

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085558.D
 Acq On : 29 Jan 2025 15:29
 Operator : JC\MD
 Sample : Q1207-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:36:44 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

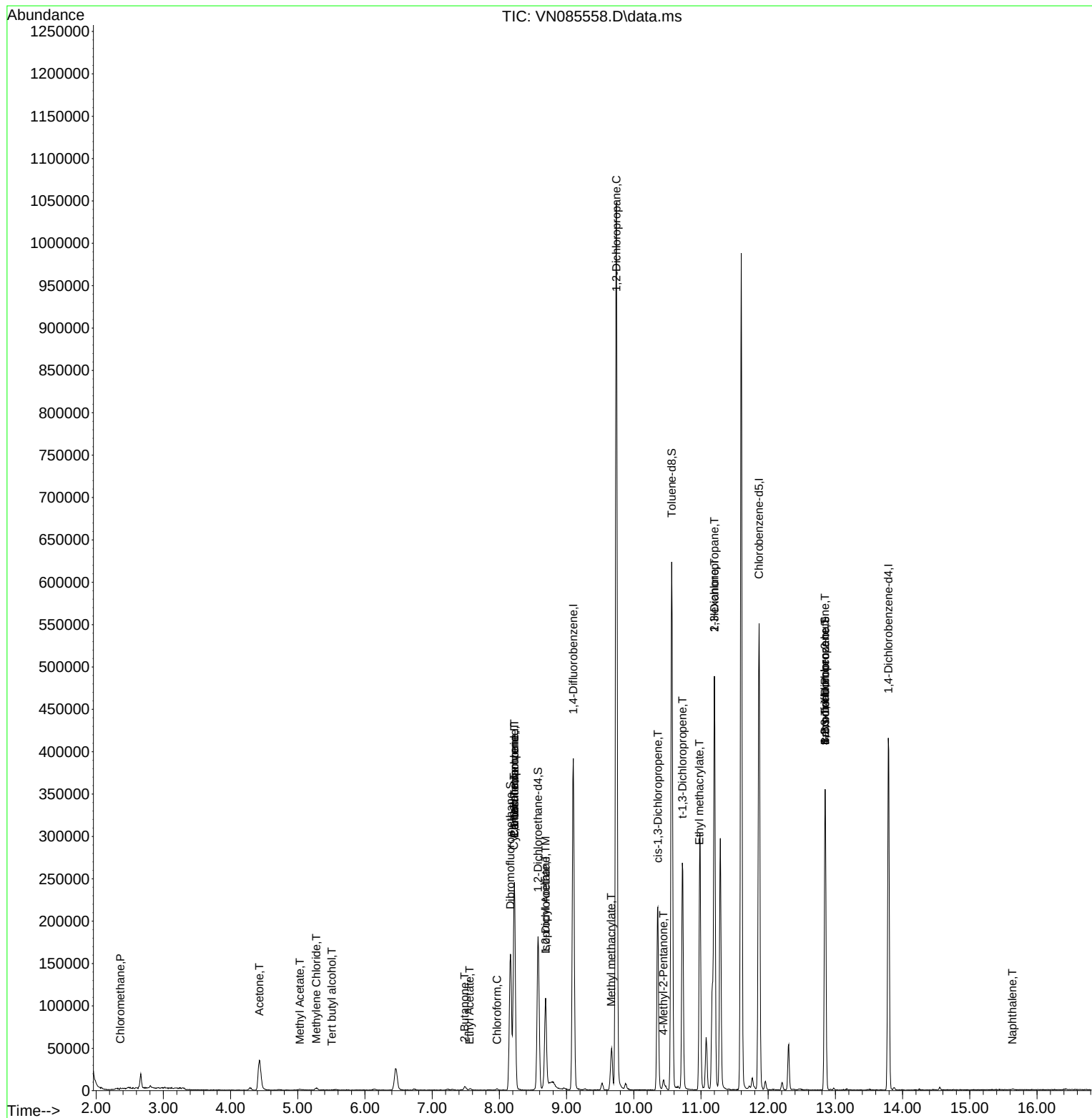
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151380	56.973	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.940%
35) Dibromofluoromethane	8.165	113	114601	52.209	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.420%
50) Toluene-d8	10.565	98	411811	52.804	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.600%
62) 4-Bromofluorobenzene	12.847	95	118183	44.300	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.600%
Target Compounds						Qvalue
3) Chloromethane	2.359	50	516	0.214	ug/l	99
11) Tert butyl alcohol	5.506	59	61	0.200	ug/l #	71
16) Acetone	4.430	43	70236	81.811	ug/l	98
18) Methyl Acetate	5.030	43	2328	0.892	ug/l #	70
20) Methylene Chloride	5.277	84	1634	0.769	ug/l #	93
25) 2-Butanone	7.483	43	7406	5.862	ug/l	97
30) Chloroform	7.965	83	1445	0.360	ug/l #	80
31) Cyclohexane	8.218	56	4696	1.393	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	15279	4.960	ug/l #	50
37) Ethyl Acetate	7.559	43	3450	1.109	ug/l #	78
38) Carbon Tetrachloride	8.224	117	18686	5.298	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	745	0.214	ug/l #	76
43) Isopropyl Acetate	8.688	43	122030	24.492	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1297	0.549	ug/l #	43
48) Methyl methacrylate	9.665	41	3453	1.540	ug/l #	48
51) 4-Methyl-2-Pentanone	10.441	43	12173	4.210	ug/l #	77
53) t-1,3-Dichloropropene	10.723	75	718	0.219	ug/l #	89
54) cis-1,3-Dichloropropene	10.359	75	33964	9.680	ug/l #	73
56) Ethyl methacrylate	10.976	69	1988	2.466	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4887	1.324	ug/l #	43
59) 2-Hexanone	11.200	43	60410	29.694	ug/l #	57
71) Bromoform	12.847	173	941	0.545	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	67912	31.580	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67912	85.442	ug/l #	3
95) Naphthalene	15.635	128	1460	0.307	ug/l #	77

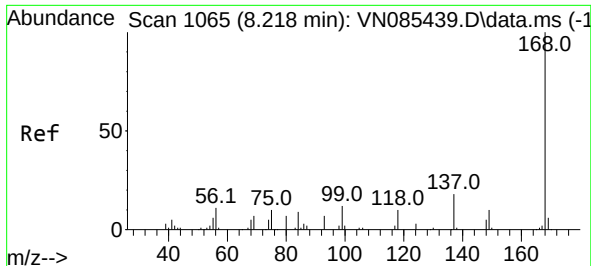
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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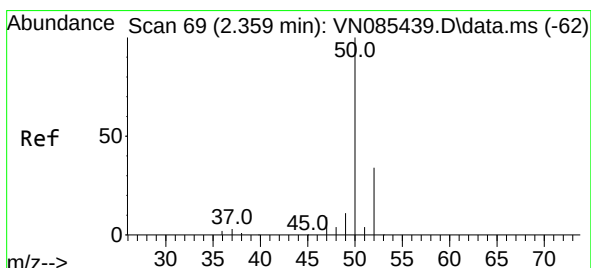
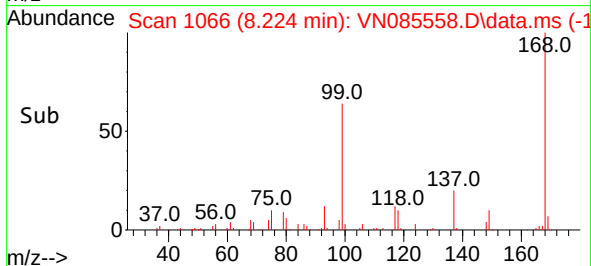
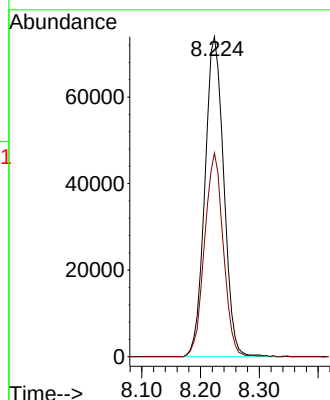
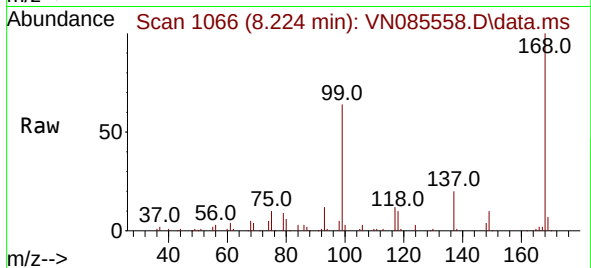




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

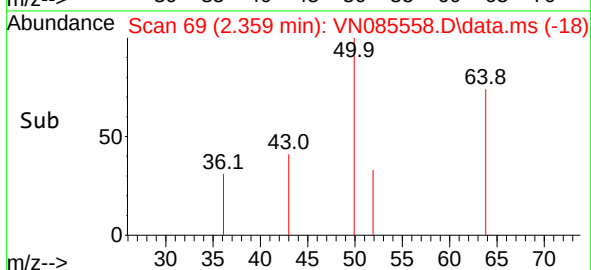
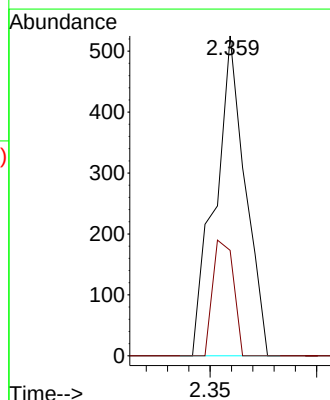
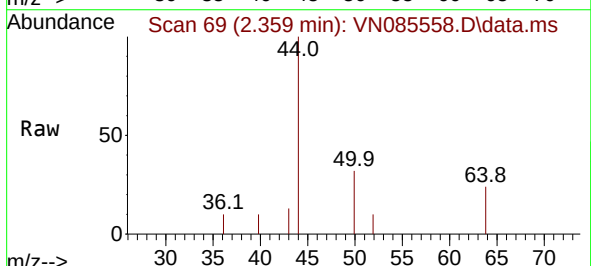
Instrument :
MSVOA_N
ClientSampleId :

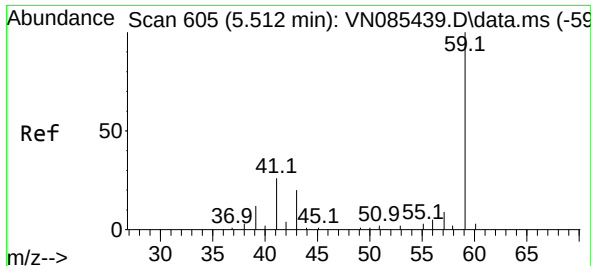
Tgt Ion:168 Resp: 164603
Ion Ratio Lower Upper
168 100
99 63.7 53.6 80.4



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

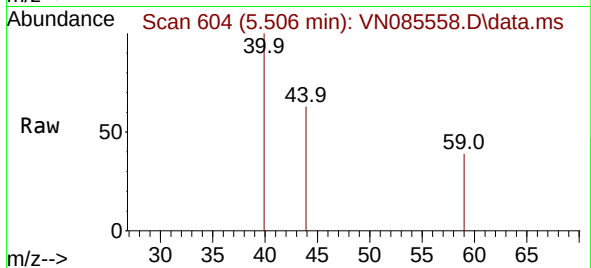
Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 33.0 27.0 40.6



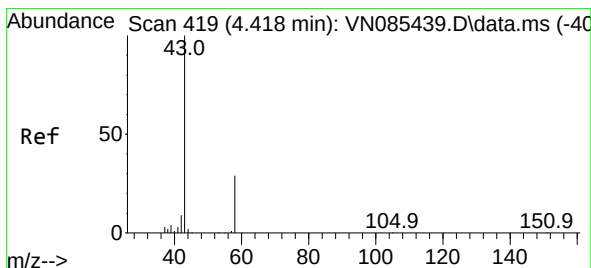
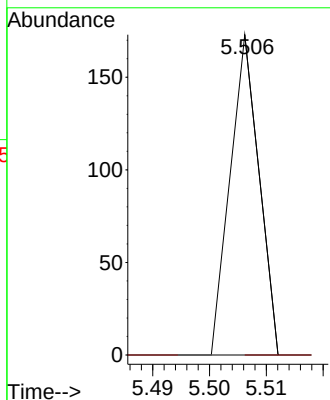
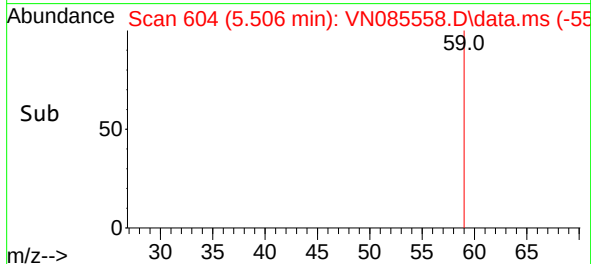


#11
Tert butyl alcohol
Concen: 0.200 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

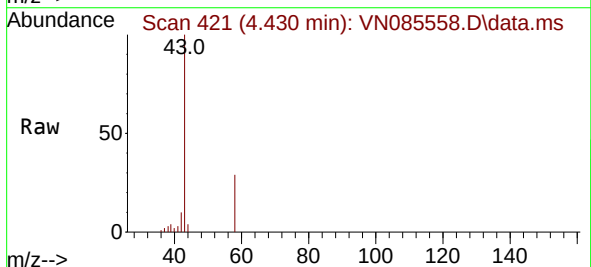
Instrument :
MSVOA_N
ClientSampleId :



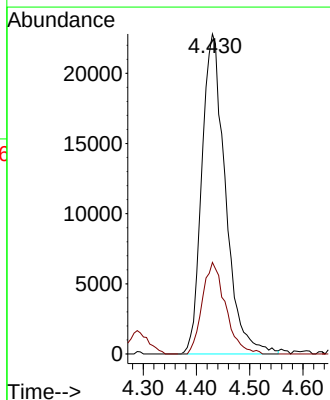
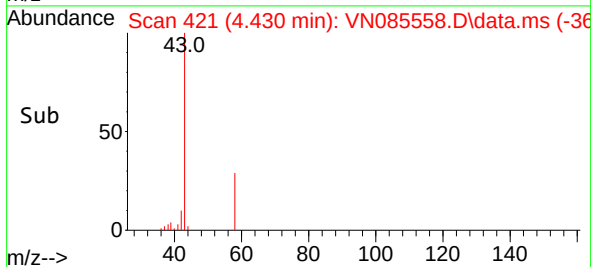
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

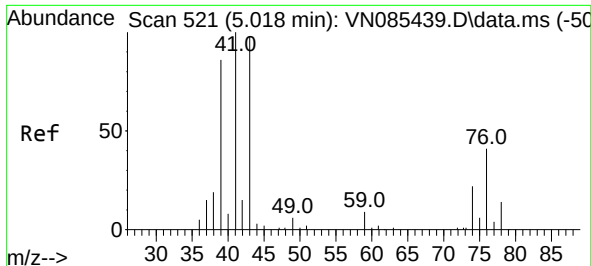


#16
Acetone
Concen: 81.811 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29



Tgt Ion: 43 Resp: 70236
Ion Ratio Lower Upper
43 100
58 28.6 23.8 35.6

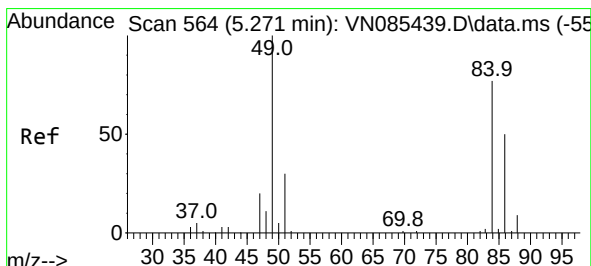
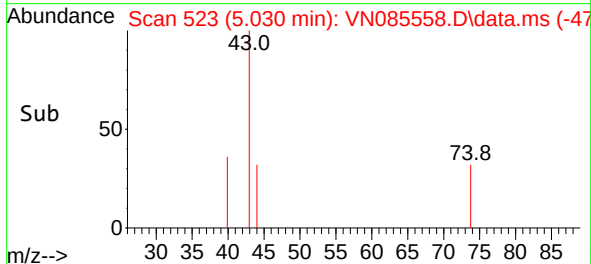
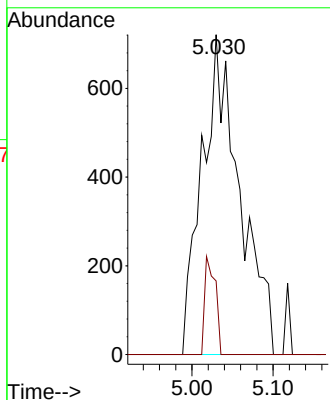
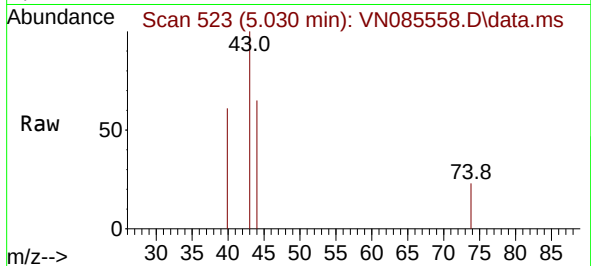




#18
Methyl Acetate
Concen: 0.892 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

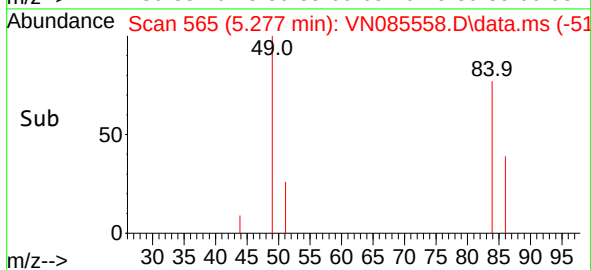
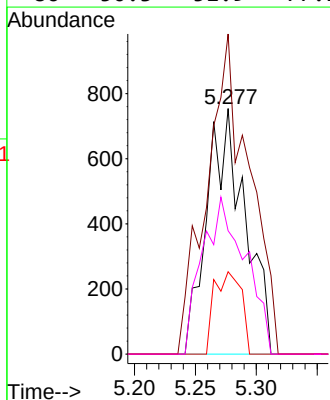
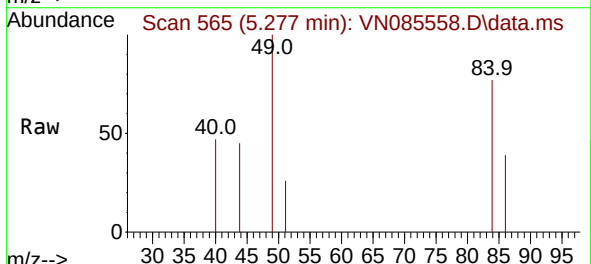
Instrument :
MSVOA_N
ClientSampleId :

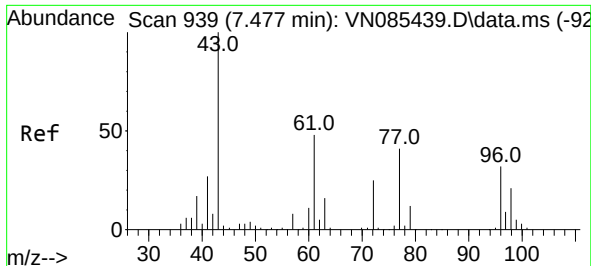
Tgt Ion: 43 Resp: 2328
Ion Ratio Lower Upper
43 100
74 8.5 18.6 28.0#



#20
Methylene Chloride
Concen: 0.769 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Tgt Ion: 84 Resp: 1634
Ion Ratio Lower Upper
84 100
49 130.4 104.1 156.1
51 33.6 31.0 46.4
86 50.3 51.9 77.9#

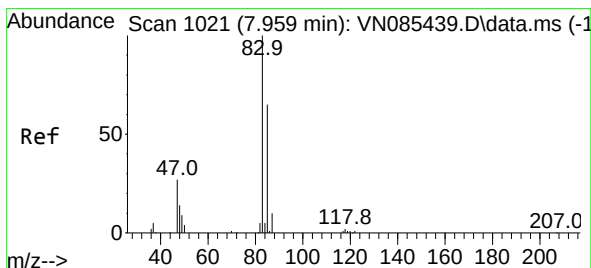
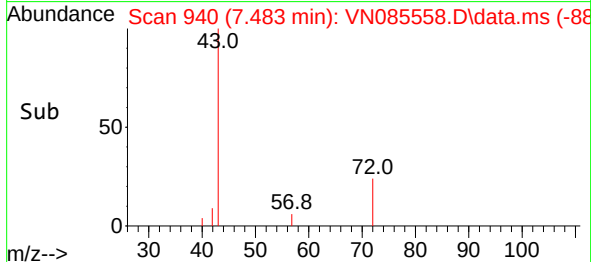
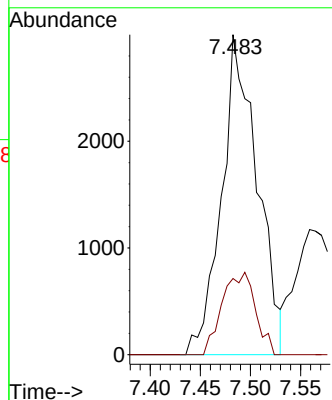
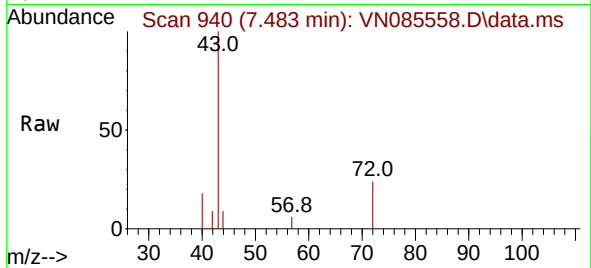




#25
2-Butanone
Concen: 5.862 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

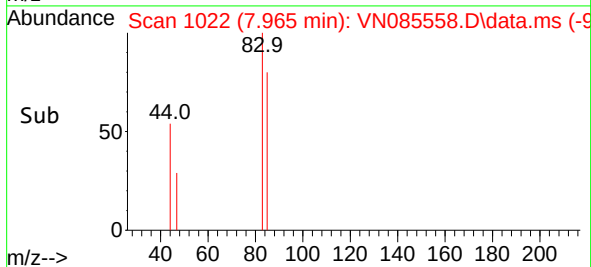
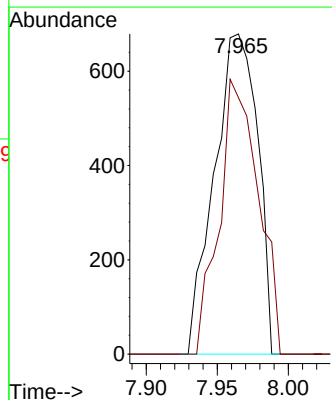
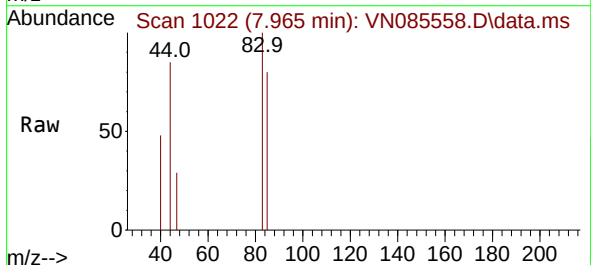
Instrument :
MSVOA_N
ClientSampleId :

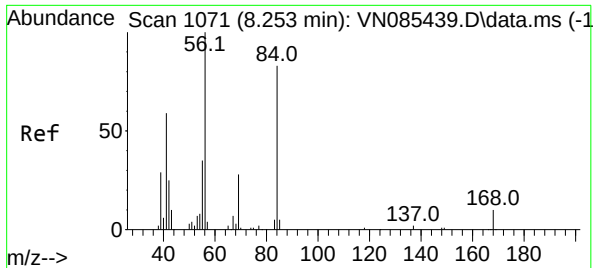
Tgt Ion: 43 Resp: 7406
Ion Ratio Lower Upper
43 100
72 23.8 20.2 30.4



#30
Chloroform
Concen: 0.360 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

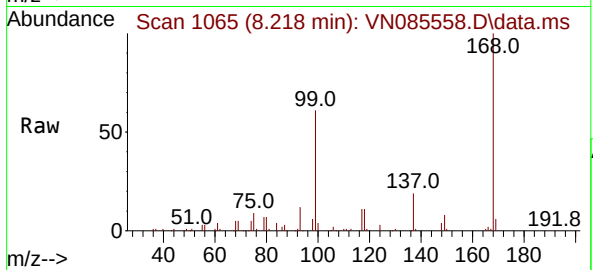
Tgt Ion: 83 Resp: 1445
Ion Ratio Lower Upper
83 100
85 80.1 51.8 77.6#



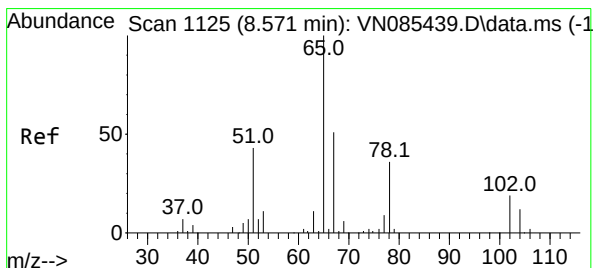
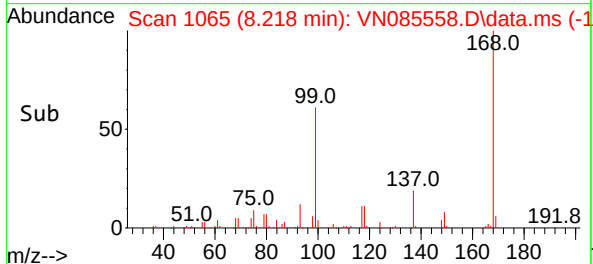
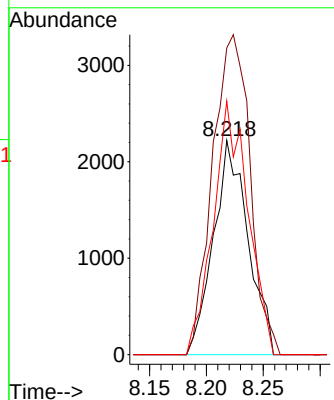


#31
Cyclohexane
Concen: 1.393 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :

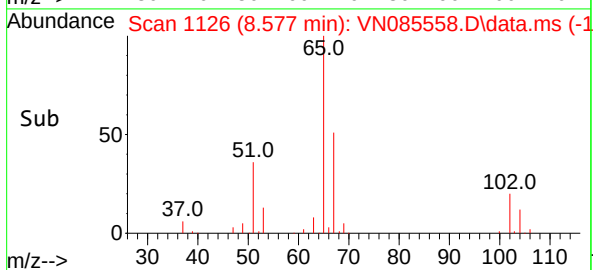
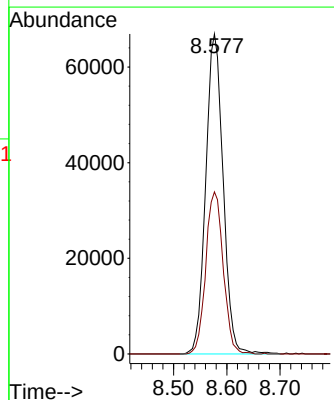
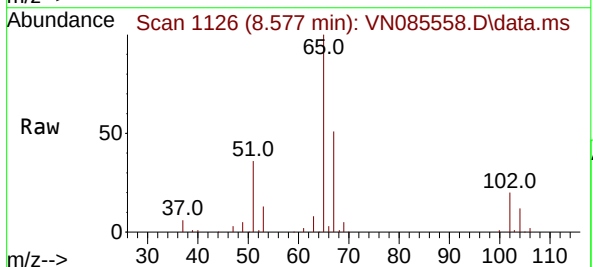


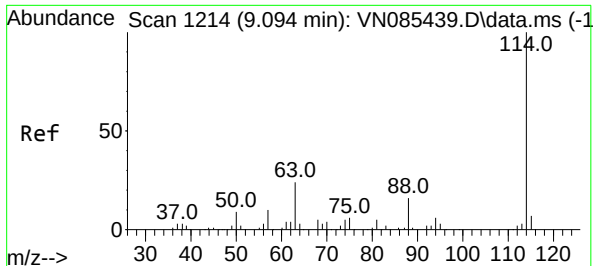
Tgt Ion: 56 Resp: 4696
Ion Ratio Lower Upper
56 100
69 143.2 22.2 33.4#
84 118.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.973 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Tgt Ion: 65 Resp: 151380
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

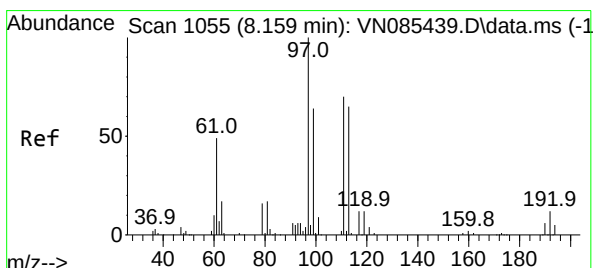
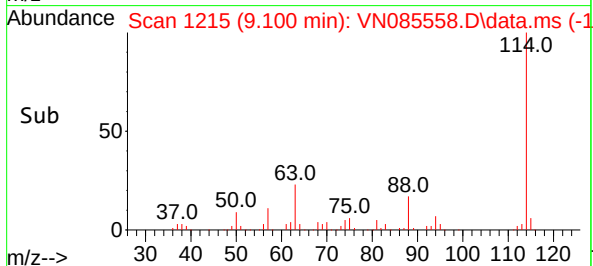
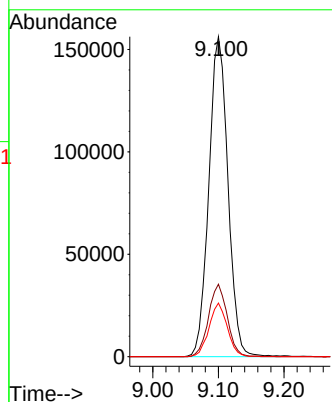
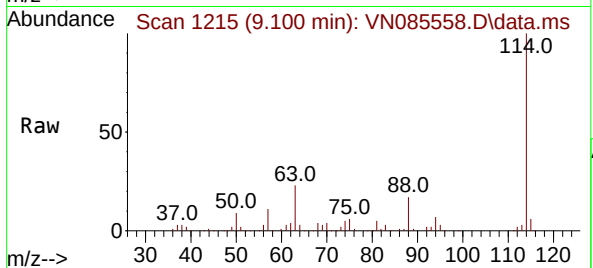
Tgt Ion:114 Resp: 316400

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.209 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

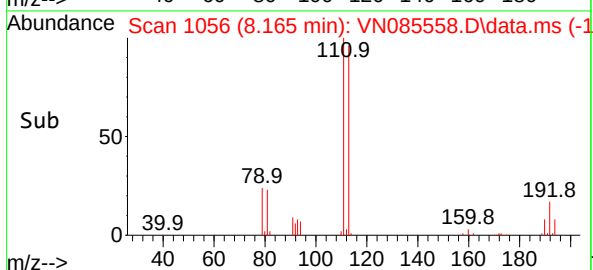
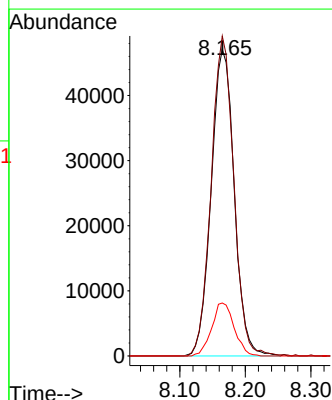
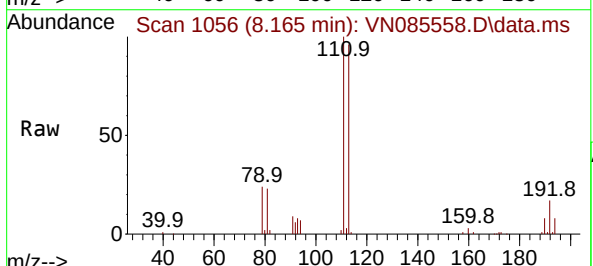
Tgt Ion:113 Resp: 114601

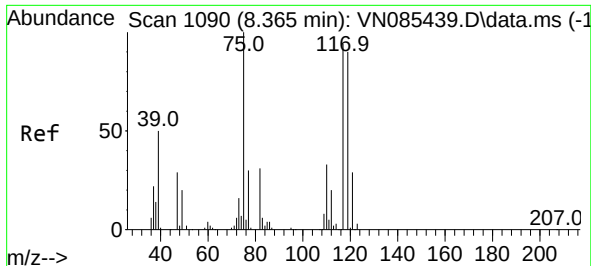
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

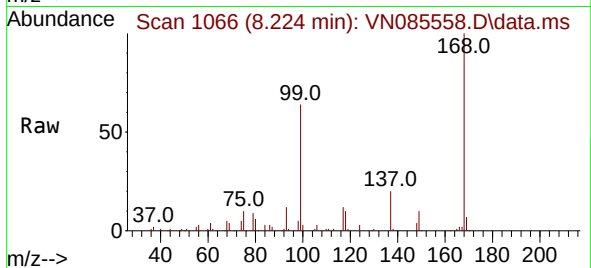
Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

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MSVOA_N

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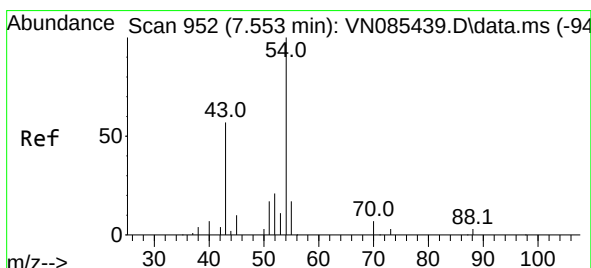
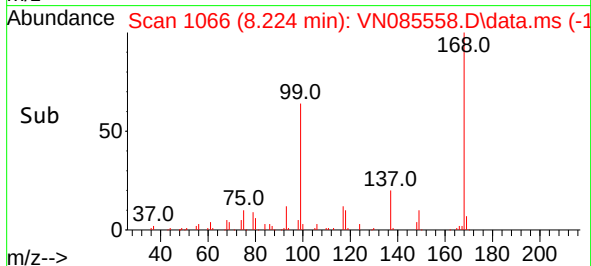
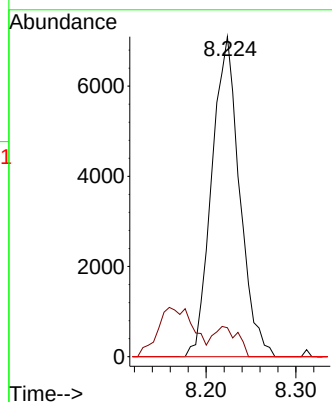
Tgt Ion: 75 Resp: 15279

Ion Ratio Lower Upper

75 100

110 8.3 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.109 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

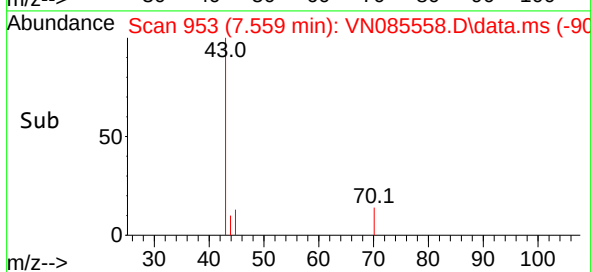
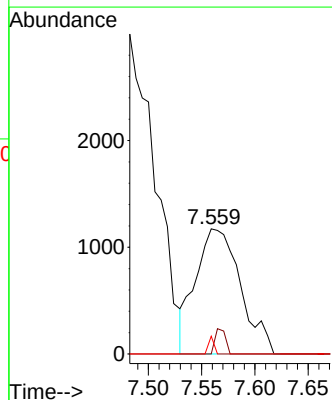
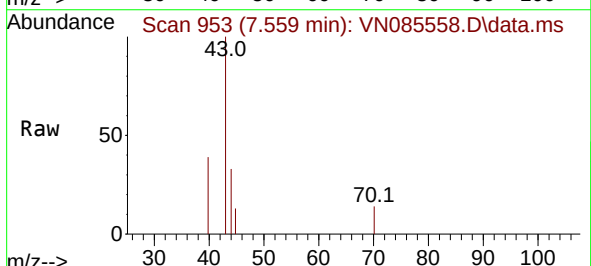
Tgt Ion: 43 Resp: 3450

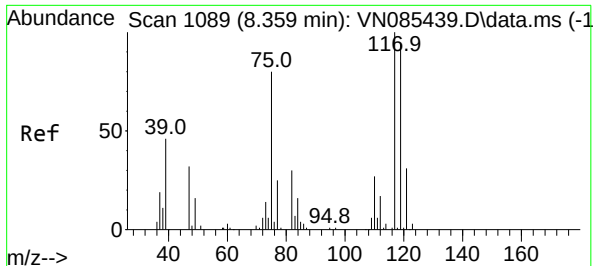
Ion Ratio Lower Upper

43 100

61 4.6 10.9 16.3#

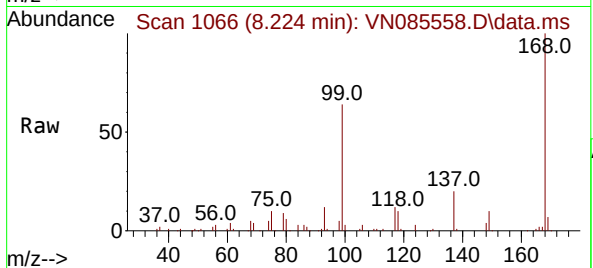
70 1.7 7.5 11.3#



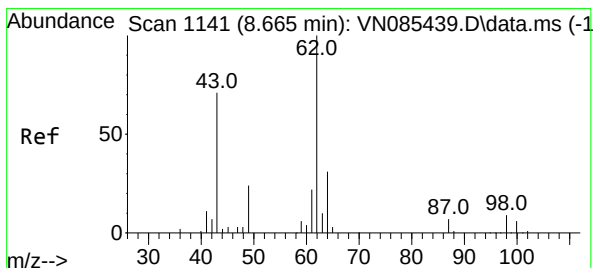
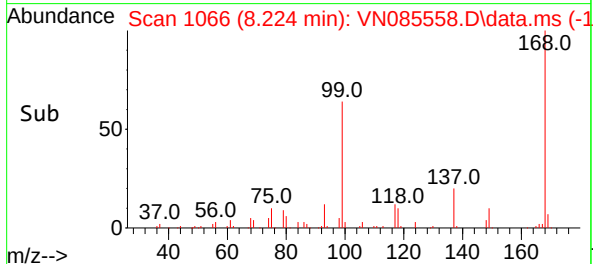
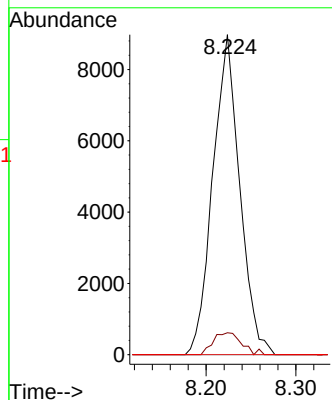


#38
Carbon Tetrachloride
Concen: 5.298 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :

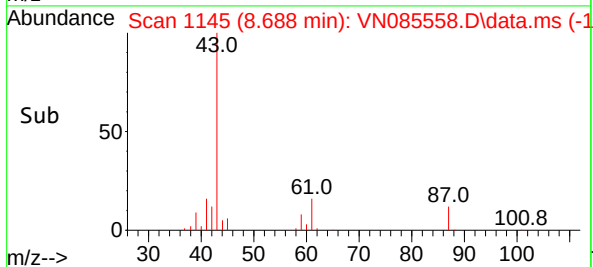
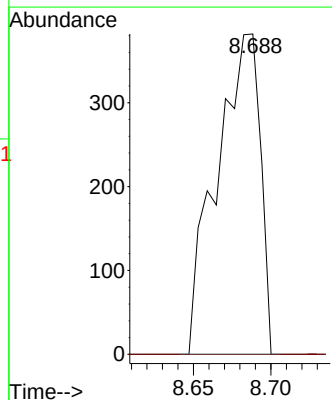
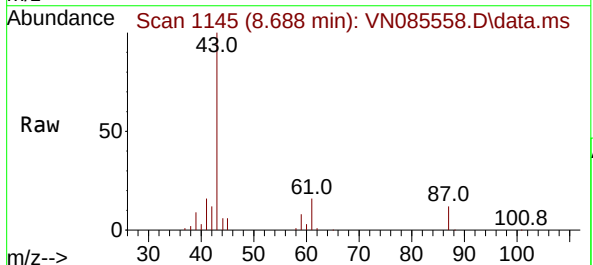


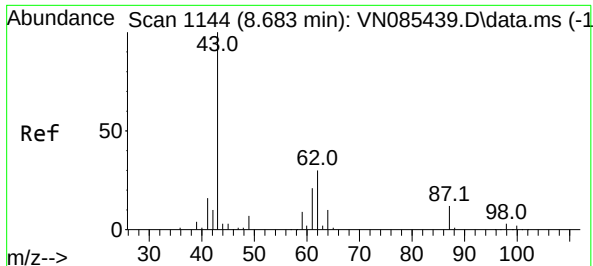
Tgt Ion:117 Resp: 18686
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.023 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Tgt Ion: 62 Resp: 745
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

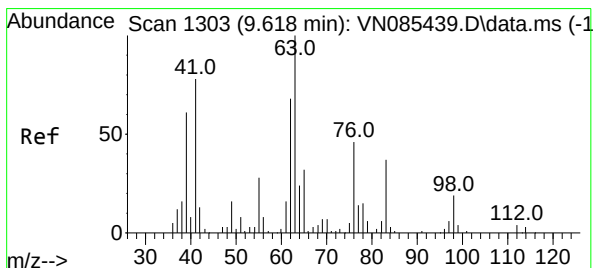
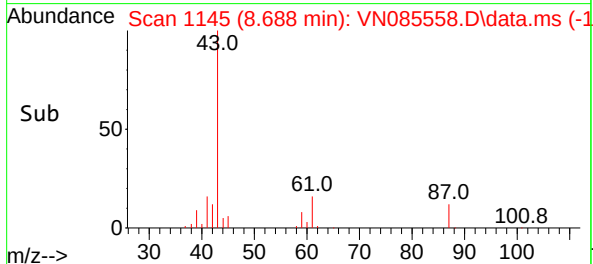
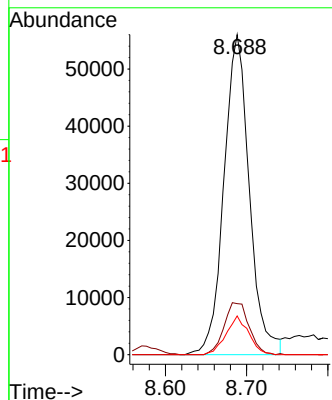
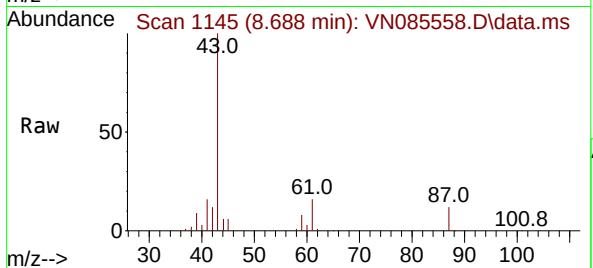




#43
Isopropyl Acetate
Concen: 24.492 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

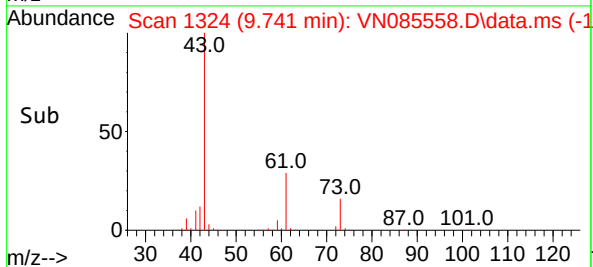
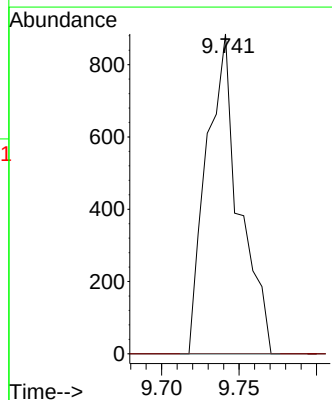
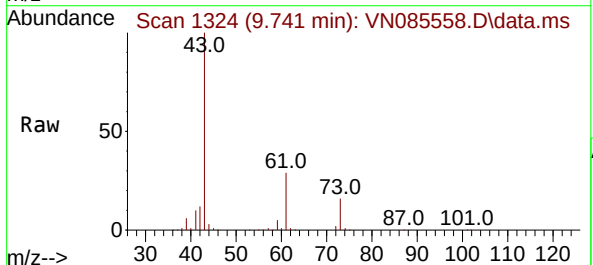
Instrument :
MSVOA_N
ClientSampleId :

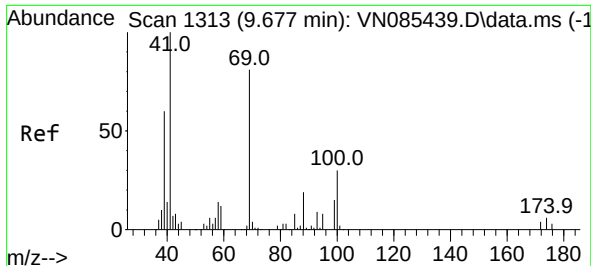
Tgt Ion: 43 Resp: 122030
Ion Ratio Lower Upper
43 100
61 16.0 20.7 31.1#
87 10.7 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.549 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

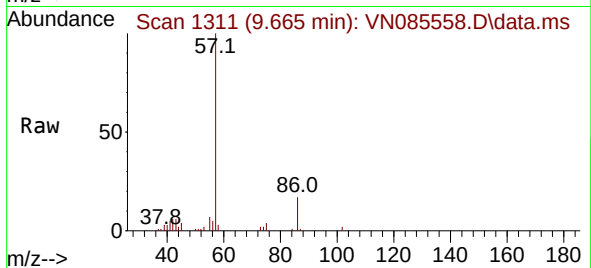
Tgt Ion: 63 Resp: 1297
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



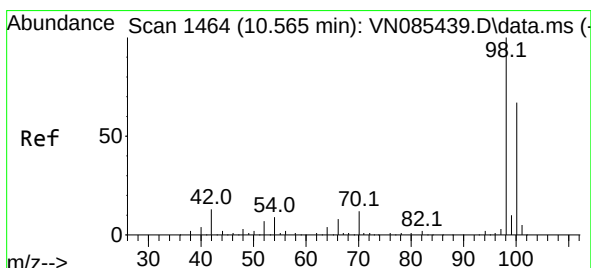
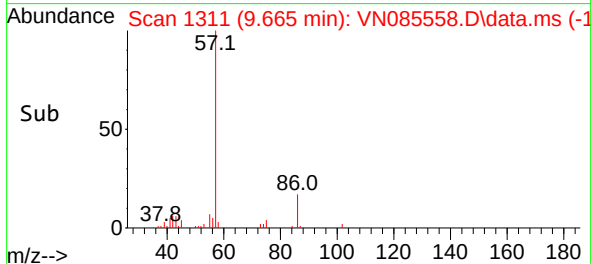
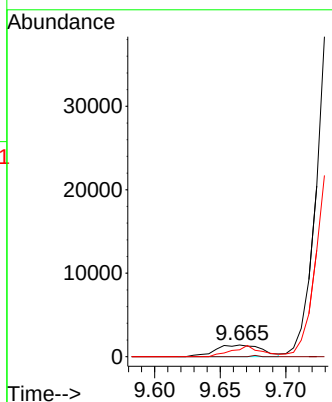


#48
Methyl methacrylate
Concen: 1.540 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :

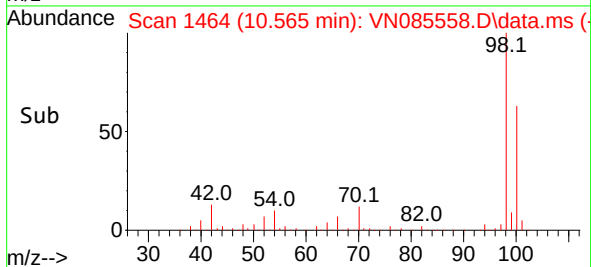
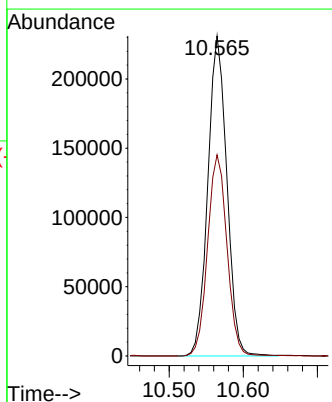
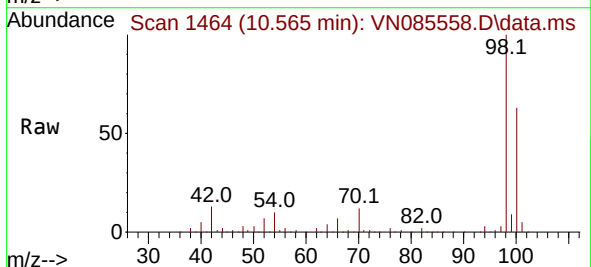


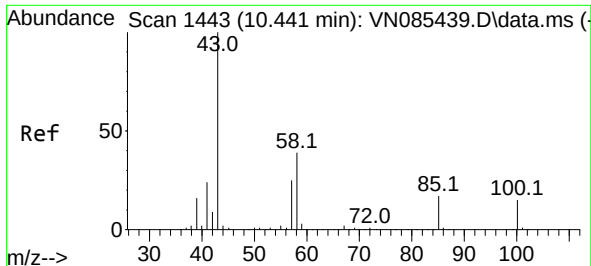
Tgt Ion: 41 Resp: 3453
Ion Ratio Lower Upper
41 100
69 1.6 64.7 97.1#
39 59.1 49.0 73.6



#50
Toluene-d8
Concen: 52.804 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Tgt Ion: 98 Resp: 411811
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

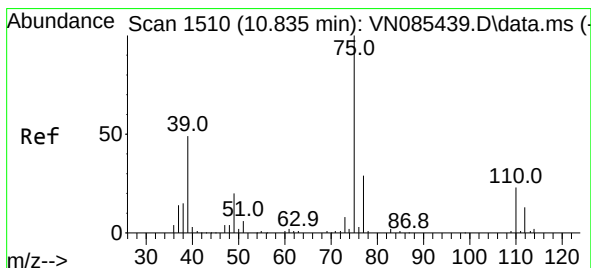
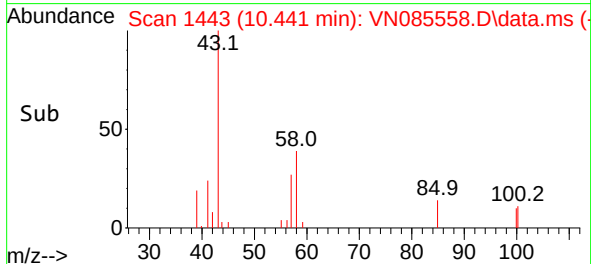
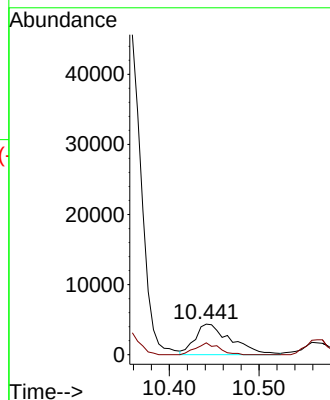
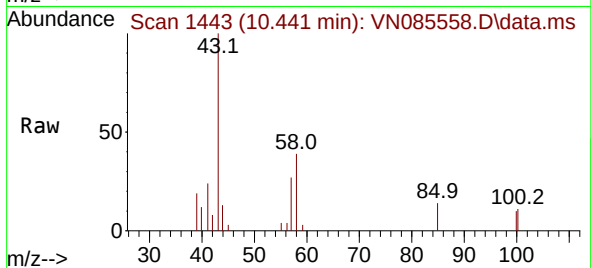




#51
4-Methyl-2-Pentanone
Concen: 4.210 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

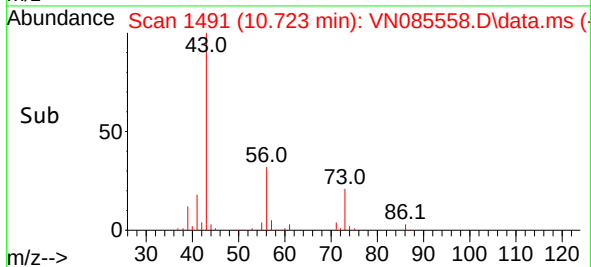
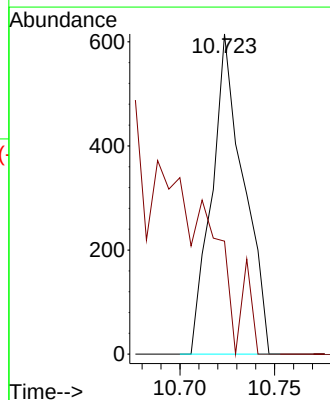
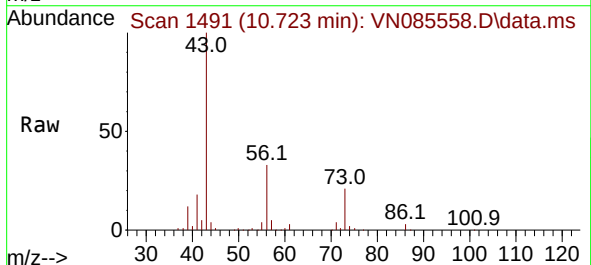
Instrument :
MSVOA_N
ClientSampleId :

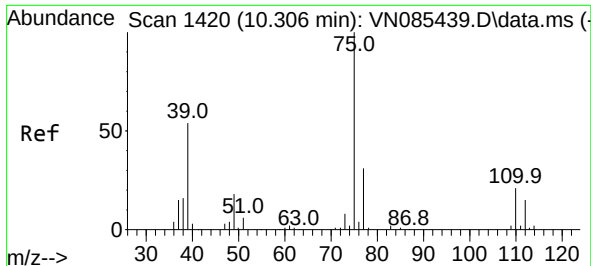
Tgt Ion: 43 Resp: 12173
Ion Ratio Lower Upper
43 100
58 24.5 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.219 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Tgt Ion: 75 Resp: 718
Ion Ratio Lower Upper
75 100
77 35.3 23.5 35.3#

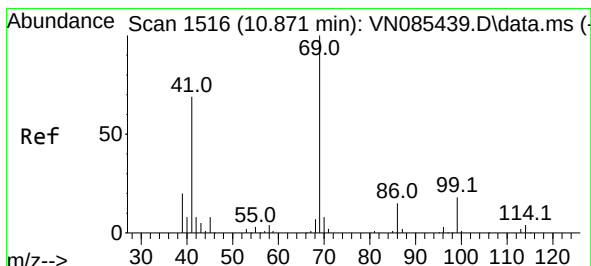
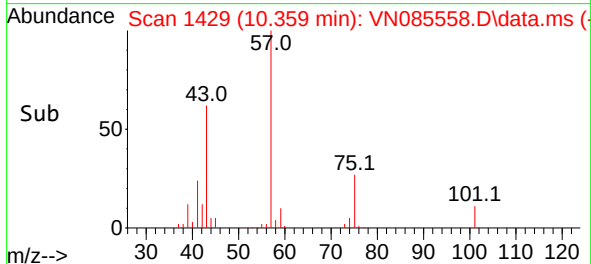
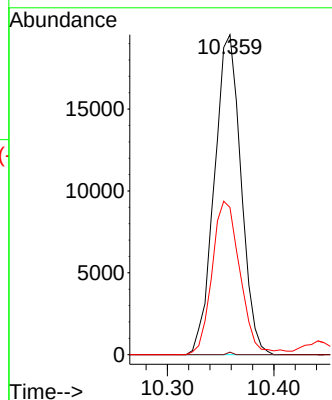
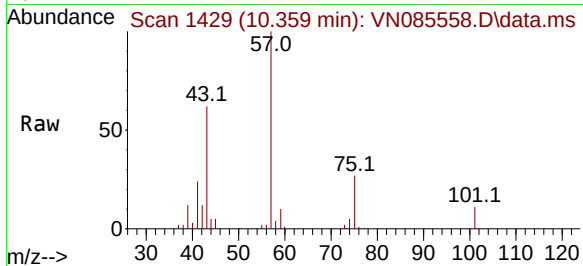




#54
cis-1,3-Dichloropropene
Concen: 9.680 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

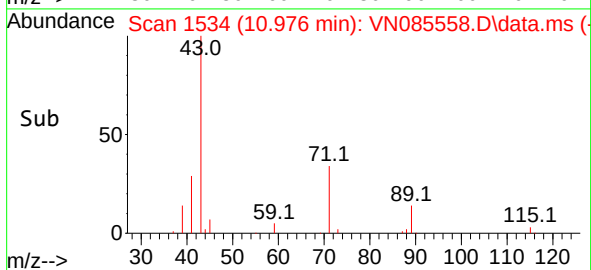
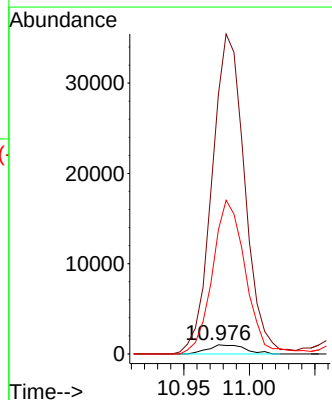
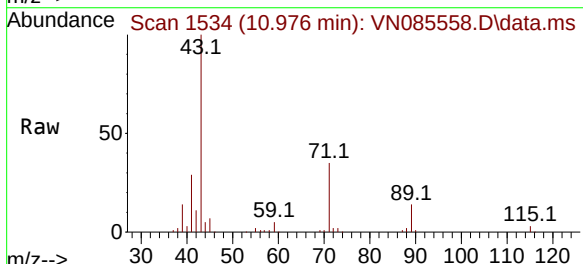
Instrument :
MSVOA_N
ClientSampleId :

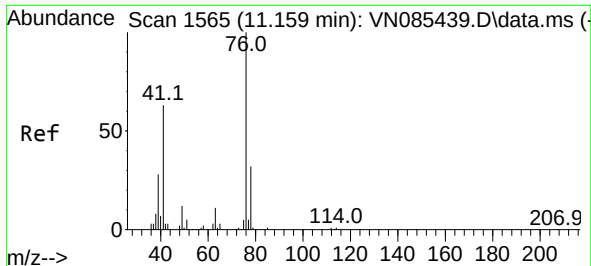
Tgt Ion: 75 Resp: 33964
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 46.0 43.1 64.7



#56
Ethyl methacrylate
Concen: 2.466 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Tgt Ion: 69 Resp: 1988
Ion Ratio Lower Upper
69 100
41 3093.1 54.6 82.0#
39 1506.7 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.324 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

Instrument :

MSVOA_N

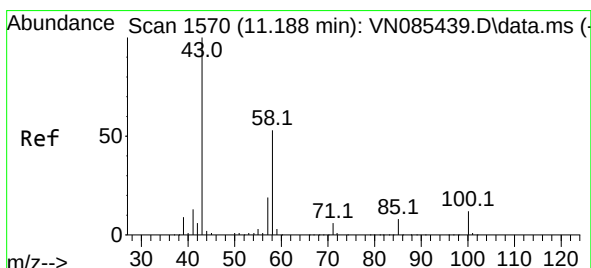
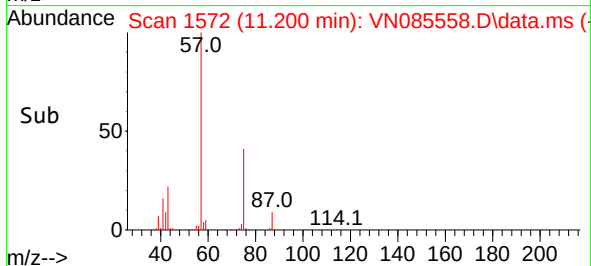
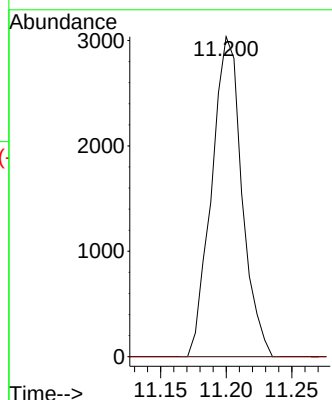
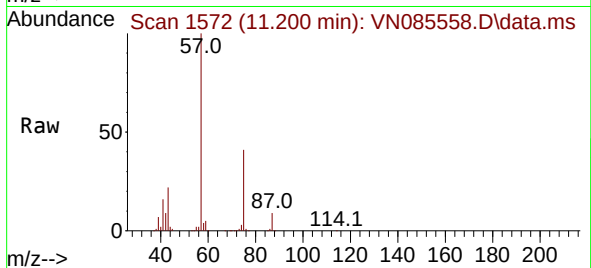
ClientSampleId :

Tgt Ion: 76 Resp: 4887

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 29.694 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085558.D

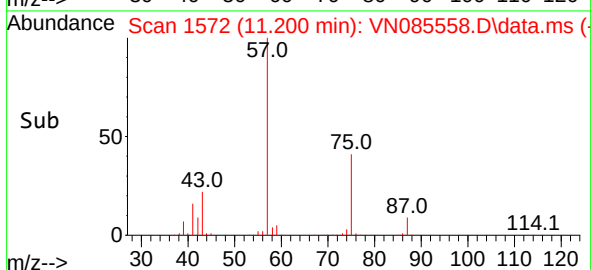
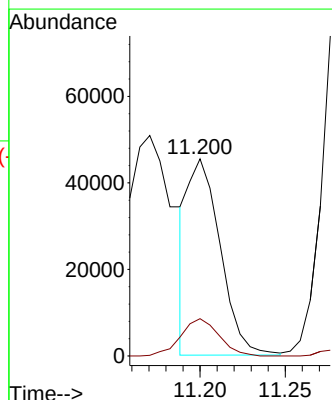
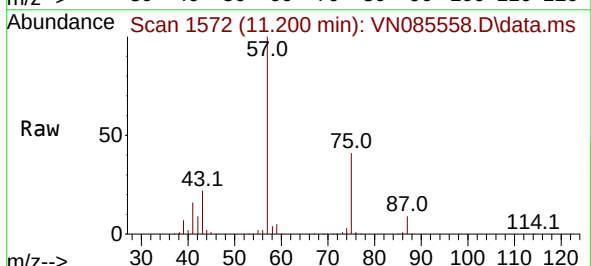
Acq: 29 Jan 2025 15:29

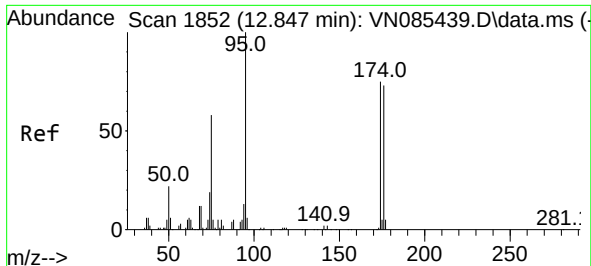
Tgt Ion: 43 Resp: 60410

Ion Ratio Lower Upper

43 100

58 22.3 26.2 78.6#

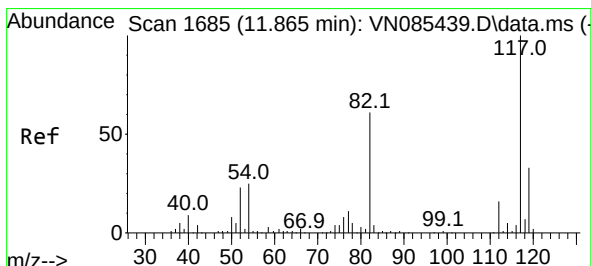
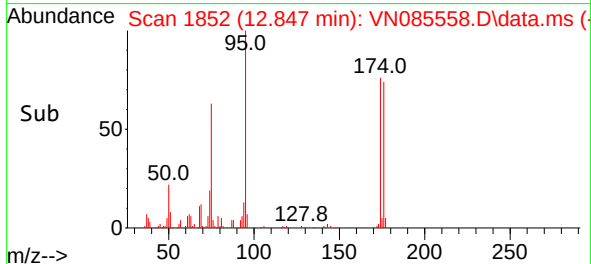
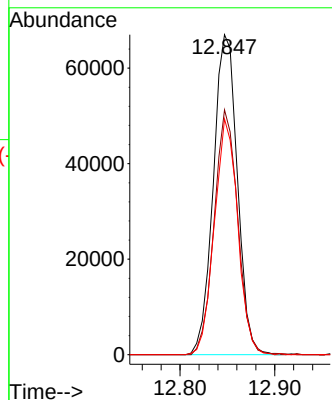
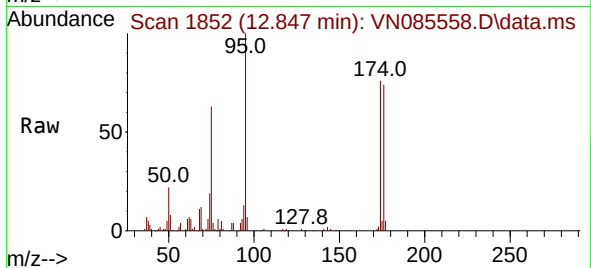




#62
4-Bromofluorobenzene
Concen: 44.300 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

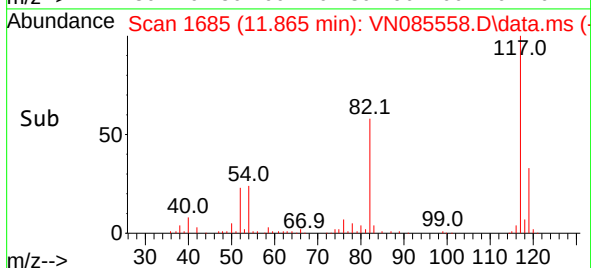
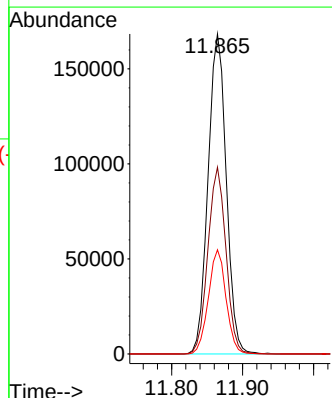
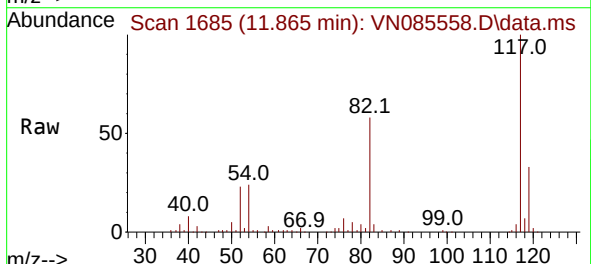
Instrument :
MSVOA_N
ClientSampleId :

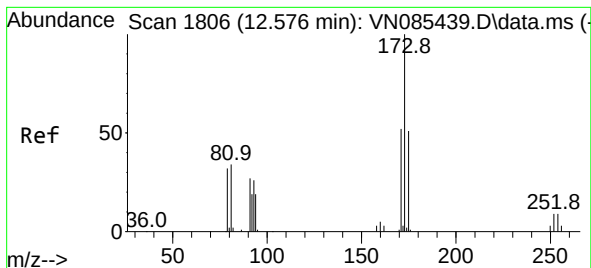
Tgt Ion: 95 Resp: 118183
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.0
176 71.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Tgt Ion: 117 Resp: 299930
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 32.5 26.6 39.8





#71

Bromoform

Concen: 0.545 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

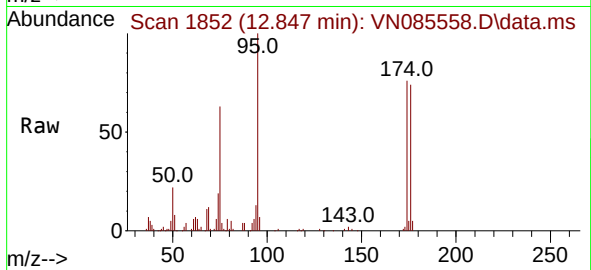
Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

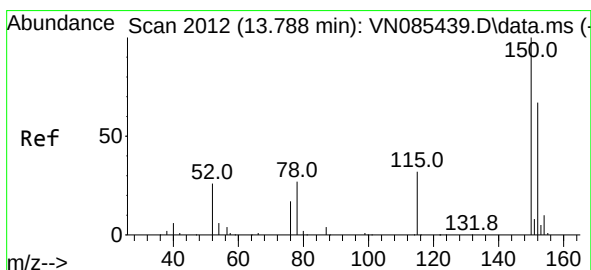
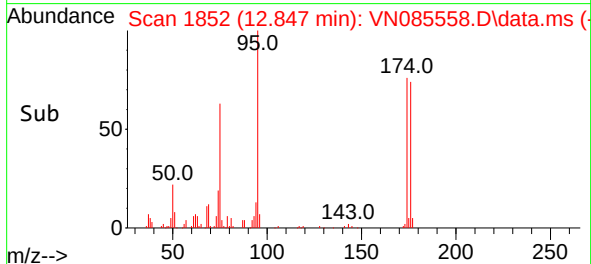
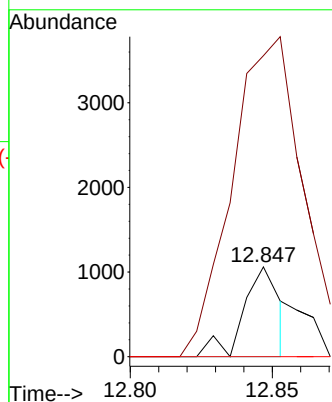
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	941
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.4	73.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

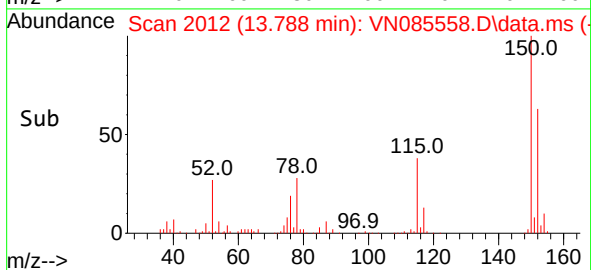
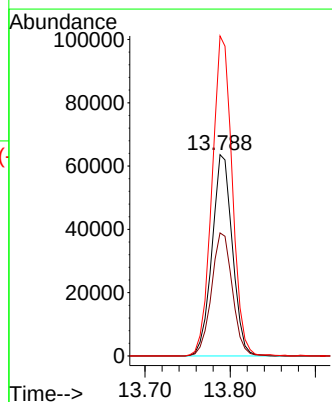
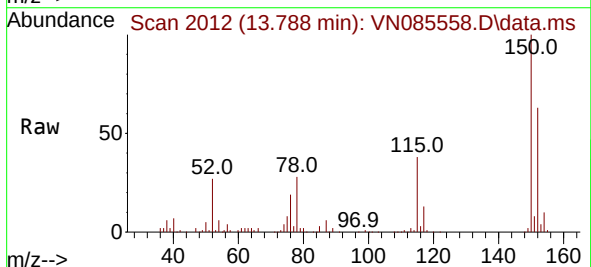
RT: 13.788 min Scan# 1212

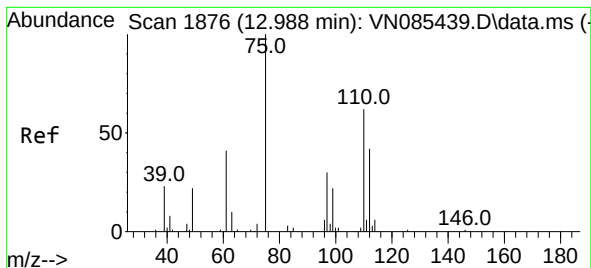
Delta R.T. -0.000 min

Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

Tgt Ion:	152	Resp:	105803
Ion Ratio	Lower	Upper	
152	100		
115	62.6	31.1	93.3
150	158.1	0.0	343.6





#76

1,2,3-Trichloropropane

Concen: 31.580 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

Instrument :

MSVOA_N

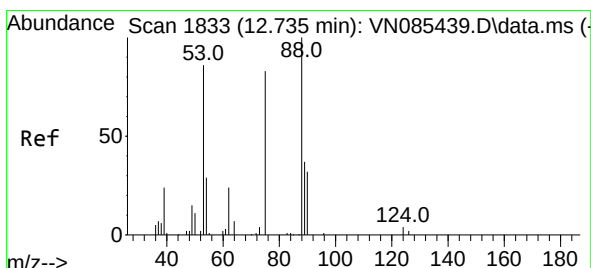
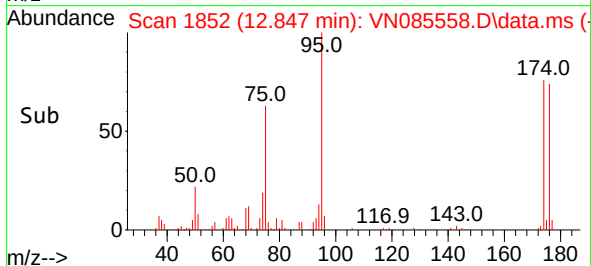
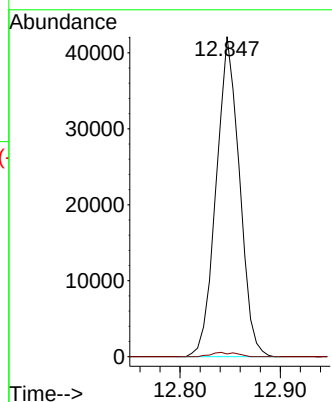
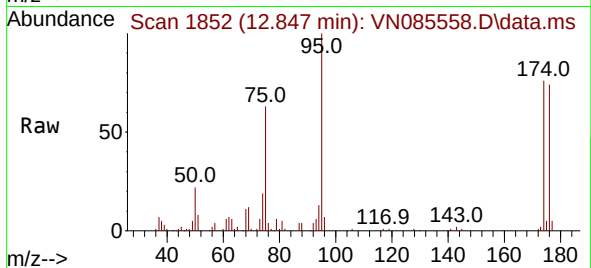
ClientSampleId :

Tgt Ion: 75 Resp: 67912

Ion Ratio Lower Upper

75 100

77 1.4 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.442 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085558.D

Acq: 29 Jan 2025 15:29

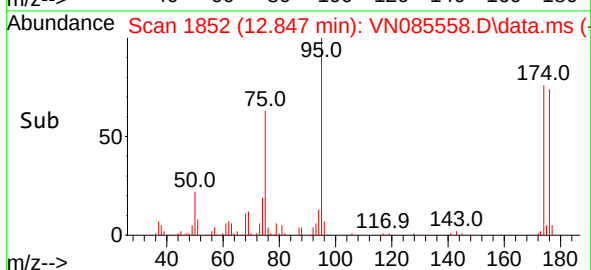
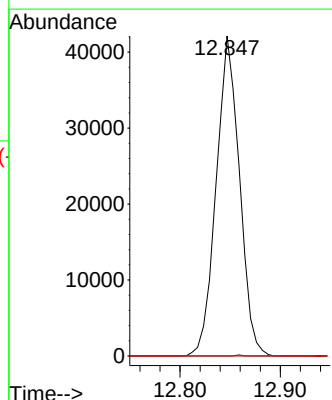
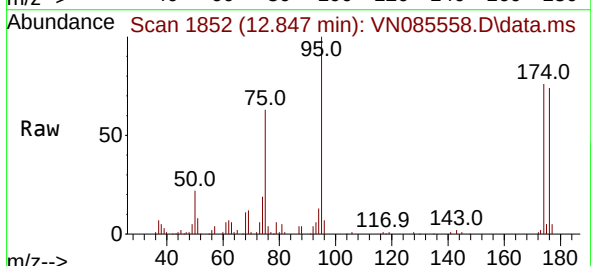
Tgt Ion: 75 Resp: 67912

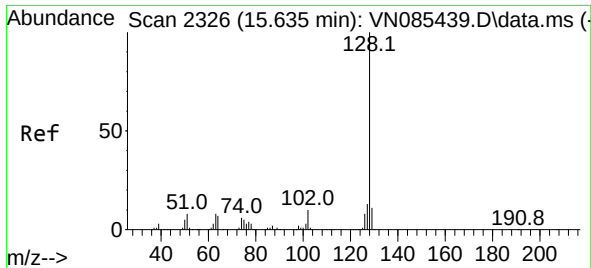
Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

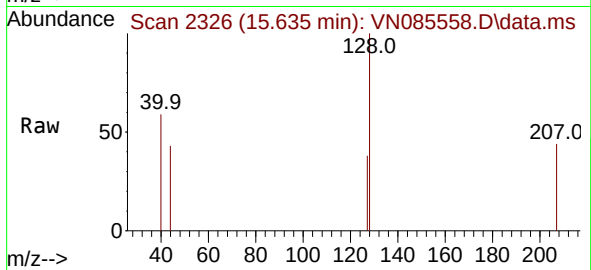
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.307 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085558.D
Acq: 29 Jan 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1460
Ion Ratio Lower Upper
128 100
127 6.2 10.6 16.0#
129 0.0 8.8 13.2#

