

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085626.D
 Acq On : 03 Feb 2025 16:49
 Operator : JC\MD
 Sample : PB166424ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 00:59:21 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

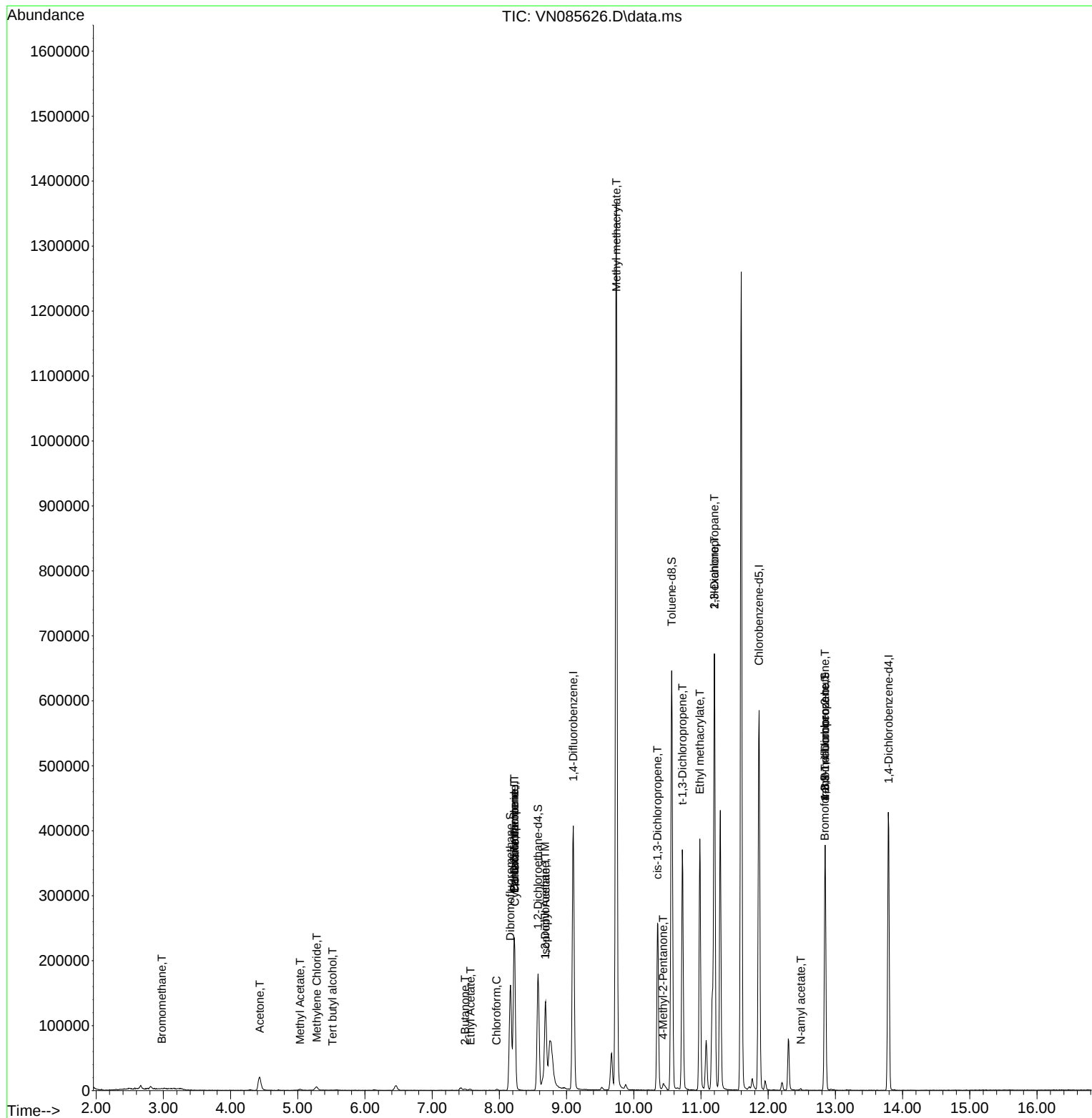
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	113313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	144116	55.064	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.120%	
35) Dibromofluoromethane	8.165	113	118271	49.164	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.320%	
50) Toluene-d8	10.565	98	447707	52.381	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.760%	
62) 4-Bromofluorobenzene	12.847	95	123509	42.243	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 84.480%	
Target Compounds						Qvalue
5) Bromomethane	2.977	94	379	0.263	ug/l #	68
11) Tert butyl alcohol	5.518	59	74	0.247	ug/l #	71
16) Acetone	4.436	43	39499	46.708	ug/l	92
18) Methyl Acetate	5.036	43	3218	1.251	ug/l #	63
20) Methylene Chloride	5.283	84	4012	1.916	ug/l	87
25) 2-Butanone	7.488	43	4048	3.253	ug/l #	85
30) Chloroform	7.959	83	1680	0.425	ug/l	99
31) Cyclohexane	8.229	56	4278	1.288	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	15149	4.487	ug/l #	51
37) Ethyl Acetate	7.571	43	3397	0.997	ug/l #	81
38) Carbon Tetrachloride	8.224	117	18852	4.877	ug/l #	19
42) 1,2-Dichloroethane	8.682	62	1016	0.266	ug/l #	76
43) Isopropyl Acetate	8.688	43	161717	29.616	ug/l #	85
48) Methyl methacrylate	9.741	41	124342	50.600	ug/l #	47
51) 4-Methyl-2-Pentanone	10.435	43	10867	3.430	ug/l #	75
53) t-1,3-Dichloropropene	10.723	75	1018	0.283	ug/l #	86
54) cis-1,3-Dichloropropene	10.353	75	46265	12.032	ug/l #	69
56) Ethyl methacrylate	10.982	69	2180	2.466	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6881	1.701	ug/l #	43
59) 2-Hexanone	11.200	43	74550	33.437	ug/l #	61
71) Bromoform	12.841	173	878	0.470	ug/l #	1
74) N-amyl acetate	12.488	43	1424	0.414	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	65897	28.612	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65897	77.412	ug/l #	3

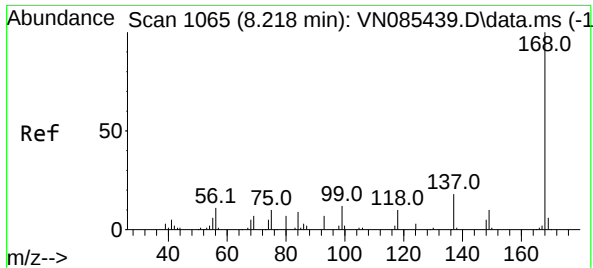
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
Data File : VN085626.D
Acq On : 03 Feb 2025 16:49
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

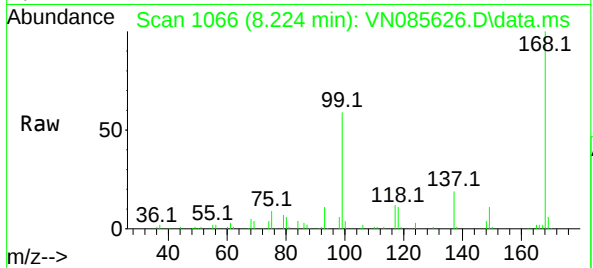
Quant Time: Feb 04 00:59:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
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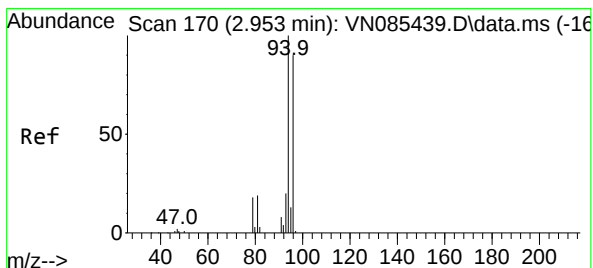
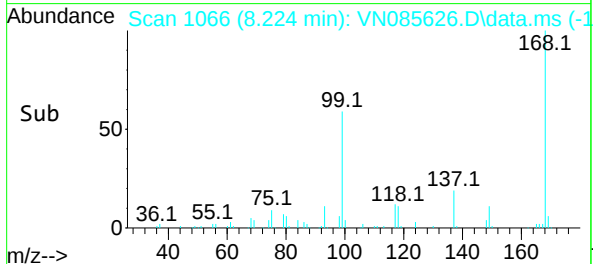
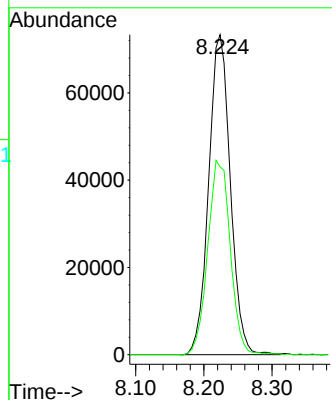


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :

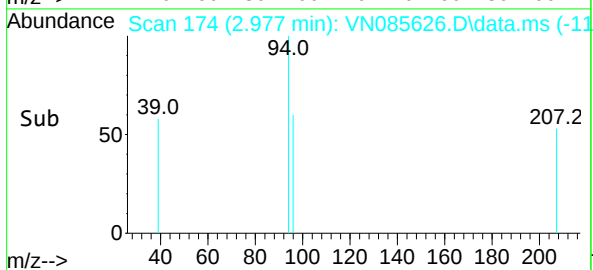
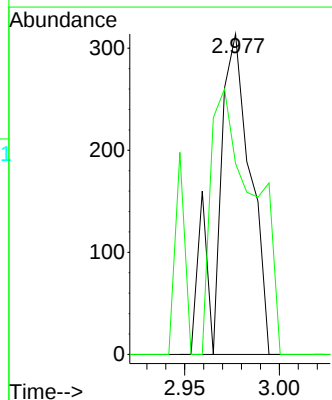
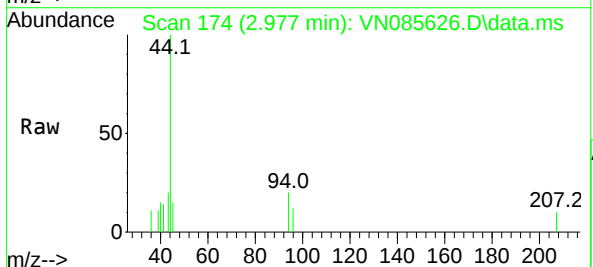


Tgt Ion:168 Resp: 162139
Ion Ratio Lower Upper
168 100
99 58.7 53.6 80.4



#5
Bromomethane
Concen: 0.263 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.023 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 59.6 71.8 107.6#

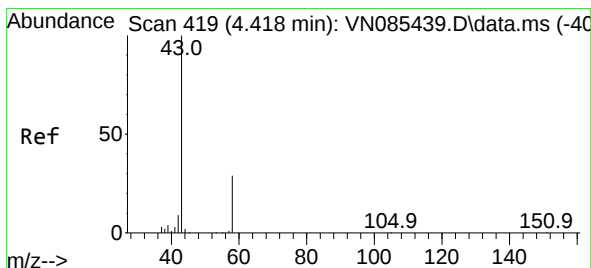
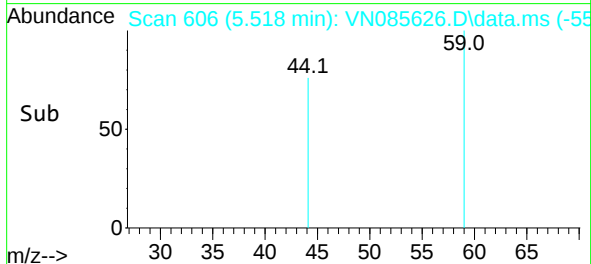
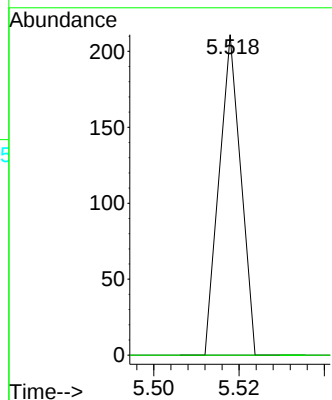
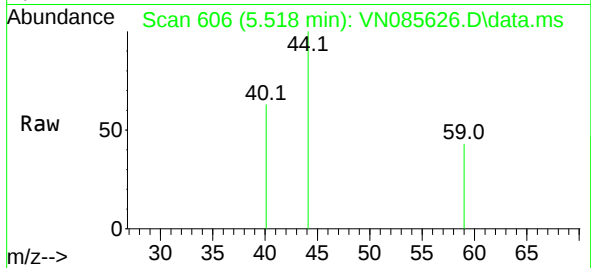




#11
Tert butyl alcohol
Concen: 0.247 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

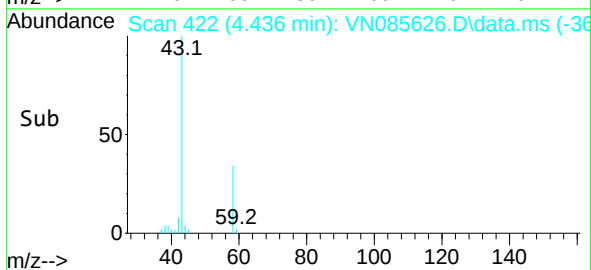
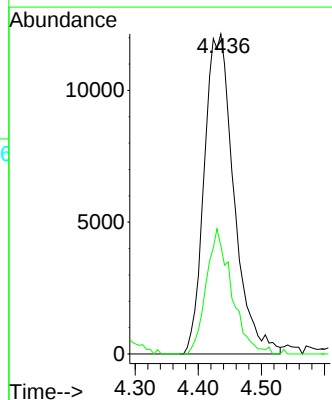
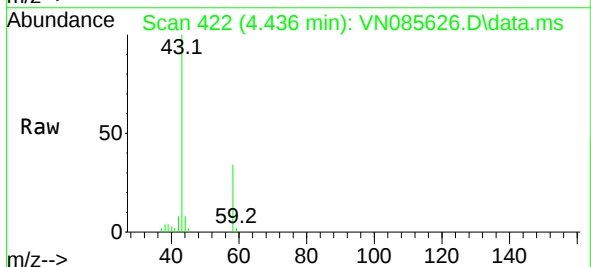
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 46.708 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

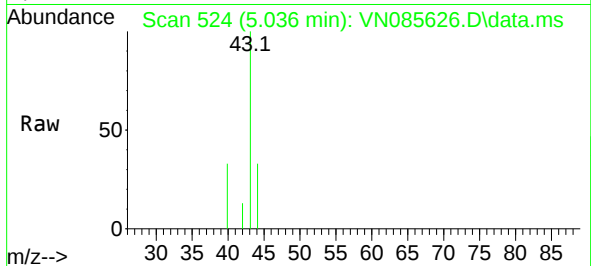
Tgt Ion: 43 Resp: 39499
Ion Ratio Lower Upper
43 100
58 33.8 23.8 35.6



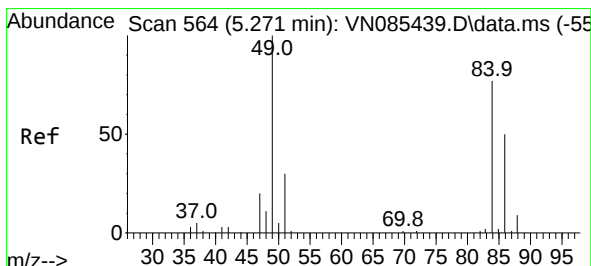
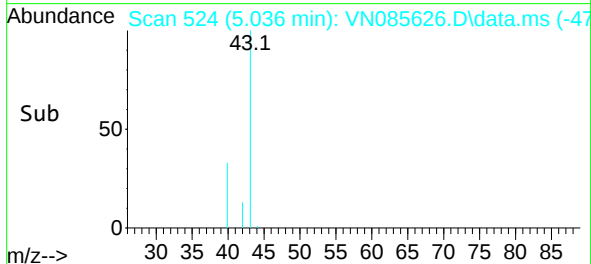
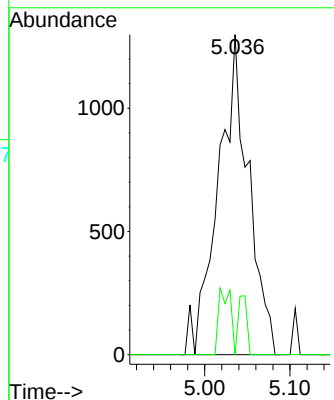


#18
Methyl Acetate
Concen: 1.251 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :

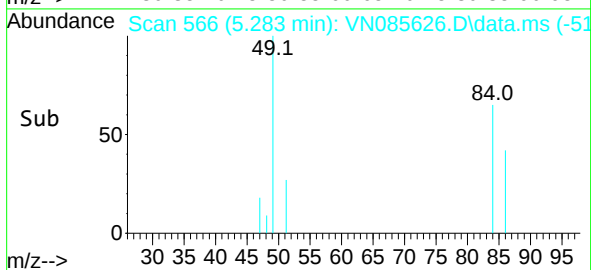
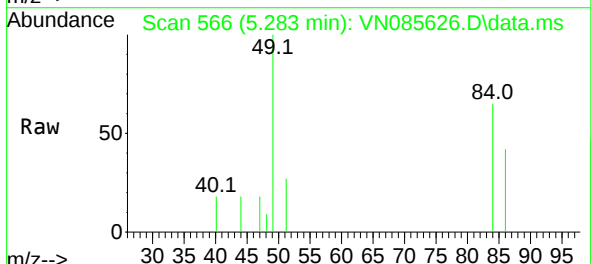
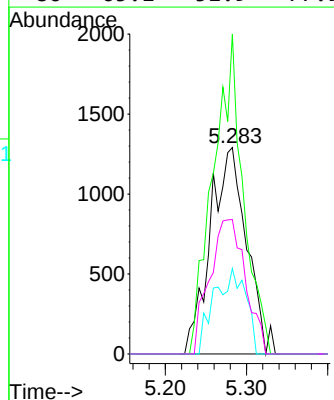


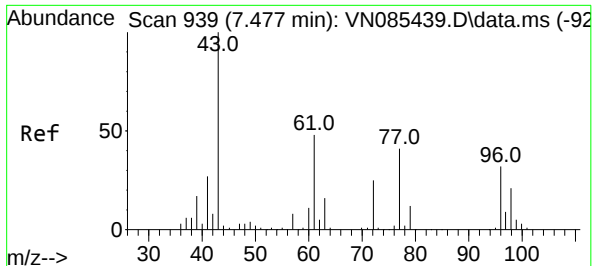
Tgt Ion: 43 Resp: 3218
Ion Ratio Lower Upper
43 100
74 5.2 18.6 28.0#



#20
Methylene Chloride
Concen: 1.916 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 84 Resp: 4012
Ion Ratio Lower Upper
84 100
49 155.0 104.1 156.1
51 41.4 31.0 46.4
86 65.1 51.9 77.9





#25

2-Butanone

Concen: 3.253 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN085626.D

Acq: 03 Feb 2025 16:49

Instrument :

MSVOA_N

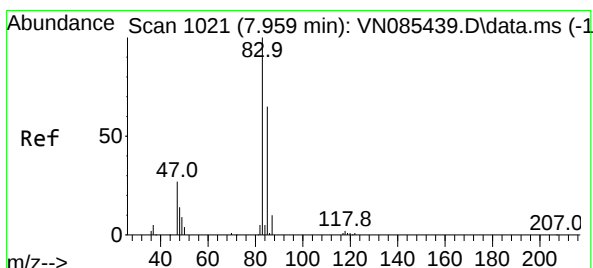
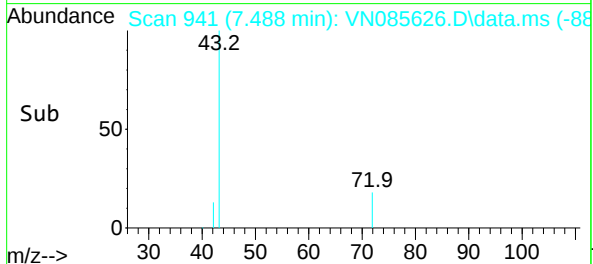
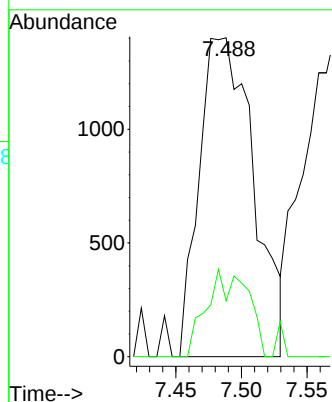
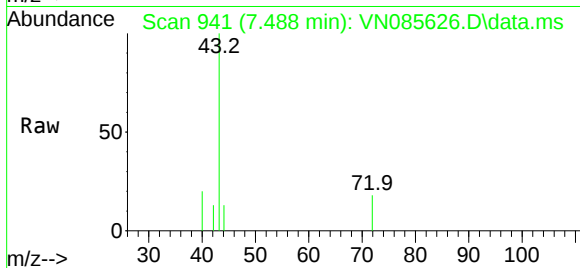
ClientSampleId :

Tgt Ion: 43 Resp: 4048

Ion Ratio Lower Upper

43 100

72 17.5 20.2 30.4#



#30

Chloroform

Concen: 0.425 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085626.D

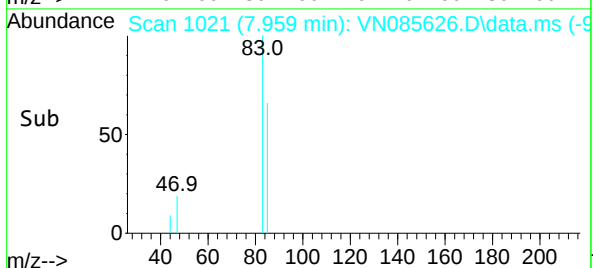
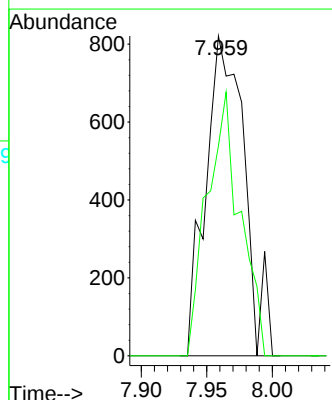
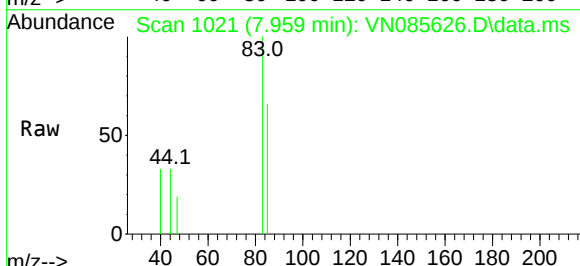
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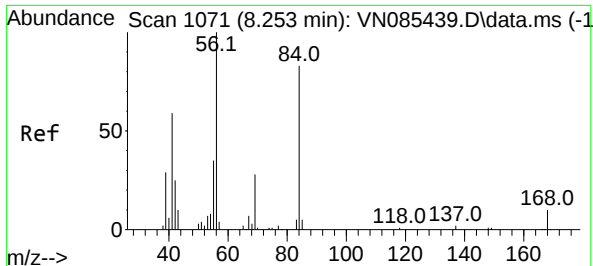
Tgt Ion: 83 Resp: 1680

Ion Ratio Lower Upper

83 100

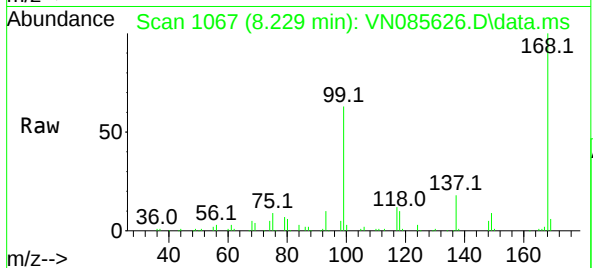
85 65.7 51.8 77.6



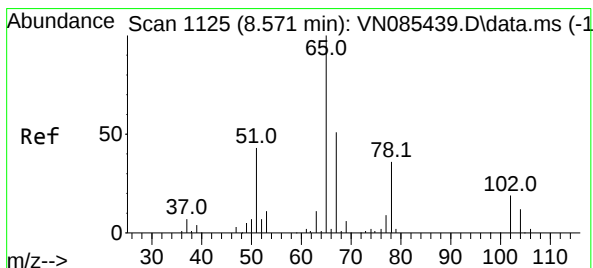
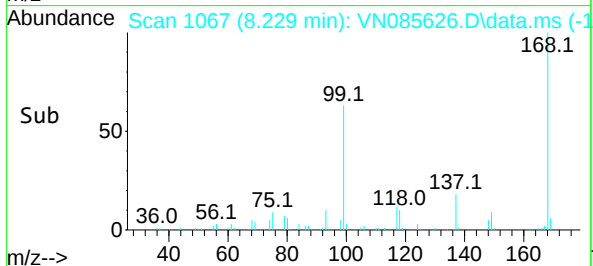
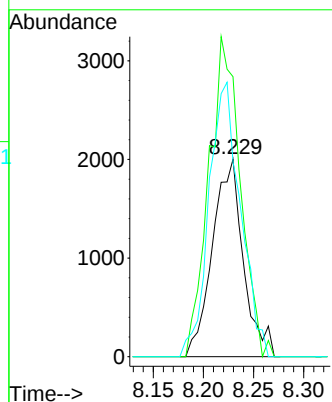


#31
Cyclohexane
Concen: 1.288 ug/l
RT: 8.229 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :

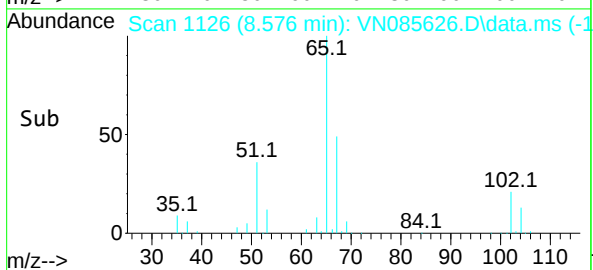
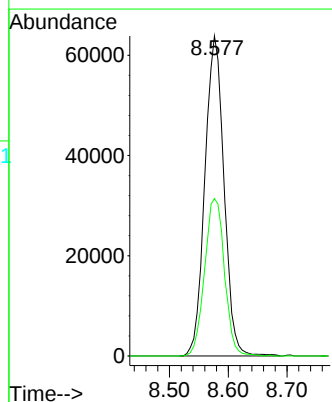
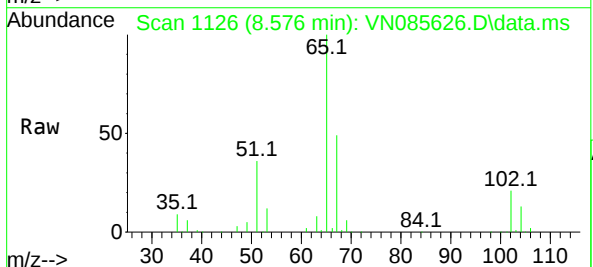


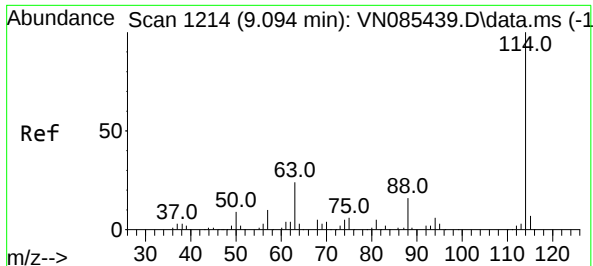
Tgt Ion: 56 Resp: 4278
Ion Ratio Lower Upper
56 100
69 141.8 22.2 33.4#
84 98.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 55.064 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 65 Resp: 144116
Ion Ratio Lower Upper
65 100
67 51.0 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: VN085626.D

Acq: 03 Feb 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

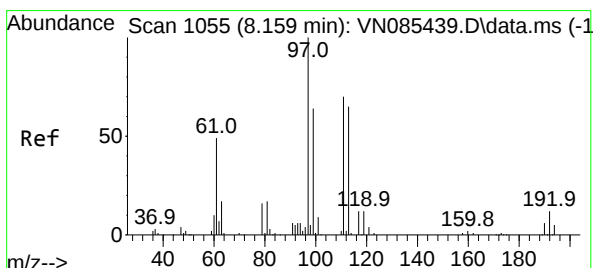
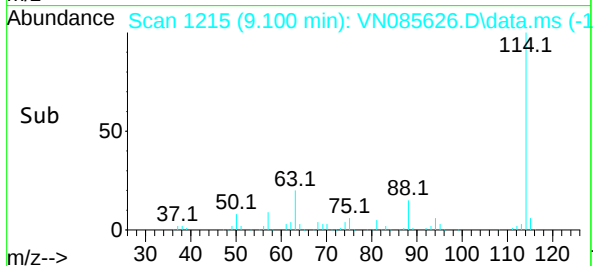
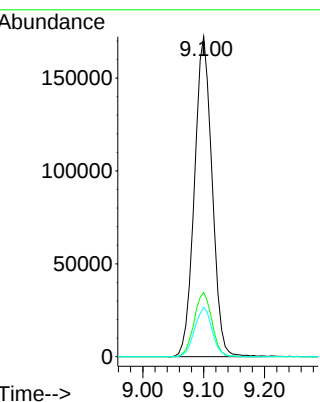
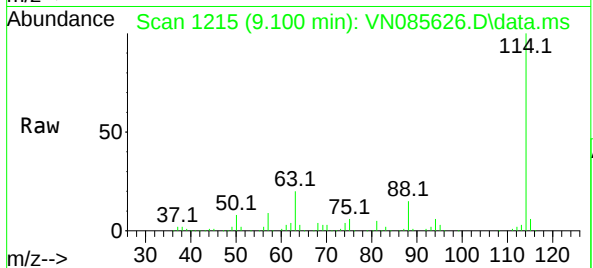
Tgt Ion:114 Resp: 346754

Ion Ratio Lower Upper

114 100

63 20.1 0.0 47.6

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.164 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085626.D

Acq: 03 Feb 2025 16:49

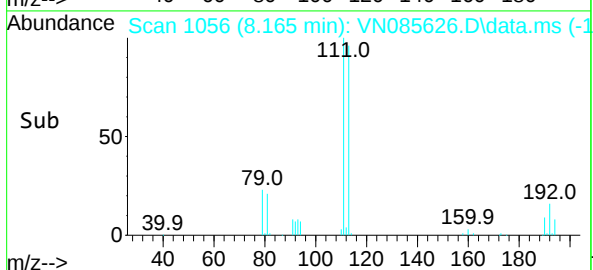
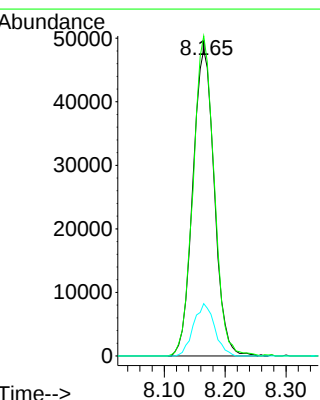
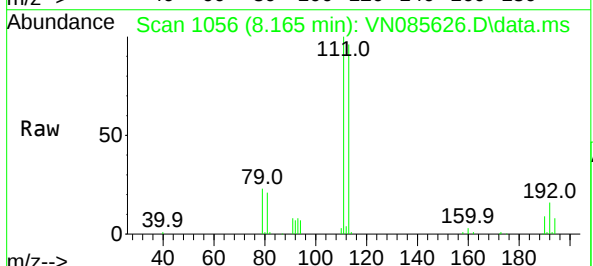
Tgt Ion:113 Resp: 118271

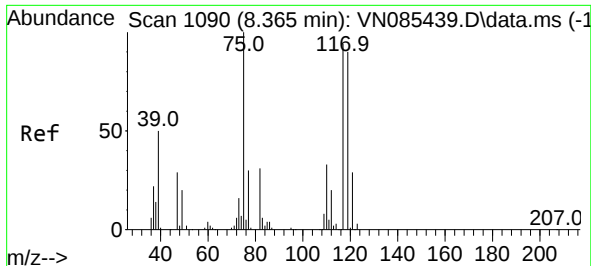
Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

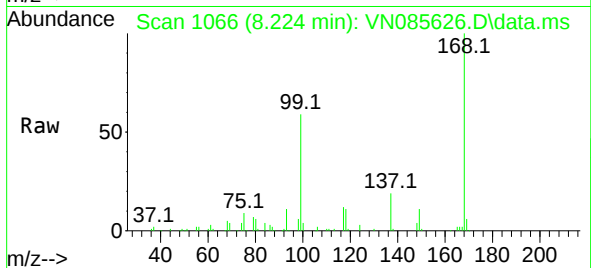
192 16.8 14.3 21.5



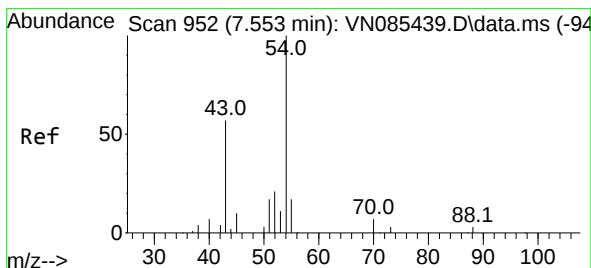
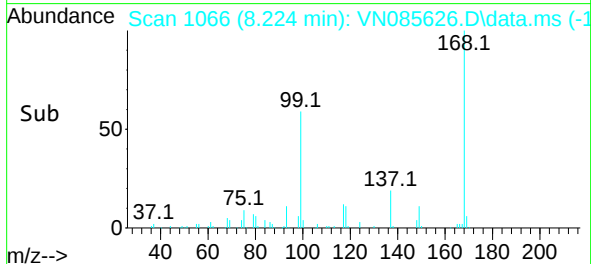
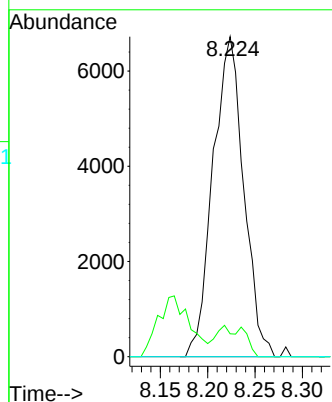


#36
1,1-Dichloropropene
Concen: 4.487 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :

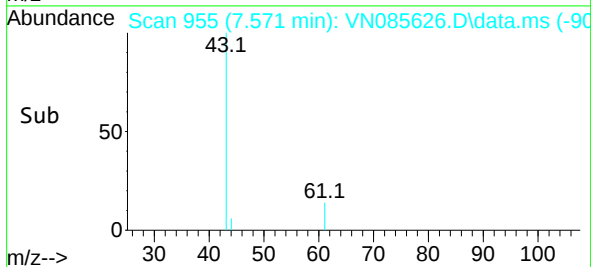
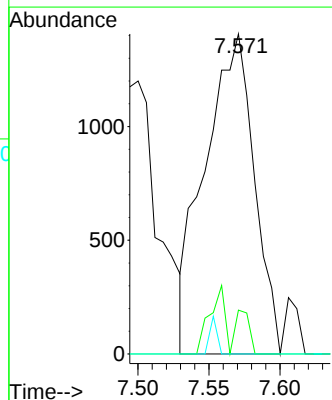
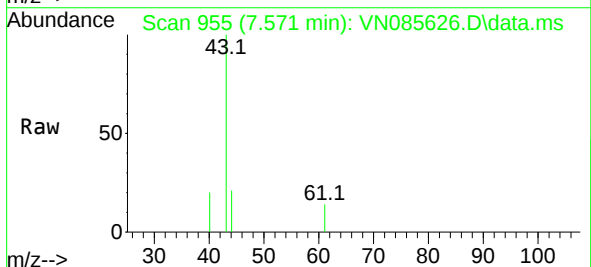


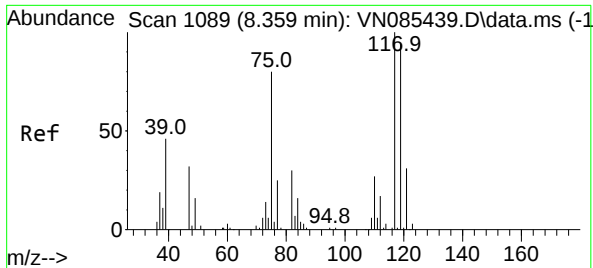
Tgt Ion: 75 Resp: 15149
Ion Ratio Lower Upper
75 100
110 8.8 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.997 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.018 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

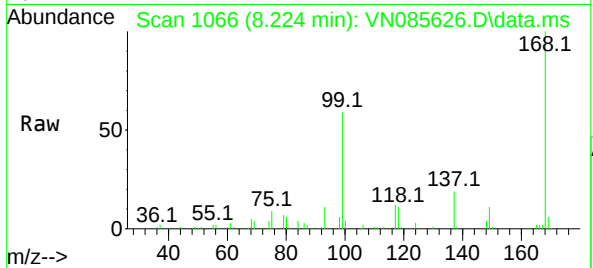
Tgt Ion: 43 Resp: 3397
Ion Ratio Lower Upper
43 100
61 6.7 10.9 16.3#
70 1.7 7.5 11.3#



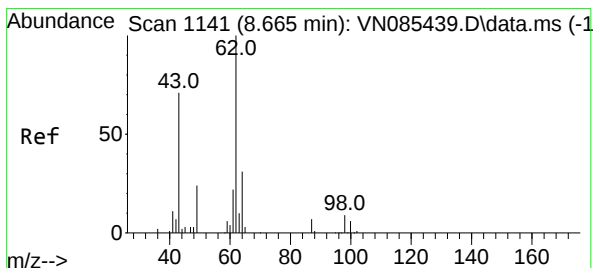
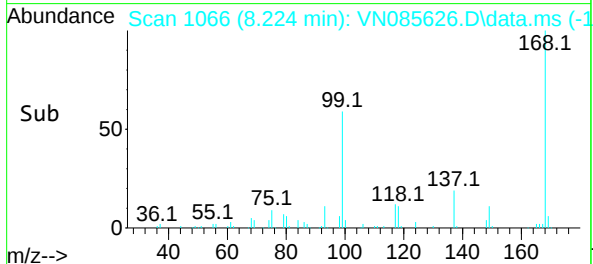
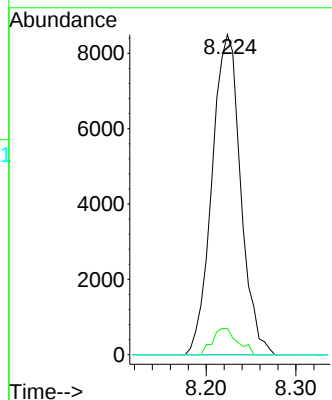


#38
Carbon Tetrachloride
Concen: 4.877 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :

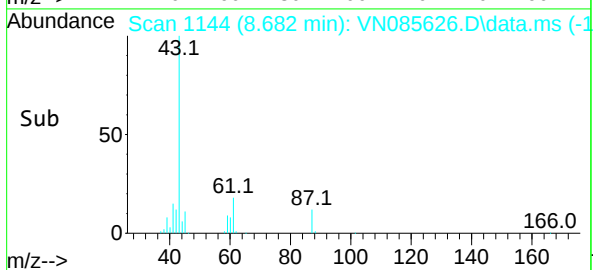
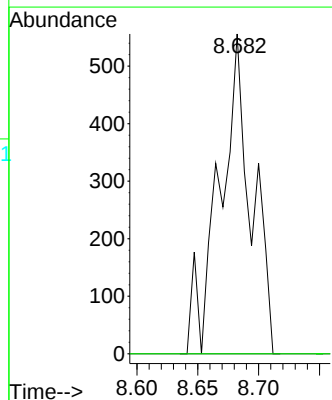
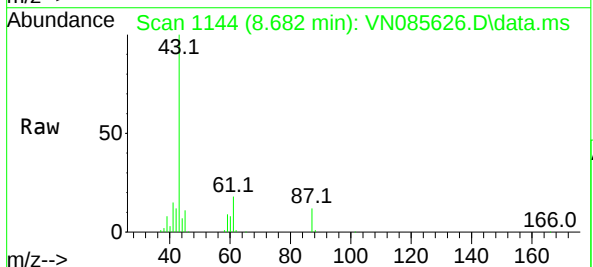


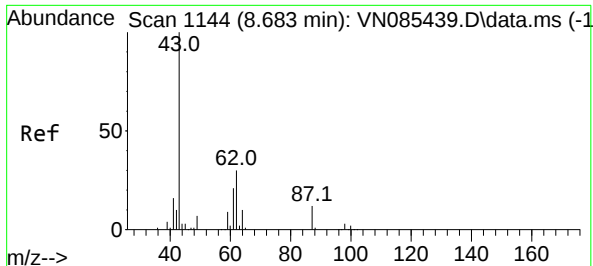
Tgt Ion:117 Resp: 18852
Ion Ratio Lower Upper
117 100
119 8.1 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.266 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

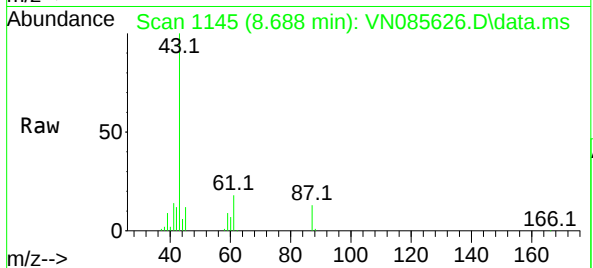
Tgt Ion: 62 Resp: 1016
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



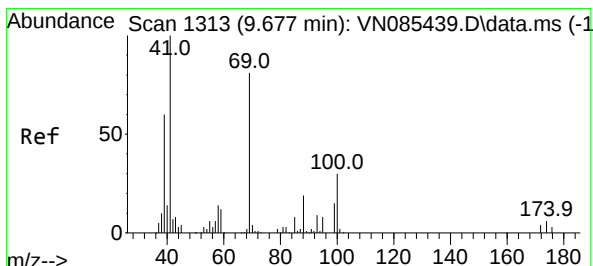
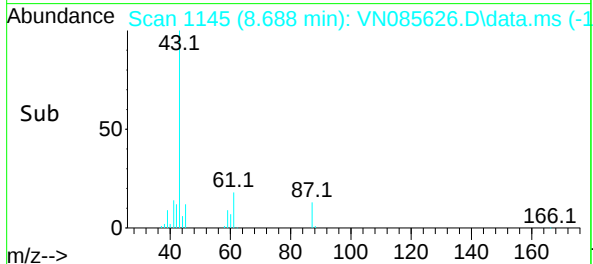
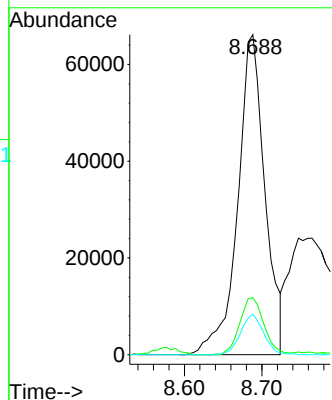


#43
Isopropyl Acetate
Concen: 29.616 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :

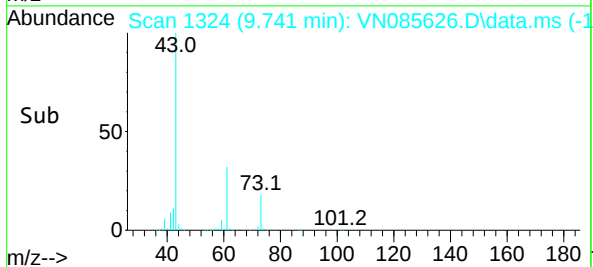
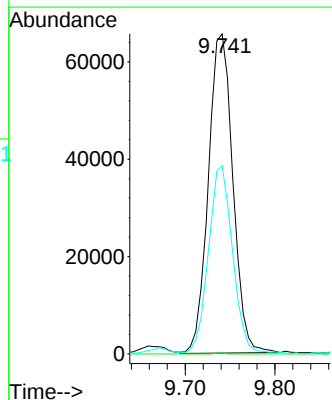
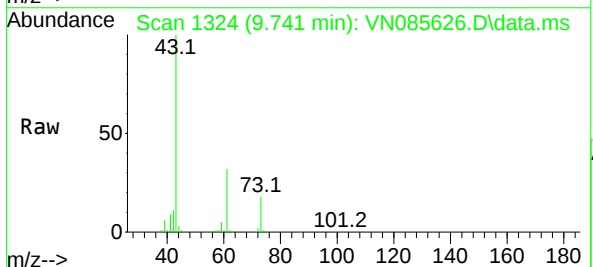


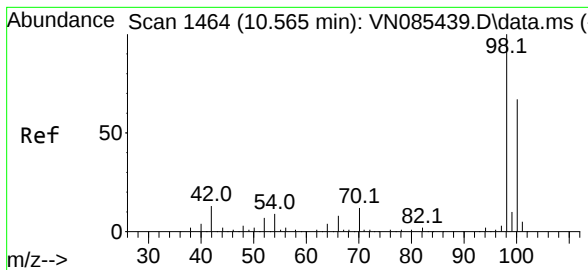
Tgt Ion: 43 Resp: 161717
Ion Ratio Lower Upper
43 100
61 15.9 20.7 31.1#
87 10.6 9.8 14.8



#48
Methyl methacrylate
Concen: 50.600 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.064 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 41 Resp: 124342
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 58.5 49.0 73.6

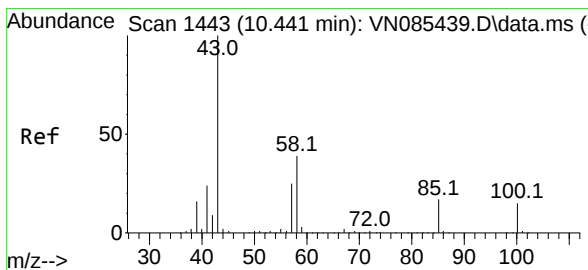
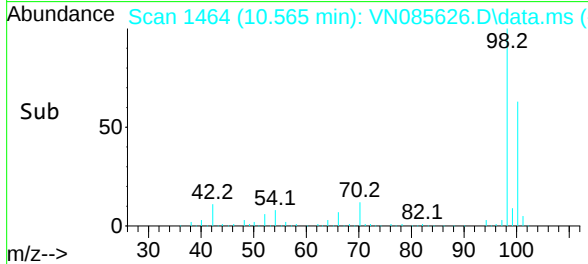
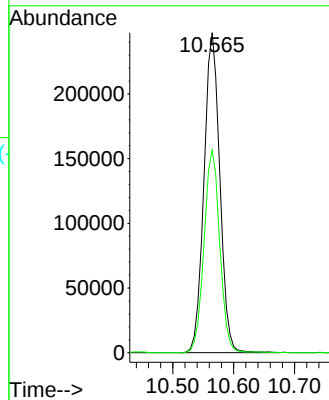
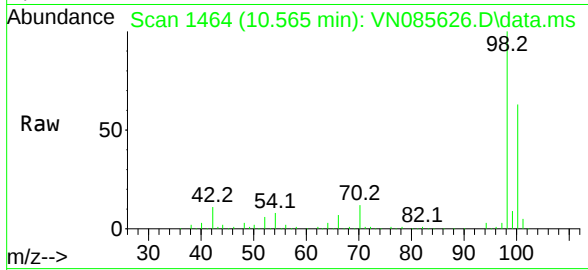




#50
Toluene-d8
Concen: 52.381 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

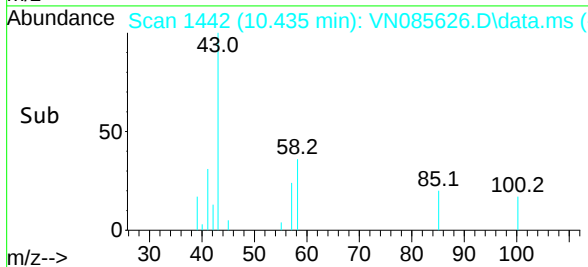
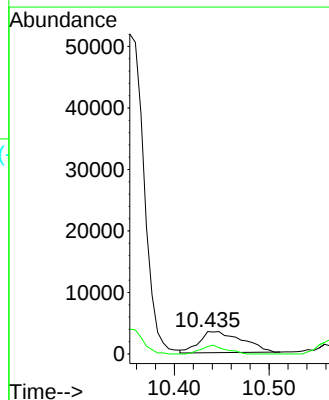
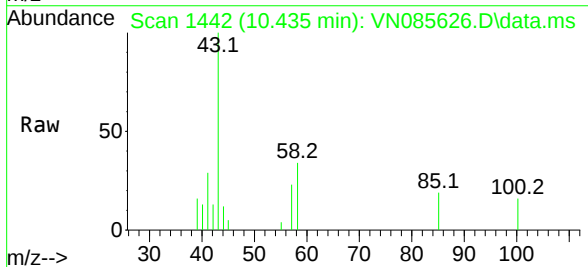
Instrument :
MSVOA_N
ClientSampleId :

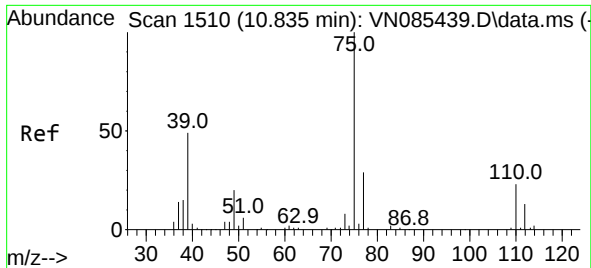
Tgt Ion: 98 Resp: 447707
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 43 Resp: 10867
Ion Ratio Lower Upper
43 100
58 23.1 30.5 45.7#

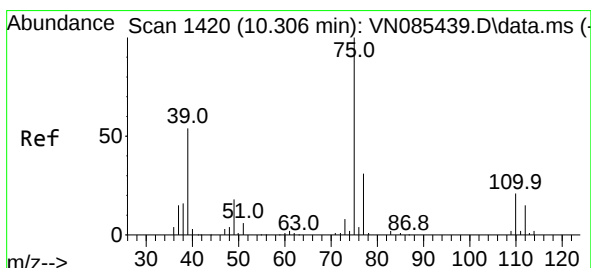
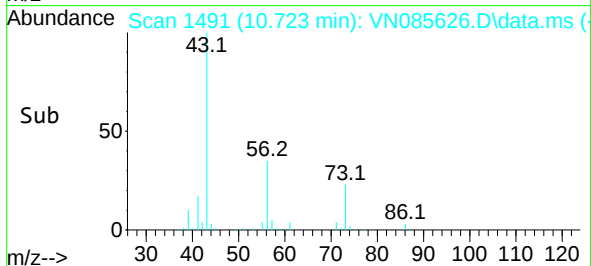
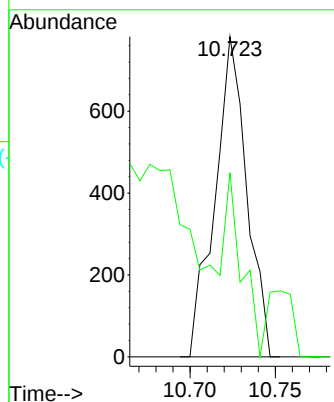
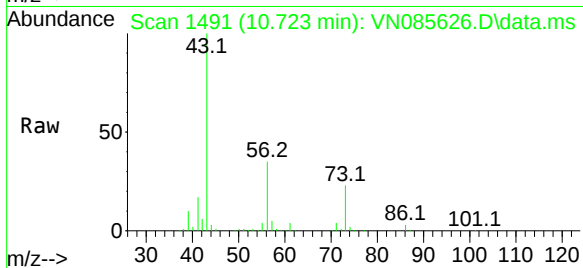




#53
 t-1,3-Dichloropropene
 Concen: 0.283 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085626.D
 Acq: 03 Feb 2025 16:49

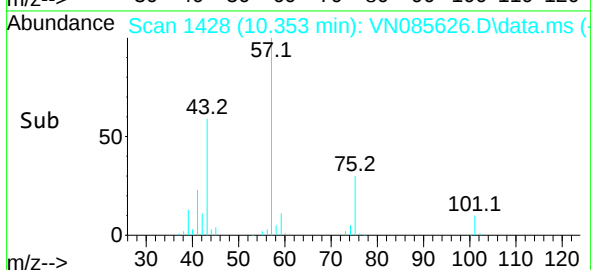
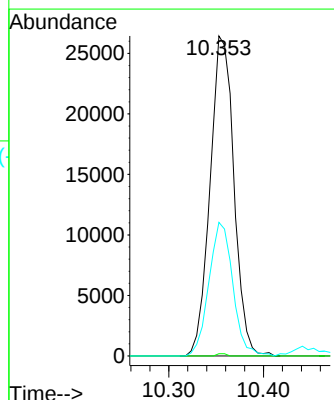
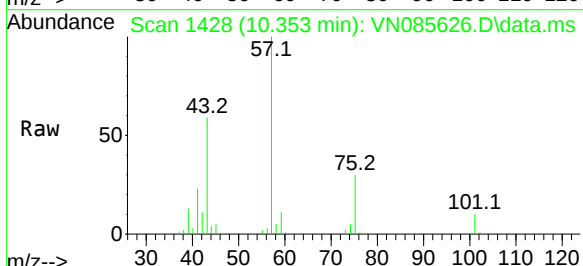
Instrument :
 MSVOA_N
 ClientSampleId :

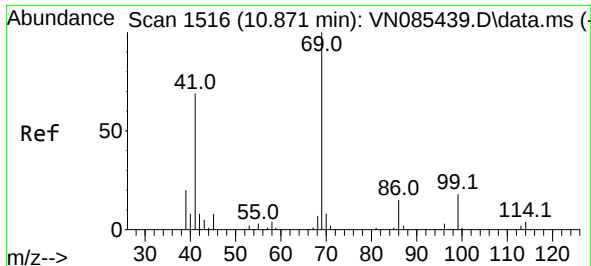
Tgt Ion: 75 Resp: 1018
 Ion Ratio Lower Upper
 75 100
 77 37.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.032 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085626.D
 Acq: 03 Feb 2025 16:49

Tgt Ion: 75 Resp: 46265
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 41.8 43.1 64.7#

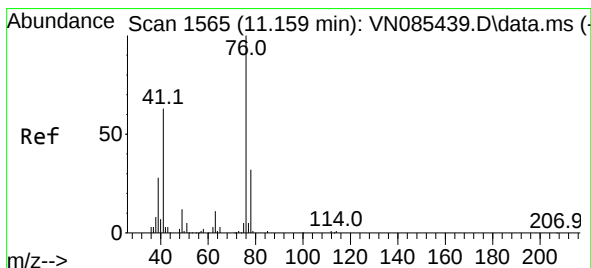
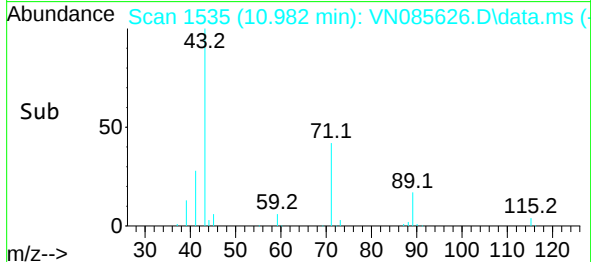
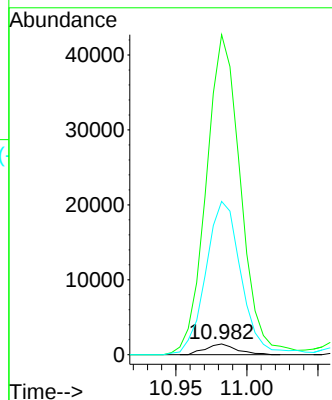
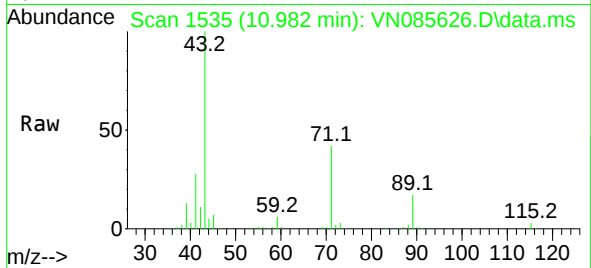




#56
Ethyl methacrylate
Concen: 2.466 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

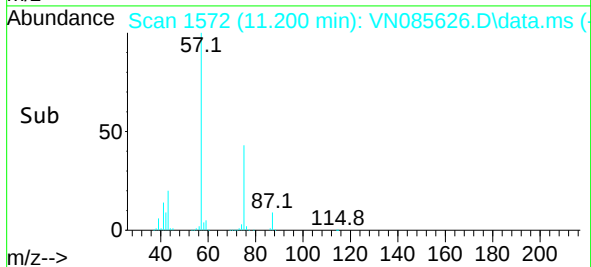
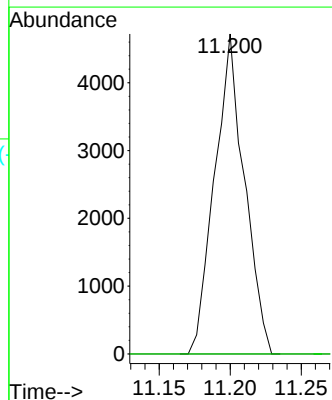
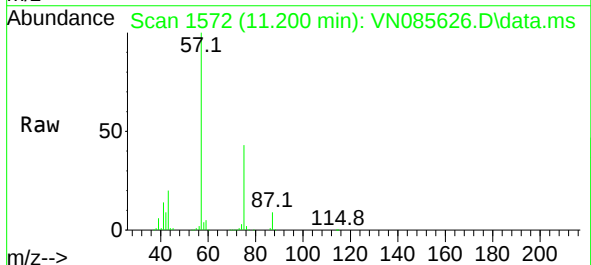
Instrument :
MSVOA_N
ClientSampleId :

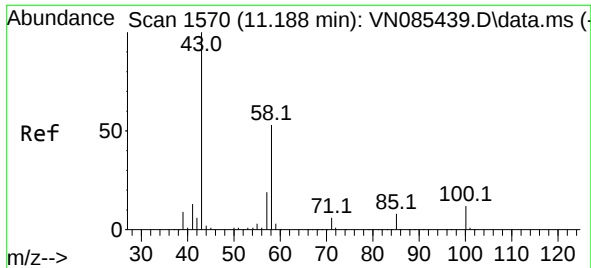
Tgt Ion: 69 Resp: 2180
Ion Ratio Lower Upper
69 100
41 3297.8 54.6 82.0#
39 1634.9 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.701 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 76 Resp: 6881
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

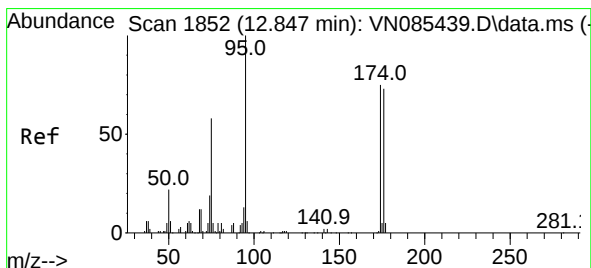
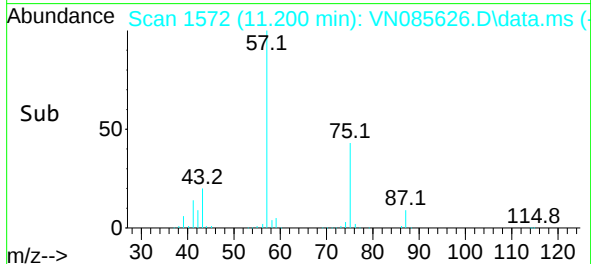
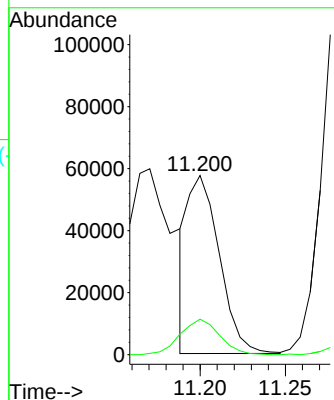
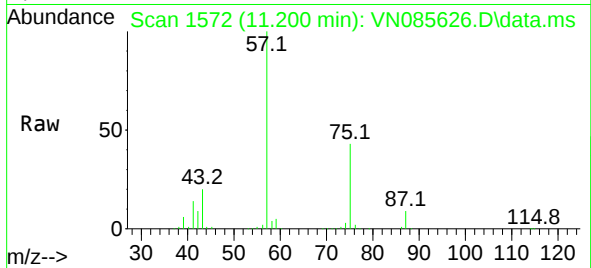




#59
2-Hexanone
Concen: 33.437 ug/l
RT: 11.200 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

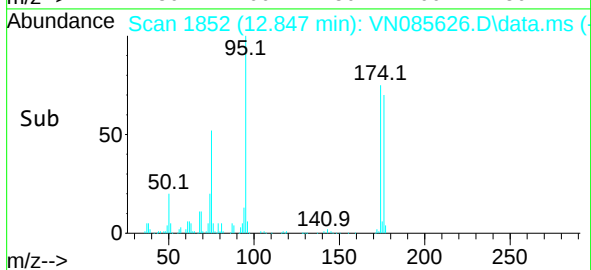
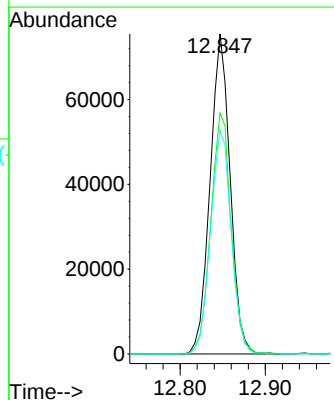
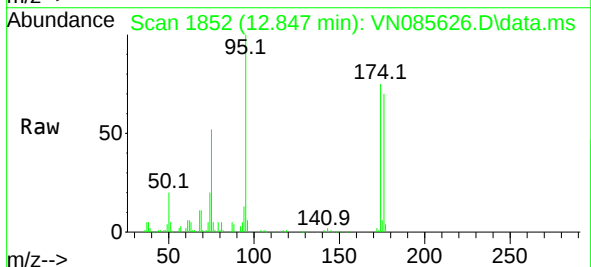
Instrument :
MSVOA_N
ClientSampleId :

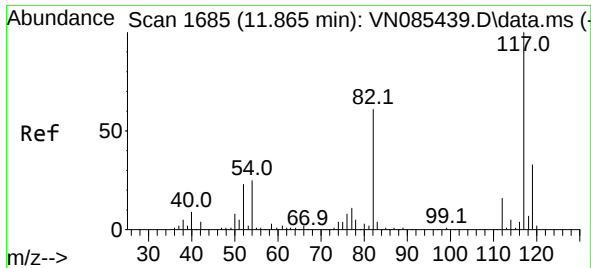
Tgt Ion: 43 Resp: 74550
Ion Ratio Lower Upper
43 100
58 24.6 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 42.243 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 95 Resp: 123509
Ion Ratio Lower Upper
95 100
174 76.8 0.0 145.0
176 72.5 0.0 142.4

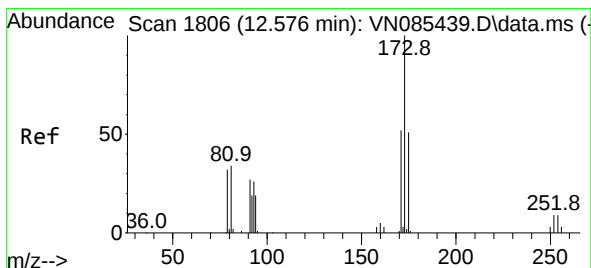
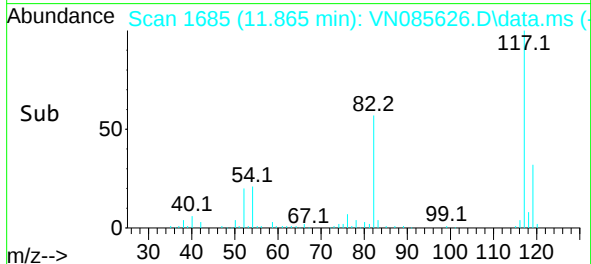
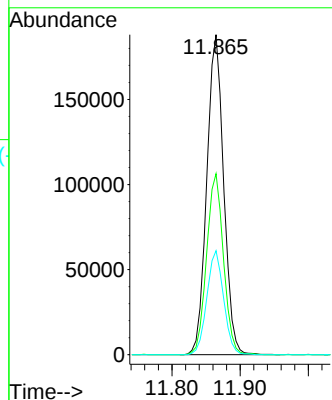
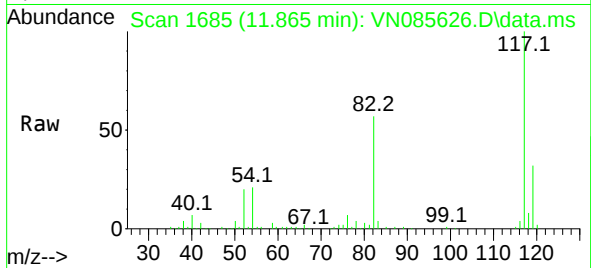




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

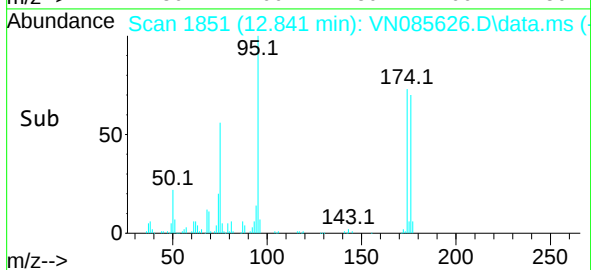
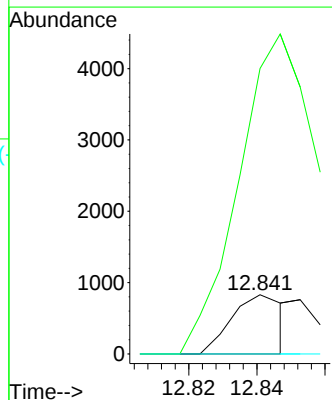
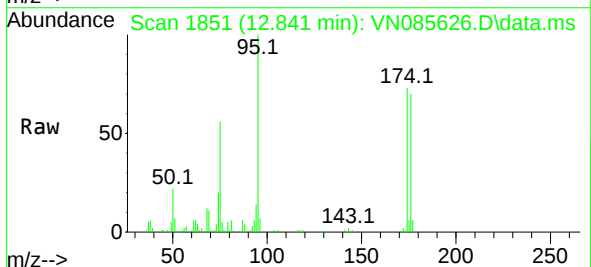
Instrument :
MSVOA_N
ClientSampleId :

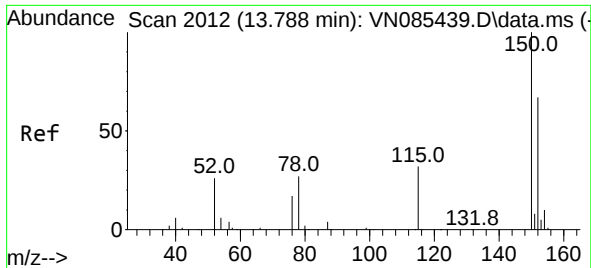
Tgt Ion:117 Resp: 324417
Ion Ratio Lower Upper
117 100
82 56.6 48.6 72.8
119 32.5 26.6 39.8



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion:173 Resp: 878
Ion Ratio Lower Upper
173 100
175 662.2 24.4 73.2#
254 0.0 0.0 0.0

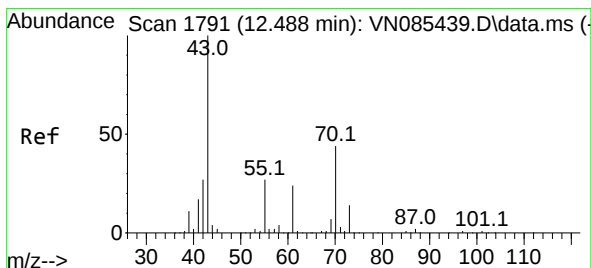
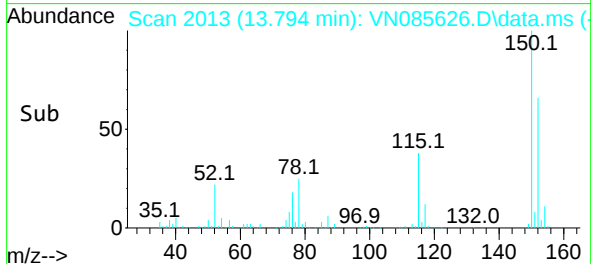
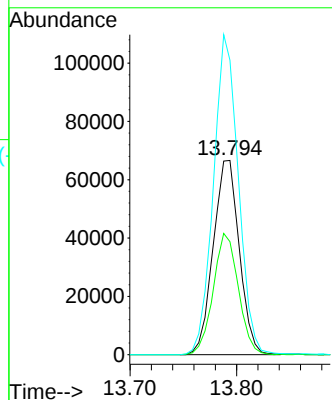
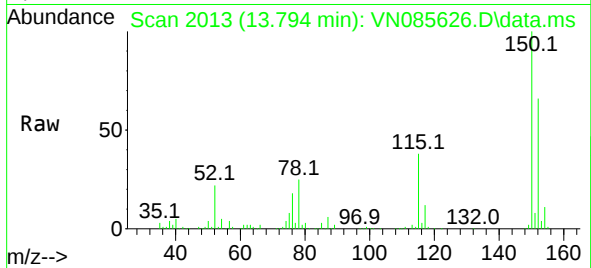




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

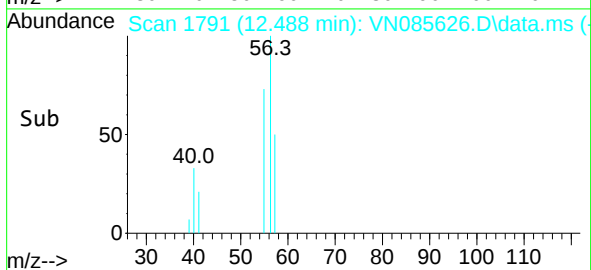
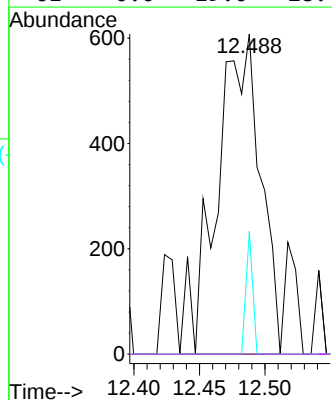
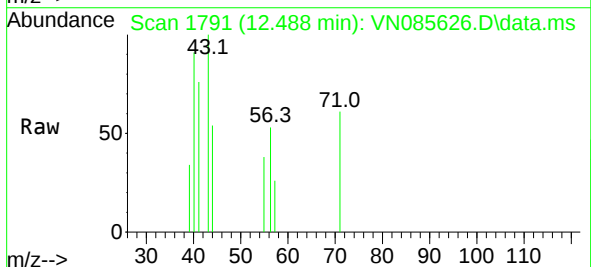
Instrument :
MSVOA_N
ClientSampleId :

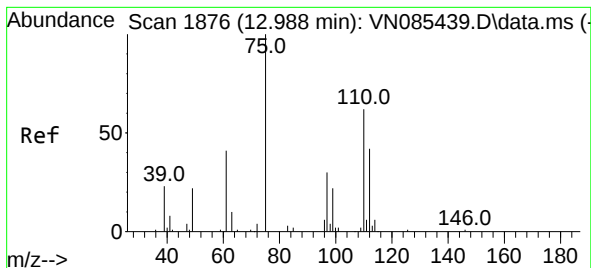
Tgt Ion:152 Resp: 113313
Ion Ratio Lower Upper
152 100
115 60.1 31.1 93.3
150 158.0 0.0 343.6



#74
N-amy1 acetate
Concen: 0.414 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085626.D
Acq: 03 Feb 2025 16:49

Tgt Ion: 43 Resp: 1424
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 5.8 21.4 32.2#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 28.612 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085626.D

Acq: 03 Feb 2025 16:49

Instrument :

MSVOA_N

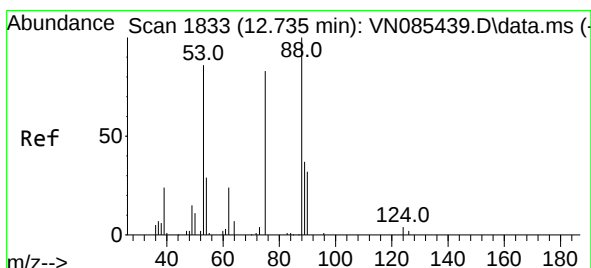
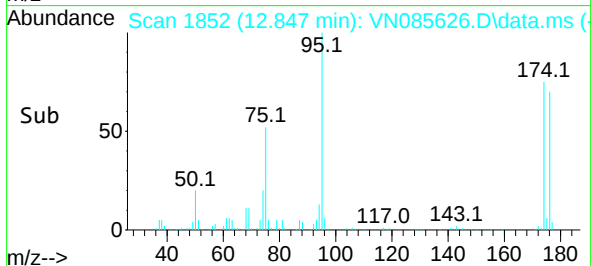
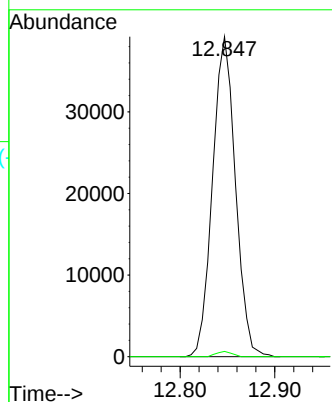
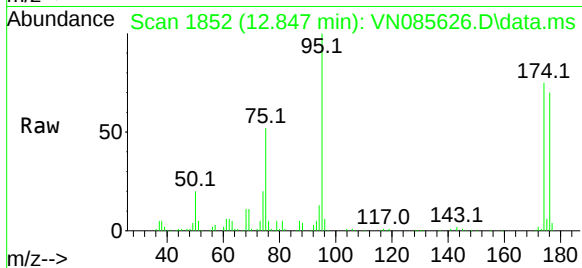
ClientSampleId :

Tgt Ion: 75 Resp: 65897

Ion Ratio Lower Upper

75 100

77 1.1 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.412 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085626.D

Acq: 03 Feb 2025 16:49

Tgt Ion: 75 Resp: 65897

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 37.0 55.6#

