

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085554.D
 Acq On : 29 Jan 2025 13:52
 Operator : JC\MD
 Sample : Q1205-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:34:39 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)

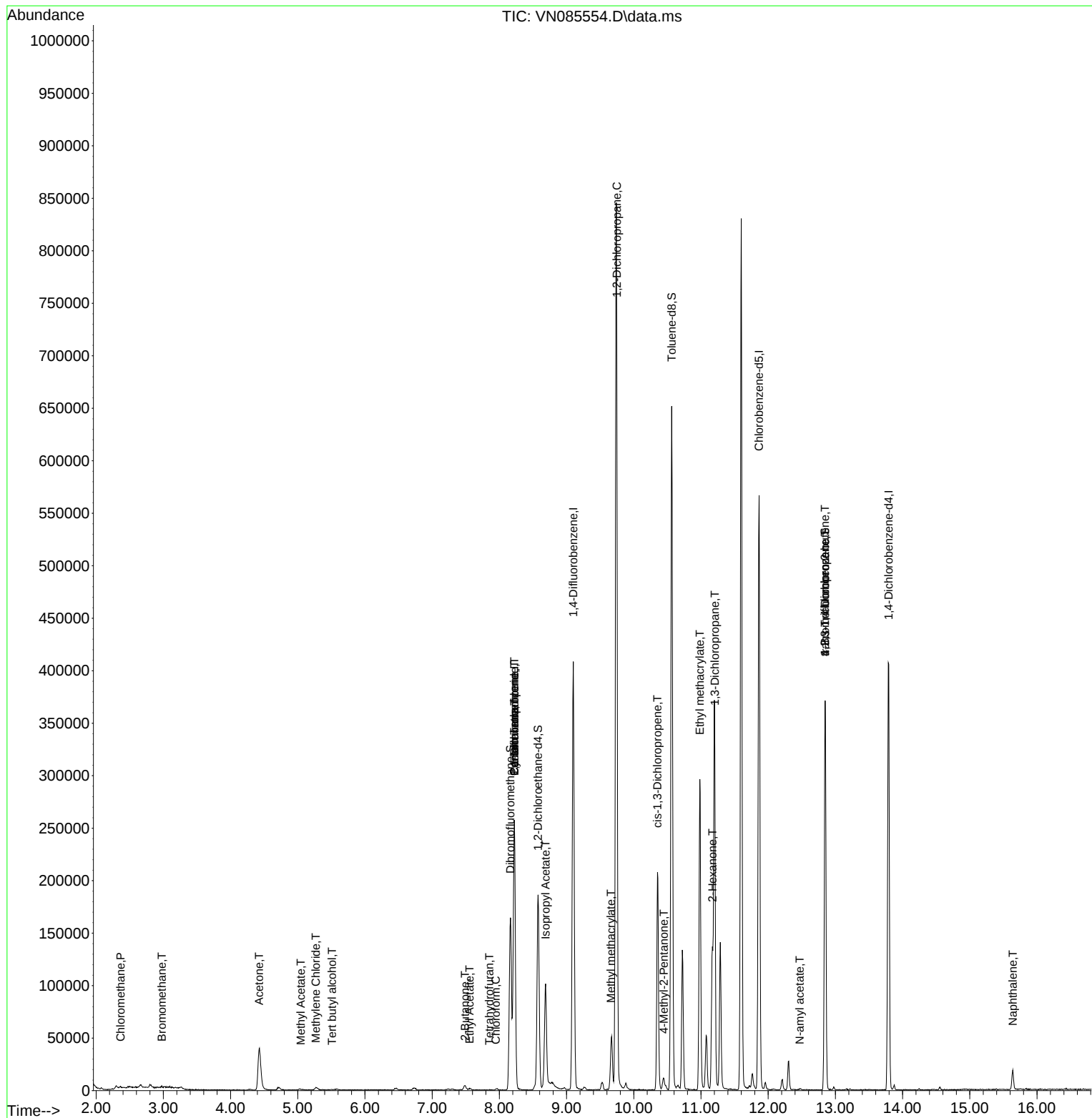
Internal Standards						
1) Pentafluorobenzene	8.224	168	172063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	326014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	156416	56.316	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.640%		
35) Dibromofluoromethane	8.165	113	117397	51.906	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.820%		
50) Toluene-d8	10.565	98	424827	52.866	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.740%		
62) 4-Bromofluorobenzene	12.847	95	121591	44.233	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 88.460%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	650	0.258	ug/l #	41
5) Bromomethane	2.977	94	662	0.432	ug/l #	71
11) Tert butyl alcohol	5.512	59	571	1.795	ug/l #	71
16) Acetone	4.424	43	77976	86.889	ug/l	95
18) Methyl Acetate	5.047	43	2129	0.780	ug/l #	52
20) Methylene Chloride	5.271	84	1938	0.872	ug/l #	59
25) 2-Butanone	7.488	43	7968	6.033	ug/l	97
29) Tetrahydrofuran	7.853	42	203	0.242	ug/l #	34
30) Chloroform	7.947	83	1447	0.345	ug/l #	57
31) Cyclohexane	8.224	56	4556	1.293	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	15775	4.970	ug/l #	52
37) Ethyl Acetate	7.559	43	2886	0.901	ug/l #	76
38) Carbon Tetrachloride	8.224	117	19121	5.262	ug/l #	17
43) Isopropyl Acetate	8.688	43	116481	22.688	ug/l #	87
45) 1,2-Dichloropropane	9.747	63	1013	0.416	ug/l #	43
48) Methyl methacrylate	9.659	41	3595	1.556	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	10832	3.636	ug/l #	81
54) cis-1,3-Dichloropropene	10.353	75	32234	8.916	ug/l #	76
56) Ethyl methacrylate	10.982	69	1739	2.385	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3622	0.952	ug/l #	43
59) 2-Hexanone	11.170	43	103606	49.425	ug/l #	26
74) N-amyl acetate	12.470	43	805	0.246	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	69135	31.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69135	85.154	ug/l #	3
95) Naphthalene	15.641	128	16913	3.484	ug/l	98

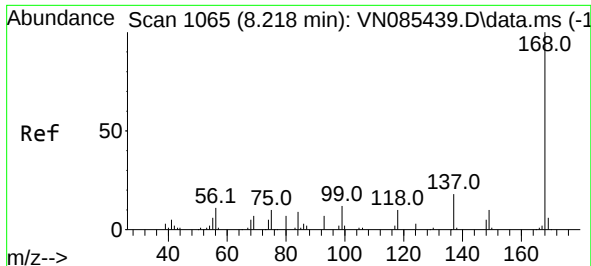
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 30 00:34:39 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

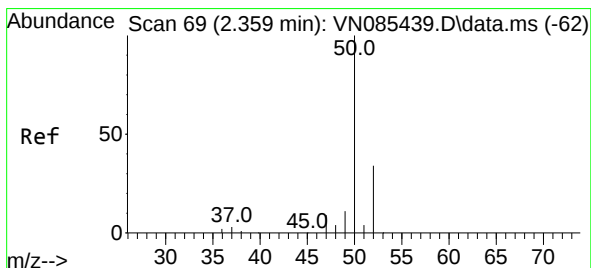
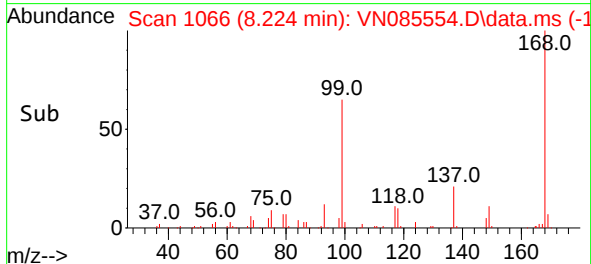
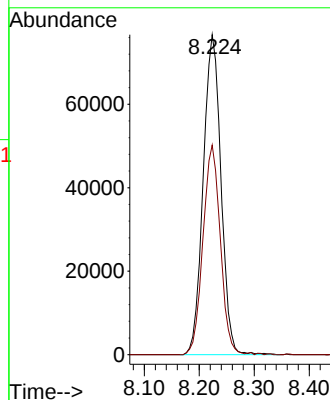
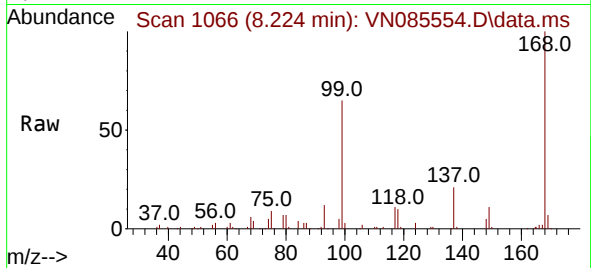




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

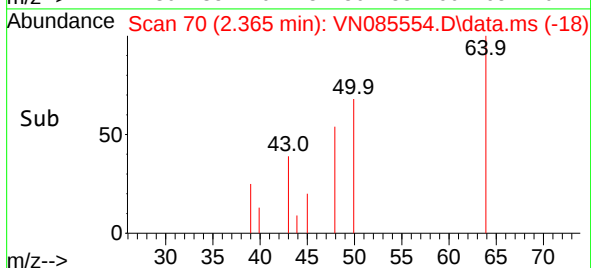
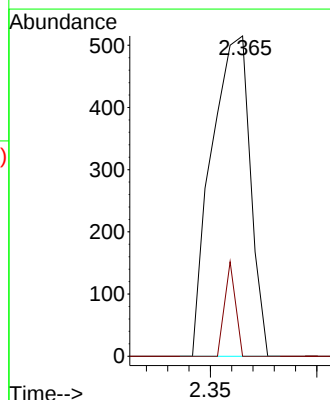
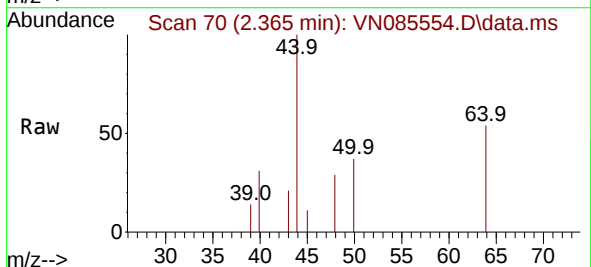
Instrument :
MSVOA_N
ClientSampleId :

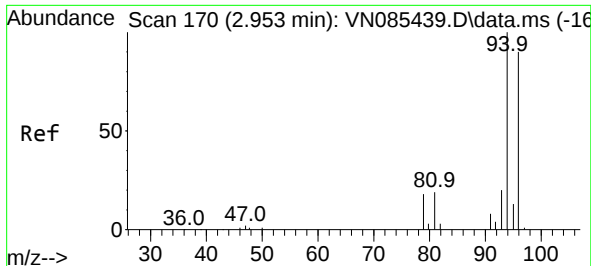
Tgt Ion:168 Resp: 172063
Ion Ratio Lower Upper
168 100
99 65.5 53.6 80.4



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

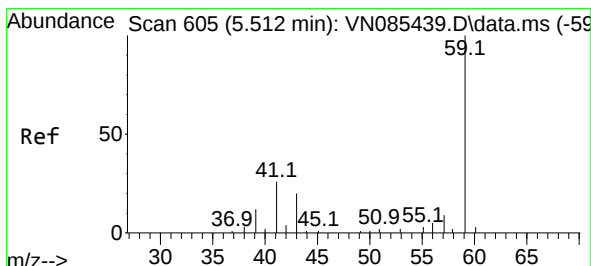
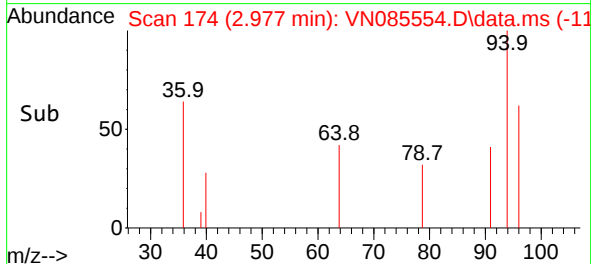
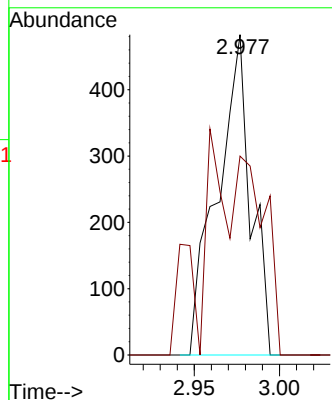
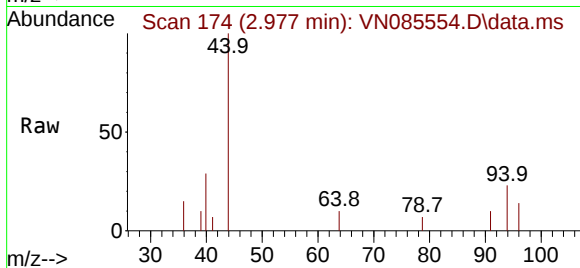




#5
Bromomethane
Concen: 0.432 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

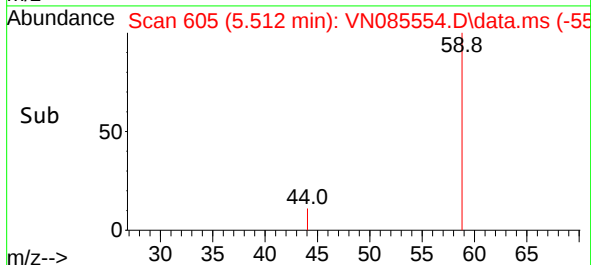
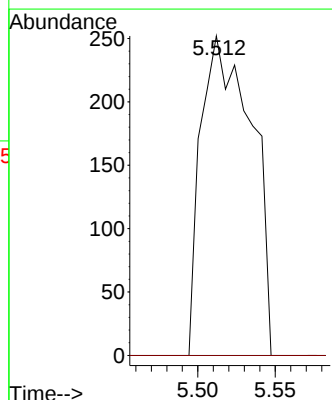
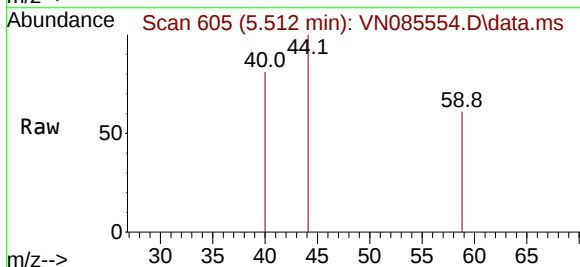
Instrument :
MSVOA_N
ClientSampleId :

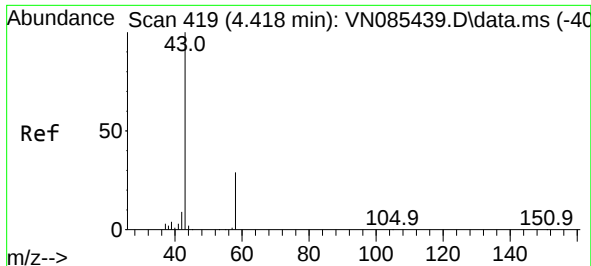
Tgt Ion: 94 Resp: 662
Ion Ratio Lower Upper
94 100
96 62.1 71.8 107.6#



#11
Tert butyl alcohol
Concen: 1.795 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

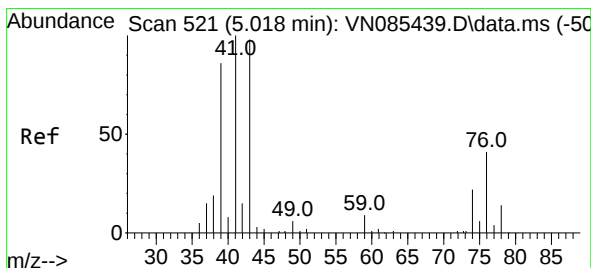
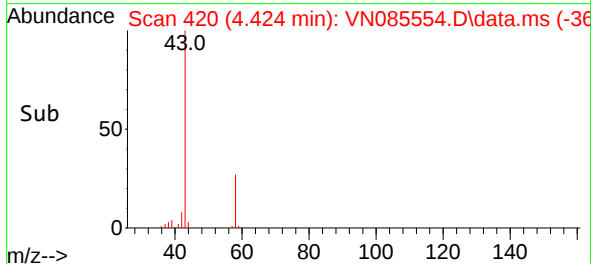
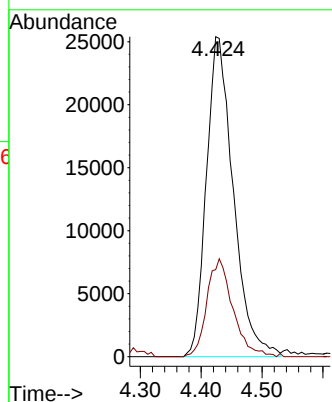
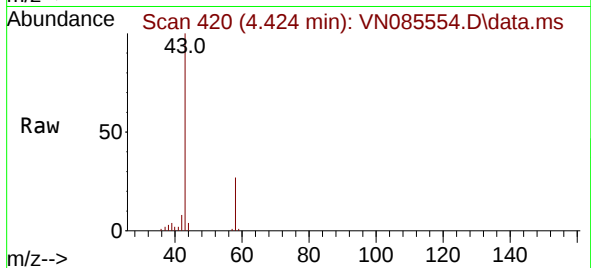




#16
Acetone
Concen: 86.889 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

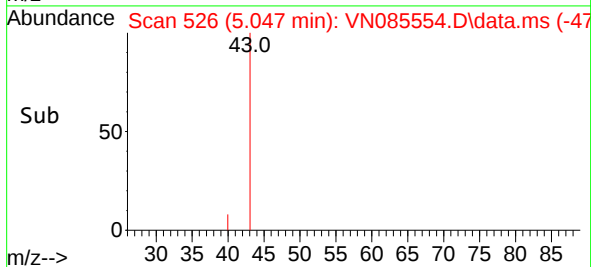
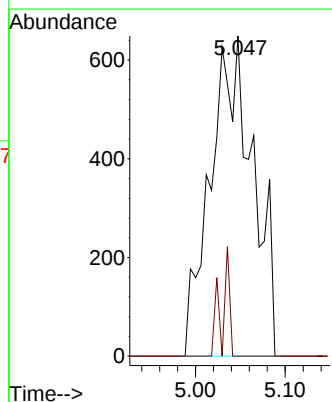
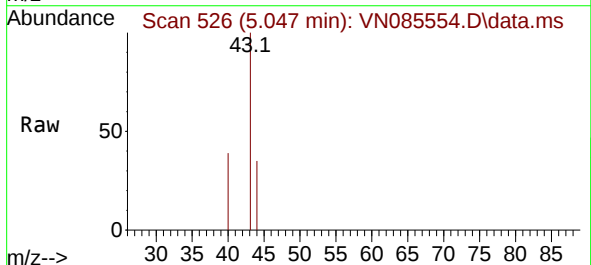
Instrument :
MSVOA_N
ClientSampleId :

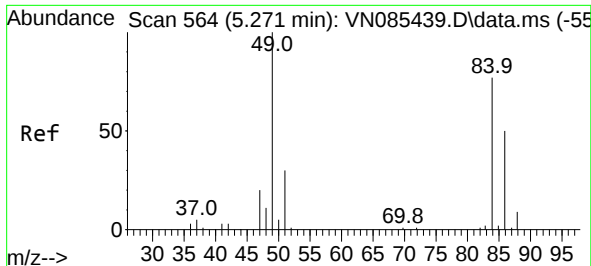
Tgt Ion: 43 Resp: 77976
Ion Ratio Lower Upper
43 100
58 27.2 23.8 35.6



#18
Methyl Acetate
Concen: 0.780 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.029 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

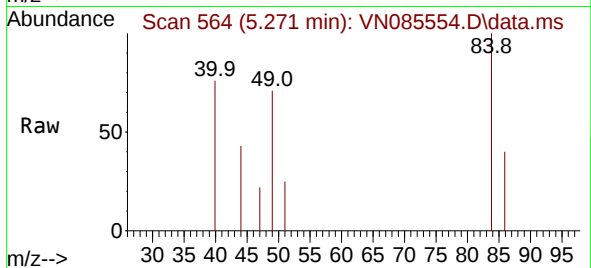
Tgt Ion: 43 Resp: 2129
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#





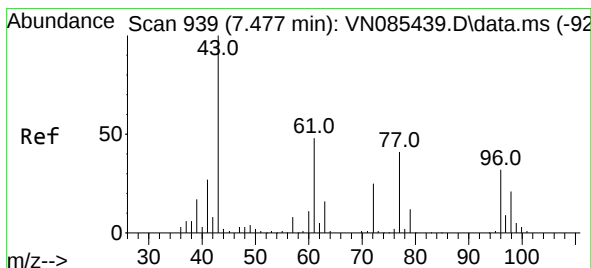
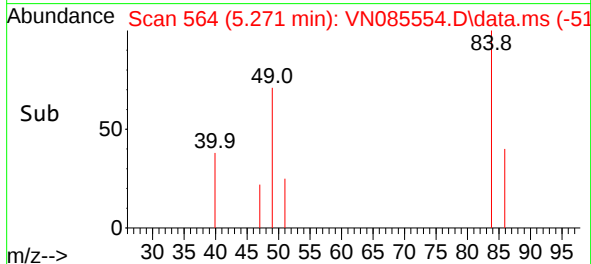
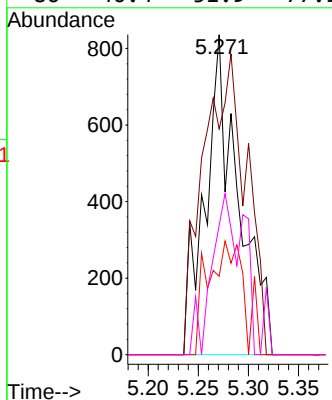
#20
Methylene Chloride
Concen: 0.872 ug/l
RT: 5.271 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1938

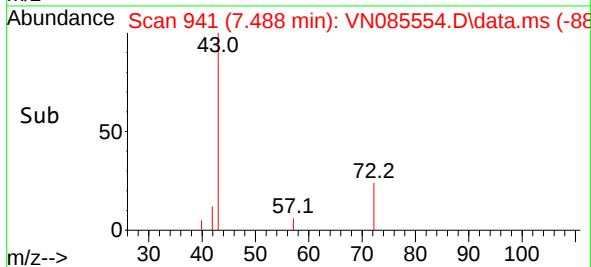
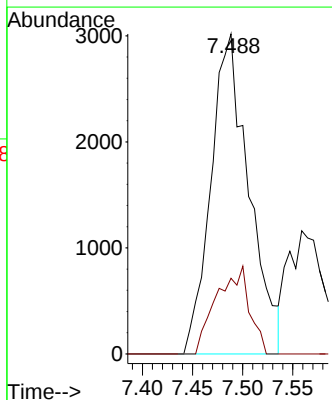
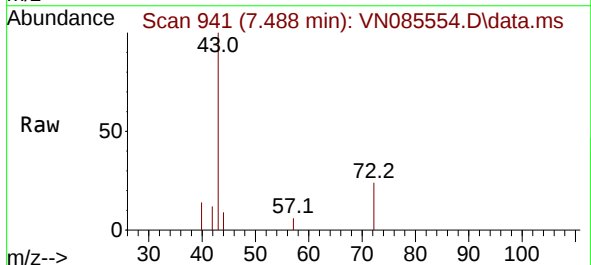
Ion	Ratio	Lower	Upper
84	100		
49	70.6	104.1	156.1#
51	24.5	31.0	46.4#
86	40.4	51.9	77.9#

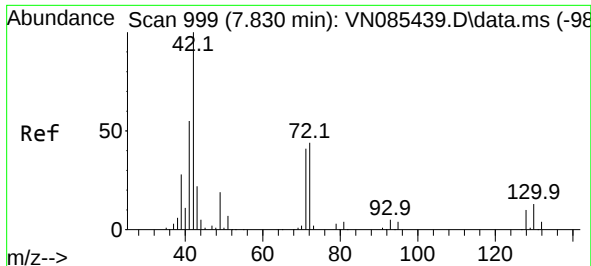


#25
2-Butanone
Concen: 6.033 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion: 43 Resp: 7968

Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.023 min

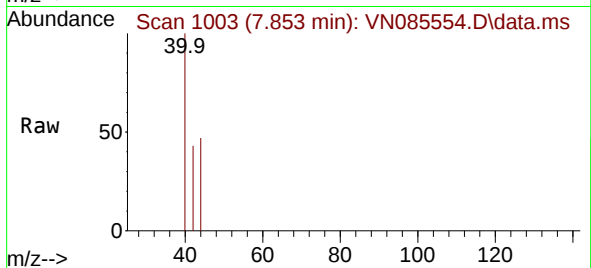
Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

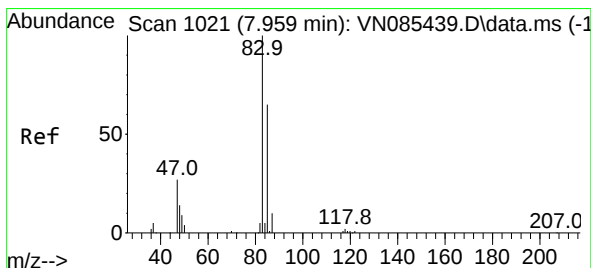
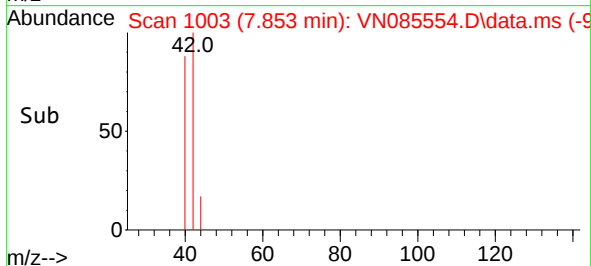
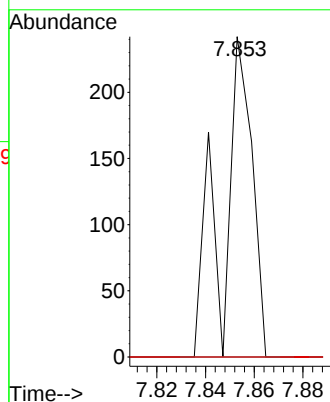
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 203
Ion Ratio	Lower Upper
42	100
72	0.0 34.2 51.2#
71	0.0 32.5 48.7#



#30

Chloroform

Concen: 0.345 ug/l

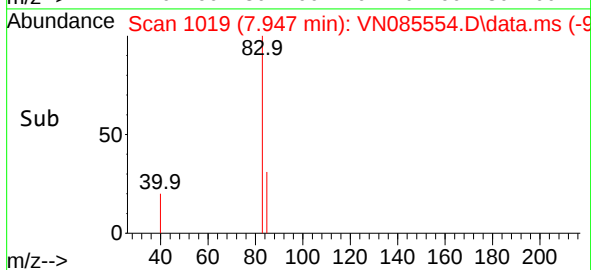
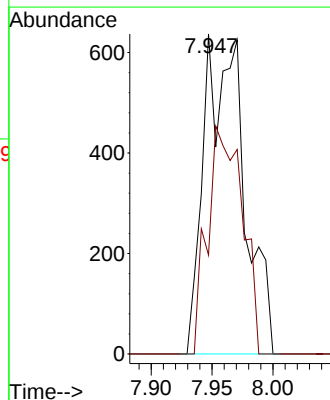
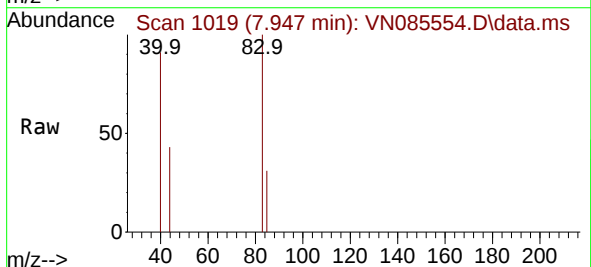
RT: 7.947 min Scan# 1019

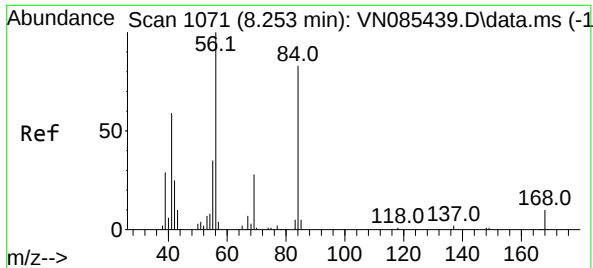
Delta R.T. -0.012 min

Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

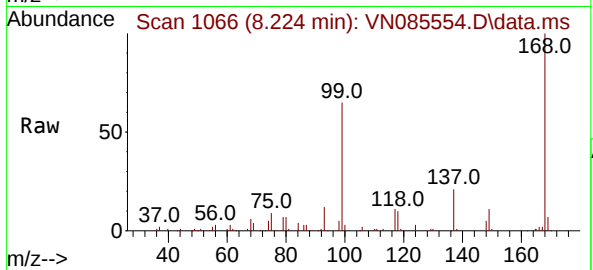
Tgt Ion: 83	Resp: 1447
Ion Ratio	Lower Upper
83	100
85	30.9 51.8 77.6#



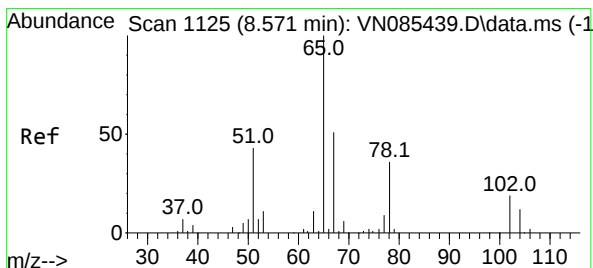
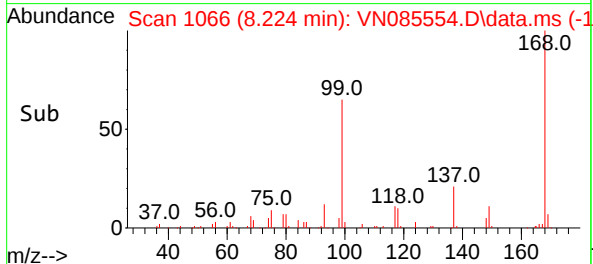
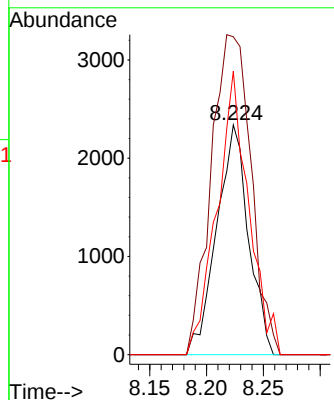


#31
Cyclohexane
Concen: 1.293 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085554.D
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ClientSampleId :

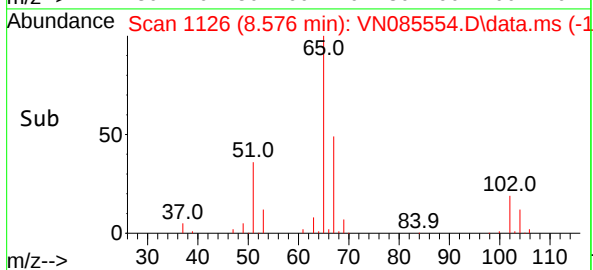
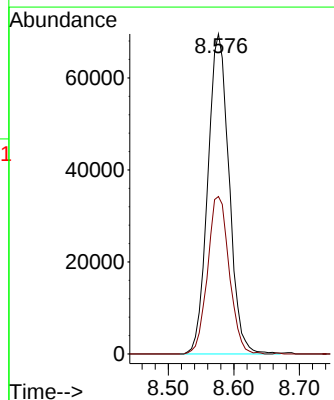
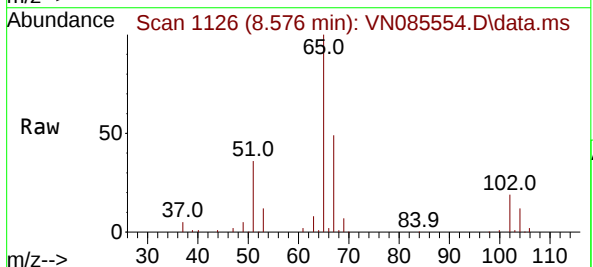


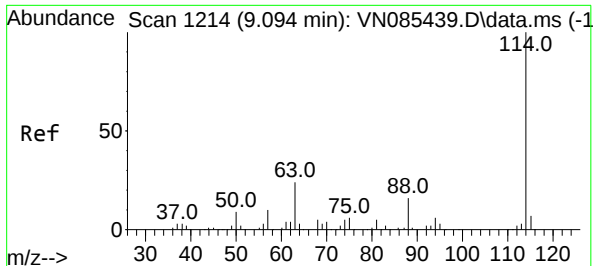
Tgt Ion: 56 Resp: 4556
Ion Ratio Lower Upper
56 100
69 138.3 22.2 33.4#
84 123.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.316 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion: 65 Resp: 156416
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.6

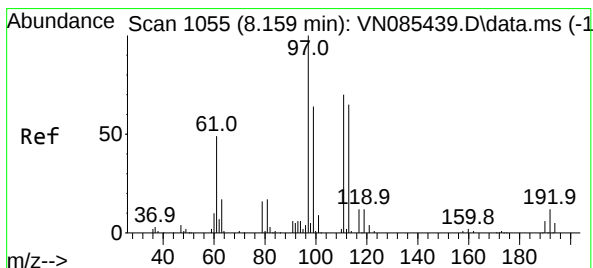
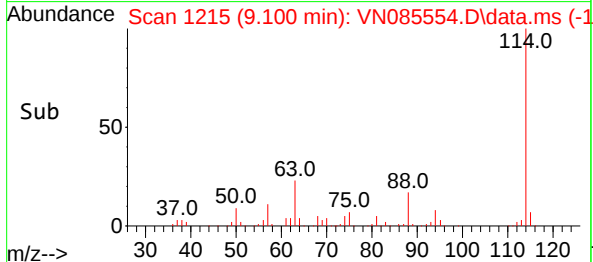
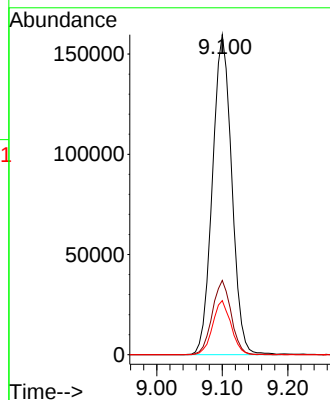
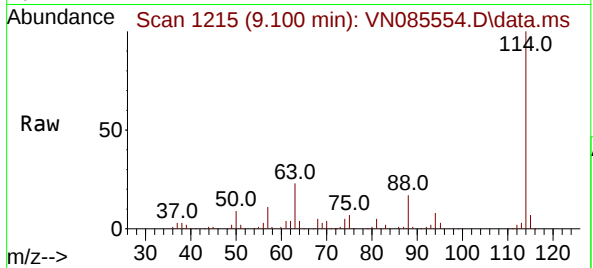




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

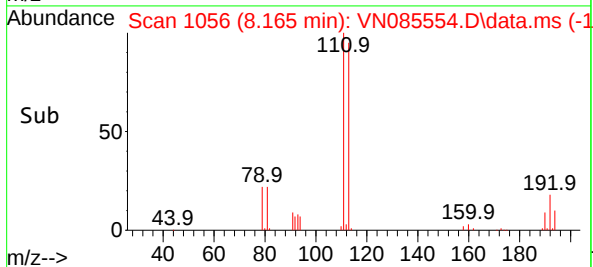
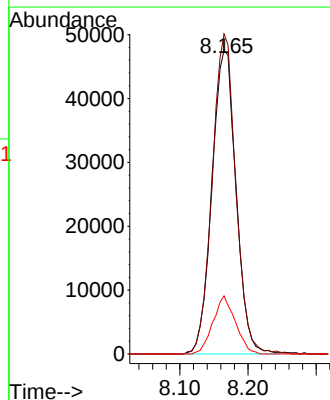
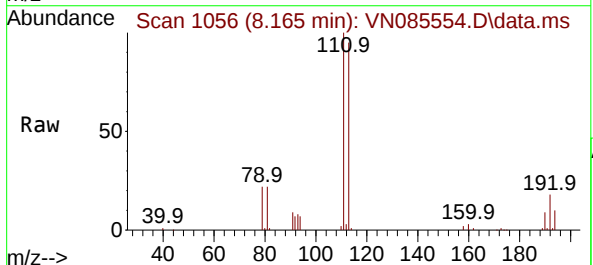
Instrument :
MSVOA_N
ClientSampleId :

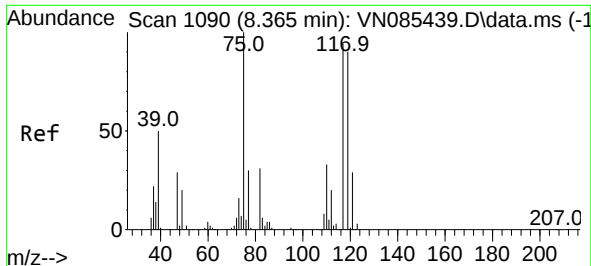
Tgt Ion:114 Resp: 326014
Ion Ratio Lower Upper
114 100
63 23.2 0.0 47.6
88 16.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.906 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion:113 Resp: 117397
Ion Ratio Lower Upper
113 100
111 102.5 82.7 124.1
192 17.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.970 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

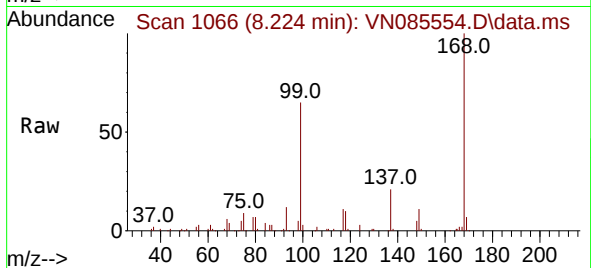
Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :



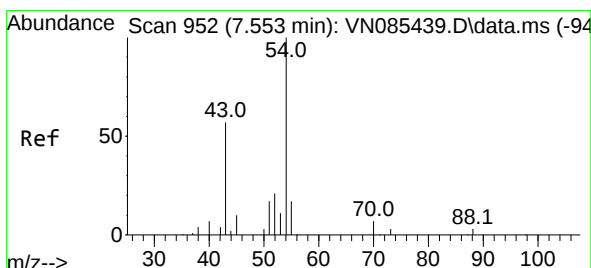
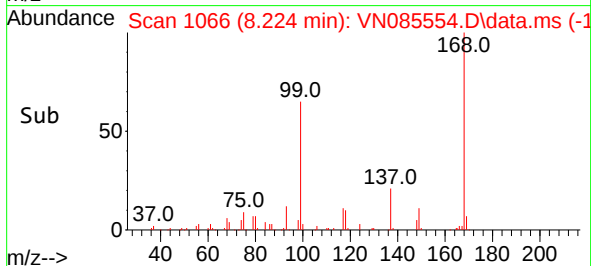
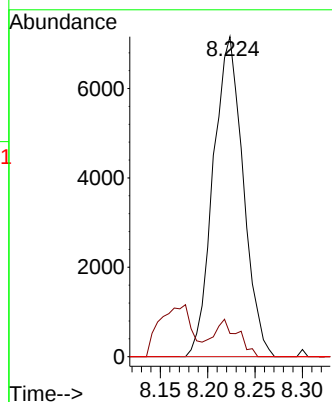
Tgt Ion: 75 Resp: 15775

Ion Ratio Lower Upper

75 100

110 9.6 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.901 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

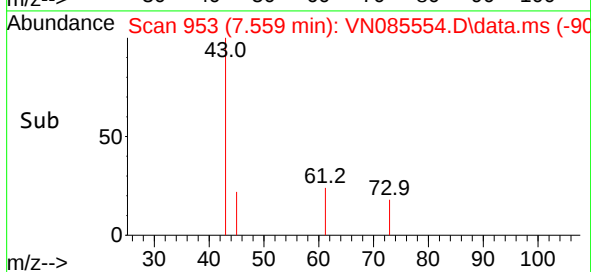
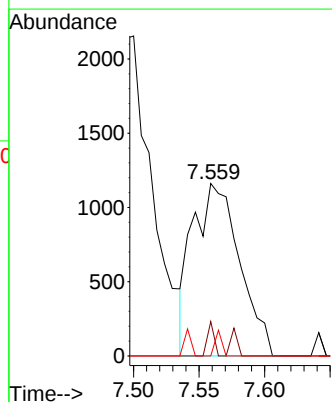
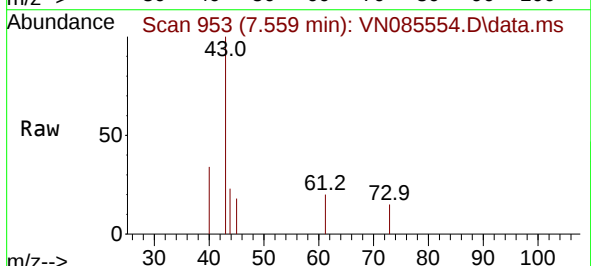
Tgt Ion: 43 Resp: 2886

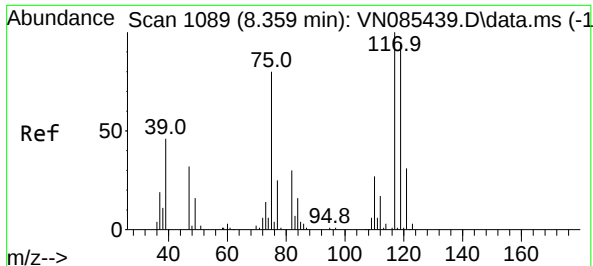
Ion Ratio Lower Upper

43 100

61 2.8 10.9 16.3#

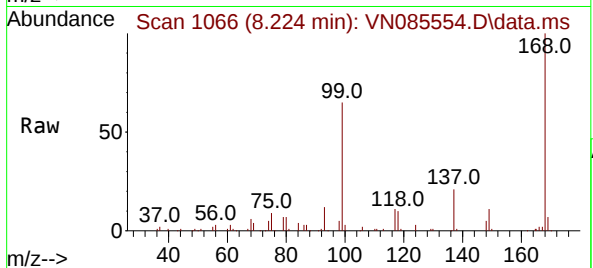
70 2.1 7.5 11.3#



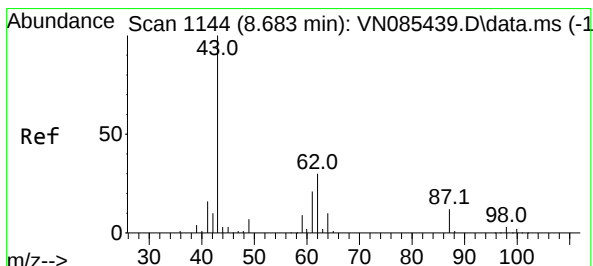
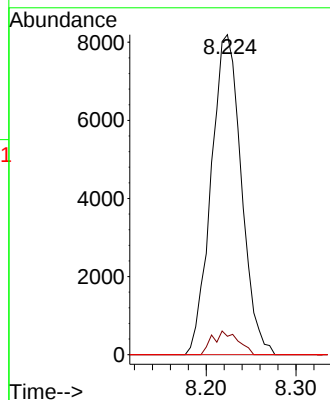
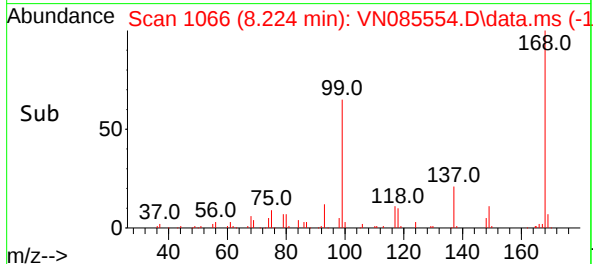


#38
Carbon Tetrachloride
Concen: 5.262 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

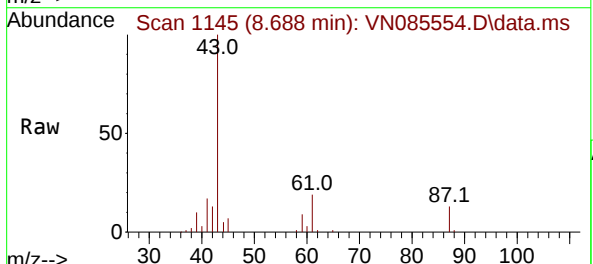
Instrument :
MSVOA_N
ClientSampleId :



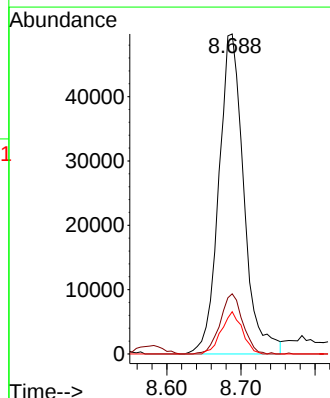
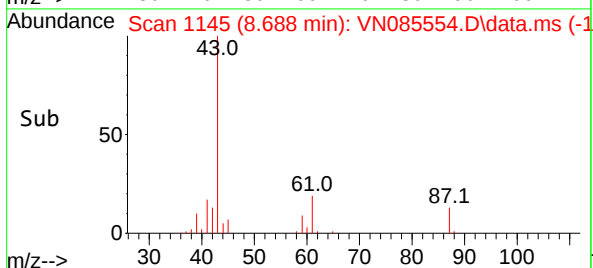
Tgt Ion:117 Resp: 19121
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 24.6 37.0#

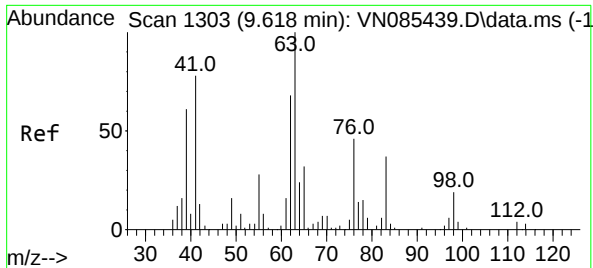


#43
Isopropyl Acetate
Concen: 22.688 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52



Tgt Ion: 43 Resp: 116481
Ion Ratio Lower Upper
43 100
61 16.9 20.7 31.1#
87 11.1 9.8 14.8

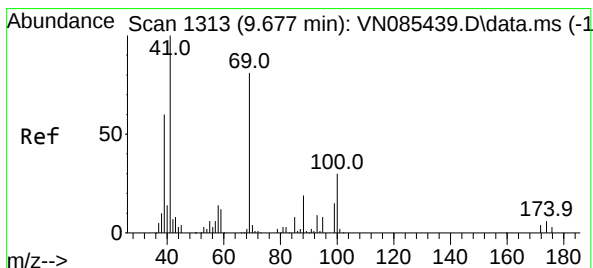
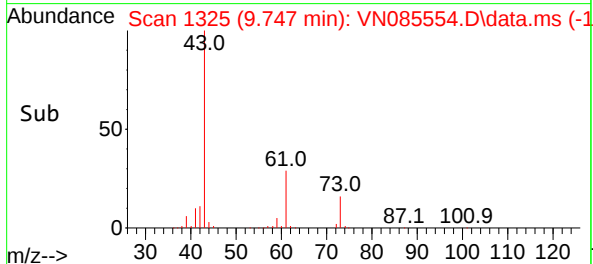
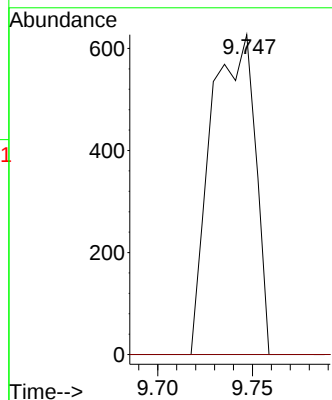
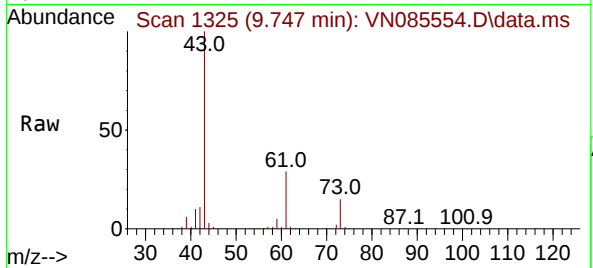




#45
1,2-Dichloropropane
Concen: 0.416 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

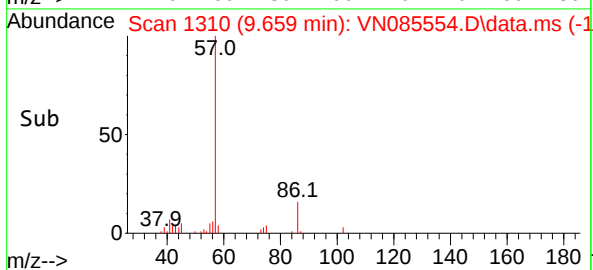
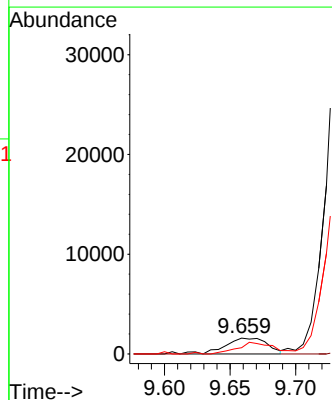
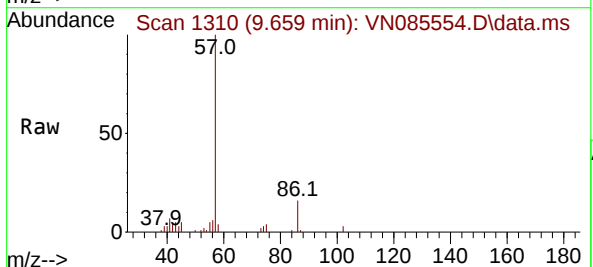
Instrument :
MSVOA_N
ClientSampleId :

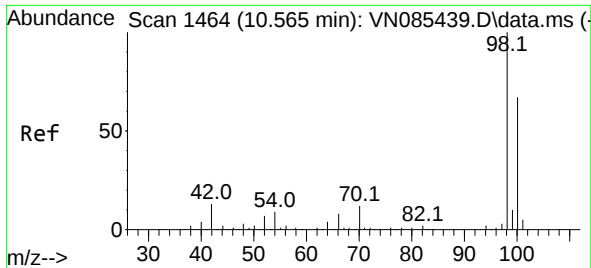
Tgt Ion: 63 Resp: 1013
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.556 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion: 41 Resp: 3595
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 64.1 49.0 73.6

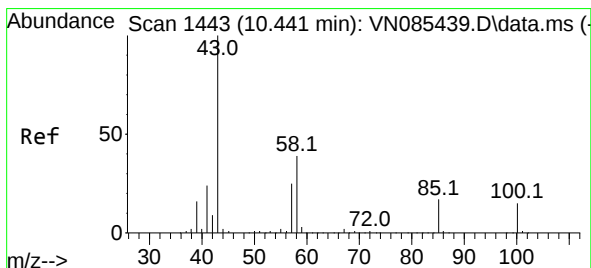
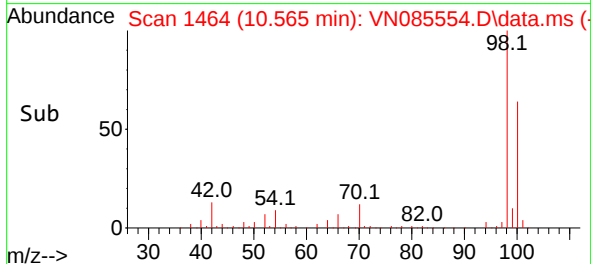
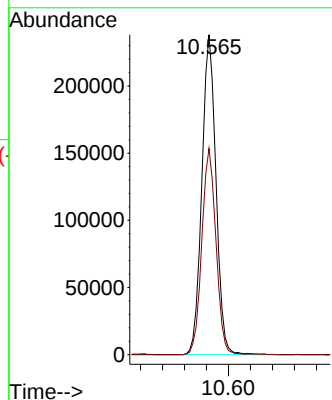
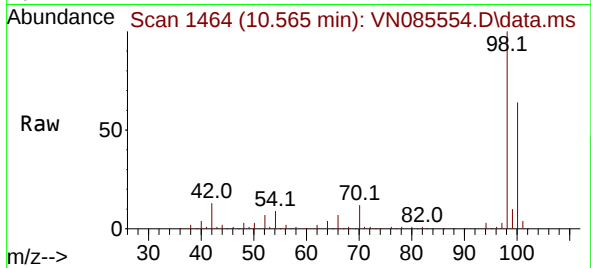




#50
Toluene-d8
Concen: 52.866 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

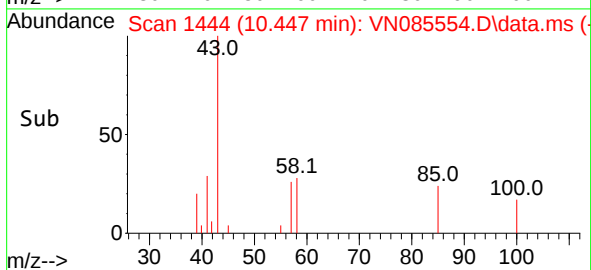
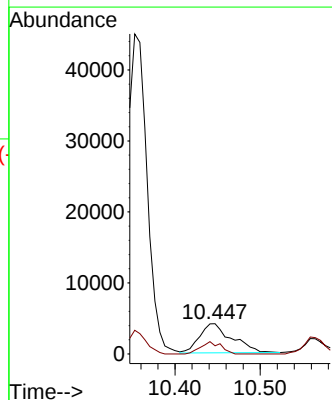
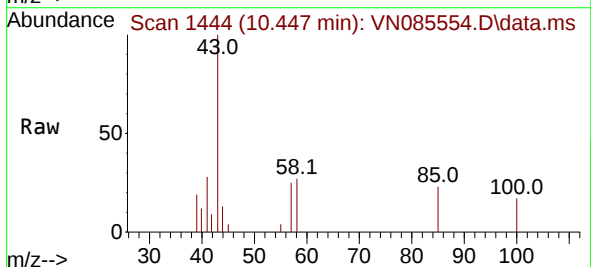
Instrument :
MSVOA_N
ClientSampleId :

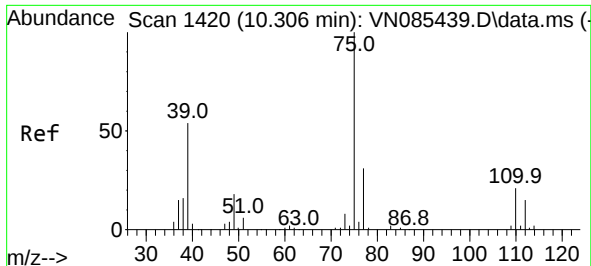
Tgt Ion: 98 Resp: 424827
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.636 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

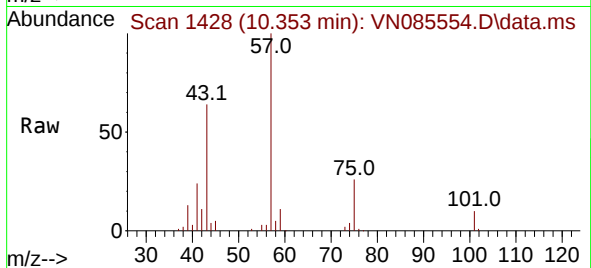
Tgt Ion: 43 Resp: 10832
Ion Ratio Lower Upper
43 100
58 26.4 30.5 45.7#



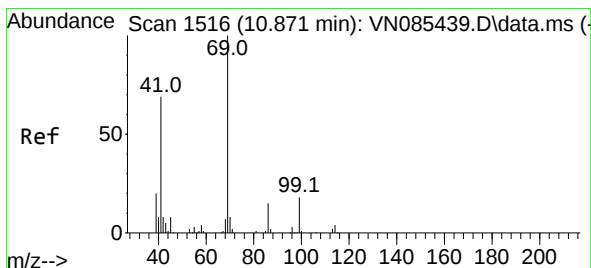
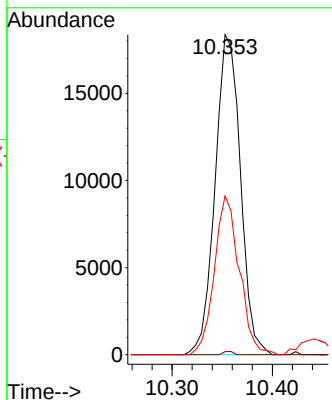
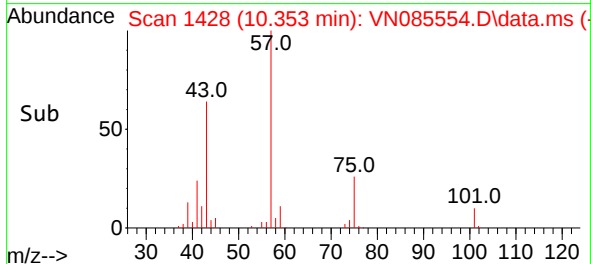


#54
cis-1,3-Dichloropropene
Concen: 8.916 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

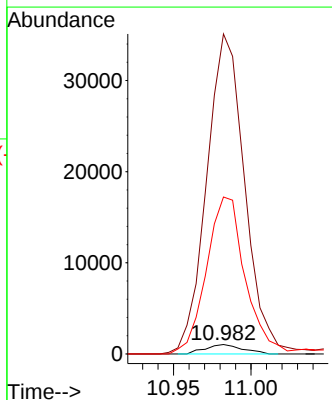
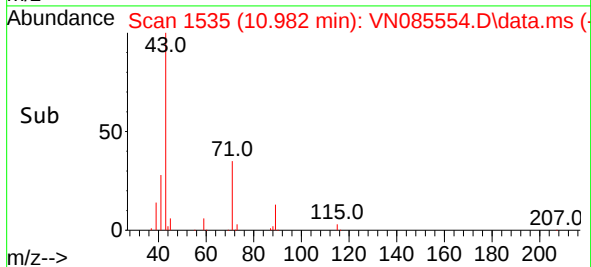
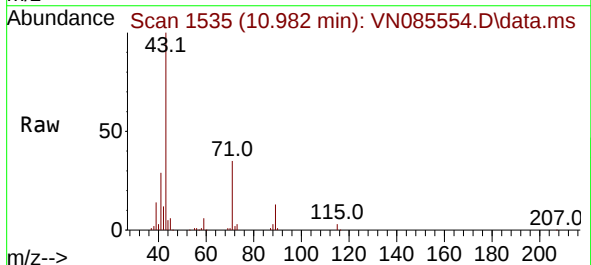


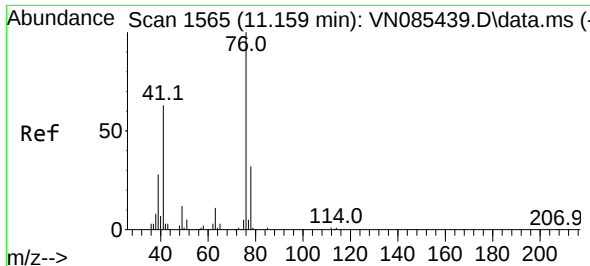
Tgt Ion: 75 Resp: 32234
Ion Ratio Lower Upper
75 100
77 1.0 25.0 37.4#
39 49.6 43.1 64.7



#56
Ethyl methacrylate
Concen: 2.385 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion: 69 Resp: 1739
Ion Ratio Lower Upper
69 100
41 3464.6 54.6 82.0#
39 1720.5 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 0.952 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

Instrument :

MSVOA_N

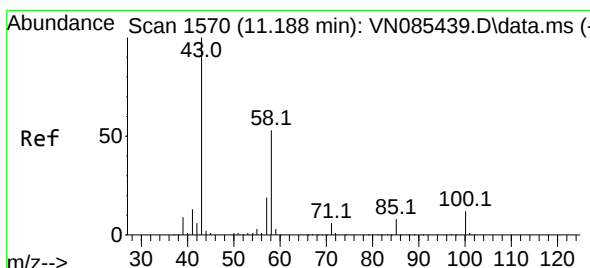
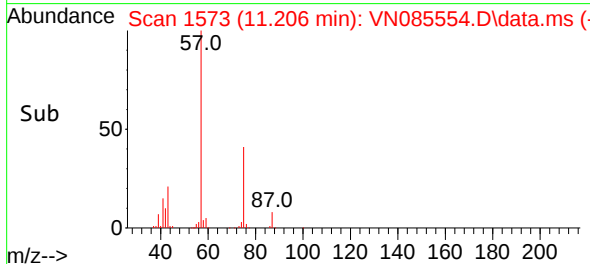
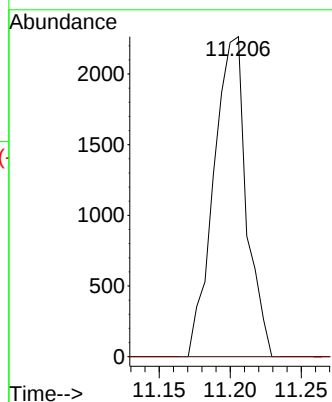
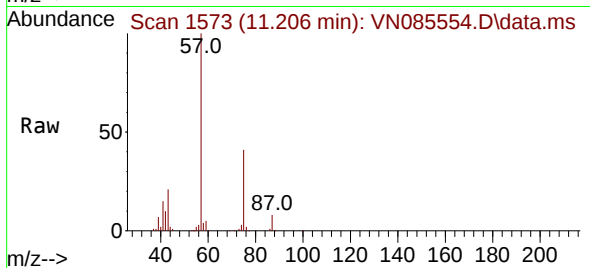
ClientSampleId :

Tgt Ion: 76 Resp: 3622

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 49.425 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.018 min

Lab File: VN085554.D

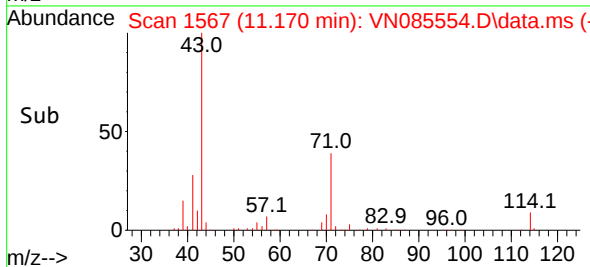
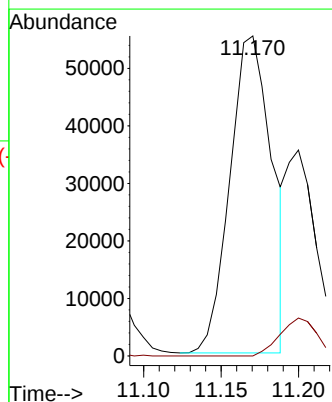
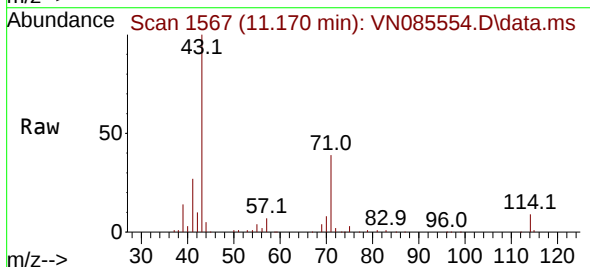
Acq: 29 Jan 2025 13:52

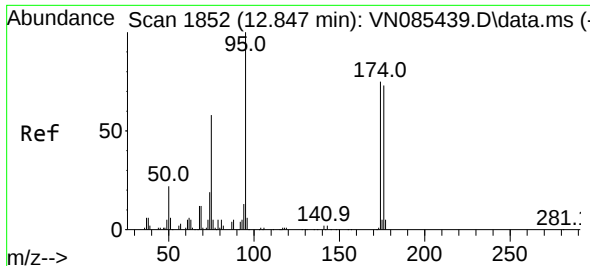
Tgt Ion: 43 Resp: 103606

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

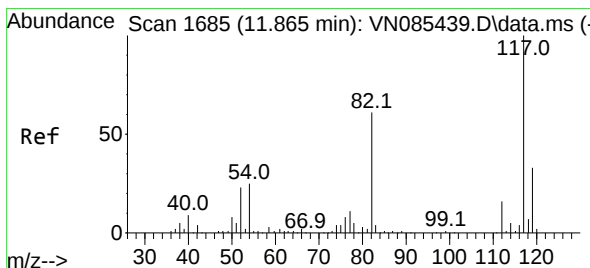
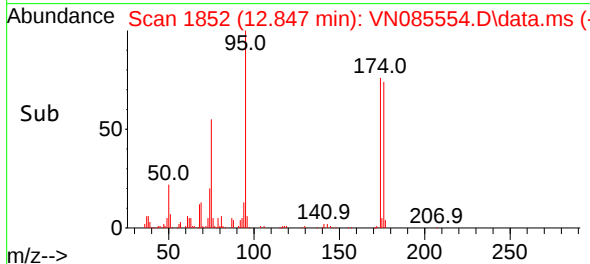
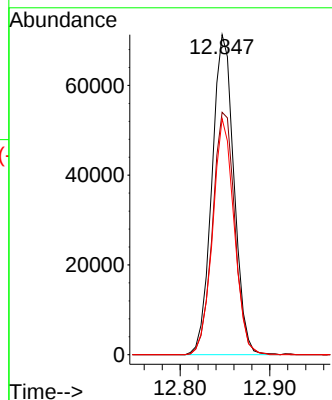
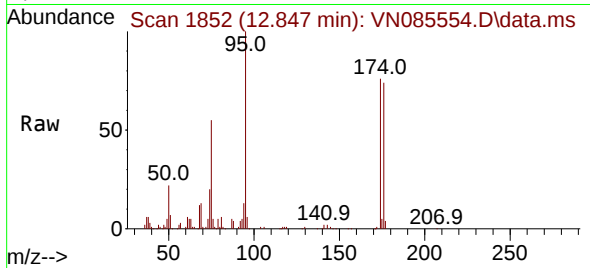




#62
4-Bromofluorobenzene
Concen: 44.233 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

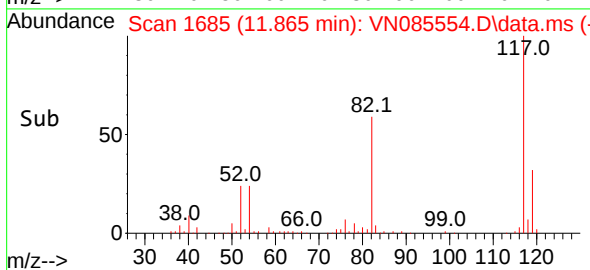
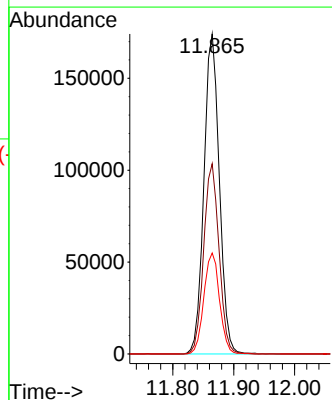
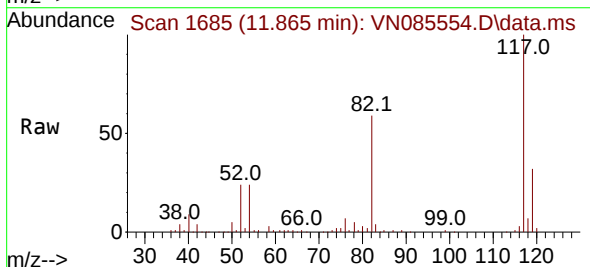
Instrument :
MSVOA_N
ClientSampleId :

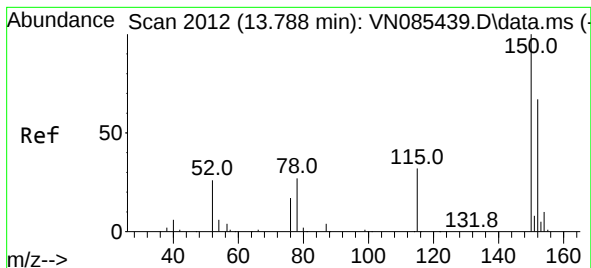
Tgt Ion: 95 Resp: 121591
Ion Ratio Lower Upper
95 100
174 76.5 0.0 145.0
176 72.0 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085554.D
Acq: 29 Jan 2025 13:52

Tgt Ion: 117 Resp: 306107
Ion Ratio Lower Upper
117 100
82 59.5 48.6 72.8
119 31.5 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

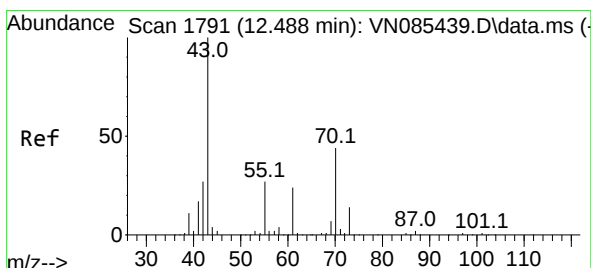
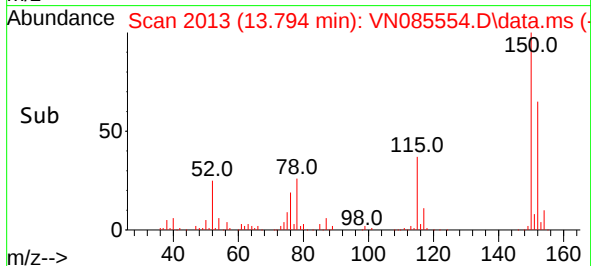
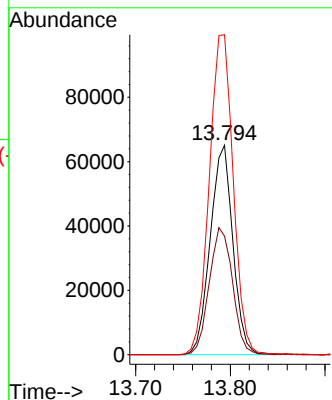
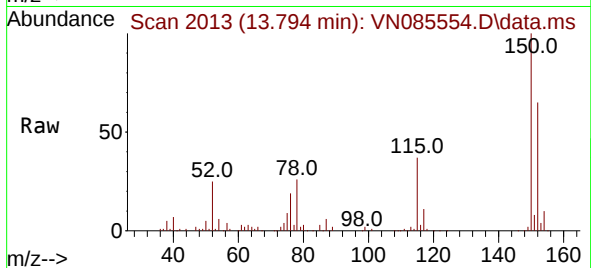
Tgt Ion:152 Resp: 108073

Ion Ratio Lower Upper

152 100

115 62.4 31.1 93.3

150 161.4 0.0 343.6



#74

N-ethyl acetate

Concen: 0.246 ug/l

RT: 12.470 min Scan# 1788

Delta R.T. -0.018 min

Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

Tgt Ion: 43 Resp: 805

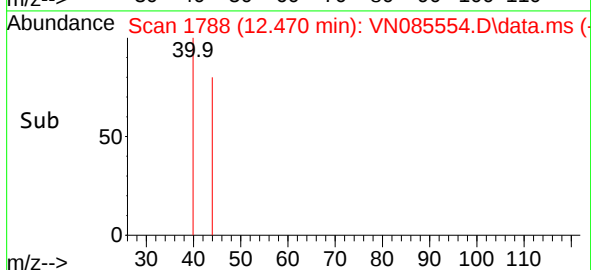
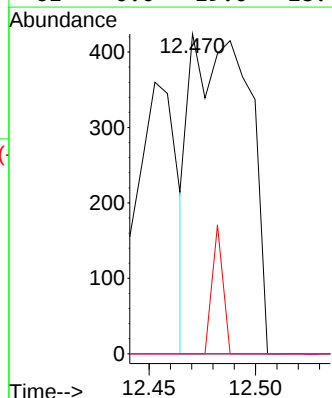
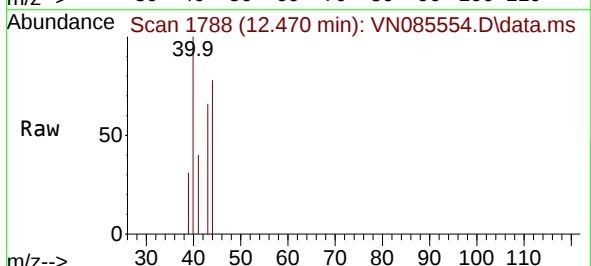
Ion Ratio Lower Upper

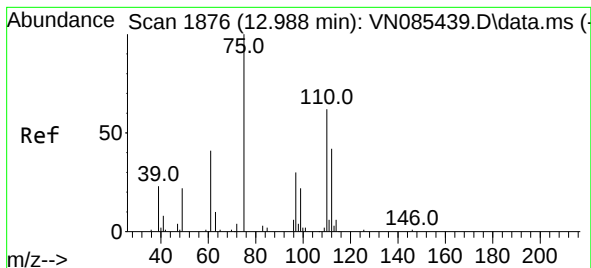
43 100

70 0.0 34.0 51.0#

55 7.5 21.4 32.2#

61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 31.473 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

Instrument :

MSVOA_N

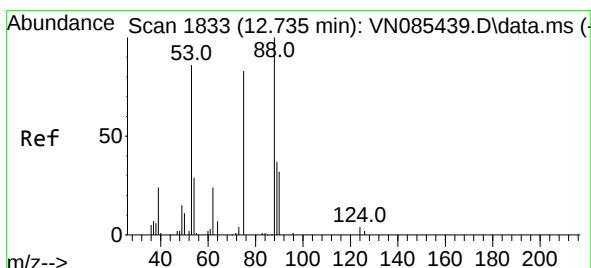
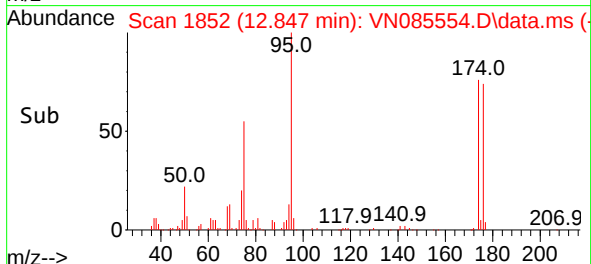
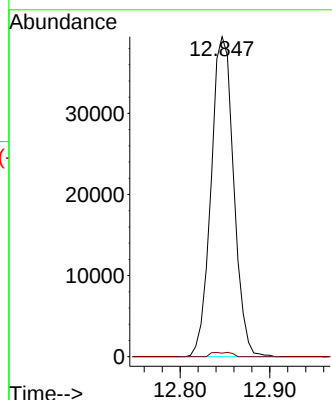
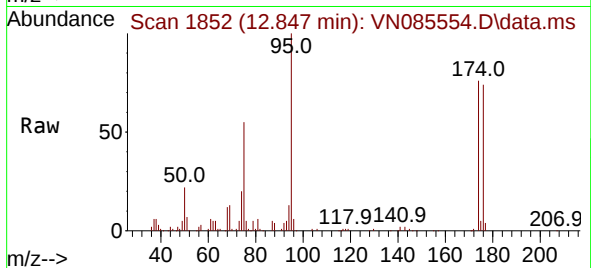
ClientSampleId :

Tgt Ion: 75 Resp: 69135

Ion Ratio Lower Upper

75 100

77 1.2 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.154 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

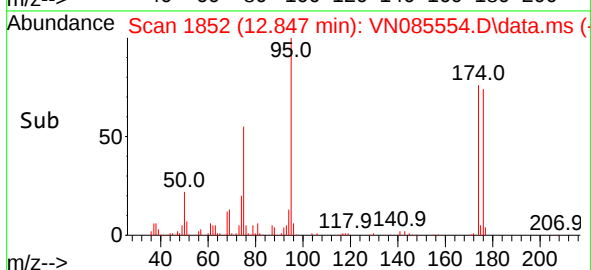
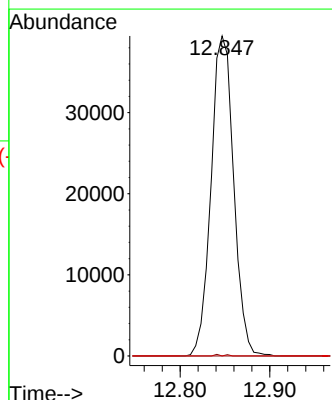
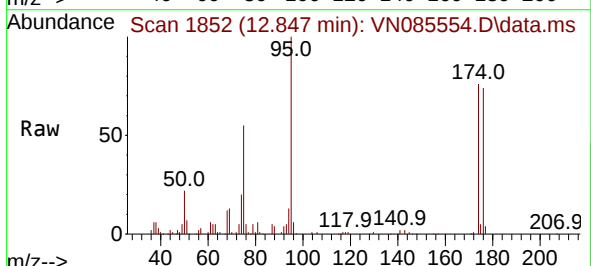
Tgt Ion: 75 Resp: 69135

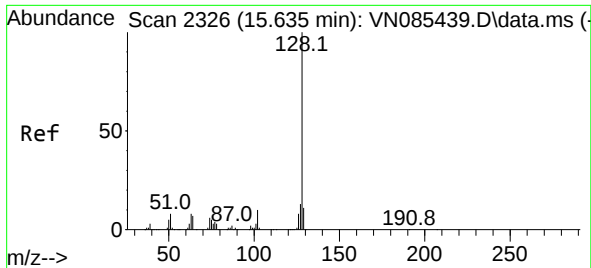
Ion Ratio Lower Upper

75 100

53 0.2 95.6 143.4#

89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 3.484 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

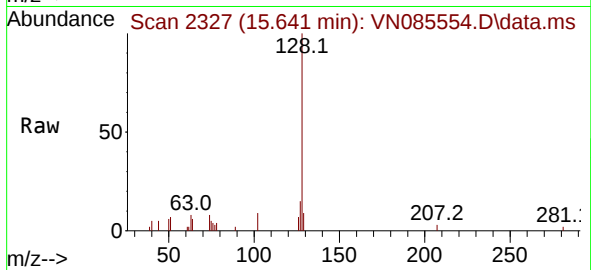
Lab File: VN085554.D

Acq: 29 Jan 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 16913

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

129 11.0 8.8 13.2

