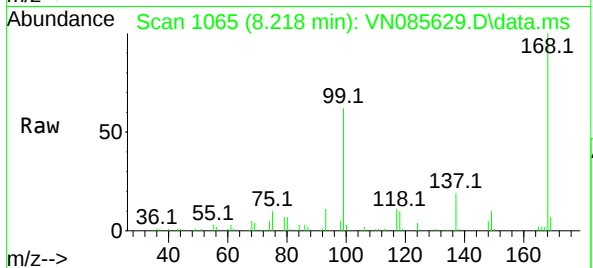
Lab File: VN085629.D

Acq: 03 Feb 2025 18:01

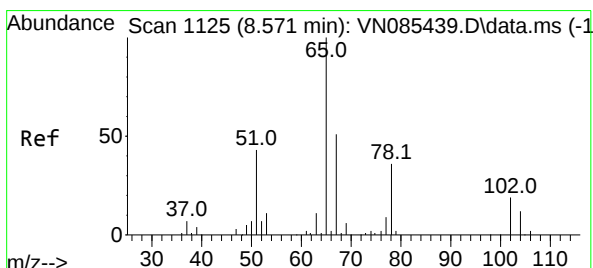
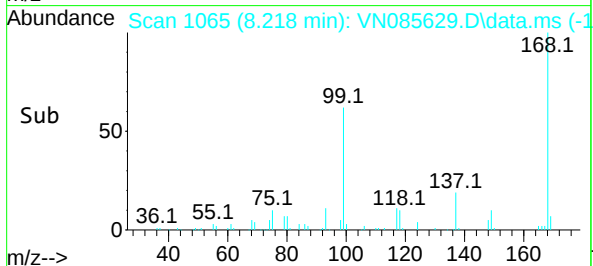
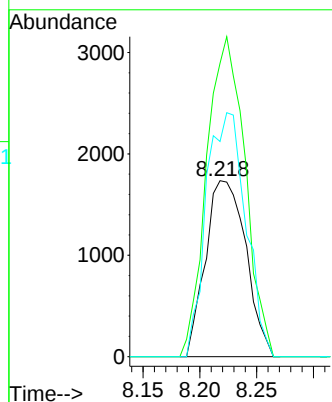
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4282
Ion Ratio	Lower Upper
56	100
69	166.8 22.2 33.4#
84	122.3 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 54.260 ug/l

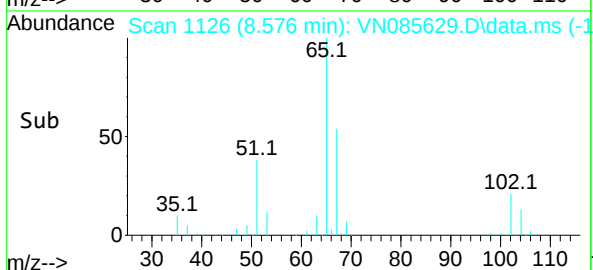
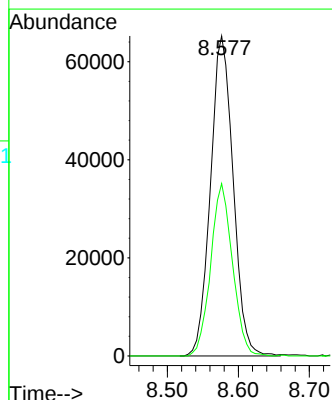
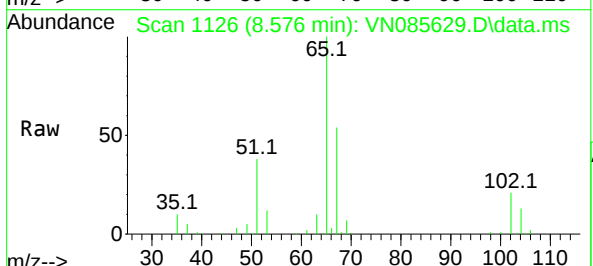
RT: 8.576 min Scan# 1126

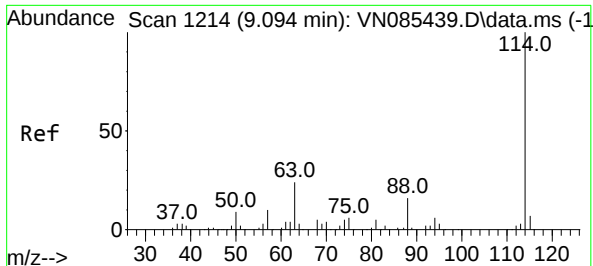
Delta R.T. 0.006 min

Lab File: VN085629.D

Acq: 03 Feb 2025 18:01

Tgt Ion: 65	Resp: 144583
Ion Ratio	Lower Upper
65	100
67	51.8 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: VN085629.D

Acq: 03 Feb 2025 18:01

Instrument :

MSVOA_N

ClientSampleId :

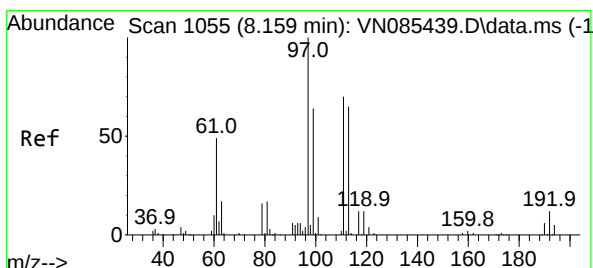
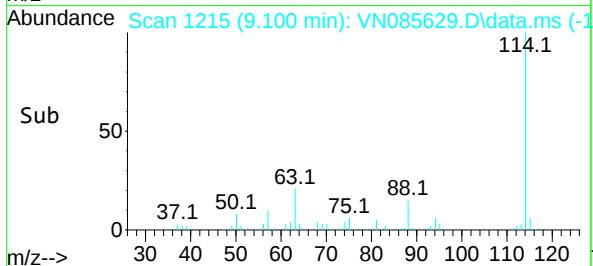
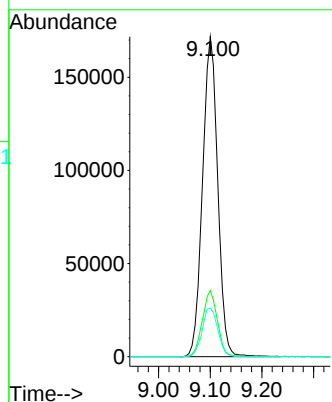
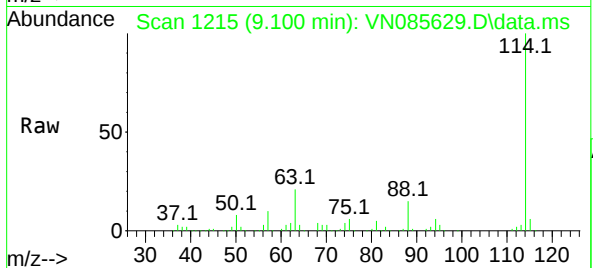
Tgt Ion:114 Resp: 350437

Ion Ratio Lower Upper

114 100

63 20.7 0.0 47.6

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.360 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085629.D

Acq: 03 Feb 2025 18:01

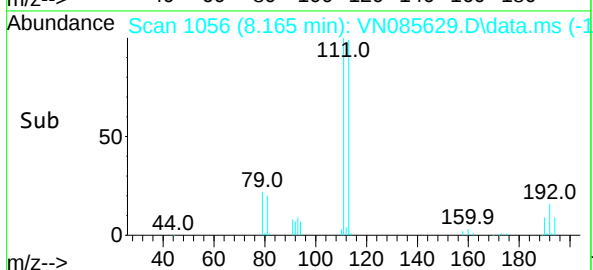
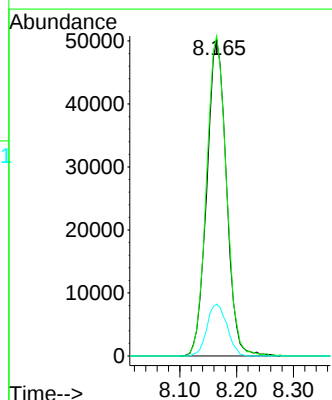
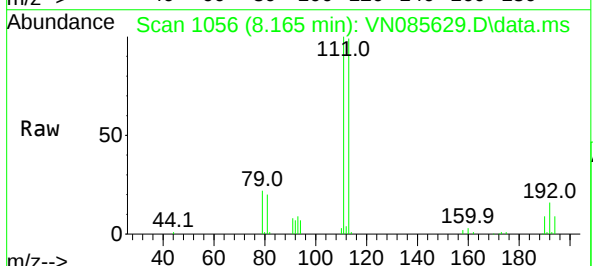
Tgt Ion:113 Resp: 120003

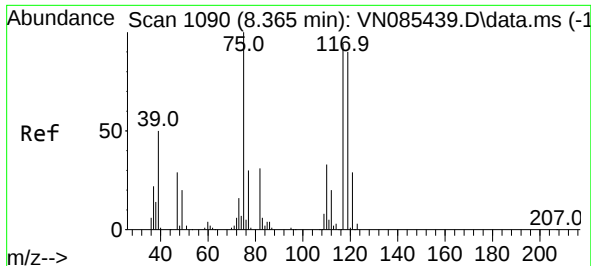
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 16.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.510 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

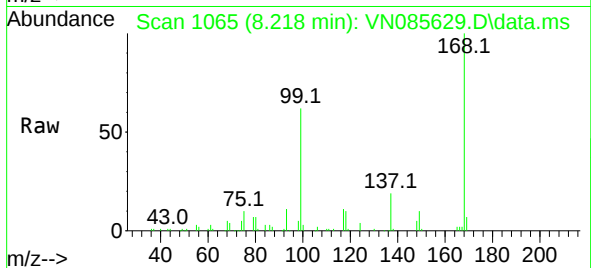
Lab File: VN085629.D

Acq: 03 Feb 2025 18:01

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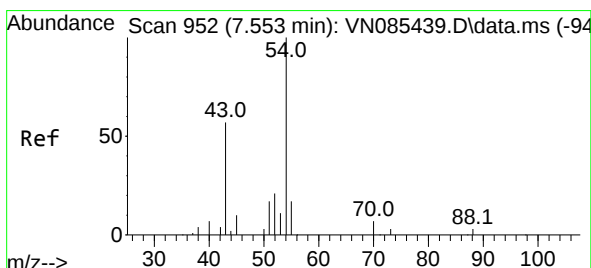
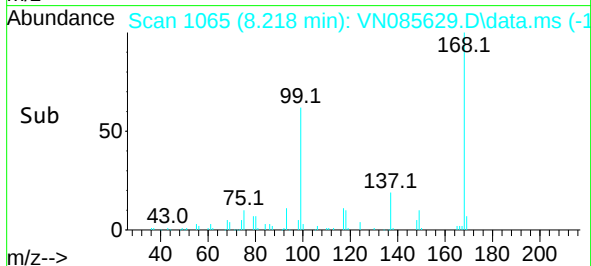
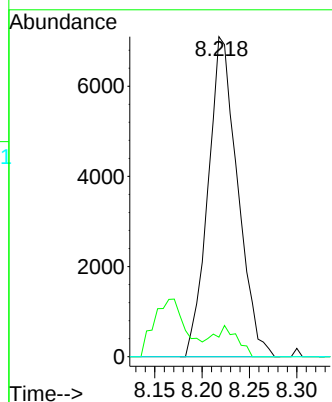
Tgt Ion: 75 Resp: 15388

Ion Ratio Lower Upper

75 100

110 8.1 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.970 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085629.D

Acq: 03 Feb 2025 18:01

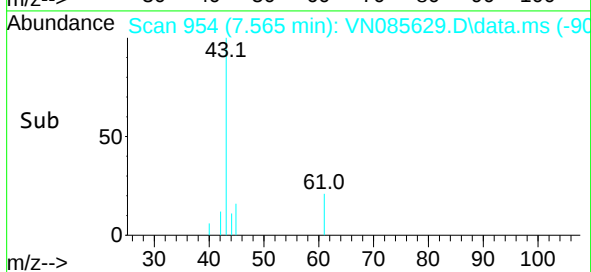
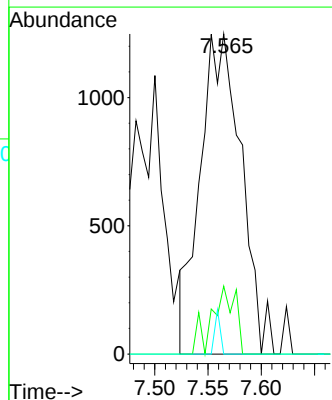
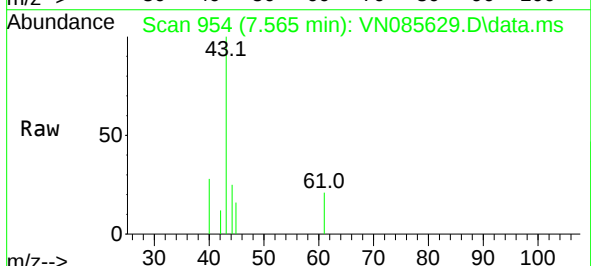
Tgt Ion: 43 Resp: 3342

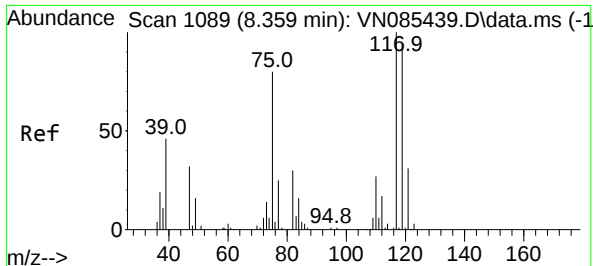
Ion Ratio Lower Upper

43 100

61 12.3 10.9 16.3

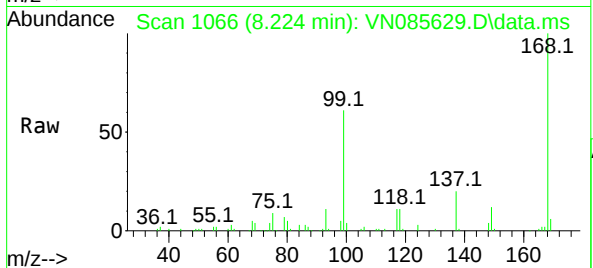
70 1.8 7.5 11.3#



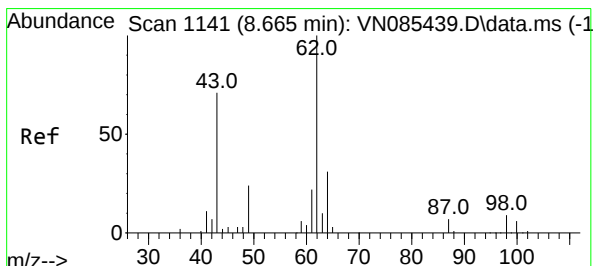
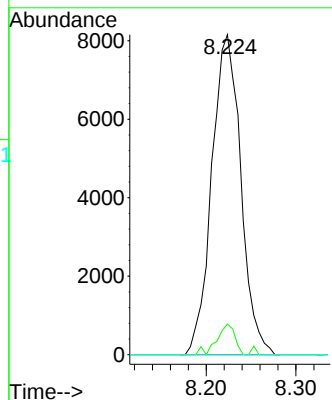
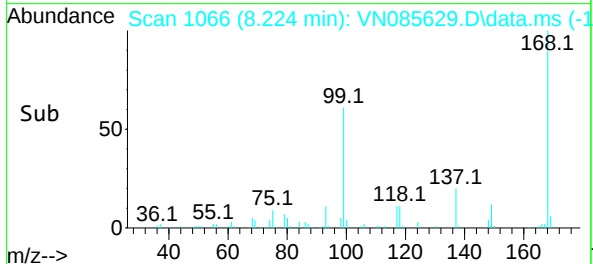


#38
Carbon Tetrachloride
Concen: 4.689 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :

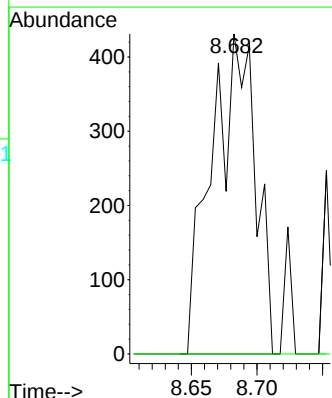
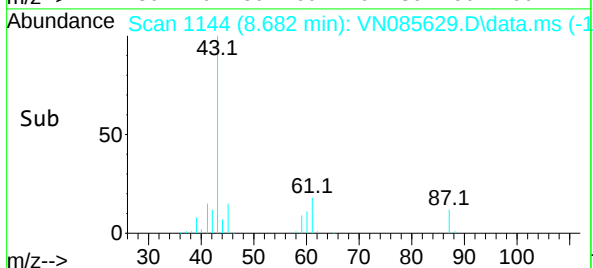
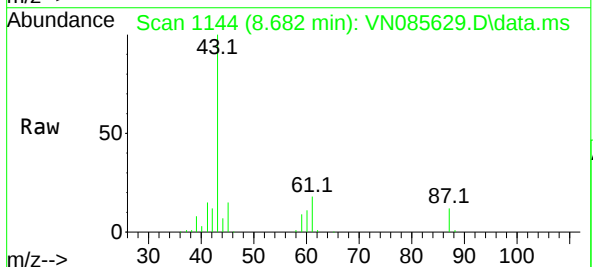


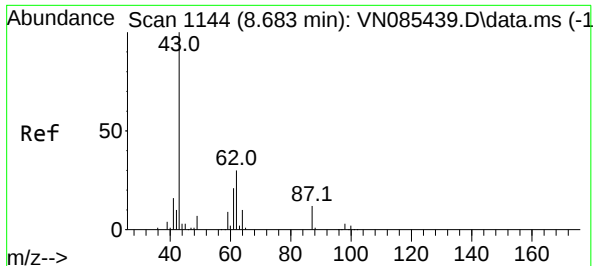
Tgt Ion:117 Resp: 18318
Ion Ratio Lower Upper
117 100
119 9.6 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.259 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.017 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

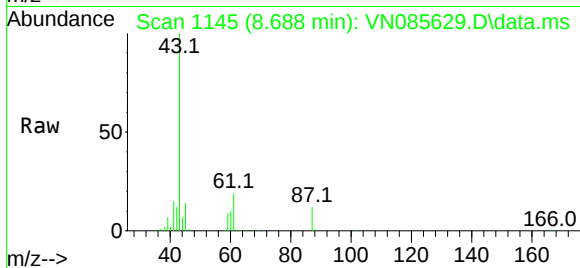
Tgt Ion: 62 Resp: 1001
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



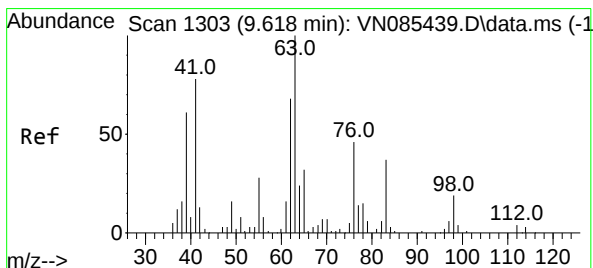
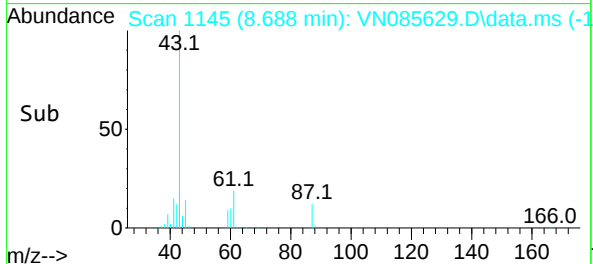
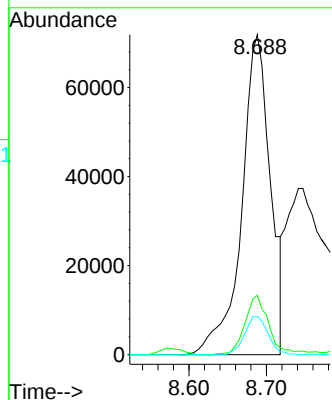


#43
Isopropyl Acetate
Concen: 33.497 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :

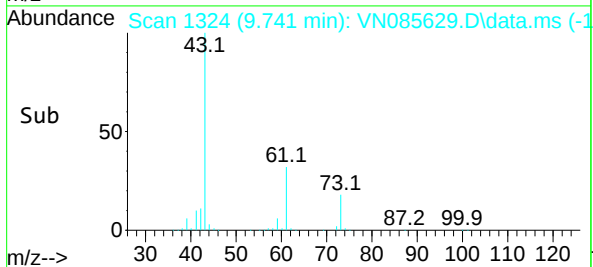
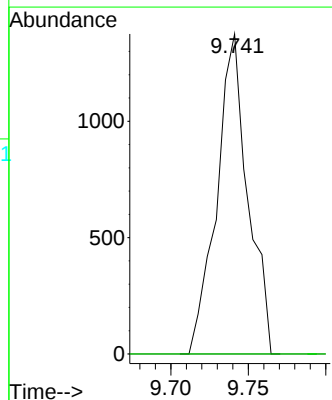
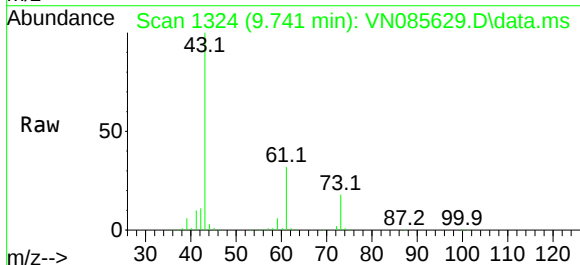


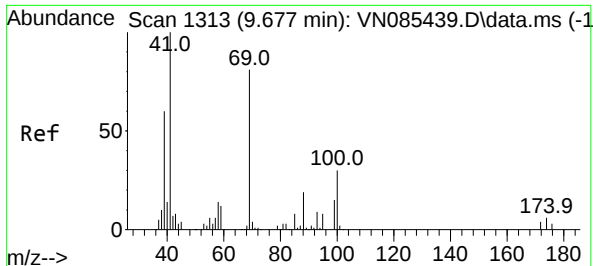
Tgt Ion: 43 Resp: 184853
Ion Ratio Lower Upper
43 100
61 15.9 20.7 31.1#
87 9.7 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.732 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 63 Resp: 1918
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

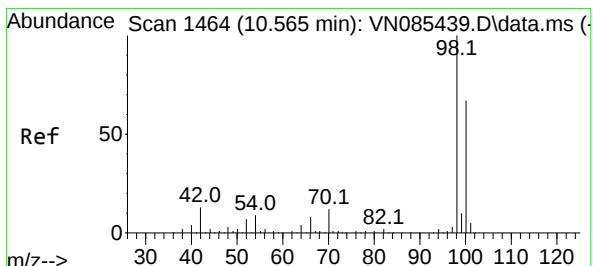
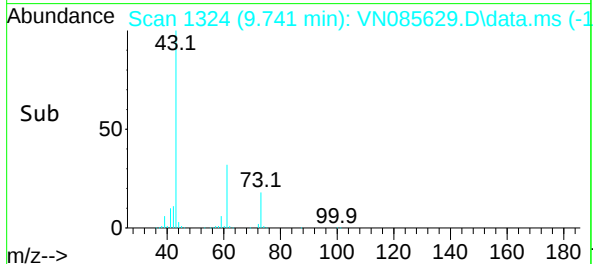
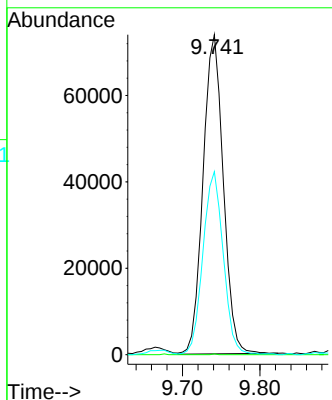
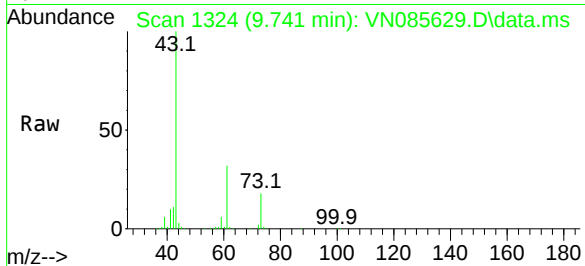




#48
Methyl methacrylate
Concen: 53.938 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

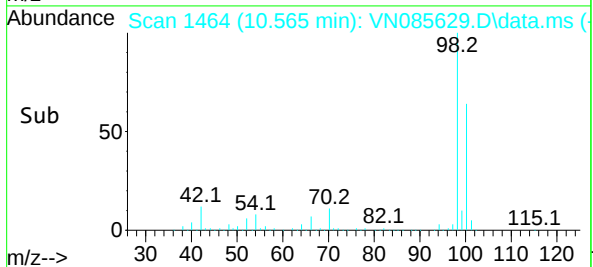
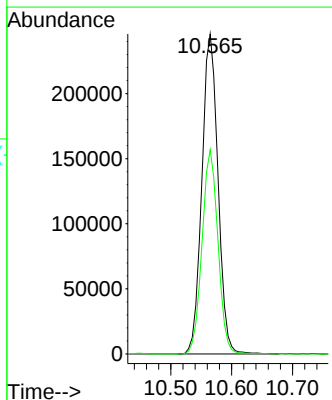
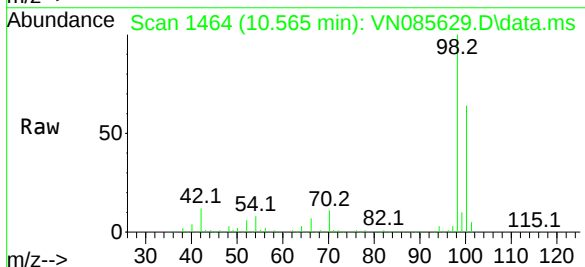
Instrument :
MSVOA_N
ClientSampleId :

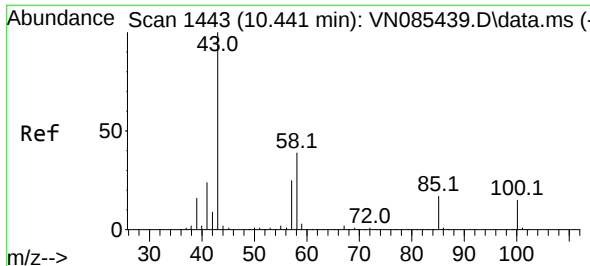
Tgt Ion: 41 Resp: 133953
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 57.9 49.0 73.6



#50
Toluene-d8
Concen: 52.306 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 98 Resp: 451815
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.4

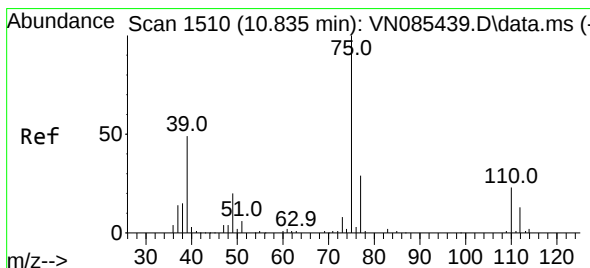
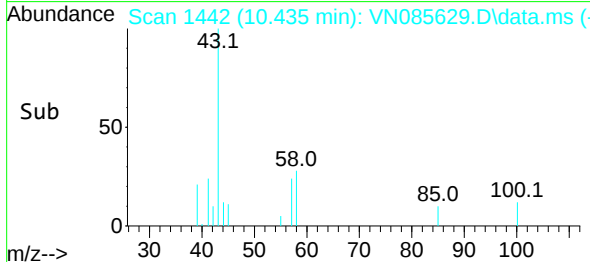
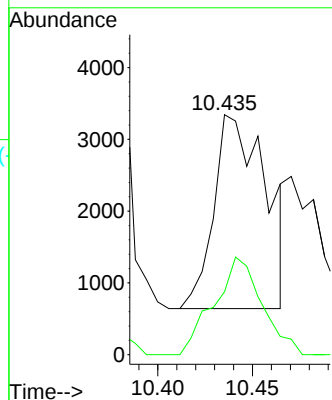
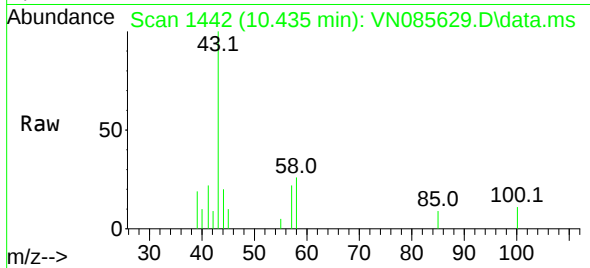




#51
4-Methyl-2-Pentanone
Concen: 1.625 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

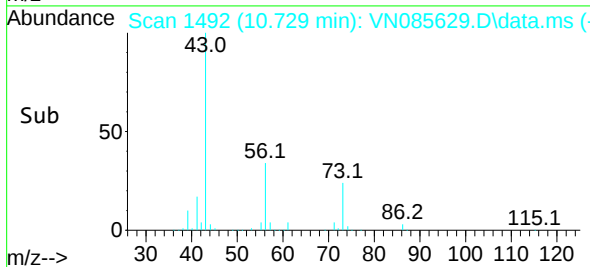
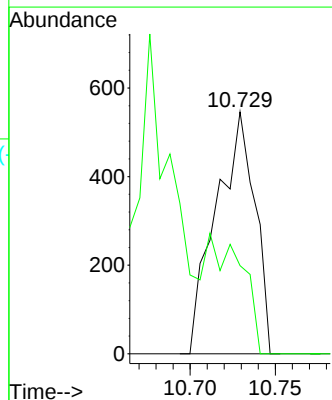
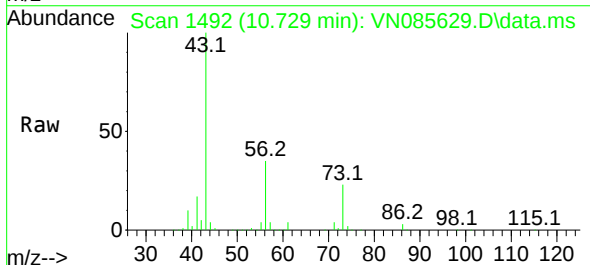
Instrument :
MSVOA_N
ClientSampleId :

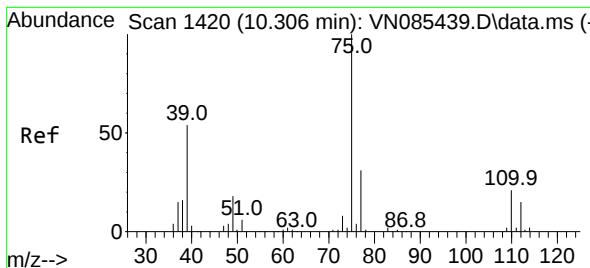
Tgt Ion: 43 Resp: 5205
Ion Ratio Lower Upper
43 100
58 45.9 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.238 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 75 Resp: 865
Ion Ratio Lower Upper
75 100
77 36.4 23.5 35.3#

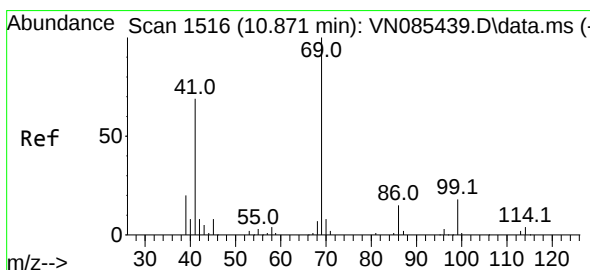
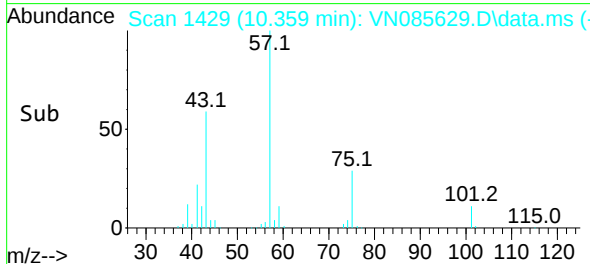
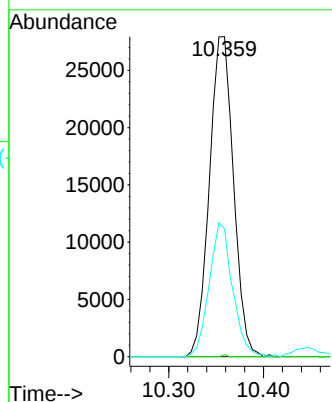
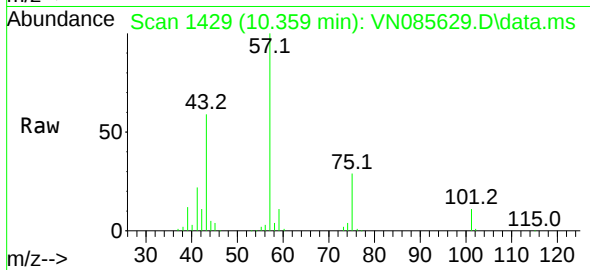




#54
cis-1,3-Dichloropropene
Concen: 12.714 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

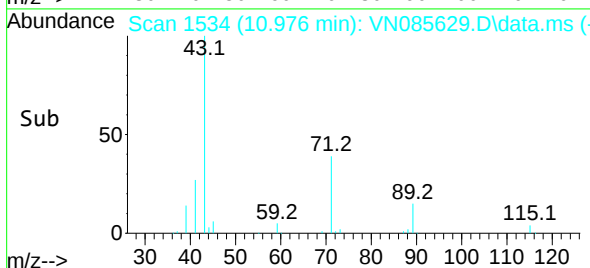
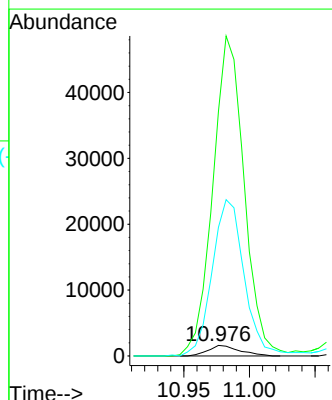
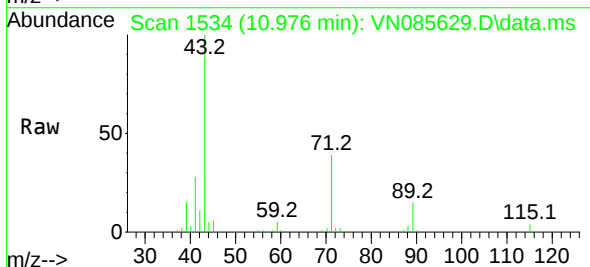
Instrument :
MSVOA_N
ClientSampleId :

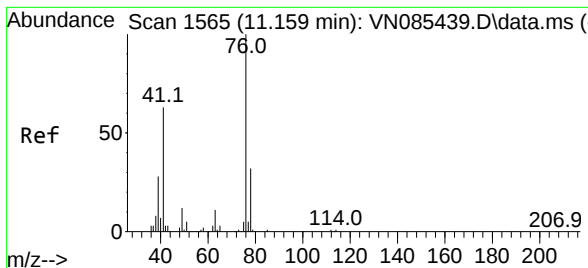
Tgt Ion: 75 Resp: 49406
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 40.0 43.1 64.7#



#56
Ethyl methacrylate
Concen: 2.579 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

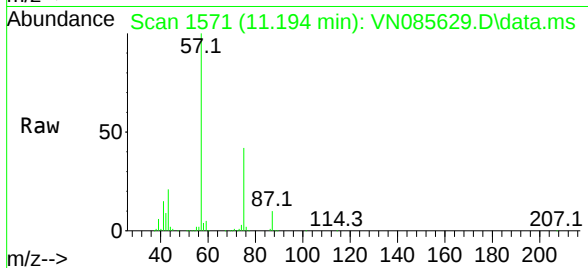
Tgt Ion: 69 Resp: 2668
Ion Ratio Lower Upper
69 100
41 3020.9 54.6 82.0#
39 1517.8 32.4 48.6#



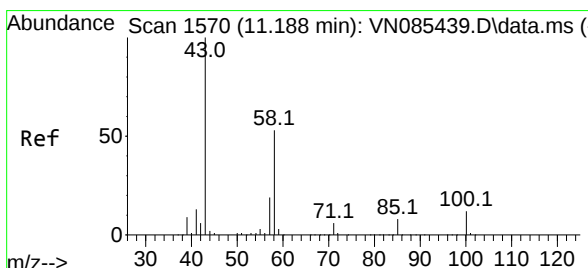
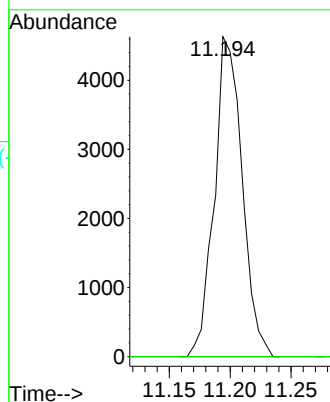
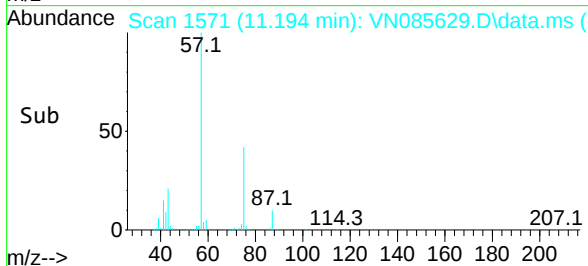


#57
1,3-Dichloropropane
Concen: 1.799 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :

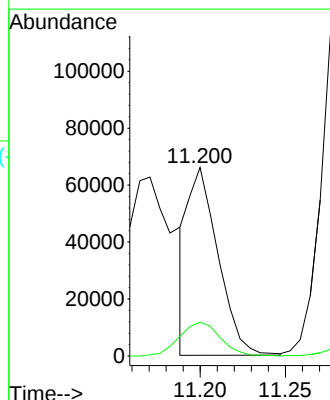
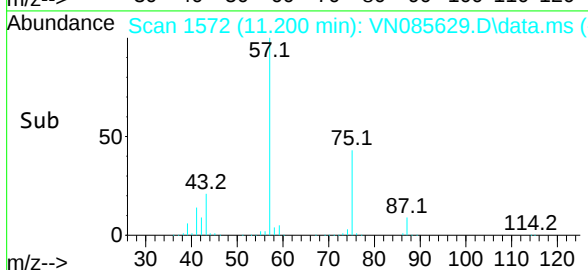
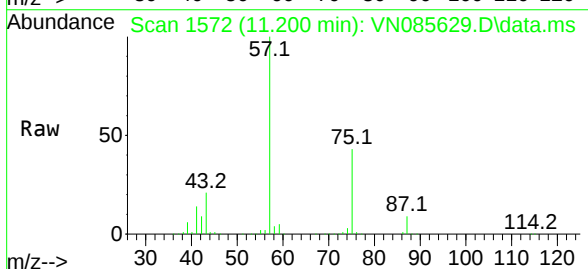


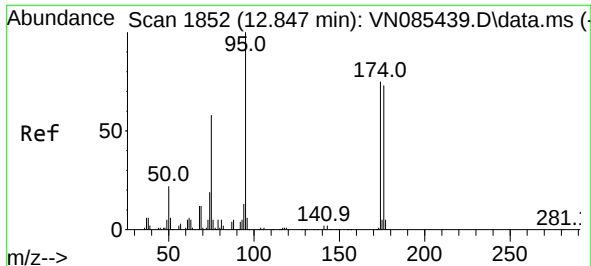
Tgt Ion: 76 Resp: 7354
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 36.175 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 43 Resp: 81511
Ion Ratio Lower Upper
43 100
58 24.3 26.2 78.6#

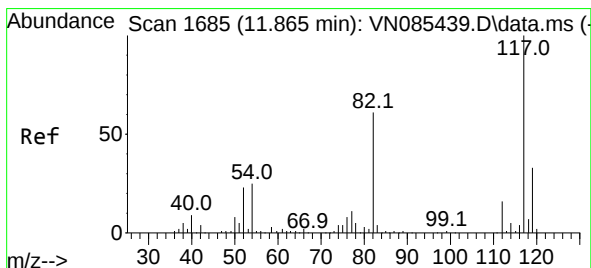
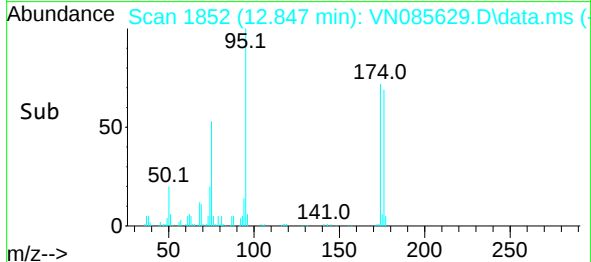
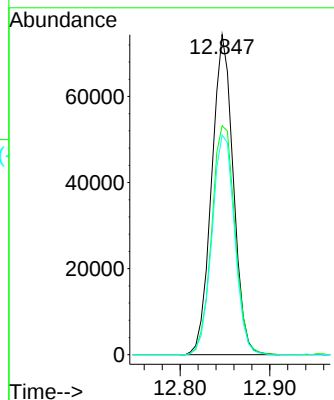
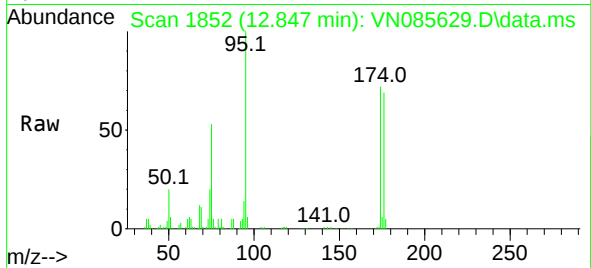




#62
4-Bromofluorobenzene
Concen: 42.071 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

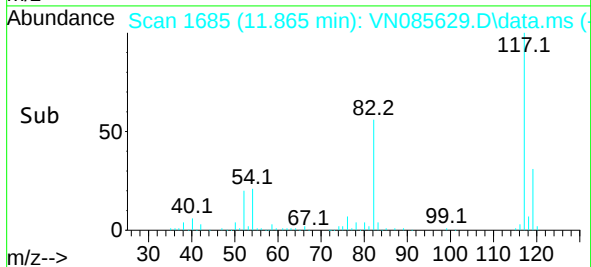
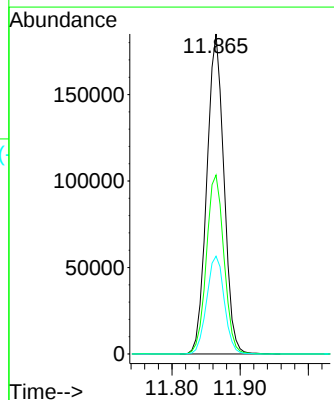
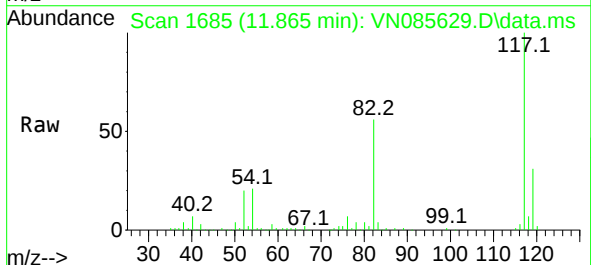
Instrument :
MSVOA_N
ClientSampleId :

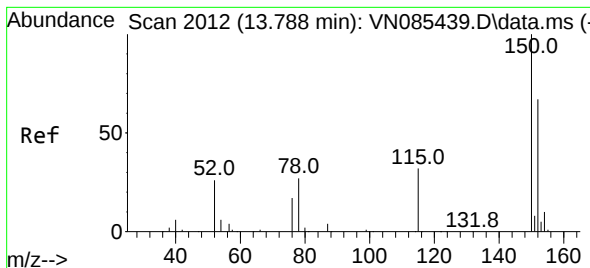
Tgt Ion: 95 Resp: 124312
Ion Ratio Lower Upper
95 100
174 77.0 0.0 145.0
176 72.0 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 117 Resp: 322910
Ion Ratio Lower Upper
117 100
82 55.9 48.6 72.8
119 30.6 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

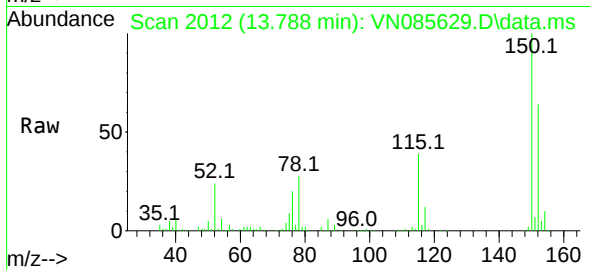
Lab File: VN085629.D

Acq: 03 Feb 2025 18:01

Instrument :

MSVOA_N

ClientSampleId :



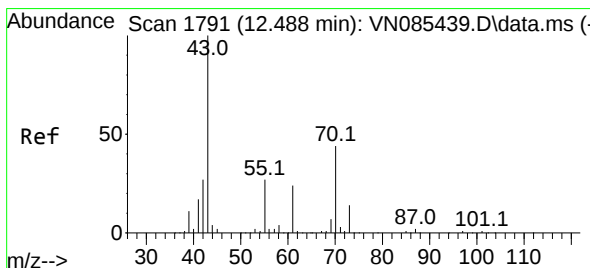
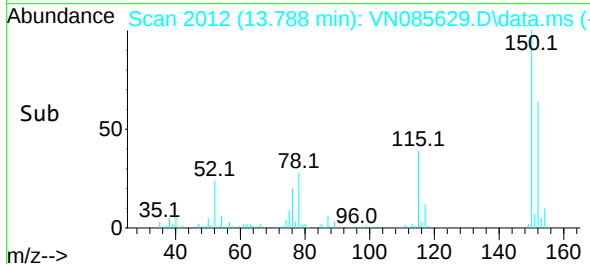
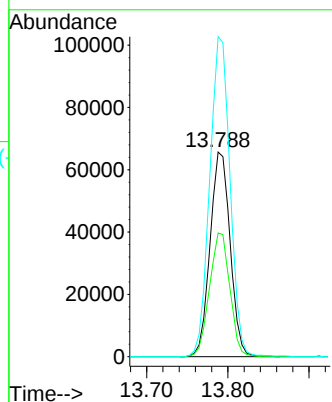
Tgt Ion:152 Resp: 112899

Ion Ratio Lower Upper

152 100

115 61.0 31.1 93.3

150 158.2 0.0 343.6



#74

N-ethyl acetate

Concen: 0.371 ug/l

RT: 12.476 min Scan# 1789

Delta R.T. -0.012 min

Lab File: VN085629.D

Acq: 03 Feb 2025 18:01

Tgt Ion: 43 Resp: 1271

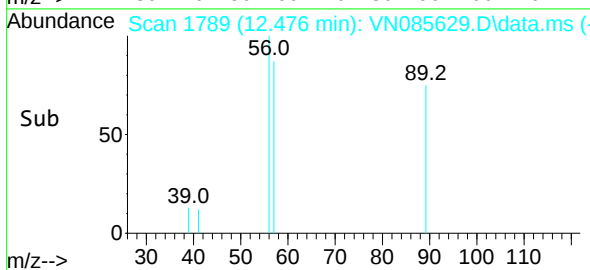
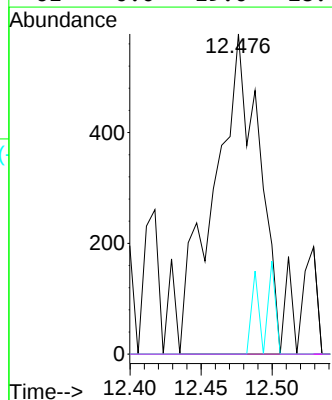
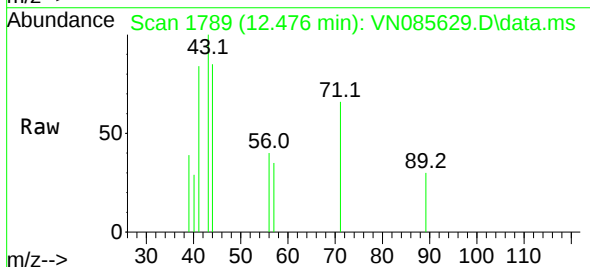
Ion Ratio Lower Upper

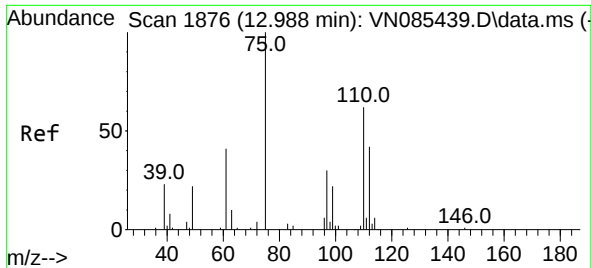
43 100

70 0.0 34.0 51.0#

55 0.0 21.4 32.2#

61 0.0 19.0 28.4#

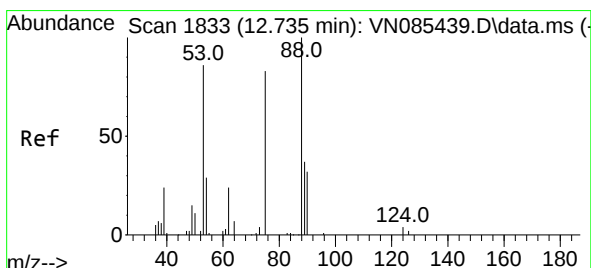
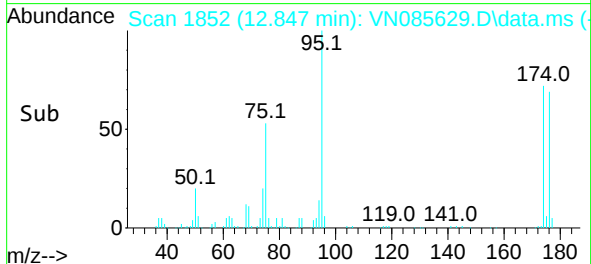
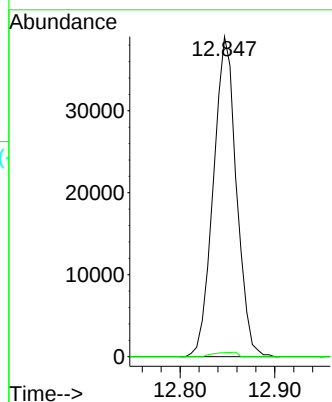
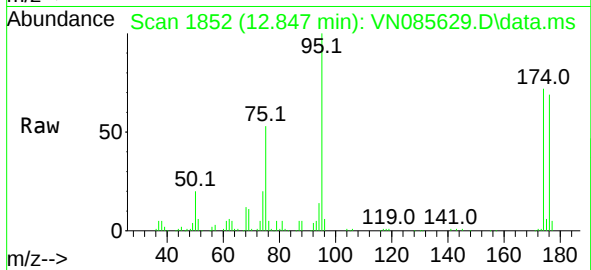




#76
1,2,3-Trichloropropane
Concen: 28.870 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 66248
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.110 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085629.D
Acq: 03 Feb 2025 18:01

Tgt Ion: 75 Resp: 66248
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

