

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085564.D
 Acq On : 29 Jan 2025 17:53
 Operator : JC\MD
 Sample : PB166319ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:39:32 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

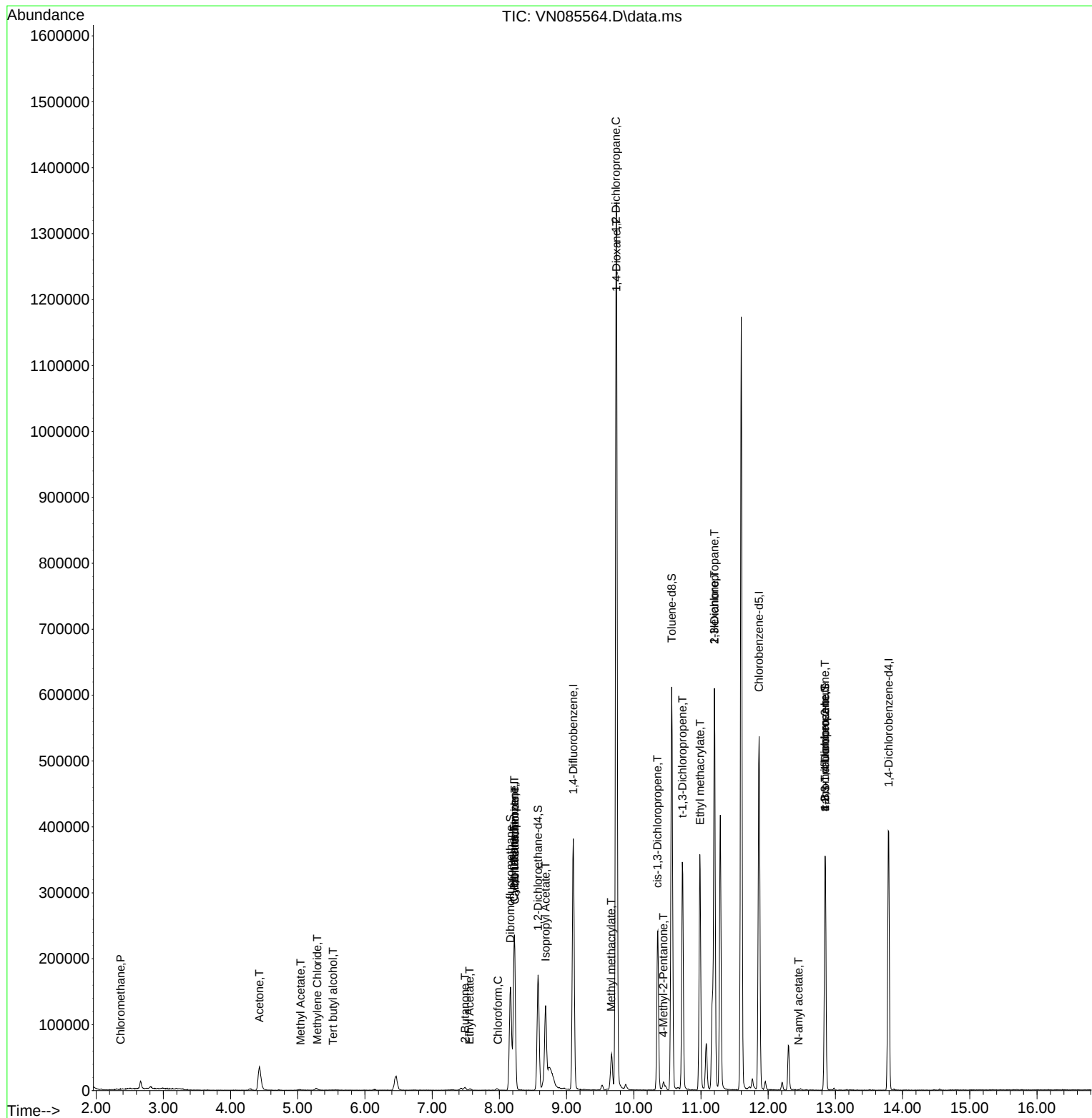
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	158521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144729	56.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.120%	
35) Dibromofluoromethane	8.165	113	109146	51.387	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.780%	
50) Toluene-d8	10.565	98	402826	53.379	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.760%	
62) 4-Bromofluorobenzene	12.847	95	117365	45.464	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.920%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	467	0.201	ug/l	95
11) Tert butyl alcohol	5.524	59	97	0.331	ug/l #	71
16) Acetone	4.430	43	70655	85.457	ug/l	94
18) Methyl Acetate	5.042	43	2039	0.811	ug/l #	52
20) Methylene Chloride	5.289	84	1769	0.864	ug/l #	93
25) 2-Butanone	7.489	43	7050	5.794	ug/l #	87
30) Chloroform	7.977	83	2569	0.665	ug/l #	67
31) Cyclohexane	8.218	56	4599	1.416	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	14839	4.978	ug/l #	52
37) Ethyl Acetate	7.559	43	3491	1.160	ug/l #	77
38) Carbon Tetrachloride	8.230	117	17451	5.113	ug/l #	19
43) Isopropyl Acetate	8.688	43	148342	30.768	ug/l #	84
45) 1,2-Dichloropropane	9.735	63	1544	0.675	ug/l #	43
48) Methyl methacrylate	9.665	41	4063	1.873	ug/l #	15
49) 1,4-Dioxane	9.741	88	208	5.693	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12320	4.404	ug/l #	76
53) t-1,3-Dichloropropene	10.724	75	856	0.269	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	38403	11.312	ug/l #	69
56) Ethyl methacrylate	10.988	69	2010	2.490	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5997	1.679	ug/l #	43
59) 2-Hexanone	11.200	43	74448	37.818	ug/l #	60
74) N-amyl acetate	12.453	43	876	0.280	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	66298	31.673	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66298	85.694	ug/l #	3

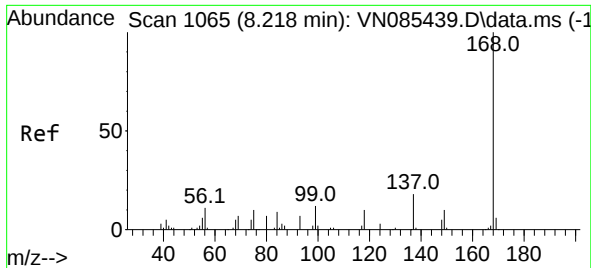
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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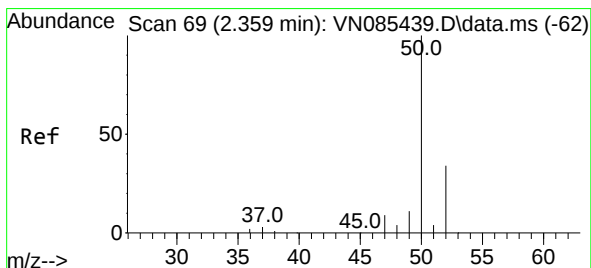
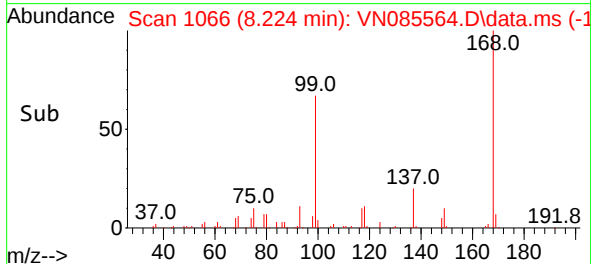
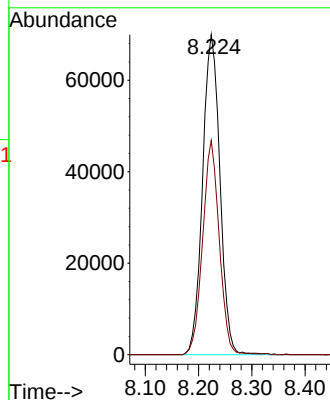
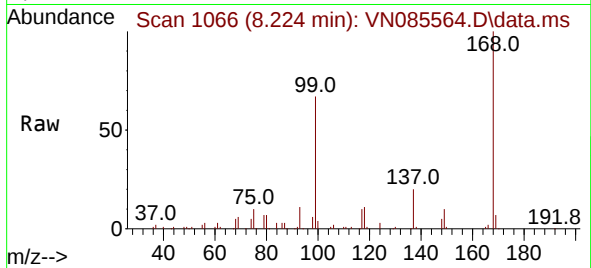




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

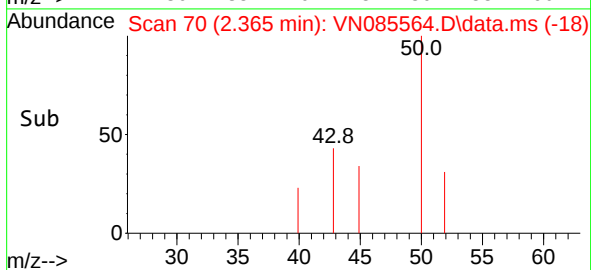
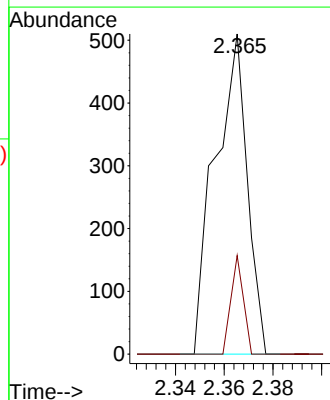
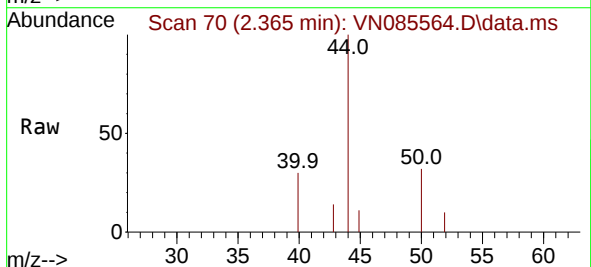
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 158521
Ion Ratio Lower Upper
168 100
99 66.9 53.6 80.4



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

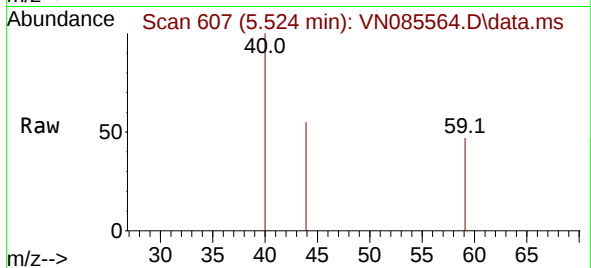
Tgt Ion: 50 Resp: 467
Ion Ratio Lower Upper
50 100
52 30.8 27.0 40.6



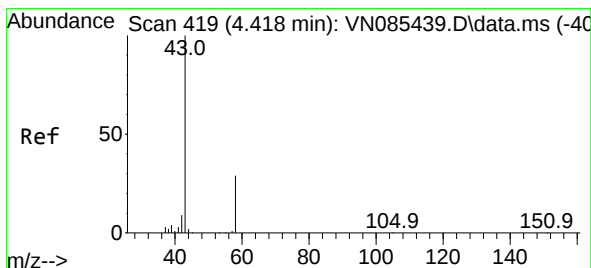
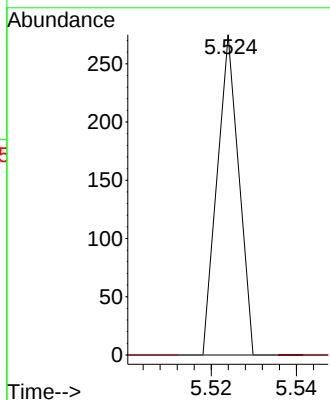
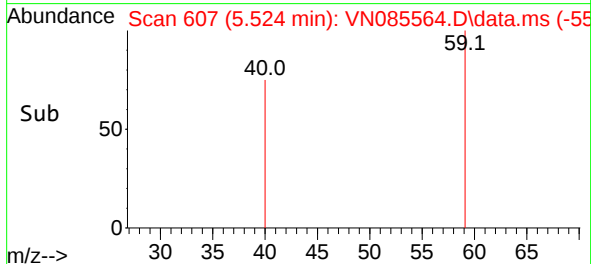


#11
Tert butyl alcohol
Concen: 0.331 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

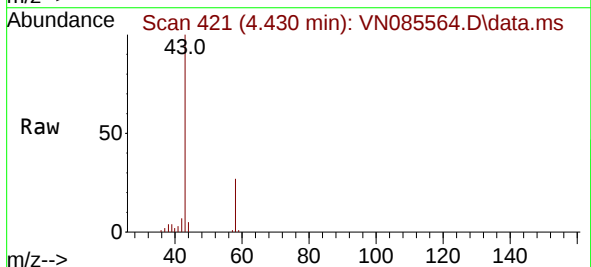
Instrument :
MSVOA_N
ClientSampleId :



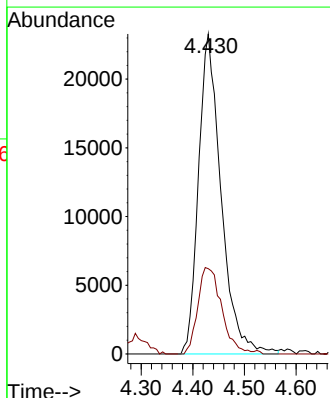
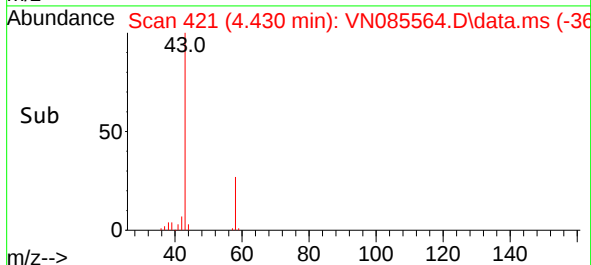
Tgt Ion: 59 Resp: 97
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 85.457 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53



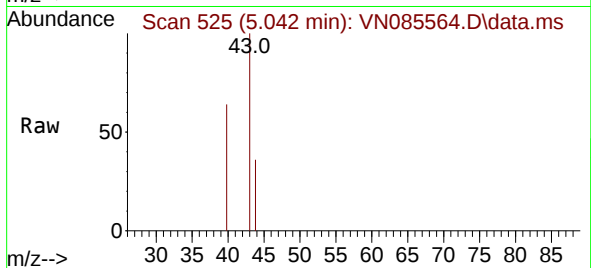
Tgt Ion: 43 Resp: 70655
Ion Ratio Lower Upper
43 100
58 26.6 23.8 35.6



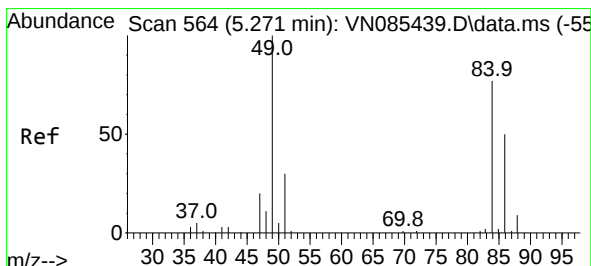
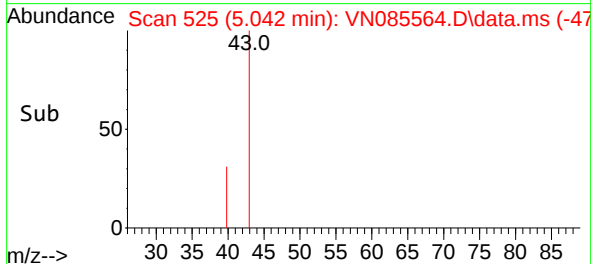
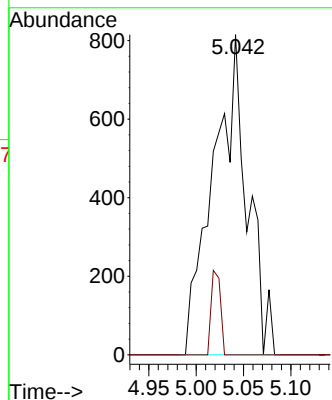


#18
Methyl Acetate
Concen: 0.811 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Instrument :
MSVOA_N
ClientSampleId :

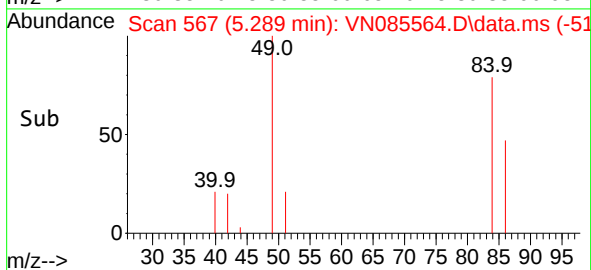
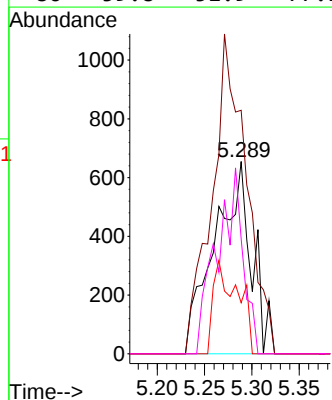
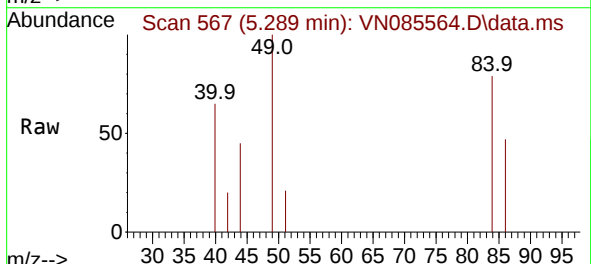


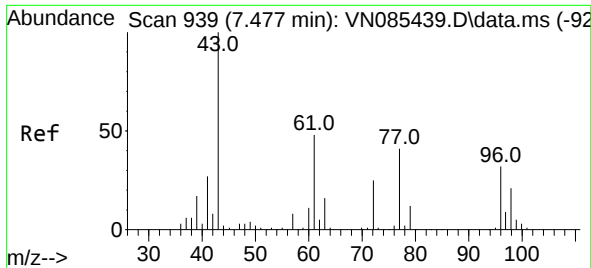
Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 0.864 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Tgt Ion: 84 Resp: 1769
Ion Ratio Lower Upper
84 100
49 126.6 104.1 156.1
51 26.6 31.0 46.4#
86 59.8 51.9 77.9

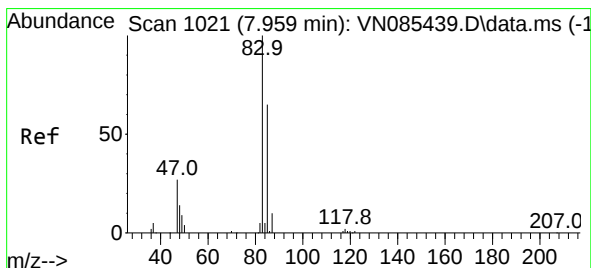
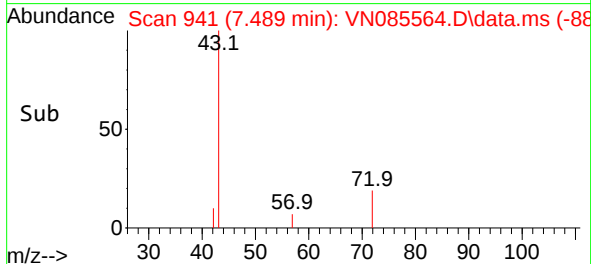
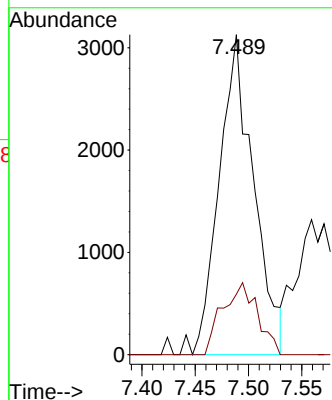
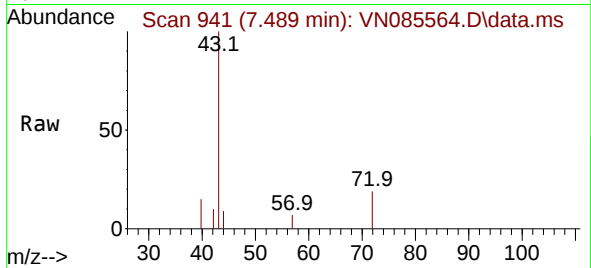




#25
2-Butanone
Concen: 5.794 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

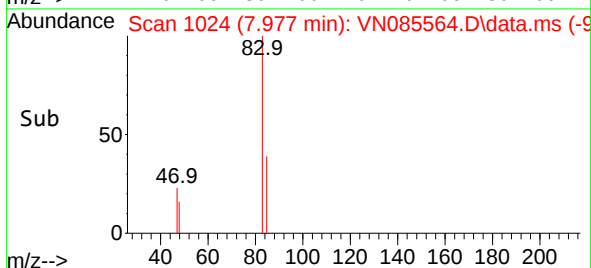
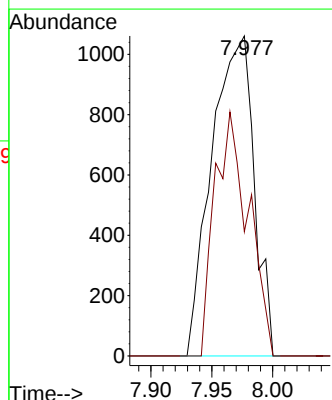
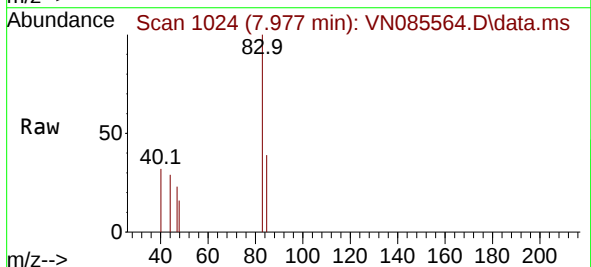
Instrument :
MSVOA_N
ClientSampleId :

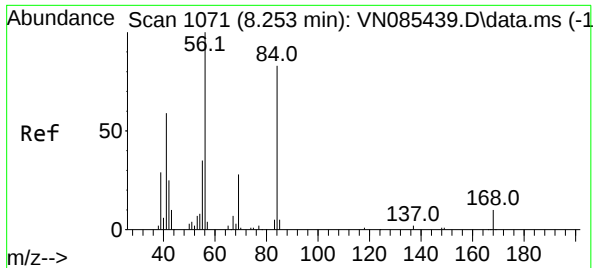
Tgt Ion: 43 Resp: 7050
Ion Ratio Lower Upper
43 100
72 18.9 20.2 30.4#



#30
Chloroform
Concen: 0.665 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.018 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

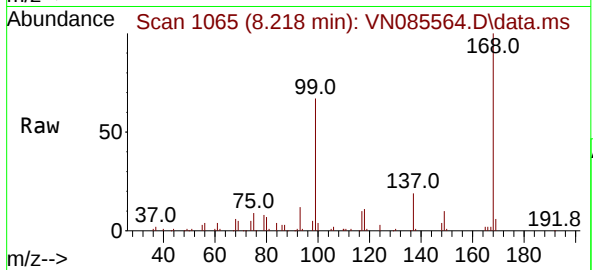
Tgt Ion: 83 Resp: 2569
Ion Ratio Lower Upper
83 100
85 38.8 51.8 77.6#



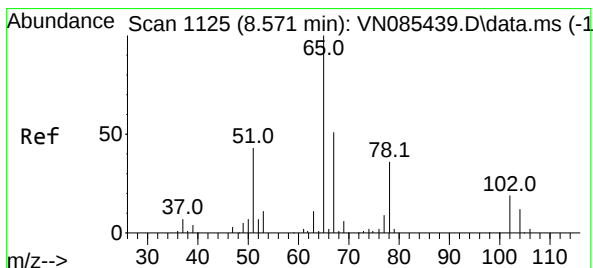
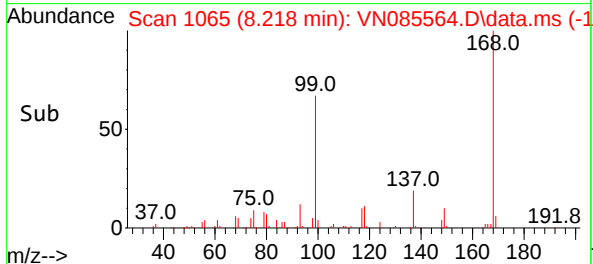
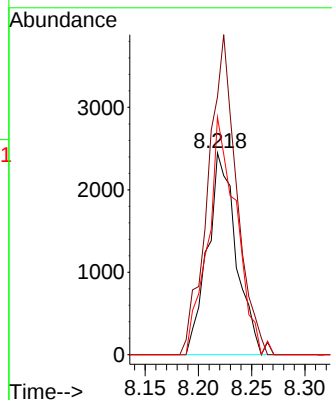


#31
Cyclohexane
Concen: 1.416 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Instrument :
MSVOA_N
ClientSampleId :

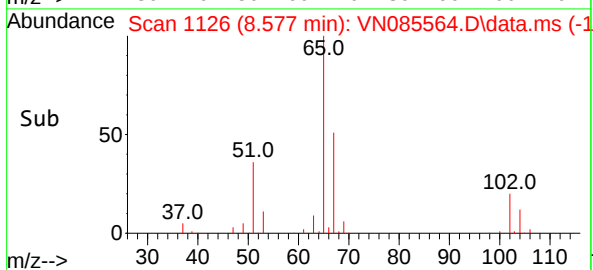
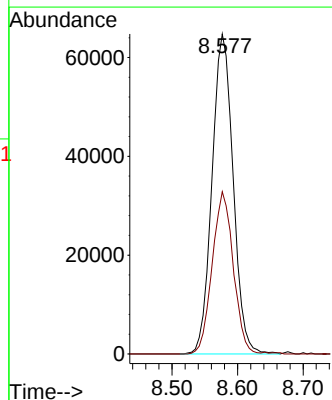
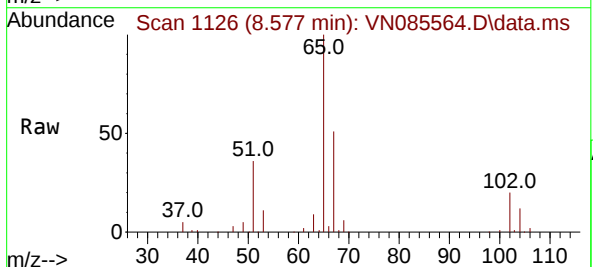


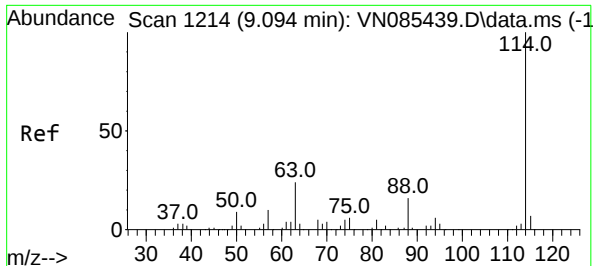
Tgt Ion: 56 Resp: 4599
Ion Ratio Lower Upper
56 100
69 127.8 22.2 33.4#
84 117.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.560 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Tgt Ion: 65 Resp: 144729
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

Instrument :

MSVOA_N

ClientSampleId :

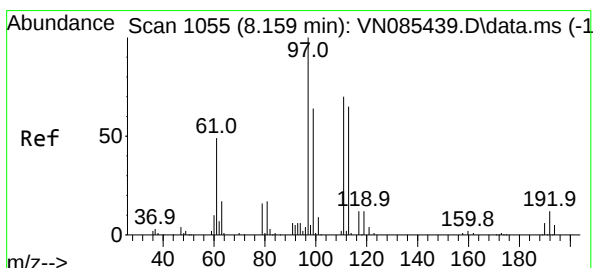
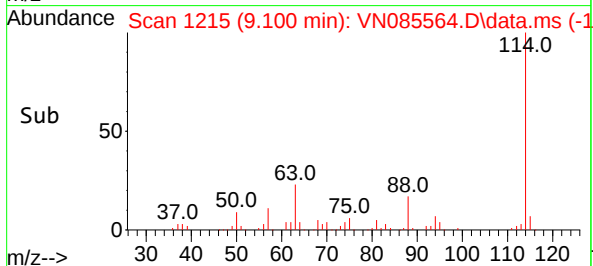
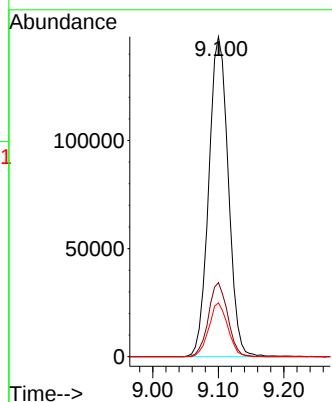
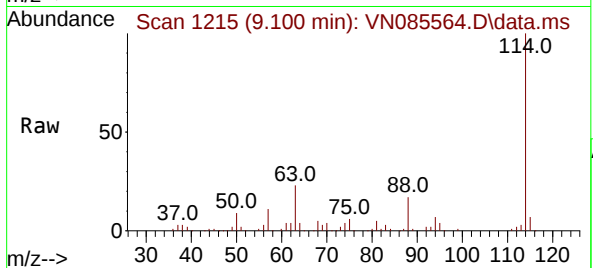
Tgt Ion:114 Resp: 306163

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.6

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.387 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

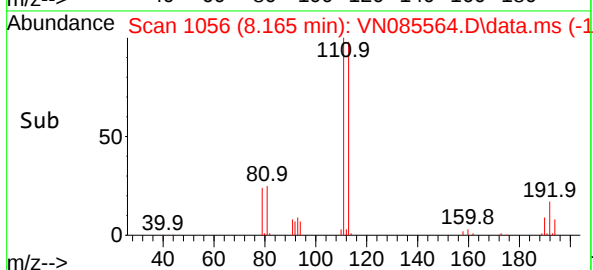
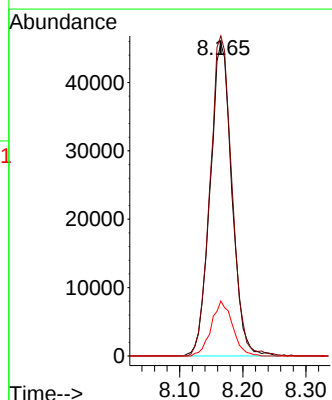
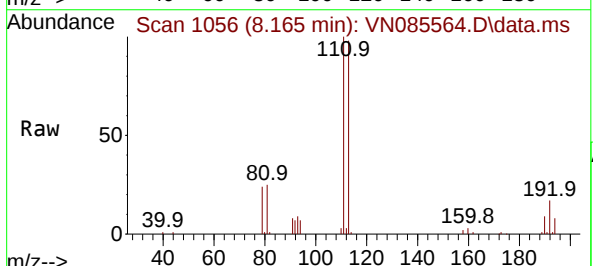
Tgt Ion:113 Resp: 109146

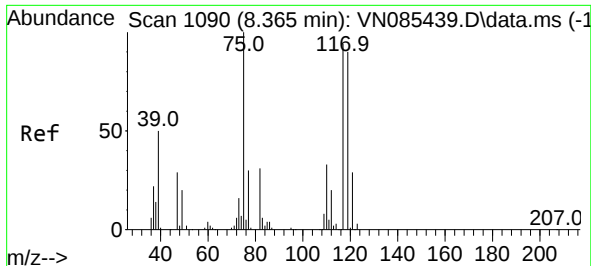
Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.978 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

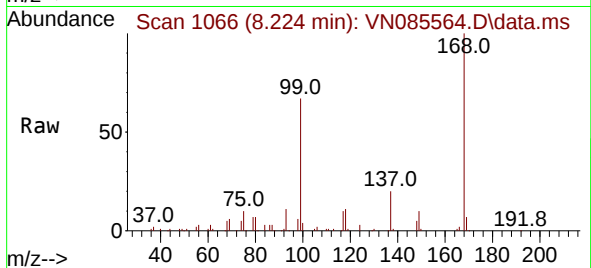
Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

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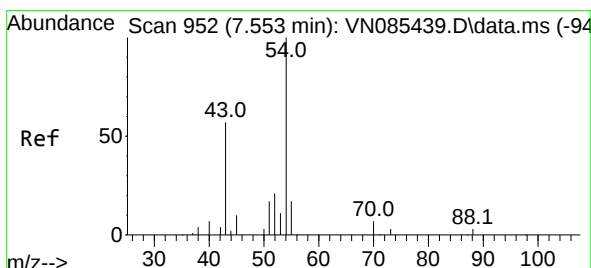
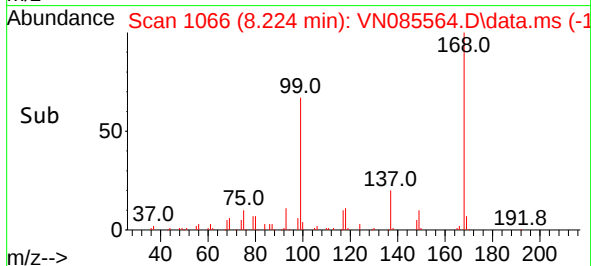
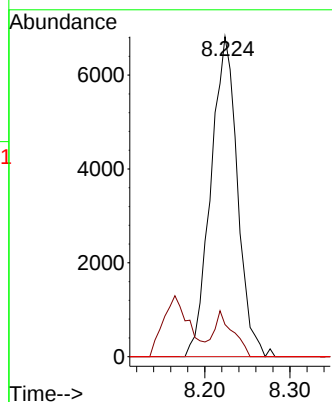
Tgt Ion: 75 Resp: 14839

Ion Ratio Lower Upper

75 100

110 10.2 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.160 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

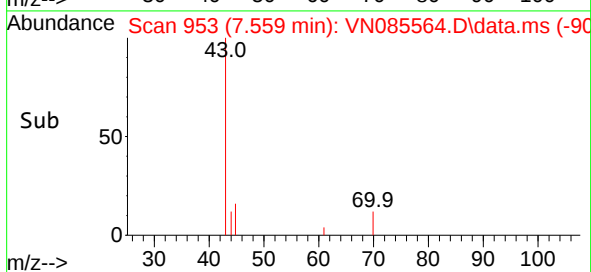
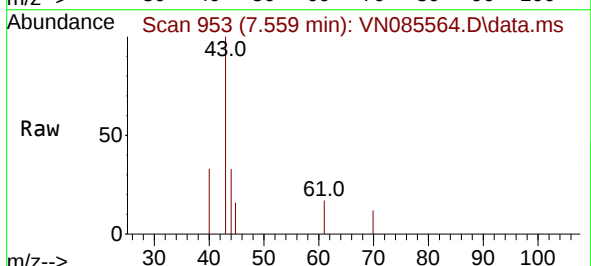
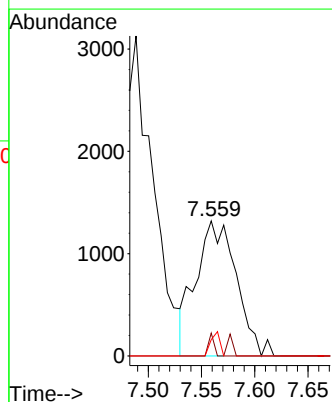
Tgt Ion: 43 Resp: 3491

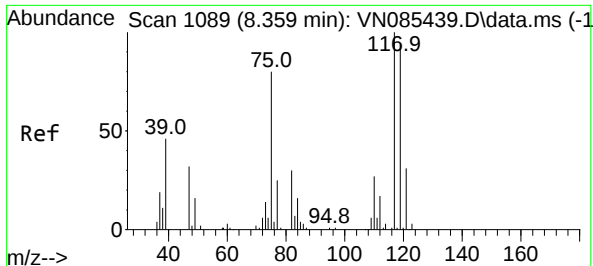
Ion Ratio Lower Upper

43 100

61 2.3 10.9 16.3#

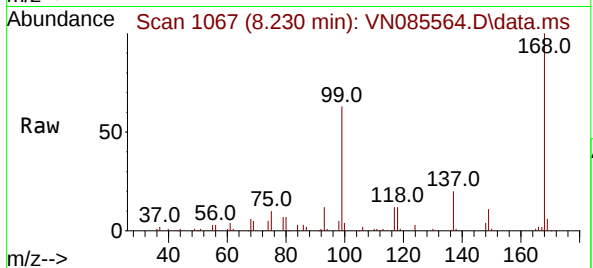
70 4.0 7.5 11.3#



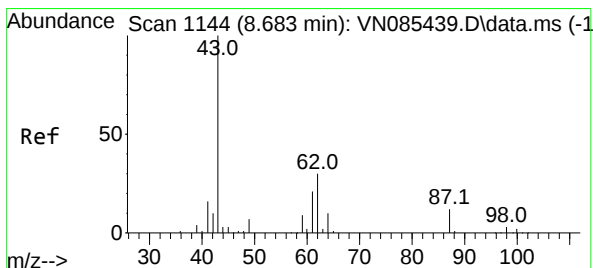
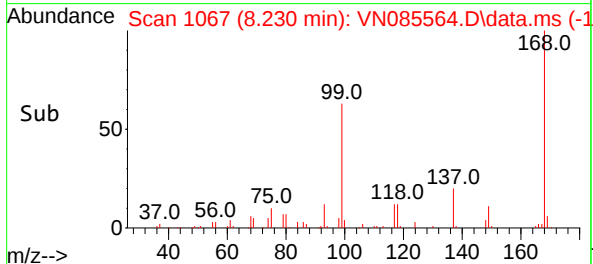
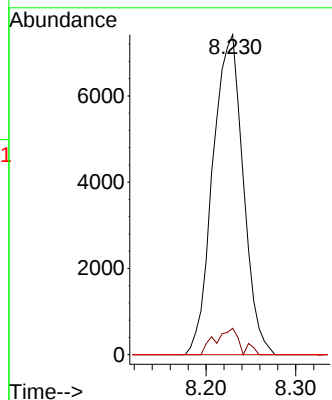


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.230 min Scan# 1089
Delta R.T. -0.129 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Instrument :
MSVOA_N
ClientSampleId :

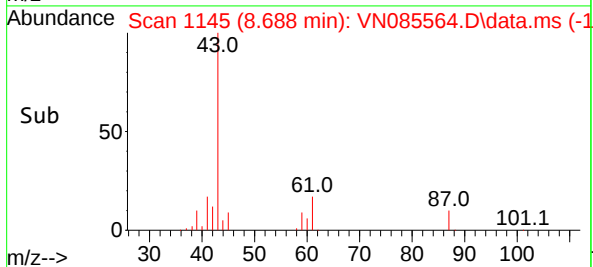
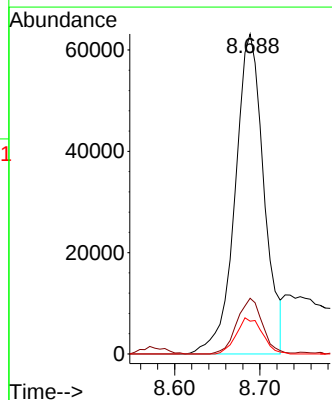
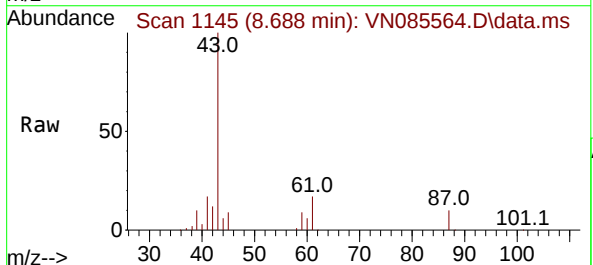


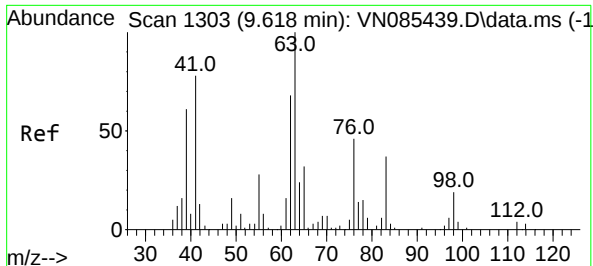
Tgt Ion:117 Resp: 17451
Ion Ratio Lower Upper
117 100
119 8.2 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 30.768 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Tgt Ion: 43 Resp: 148342
Ion Ratio Lower Upper
43 100
61 15.4 20.7 31.1#
87 10.2 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.675 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

Instrument :

MSVOA_N

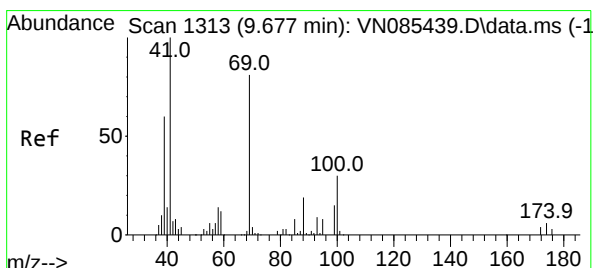
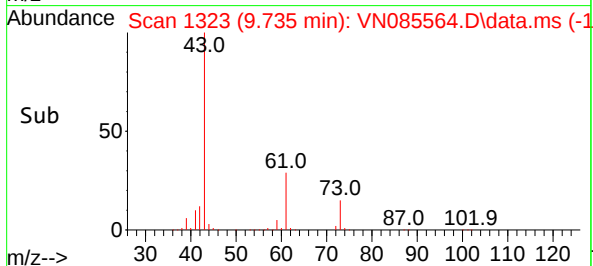
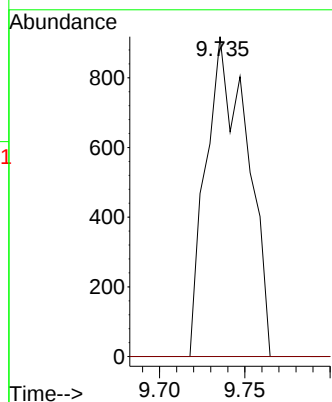
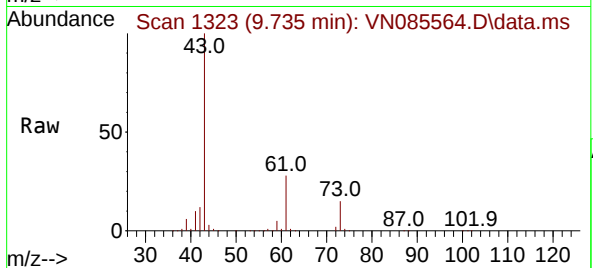
ClientSampleId :

Tgt Ion: 63 Resp: 1544

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.873 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

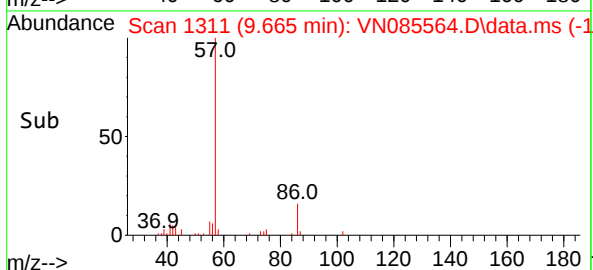
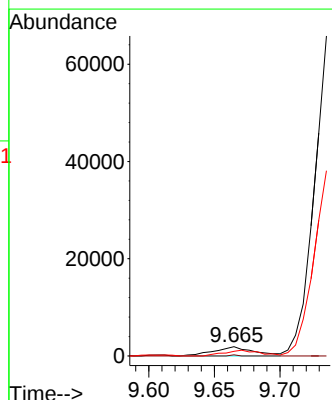
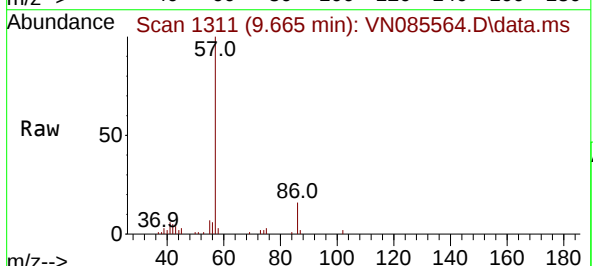
Tgt Ion: 41 Resp: 4063

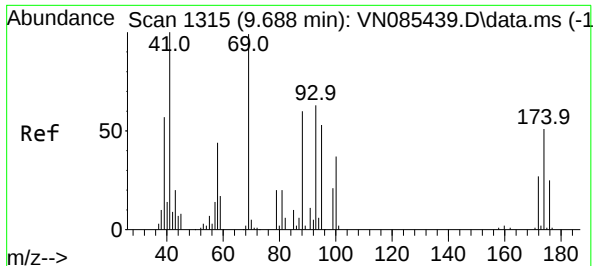
Ion Ratio Lower Upper

41 100

69 1.9 64.7 97.1#

39 0.0 49.0 73.6#





#49

1,4-Dioxane

Concen: 5.693 ug/l

RT: 9.741 min Scan# 1315

Delta R.T. 0.053 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

Instrument :

MSVOA_N

ClientSampleId :

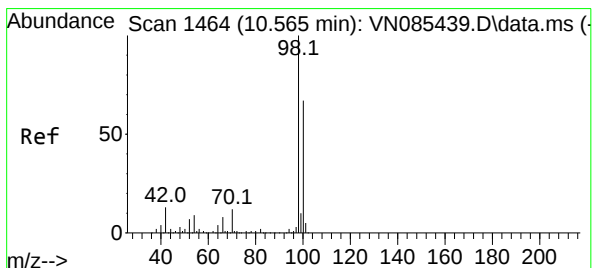
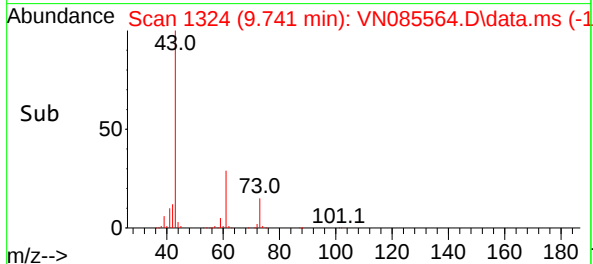
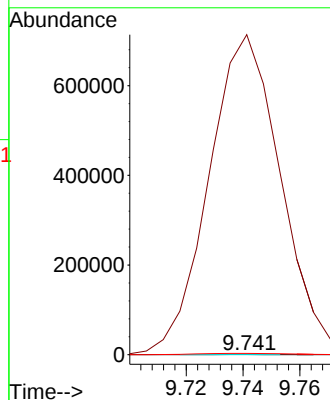
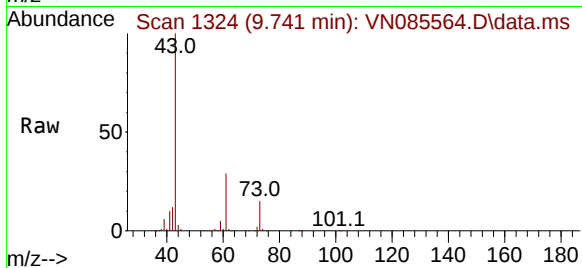
Tgt Ion: 88 Resp: 208

Ion Ratio Lower Upper

88 100

43 607239.4 26.6 39.8#

58 3180.8 59.5 89.3#



#50

Toluene-d8

Concen: 53.379 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085564.D

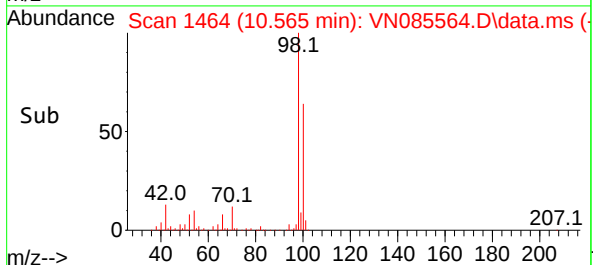
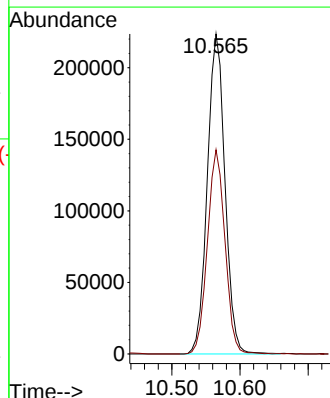
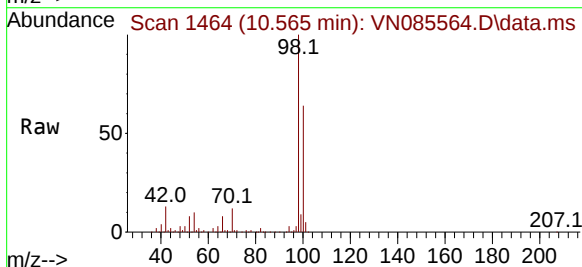
Acq: 29 Jan 2025 17:53

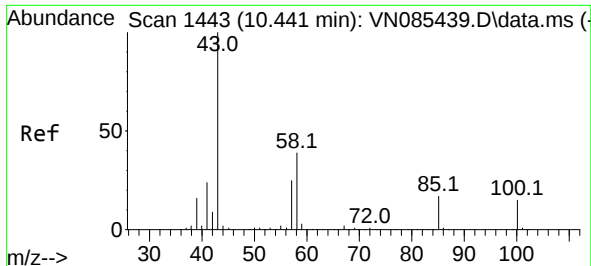
Tgt Ion: 98 Resp: 402826

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.4

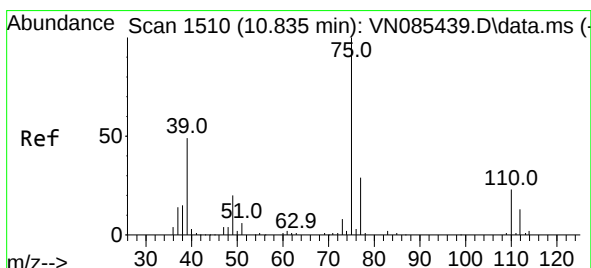
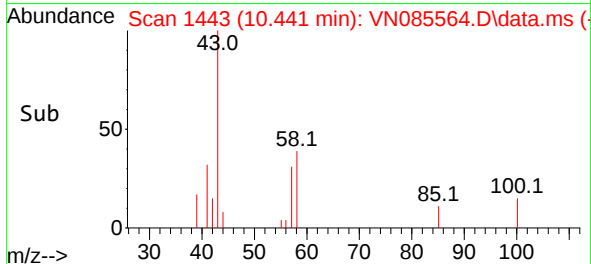
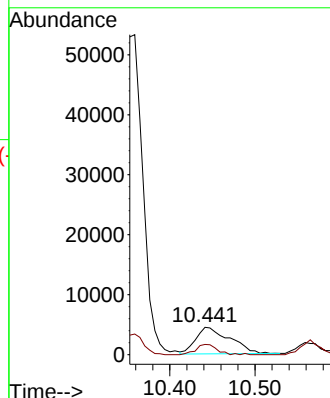
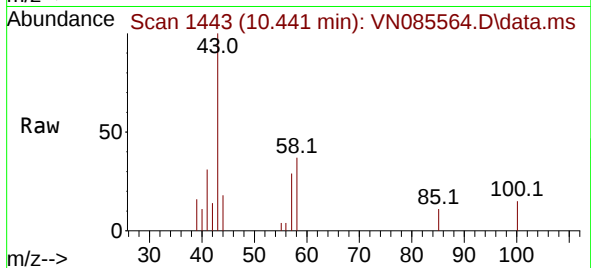




#51
4-Methyl-2-Pentanone
Concen: 4.404 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

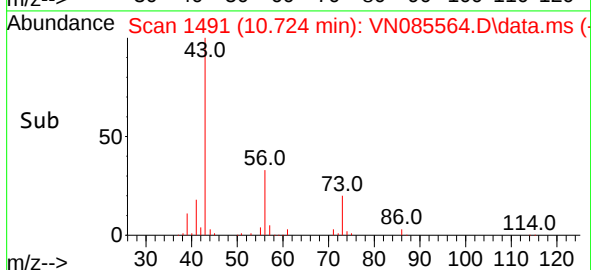
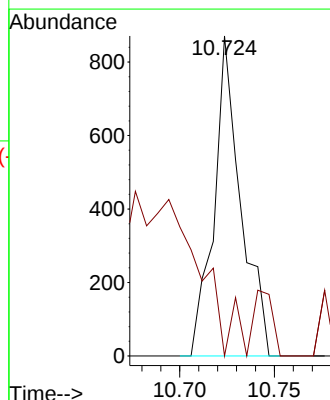
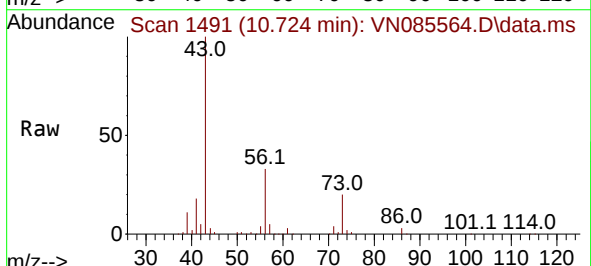
Instrument :
MSVOA_N
ClientSampleId :

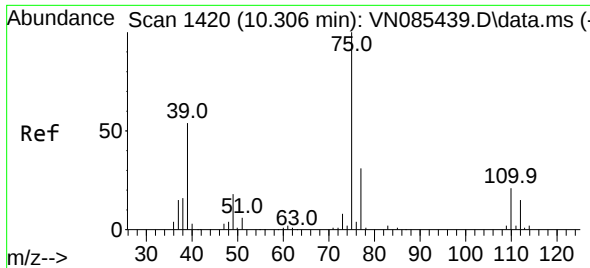
Tgt Ion: 43 Resp: 12320
Ion Ratio Lower Upper
43 100
58 23.8 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Tgt Ion: 75 Resp: 856
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

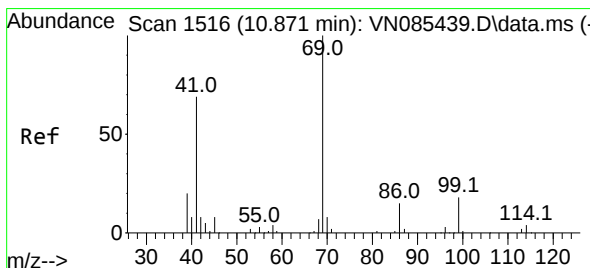
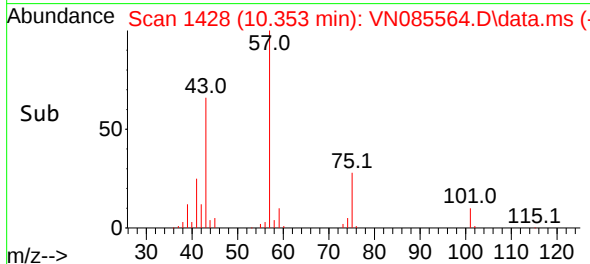
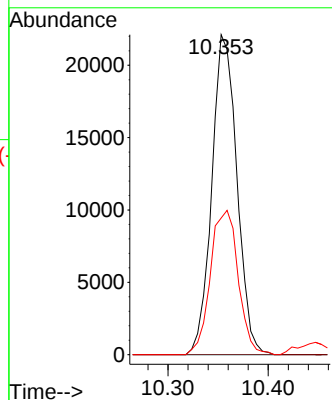
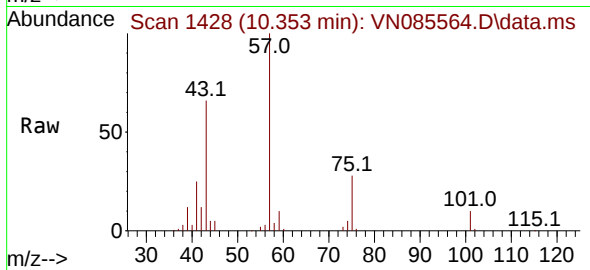




#54
 cis-1,3-Dichloropropene
 Concen: 11.312 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085564.D
 Acq: 29 Jan 2025 17:53

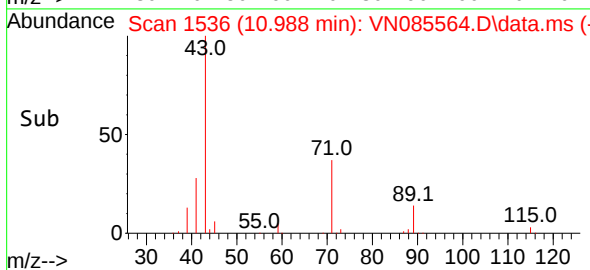
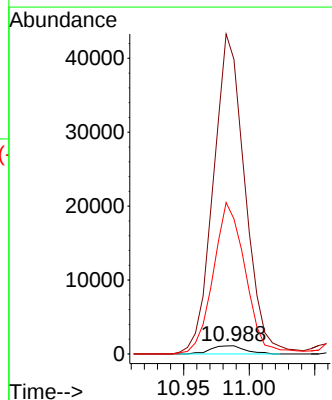
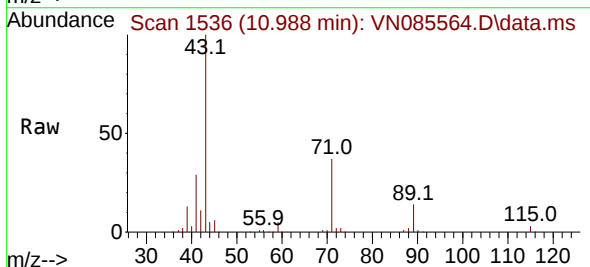
Instrument :
 MSVOA_N
 ClientSampleId :

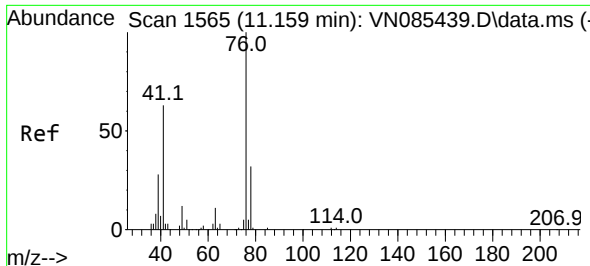
Tgt Ion: 75 Resp: 38403
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 42.7 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.490 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085564.D
 Acq: 29 Jan 2025 17:53

Tgt Ion: 69 Resp: 2010
 Ion Ratio Lower Upper
 69 100
 41 3607.9 54.6 82.0#
 39 1740.1 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.679 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

Instrument :

MSVOA_N

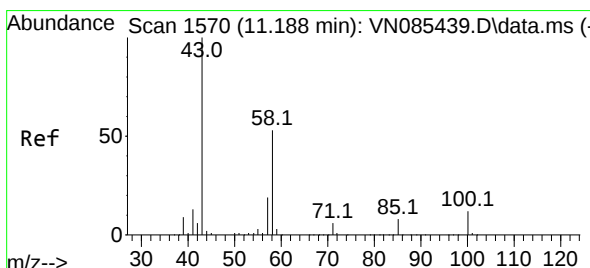
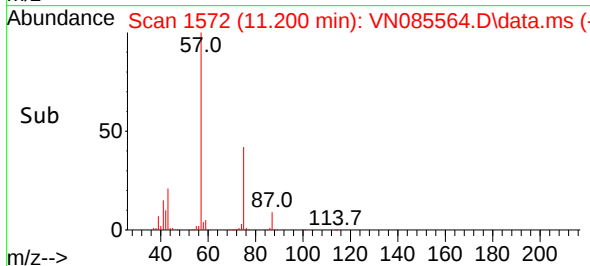
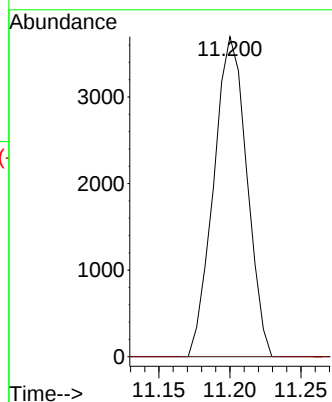
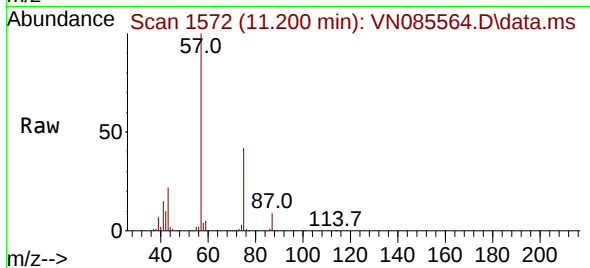
ClientSampleId :

Tgt Ion: 76 Resp: 5997

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.818 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085564.D

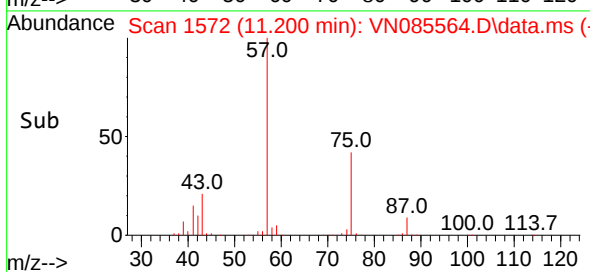
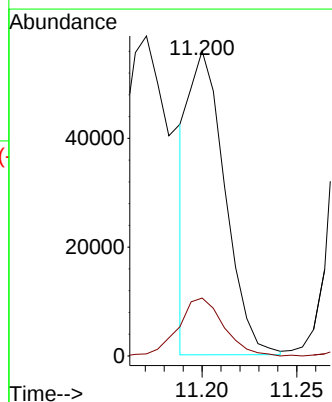
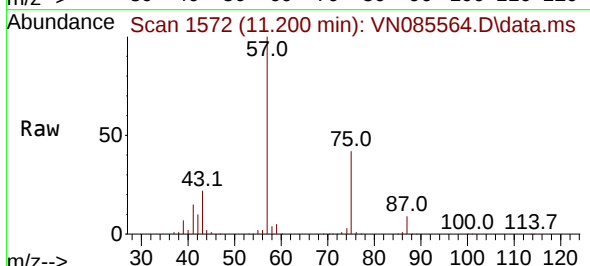
Acq: 29 Jan 2025 17:53

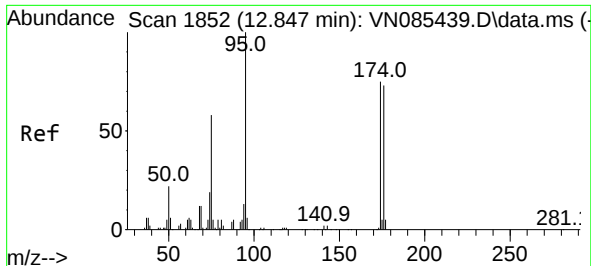
Tgt Ion: 43 Resp: 74448

Ion Ratio Lower Upper

43 100

58 23.9 26.2 78.6#

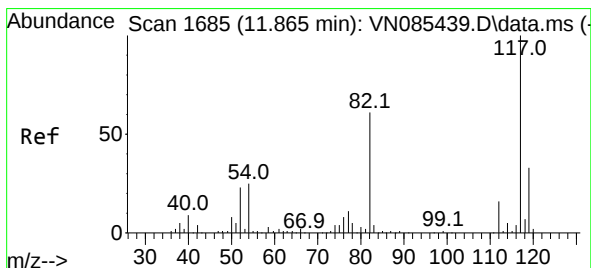
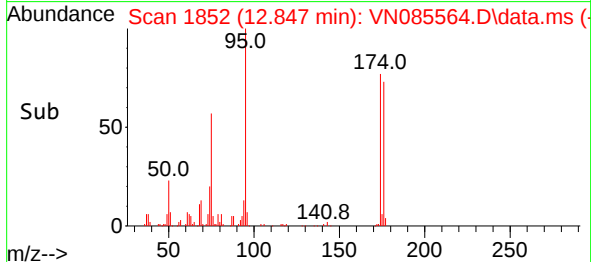
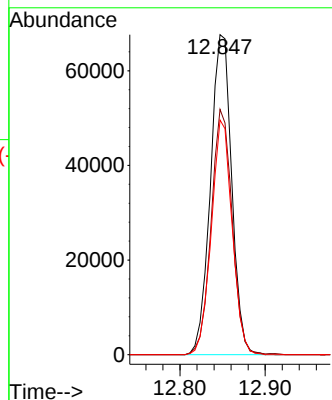
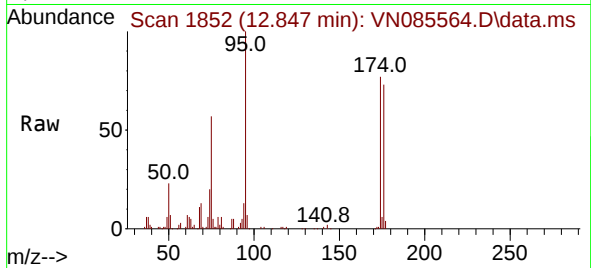




#62
4-Bromofluorobenzene
Concen: 45.464 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

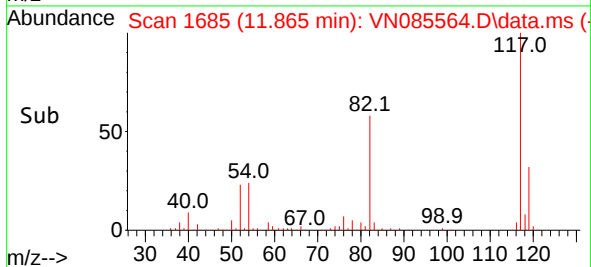
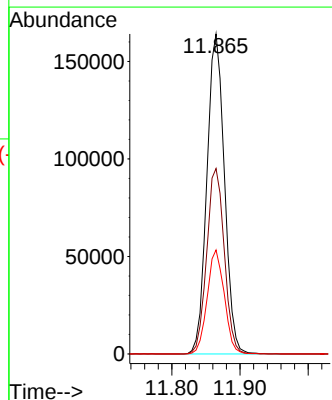
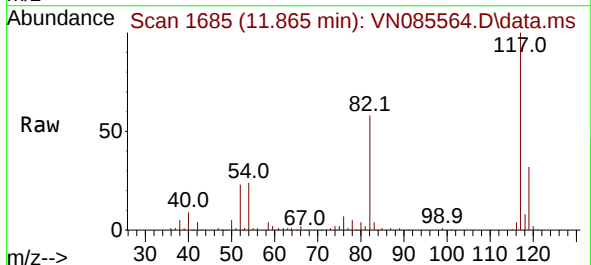
Instrument :
MSVOA_N
ClientSampleId :

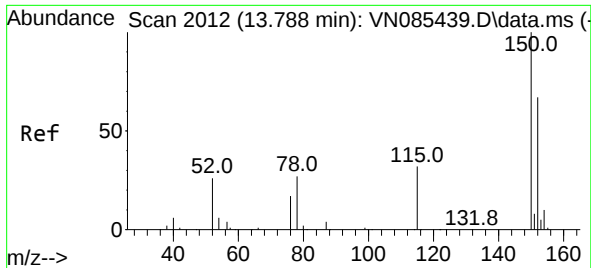
Tgt Ion: 95 Resp: 117365
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.0
176 71.8 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Tgt Ion: 117 Resp: 293524
Ion Ratio Lower Upper
117 100
82 57.9 48.6 72.8
119 32.5 26.6 39.8

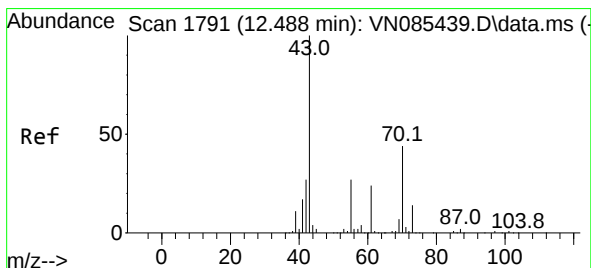
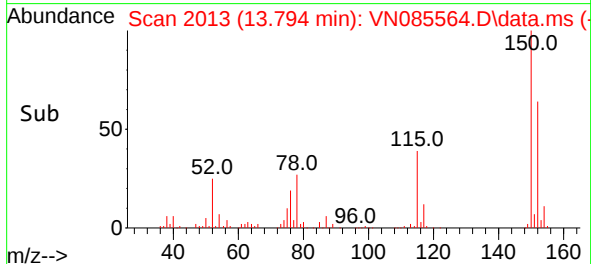
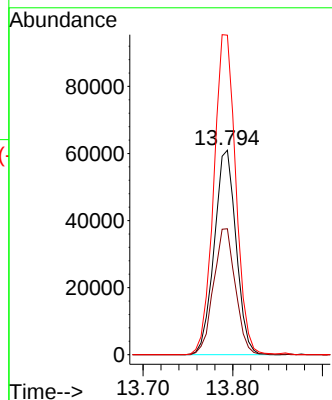
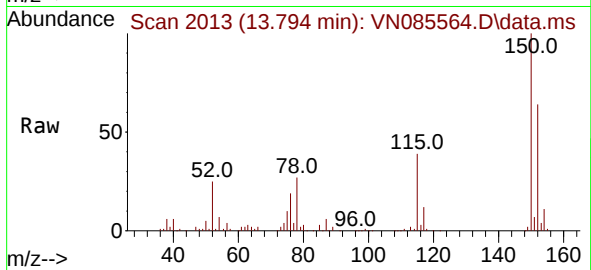




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

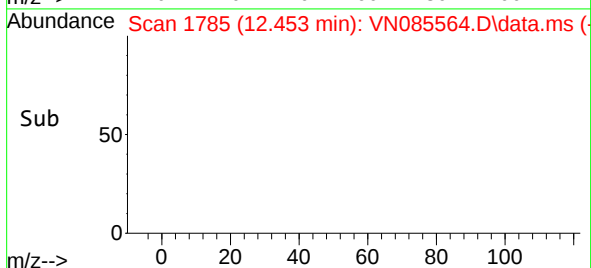
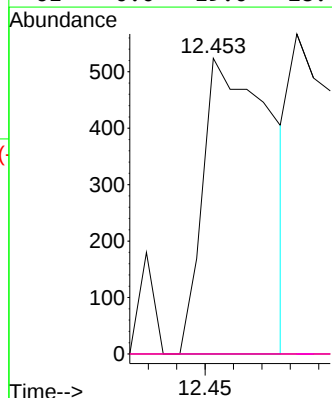
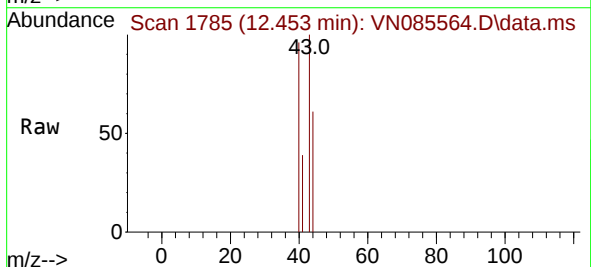
Instrument :
MSVOA_N
ClientSampleId :

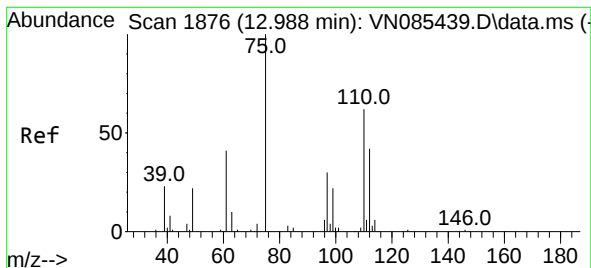
Tgt Ion:152 Resp: 102985
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 157.9 0.0 343.6



#74
N-ethyl acetate
Concen: 0.280 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN085564.D
Acq: 29 Jan 2025 17:53

Tgt Ion: 43 Resp: 876
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: 31.673 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

Instrument :

MSVOA_N

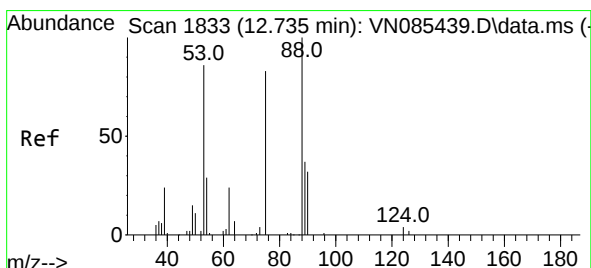
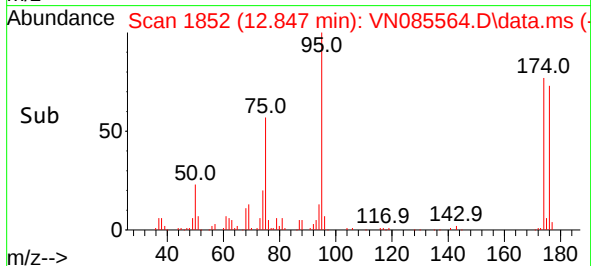
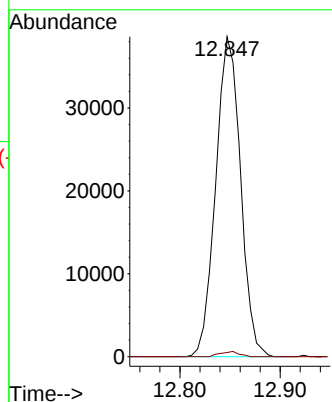
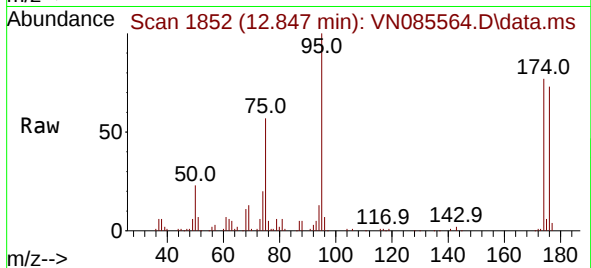
ClientSampleId :

Tgt Ion: 75 Resp: 66298

Ion Ratio Lower Upper

75 100

77 1.2 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.694 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085564.D

Acq: 29 Jan 2025 17:53

Tgt Ion: 75 Resp: 66298

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 37.0 55.6#

