

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085608.D
 Acq On : 31 Jan 2025 17:40
 Operator : JC\MD
 Sample : PB166357ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 22:32:30 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)

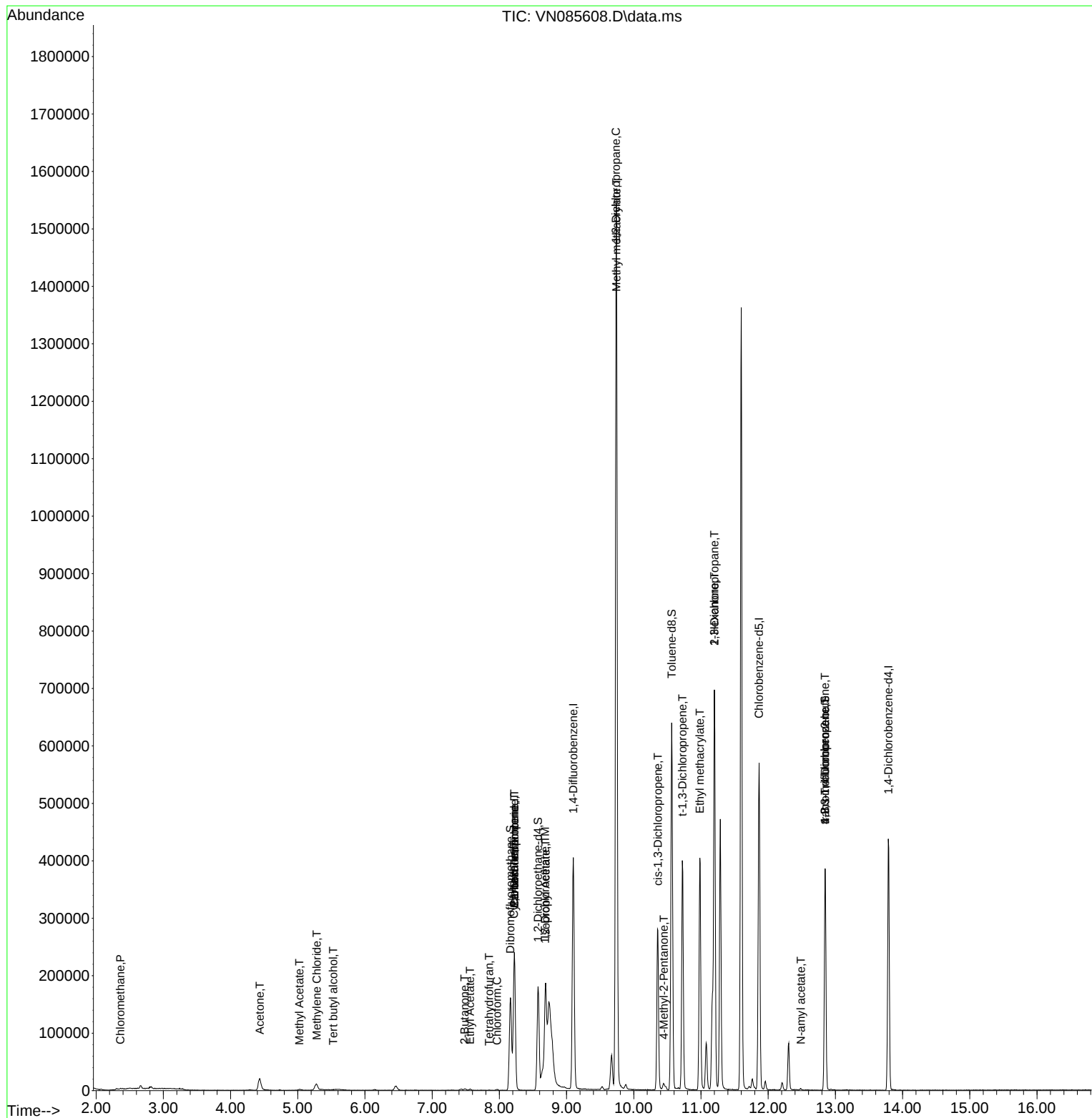
Internal Standards						
1) Pentafluorobenzene	8.224	168	156761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152211	60.152	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 120.300%		
35) Dibromofluoromethane	8.165	113	112986	50.663	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 101.320%		
50) Toluene-d8	10.565	98	416004	52.501	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 105.000%		
62) 4-Bromofluorobenzene	12.847	95	125869	46.438	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 92.880%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	483	0.210	ug/l #	41
11) Tert butyl alcohol	5.530	59	76	0.262	ug/l #	71
16) Acetone	4.436	43	39464	48.268	ug/l	96
18) Methyl Acetate	5.024	43	1845	0.742	ug/l #	52
20) Methylene Chloride	5.283	84	8169	4.036	ug/l #	86
25) 2-Butanone	7.483	43	4805	3.994	ug/l #	85
29) Tetrahydrofuran	7.847	42	262	0.343	ug/l #	34
30) Chloroform	7.965	83	1506	0.394	ug/l	88
31) Cyclohexane	8.218	56	4970	1.548	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	15296	4.887	ug/l #	50
37) Ethyl Acetate	7.565	43	3683	1.166	ug/l #	82
38) Carbon Tetrachloride	8.224	117	18279	5.101	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1124	0.317	ug/l #	76
43) Isopropyl Acetate	8.688	43	243799	48.160	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	1619	0.674	ug/l #	43
48) Methyl methacrylate	9.741	41	144247	63.318	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	12409	4.224	ug/l #	73
53) t-1,3-Dichloropropene	10.723	75	950	0.285	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	44808	12.570	ug/l #	70
56) Ethyl methacrylate	10.982	69	2336	2.549	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6668	1.778	ug/l #	43
59) 2-Hexanone	11.200	43	88769	42.947	ug/l #	55
74) N-amyl acetate	12.488	43	1815	0.542	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	71629	31.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71629	86.330	ug/l #	3

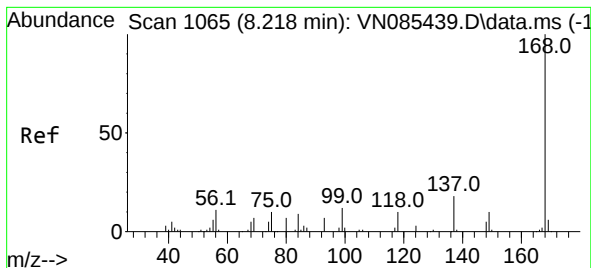
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085608.D
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MSVOA_N
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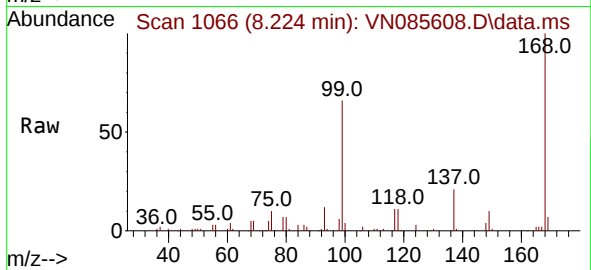
Quant Time: Jan 31 22:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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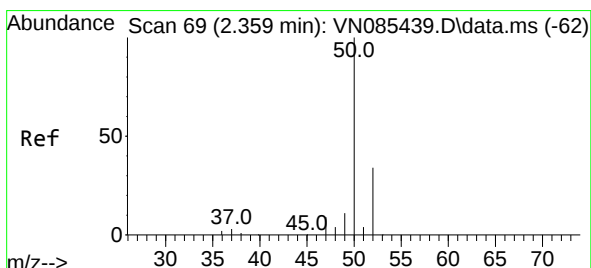
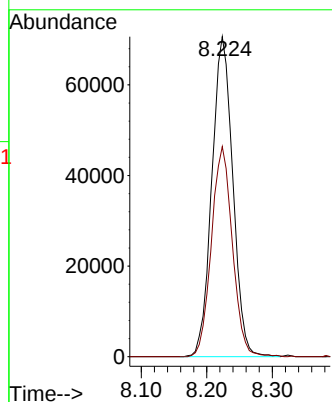
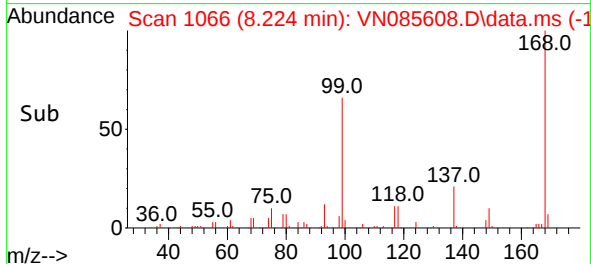


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Instrument :
MSVOA_N
ClientSampleId :

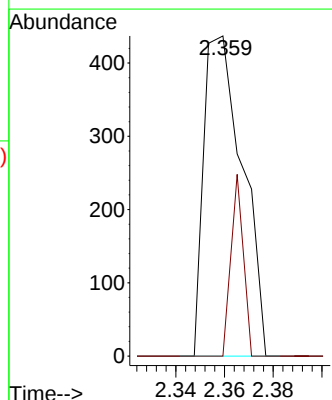
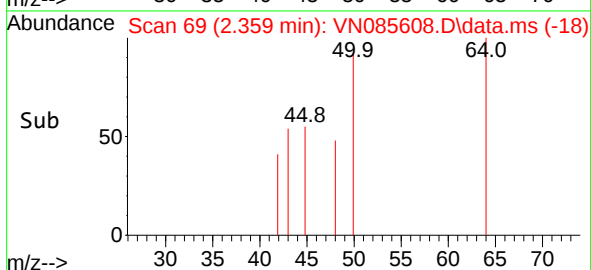
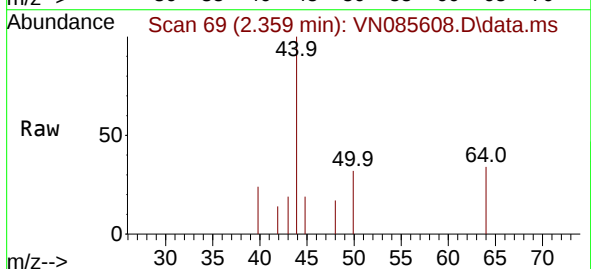


Tgt Ion:168 Resp: 156761
Ion Ratio Lower Upper
168 100
99 65.6 53.6 80.4



#3
Chloromethane
Concen: 0.210 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

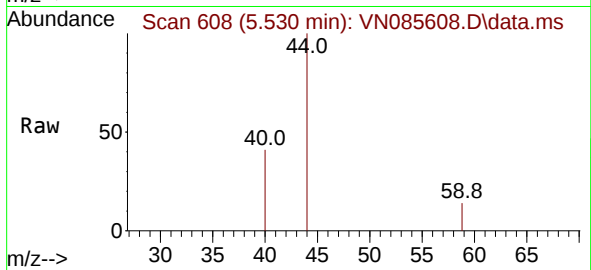
Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



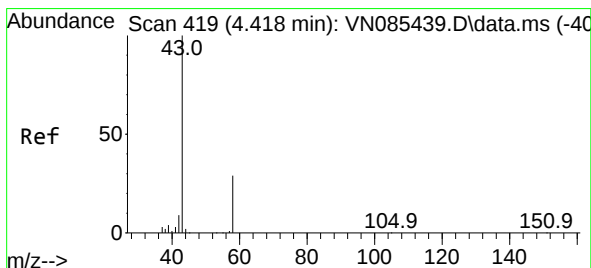
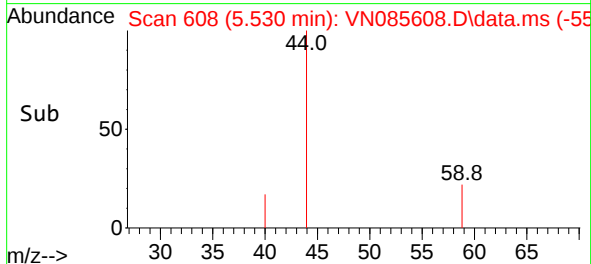
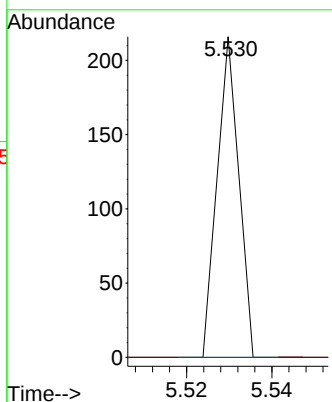


#11
Tert butyl alcohol
Concen: 0.262 ug/l
RT: 5.530 min Scan# 605
Delta R.T. 0.018 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Instrument :
MSVOA_N
ClientSampleId :

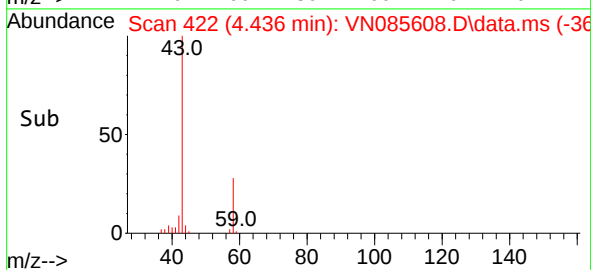
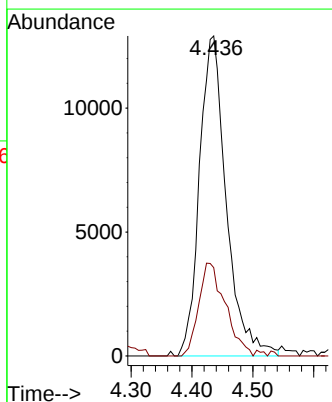
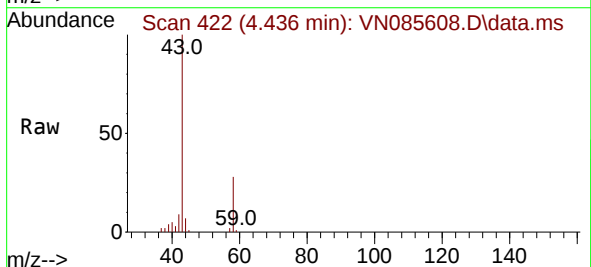


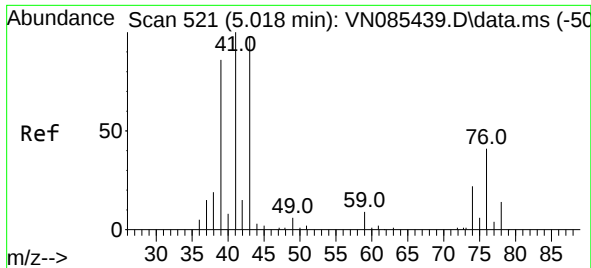
Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 48.268 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Tgt Ion: 43 Resp: 39464
Ion Ratio Lower Upper
43 100
58 27.6 23.8 35.6

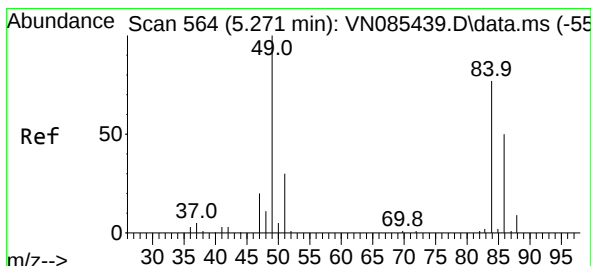
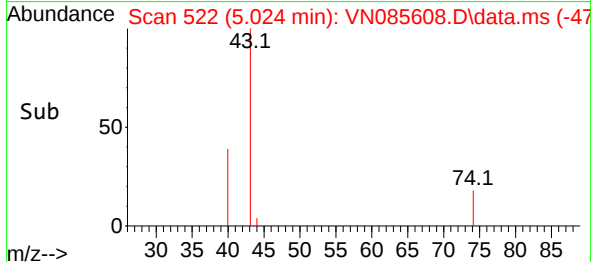
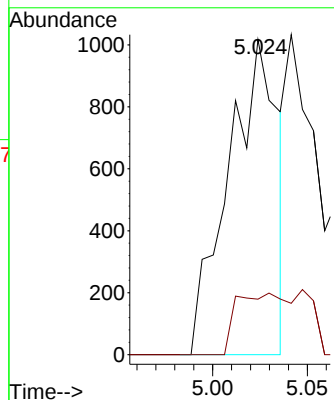
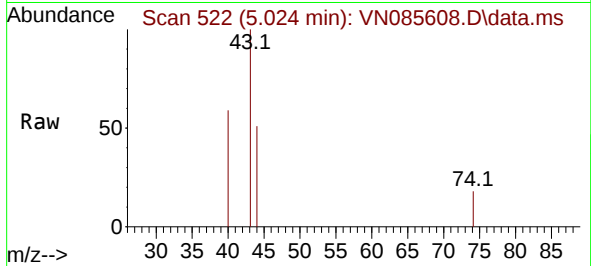




#18
Methyl Acetate
Concen: 0.742 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

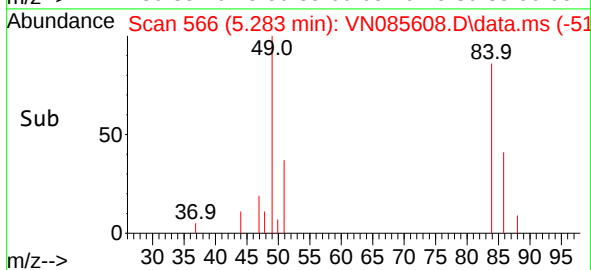
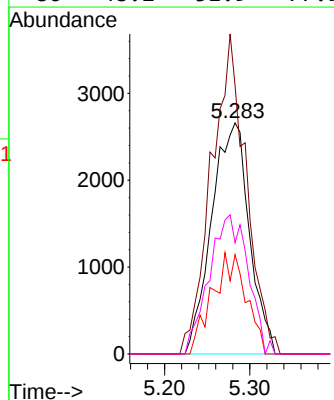
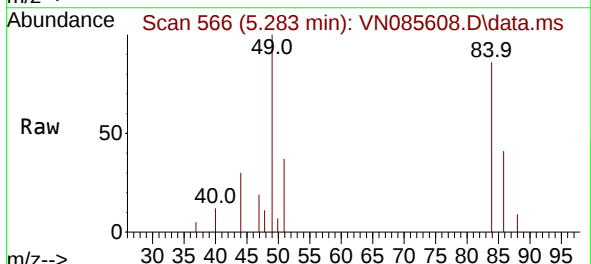
Instrument :
MSVOA_N
ClientSampleId :

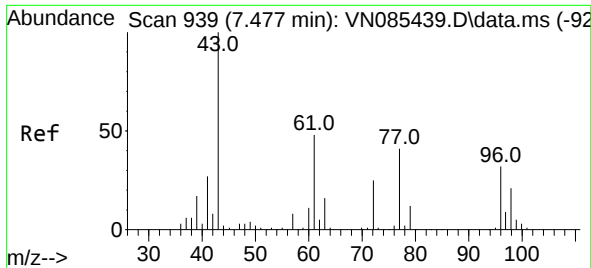
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 4.036 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

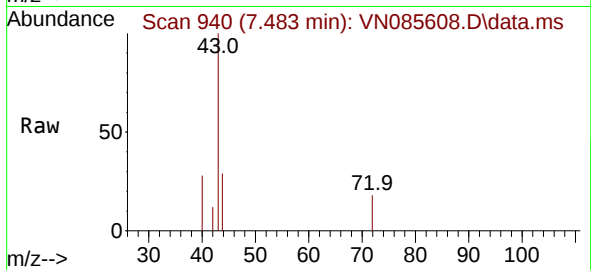
Tgt Ion: 84 Resp: 8169
Ion Ratio Lower Upper
84 100
49 116.1 104.1 156.1
51 42.9 31.0 46.4
86 48.2 51.9 77.9#



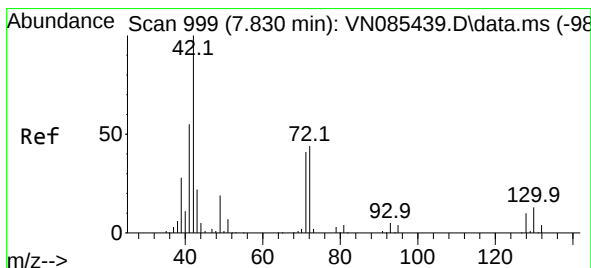
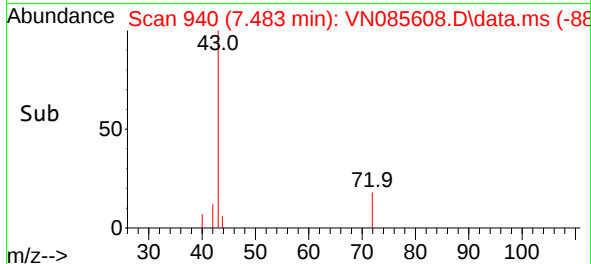
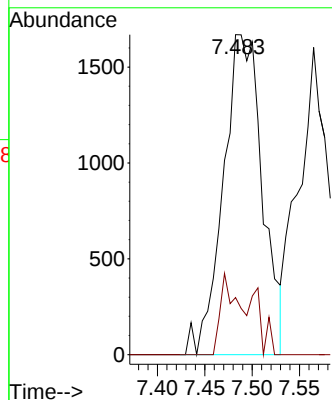


#25
2-Butanone
Concen: 3.994 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Instrument :
MSVOA_N
ClientSampleId :

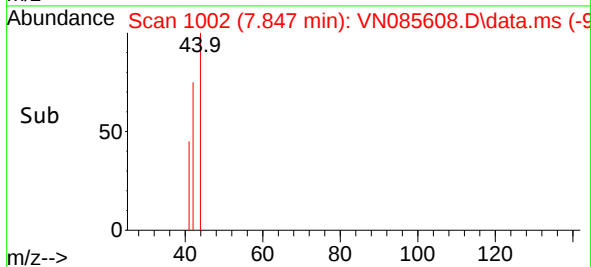
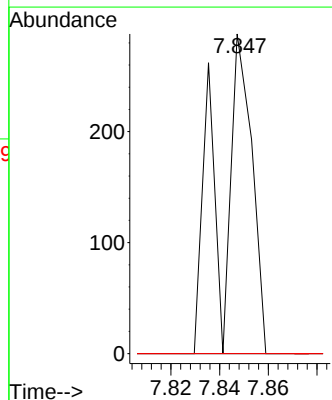
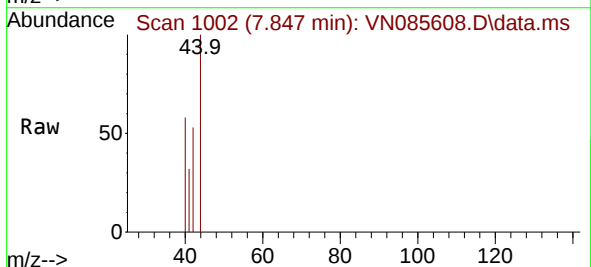


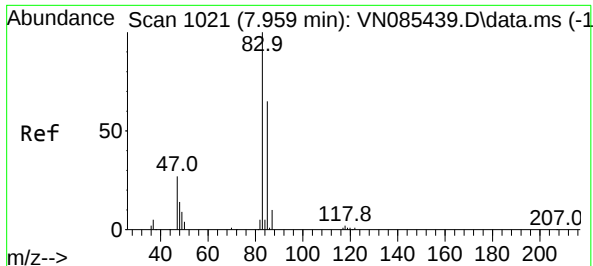
Tgt Ion: 43 Resp: 4805
Ion Ratio Lower Upper
43 100
72 17.9 20.2 30.4#



#29
Tetrahydrofuran
Concen: 0.343 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.018 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Tgt Ion: 42 Resp: 262
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#





#30

Chloroform

Concen: 0.394 ug/l

RT: 7.965 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

Instrument :

MSVOA_N

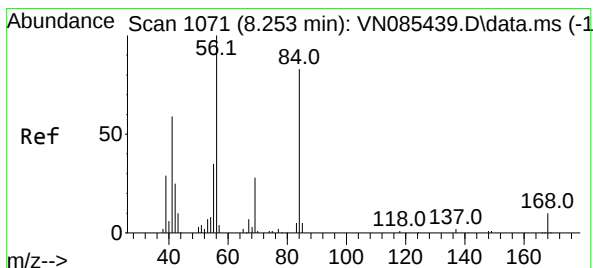
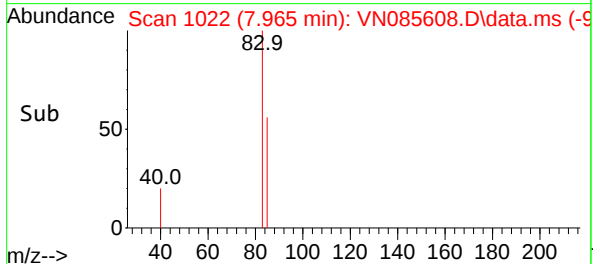
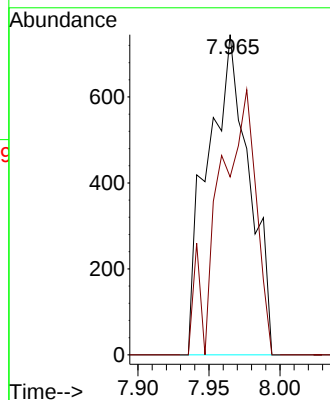
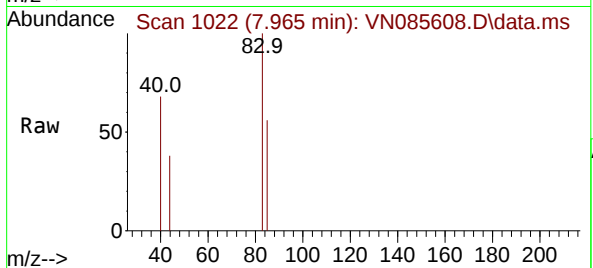
ClientSampleId :

Tgt Ion: 83 Resp: 1506

Ion Ratio Lower Upper

83 100

85 55.6 51.8 77.6



#31

Cyclohexane

Concen: 1.548 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

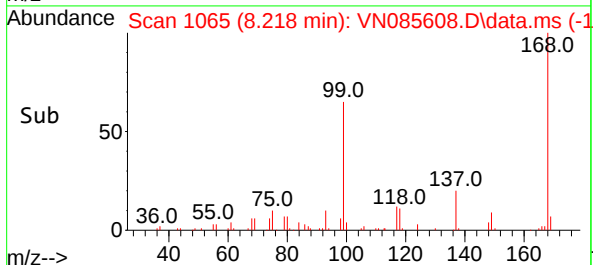
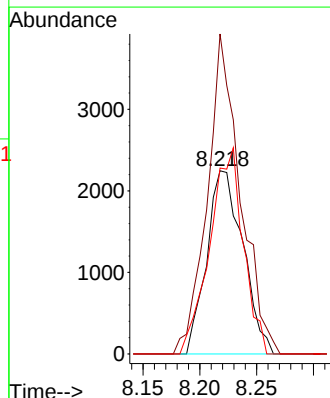
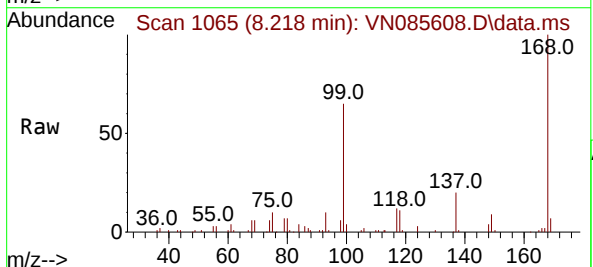
Tgt Ion: 56 Resp: 4970

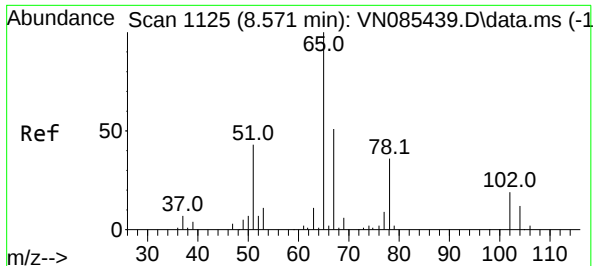
Ion Ratio Lower Upper

56 100

69 174.7 22.2 33.4#

84 101.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 60.152 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

Instrument :

MSVOA_N

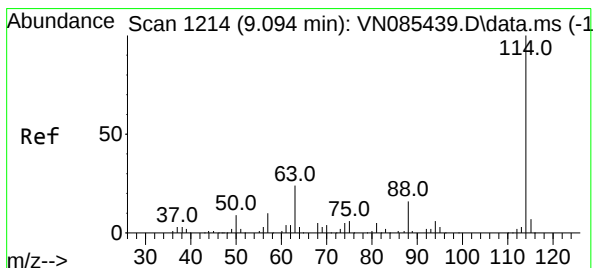
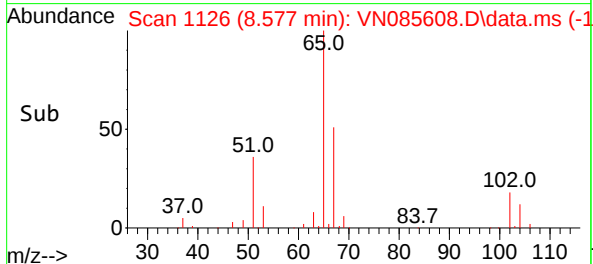
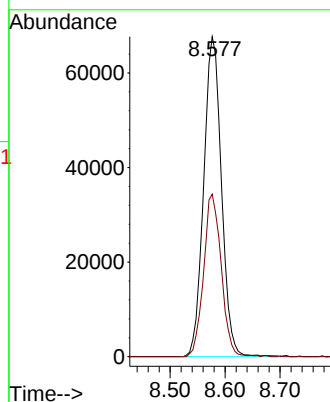
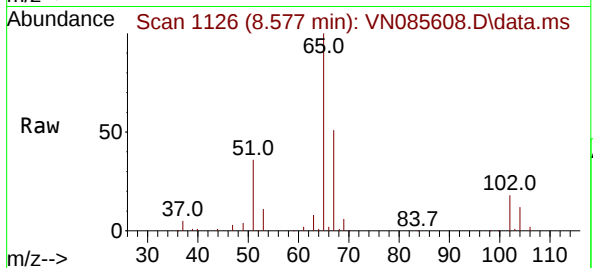
ClientSampleId :

Tgt Ion: 65 Resp: 152211

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

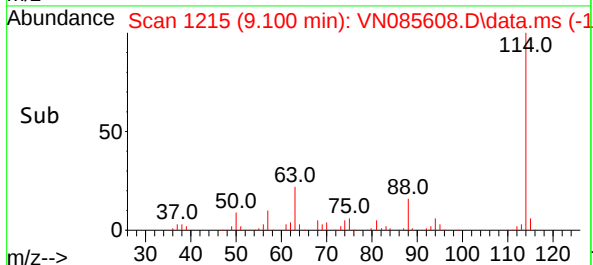
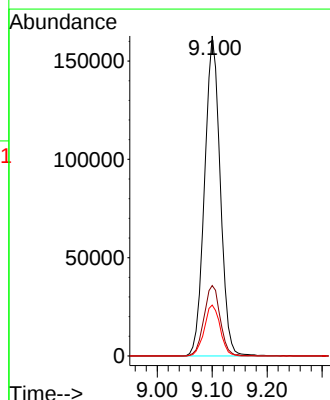
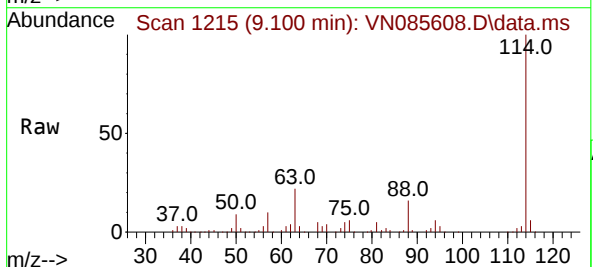
Tgt Ion: 114 Resp: 321461

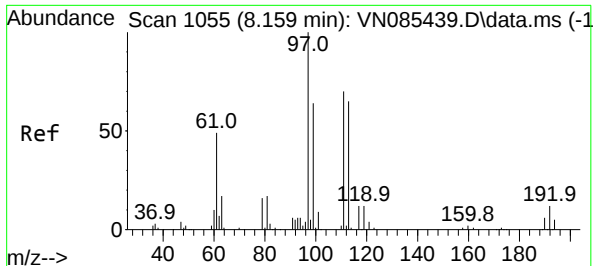
Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.6

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.663 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

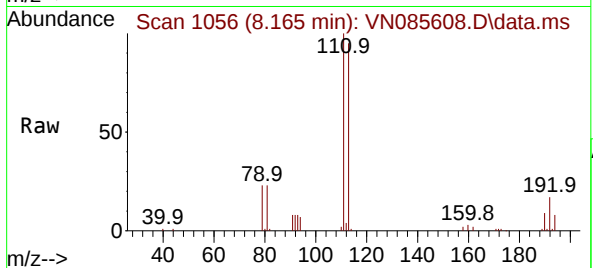
Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

Instrument :

MSVOA_N

ClientSampleId :



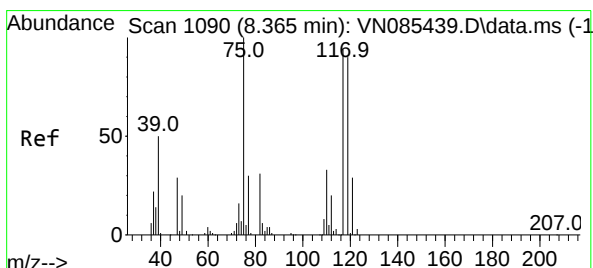
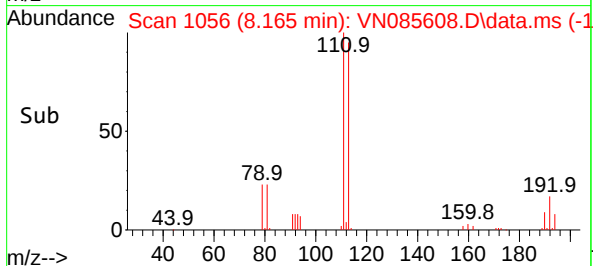
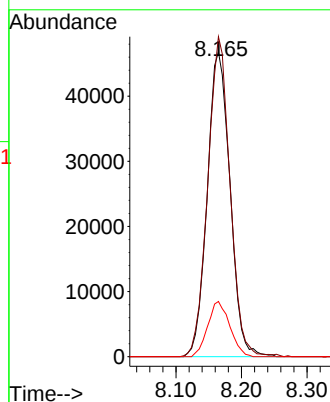
Tgt Ion:113 Resp: 112986

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

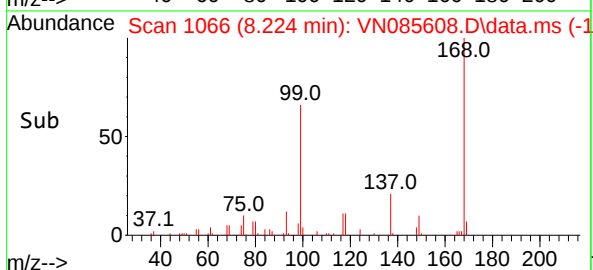
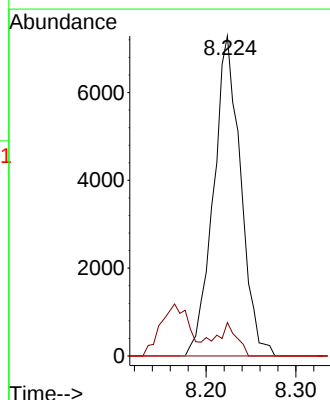
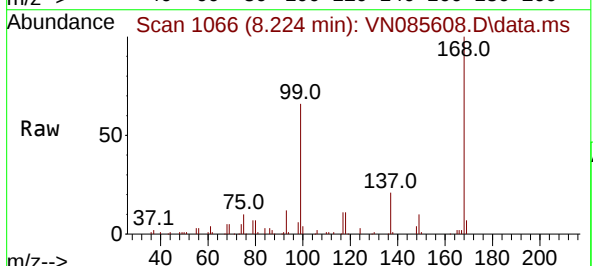
Tgt Ion: 75 Resp: 15296

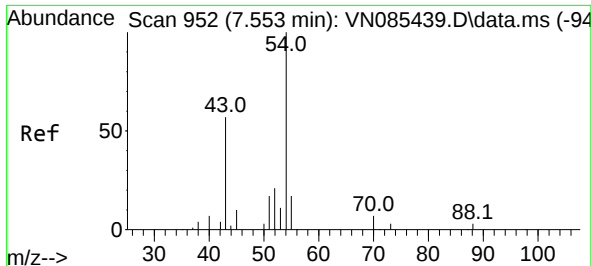
Ion Ratio Lower Upper

75 100

110 8.2 16.5 49.5#

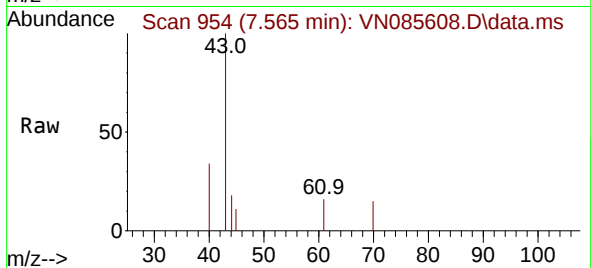
77 0.0 24.4 36.6#



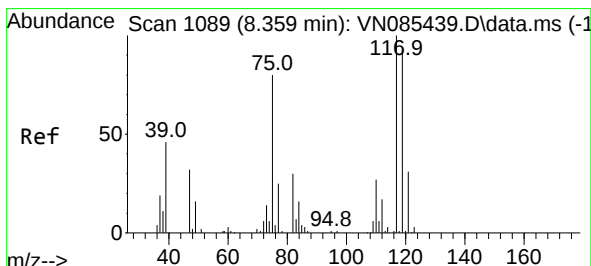
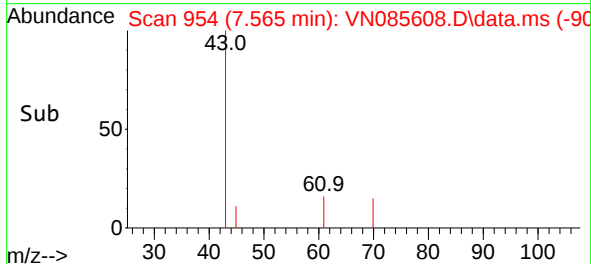
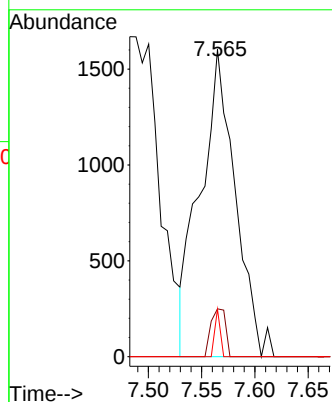


#37
Ethyl Acetate
Concen: 1.166 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Instrument :
MSVOA_N
ClientSampleId :

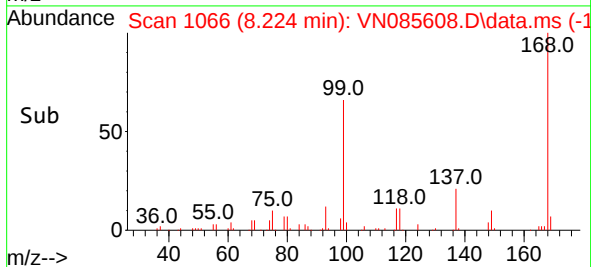
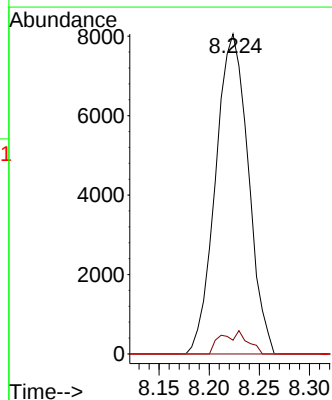
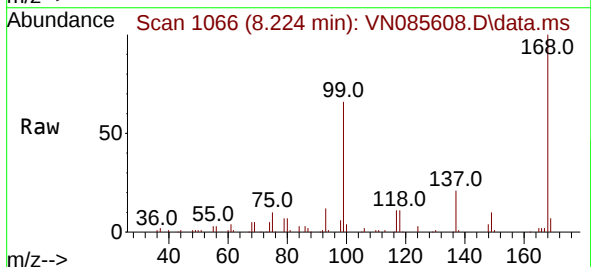


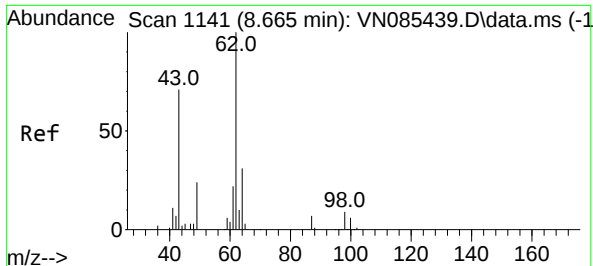
Tgt Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
61 6.5 10.9 16.3#
70 2.4 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.101 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Tgt Ion: 117 Resp: 18279
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.317 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

Instrument :

MSVOA_N

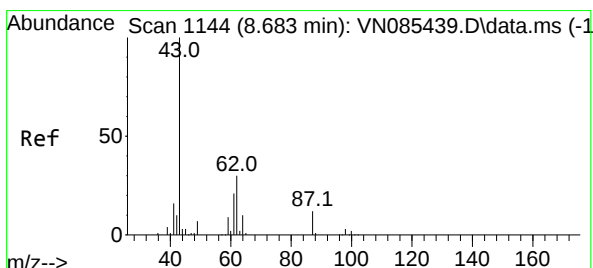
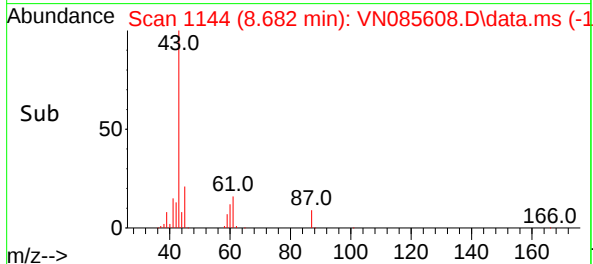
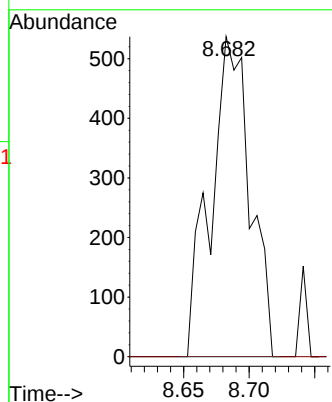
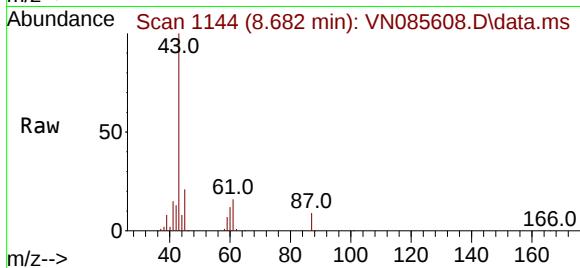
ClientSampleId :

Tgt Ion: 62 Resp: 1124

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 48.160 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

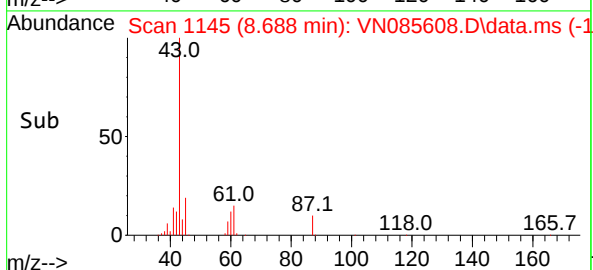
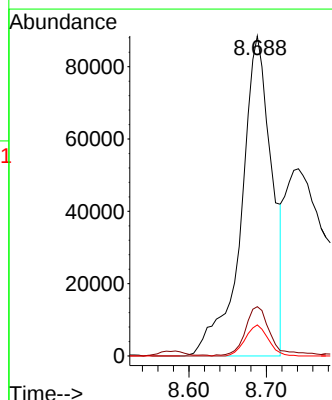
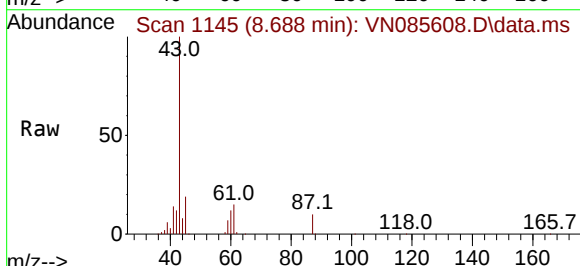
Tgt Ion: 43 Resp: 243799

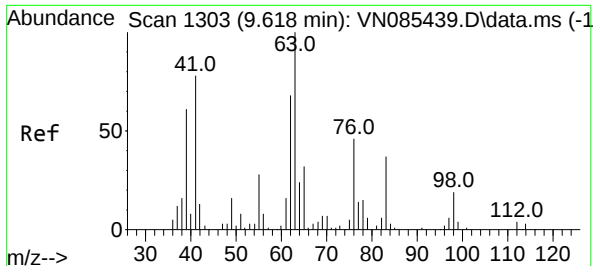
Ion Ratio Lower Upper

43 100

61 12.7 20.7 31.1#

87 7.2 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.674 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

Instrument :

MSVOA_N

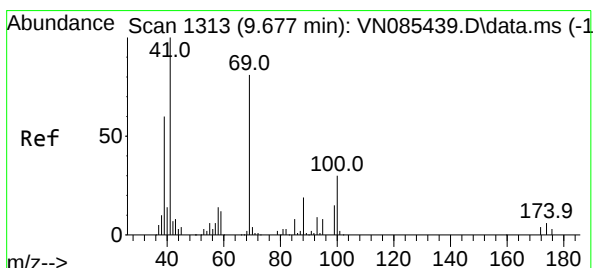
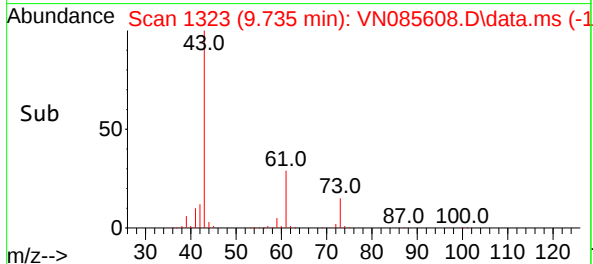
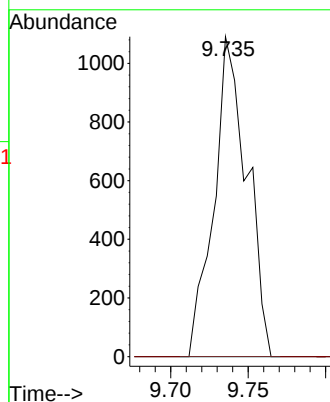
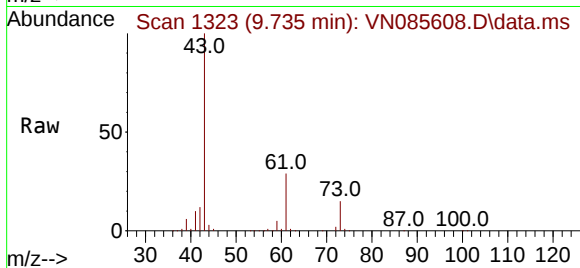
ClientSampleId :

Tgt Ion: 63 Resp: 1619

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 63.318 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

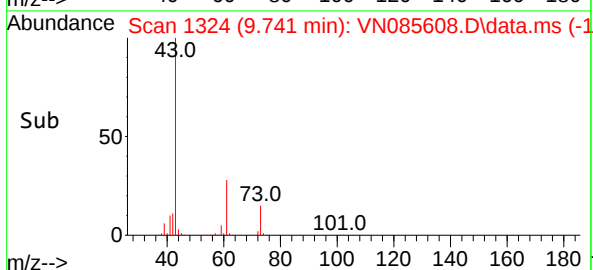
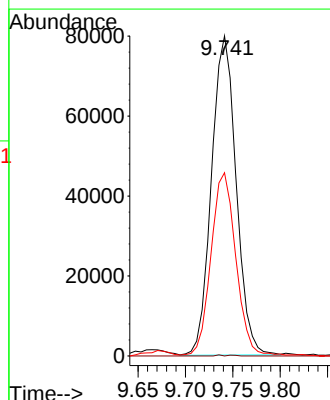
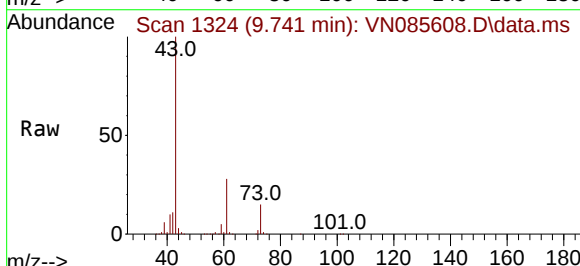
Tgt Ion: 41 Resp: 144247

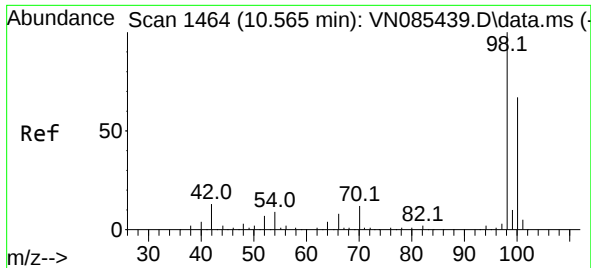
Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 57.3 49.0 73.6

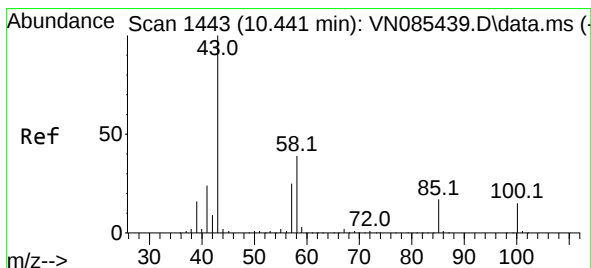
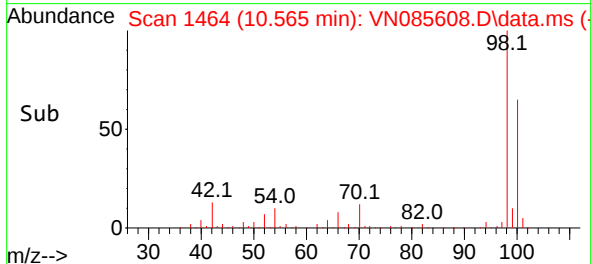
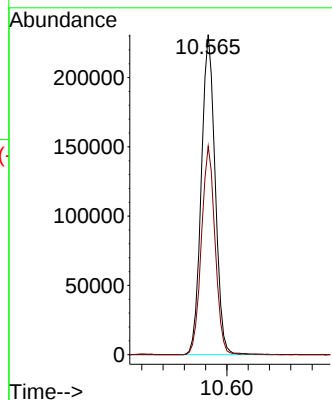
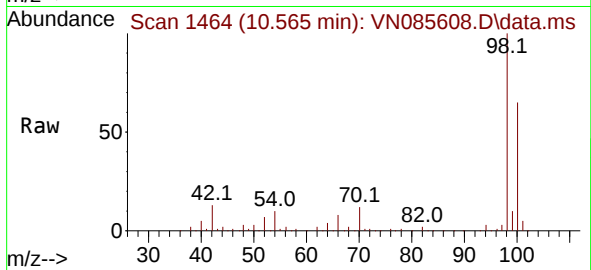




#50
Toluene-d8
Concen: 52.501 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

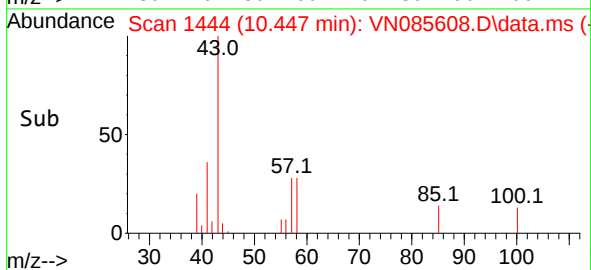
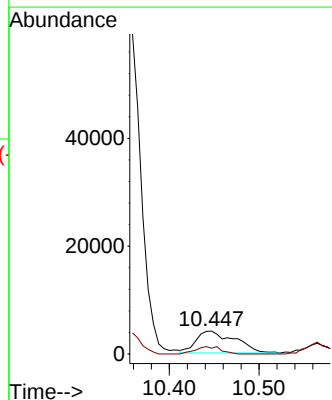
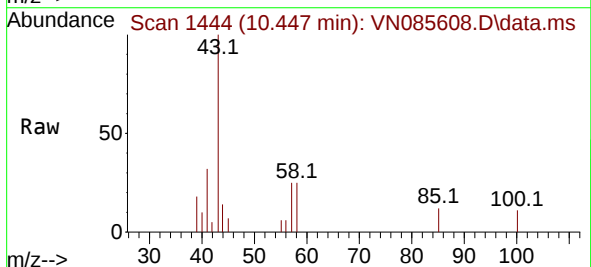
Instrument :
MSVOA_N
ClientSampleId :

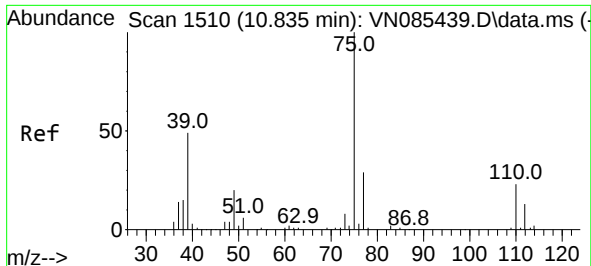
Tgt Ion: 98 Resp: 416004
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.224 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Tgt Ion: 43 Resp: 12409
Ion Ratio Lower Upper
43 100
58 21.5 30.5 45.7#

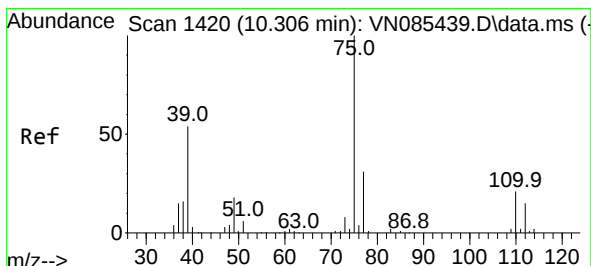
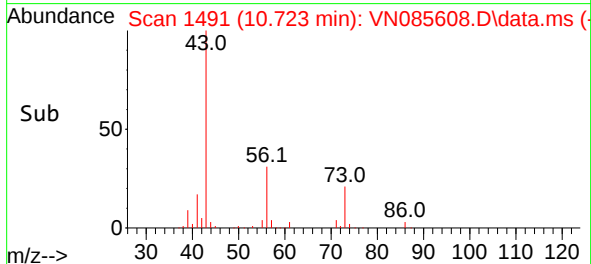
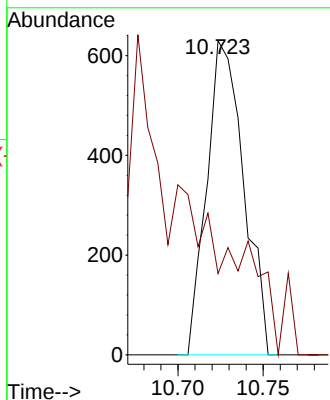
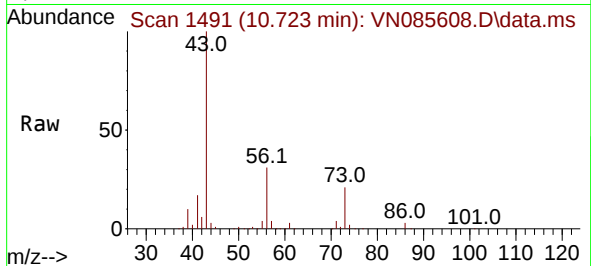




#53
 t-1,3-Dichloropropene
 Concen: 0.285 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085608.D
 Acq: 31 Jan 2025 17:40

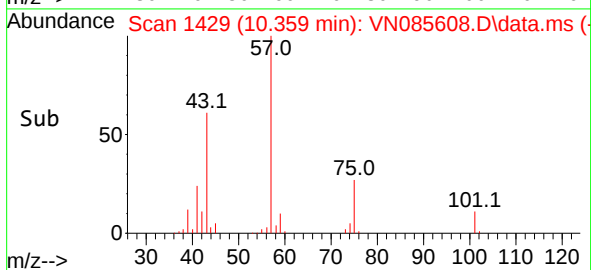
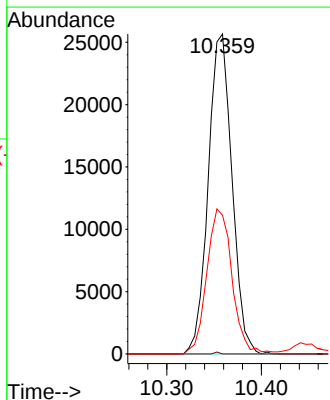
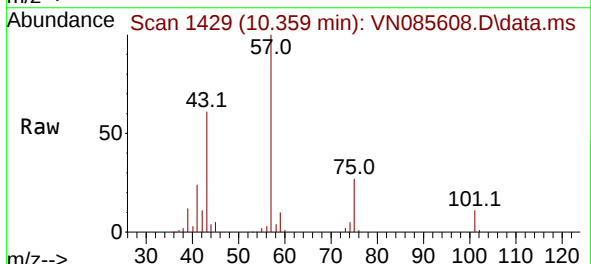
Instrument :
 MSVOA_N
 ClientSampleId :

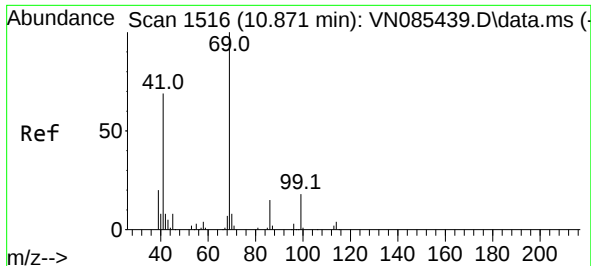
Tgt Ion: 75 Resp: 950
 Ion Ratio Lower Upper
 75 100
 77 25.9 23.5 35.3



#54
 cis-1,3-Dichloropropene
 Concen: 12.570 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085608.D
 Acq: 31 Jan 2025 17:40

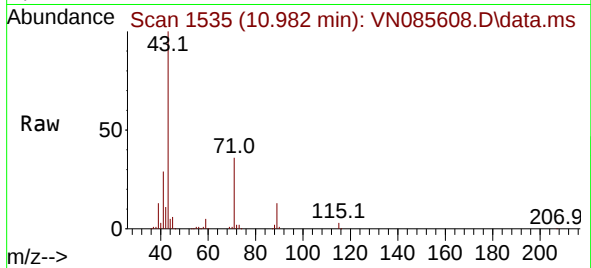
Tgt Ion: 75 Resp: 44808
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 43.3 43.1 64.7



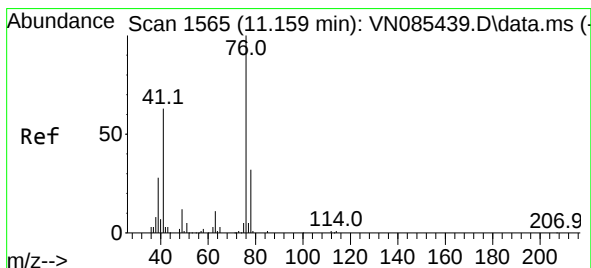
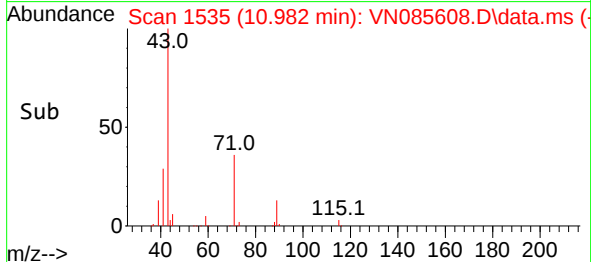
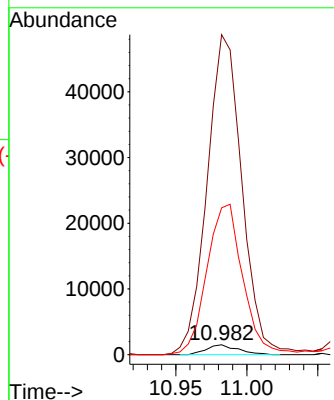


#56
Ethyl methacrylate
Concen: 2.549 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Instrument :
MSVOA_N
ClientSampleId :

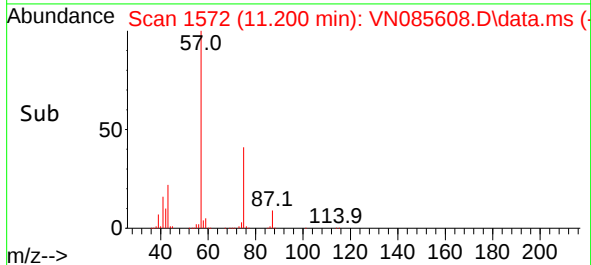
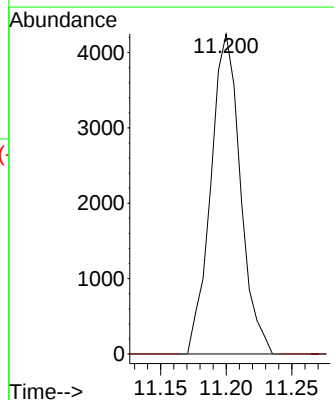
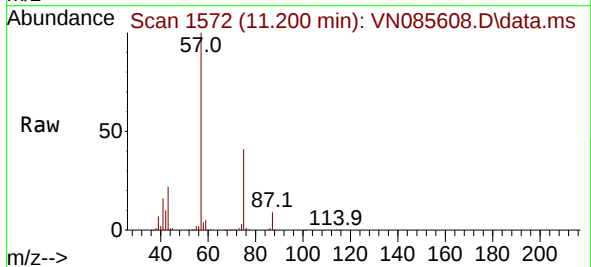


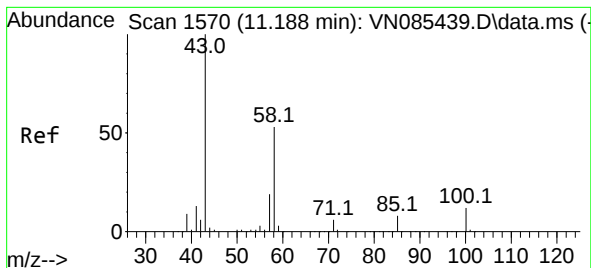
Tgt Ion: 69 Resp: 2336
Ion Ratio Lower Upper
69 100
41 3577.4 54.6 82.0#
39 1721.9 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.778 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Tgt Ion: 76 Resp: 6668
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

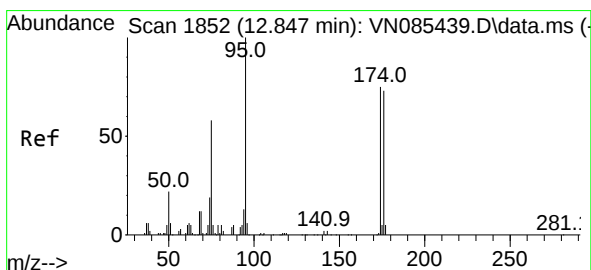
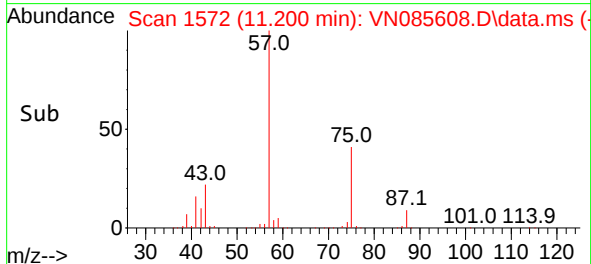
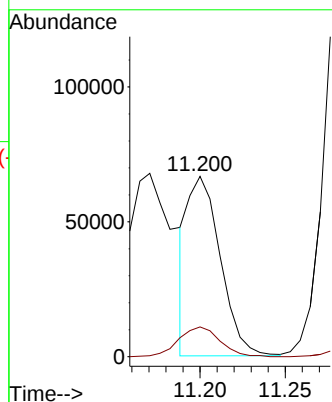
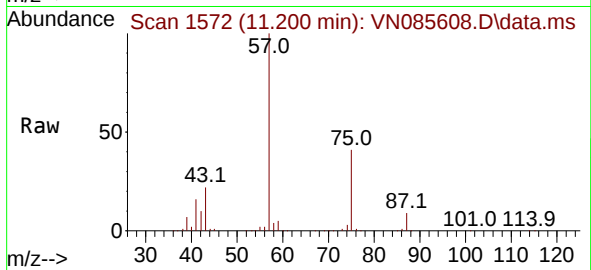




#59
2-Hexanone
Concen: 42.947 ug/l
RT: 11.200 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

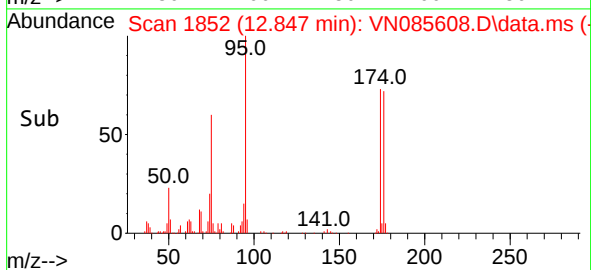
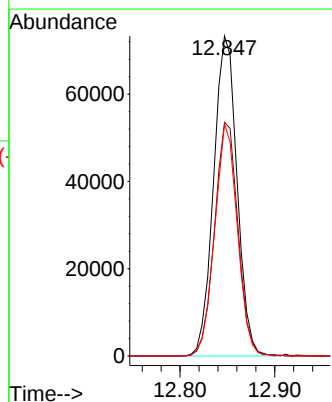
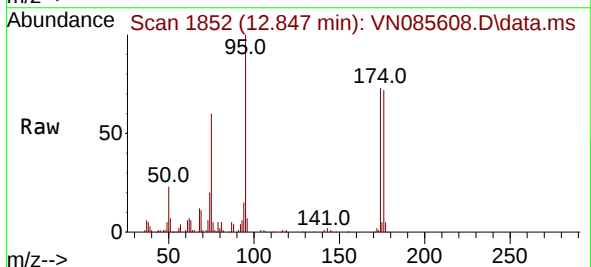
Instrument :
MSVOA_N
ClientSampleId :

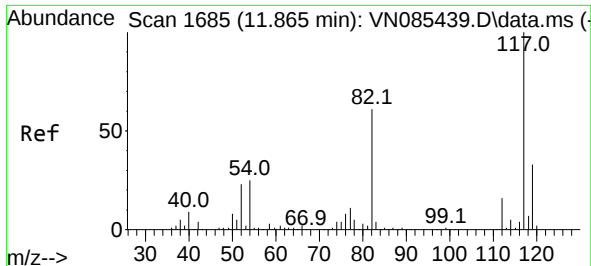
Tgt Ion: 43 Resp: 88769
Ion Ratio Lower Upper
43 100
58 21.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.438 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Tgt Ion: 95 Resp: 125869
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.0
176 70.1 0.0 142.4

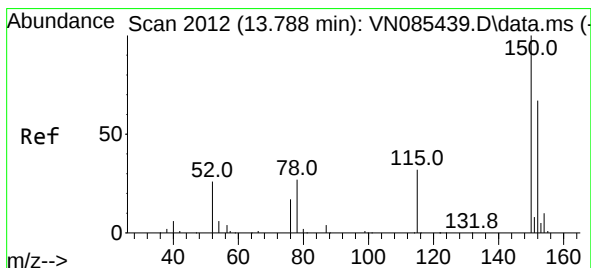
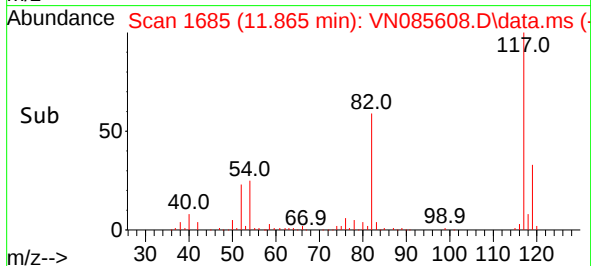
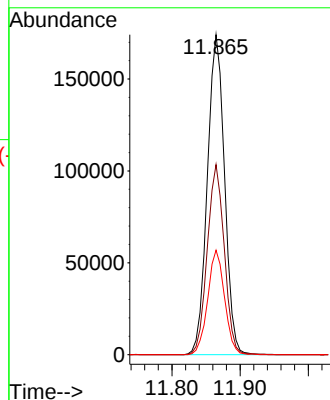
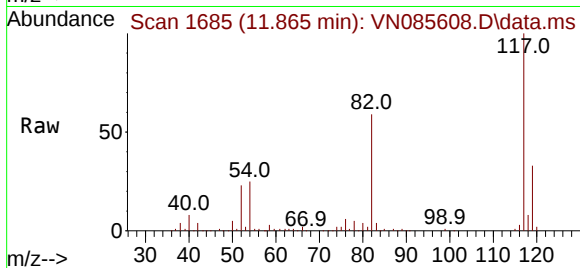




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

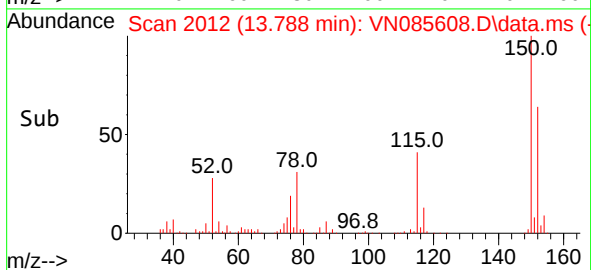
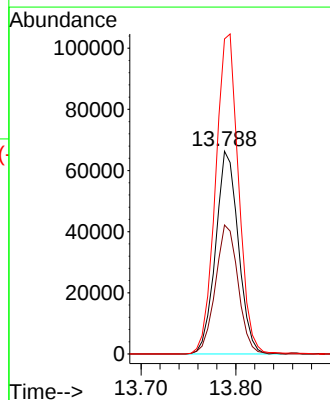
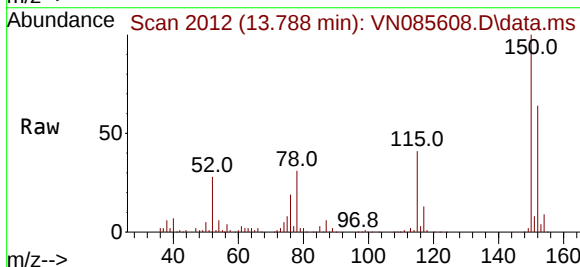
Instrument :
MSVOA_N
ClientSampleId :

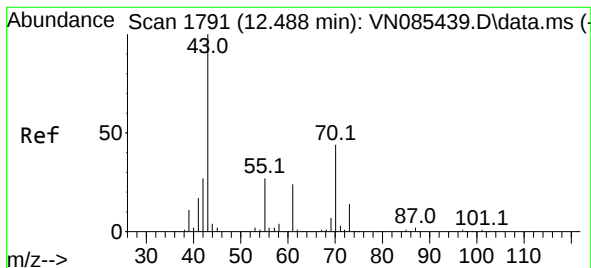
Tgt Ion:117 Resp: 306392
Ion Ratio Lower Upper
117 100
82 59.4 48.6 72.8
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085608.D
Acq: 31 Jan 2025 17:40

Tgt Ion:152 Resp: 110446
Ion Ratio Lower Upper
152 100
115 63.8 31.1 93.3
150 159.9 0.0 343.6





#74

N-amy1 acetate

Concen: 0.542 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085608.D

Acq: 31 Jan 2025 17:40

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1815

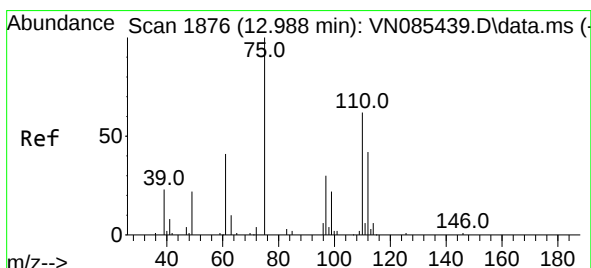
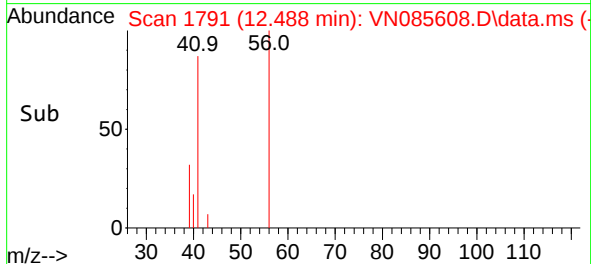
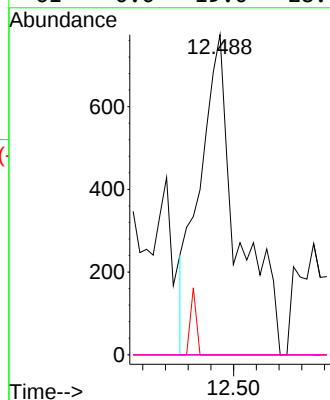
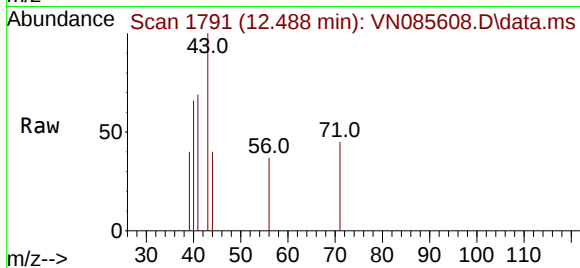
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 21.4 32.2#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 31.908 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085608.D

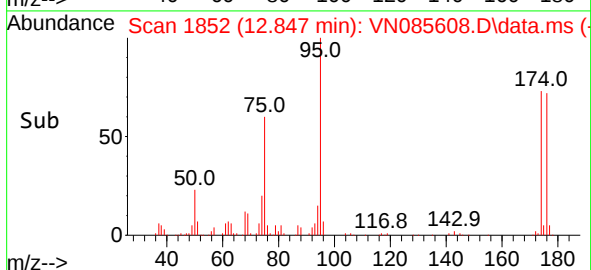
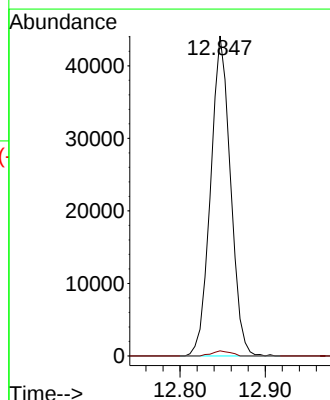
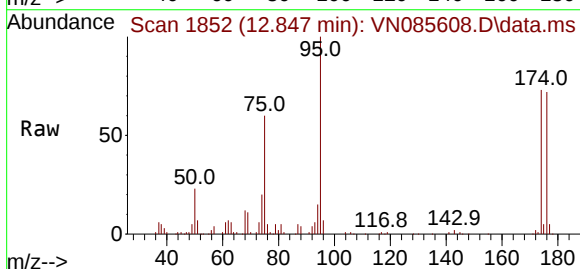
Acq: 31 Jan 2025 17:40

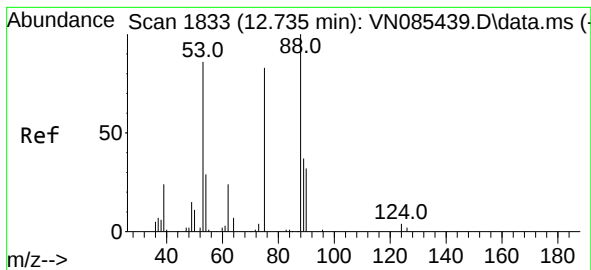
Tgt Ion: 75 Resp: 71629

Ion Ratio Lower Upper

75 100

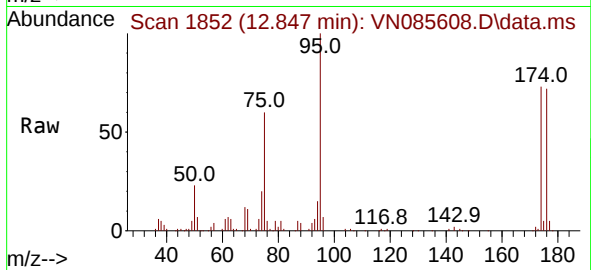
77 1.5 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.330 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085608.D
 Acq: 31 Jan 2025 17:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 71629
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 37.0 55.6#

