

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085935.D
 Acq On : 11 Mar 2025 16:40
 Operator : JC\MD
 Sample : PB167050ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 01:24:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

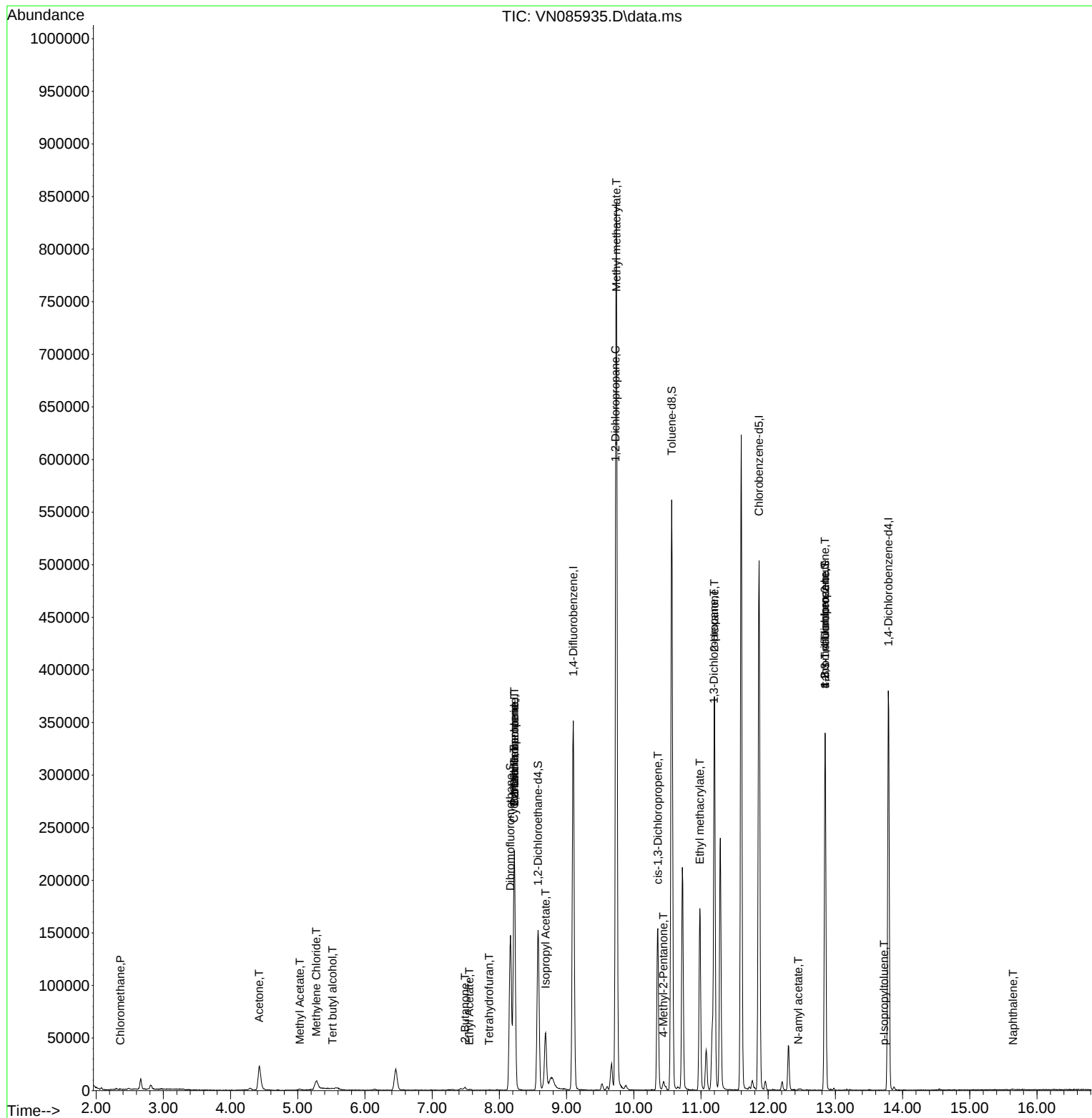
Internal Standards						
1) Pentafluorobenzene	8.224	168	159310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	124994	60.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.040%			
35) Dibromofluoromethane	8.165	113	107430	54.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.420%			
50) Toluene-d8	10.565	98	398030	55.715	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.420%			
62) 4-Bromofluorobenzene	12.847	95	118440	50.319	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.640%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	440	0.202	ug/l #	41
11) Tert butyl alcohol	5.518	59	814	3.204	ug/l #	72
16) Acetone	4.424	43	41991	64.253	ug/l	96
18) Methyl Acetate	5.030	43	1875	0.834	ug/l #	56
20) Methylene Chloride	5.277	84	6562	3.122	ug/l #	82
25) 2-Butanone	7.488	43	4827	5.020	ug/l	92
29) Tetrahydrofuran	7.847	42	333	0.536	ug/l #	43
31) Cyclohexane	8.218	56	3552	1.204	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13404	4.823	ug/l #	51
37) Ethyl Acetate	7.553	43	1444	0.631	ug/l #	72
38) Carbon Tetrachloride	8.224	117	16958	5.136	ug/l #	18
43) Isopropyl Acetate	8.688	43	61173	14.858	ug/l #	87
45) 1,2-Dichloropropane	9.729	63	997	0.464	ug/l #	43
48) Methyl methacrylate	9.741	41	72032	42.411	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	8549	3.877	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	28570	8.684	ug/l #	66
56) Ethyl methacrylate	10.982	69	1543	1.036	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3897	1.125	ug/l #	42
59) 2-Hexanone	11.200	43	49146	32.400	ug/l #	51
74) N-amyl acetate	12.447	43	1410	0.549	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	59882	25.351	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59882	73.969	ug/l #	13
86) p-Isopropyltoluene	13.723	119	68	0.636	ug/l #	50
95) Naphthalene	15.647	128	1034	0.223	ug/l #	69

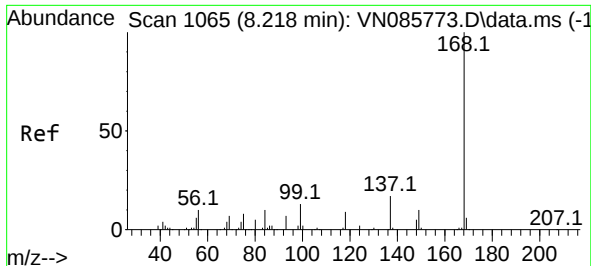
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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Quant Time: Mar 12 01:24:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

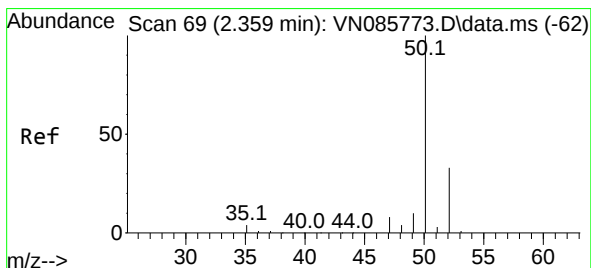
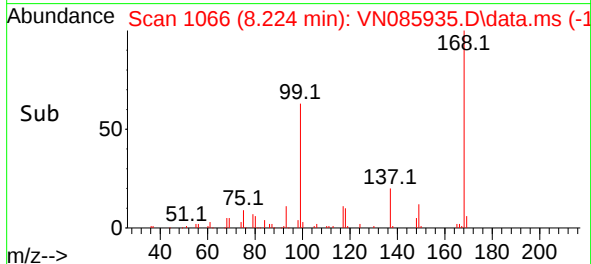
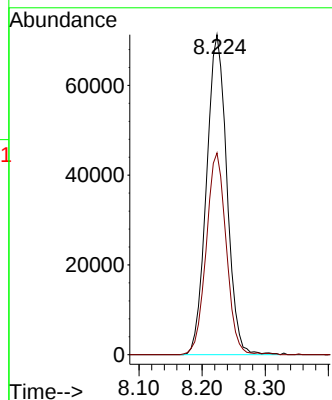
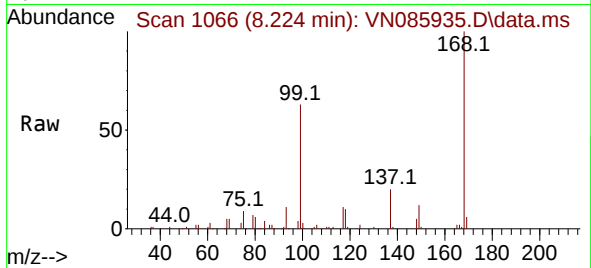




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

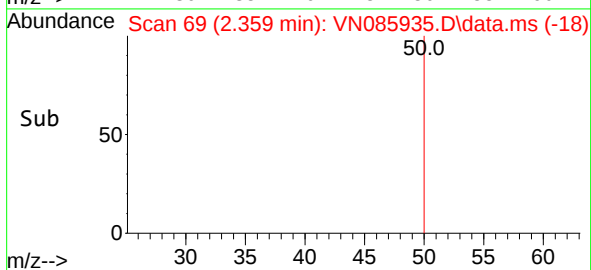
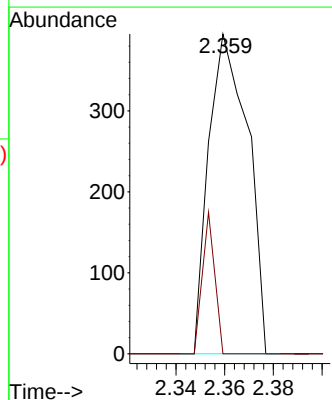
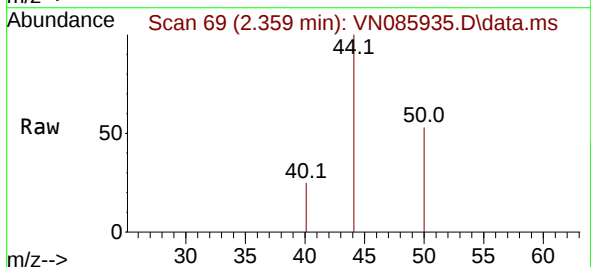
Instrument :
MSVOA_N
ClientSampleId :

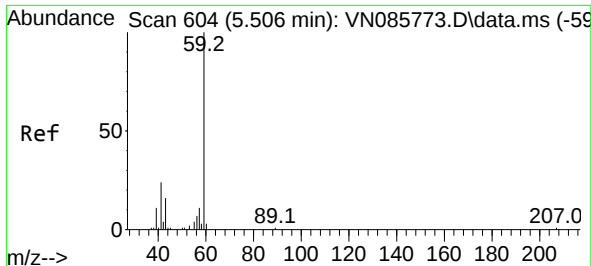
Tgt Ion:168 Resp: 159310
Ion Ratio Lower Upper
168 100
99 63.1 47.9 71.9



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Tgt Ion: 50 Resp: 440
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

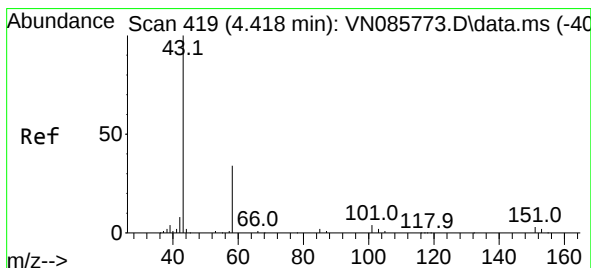
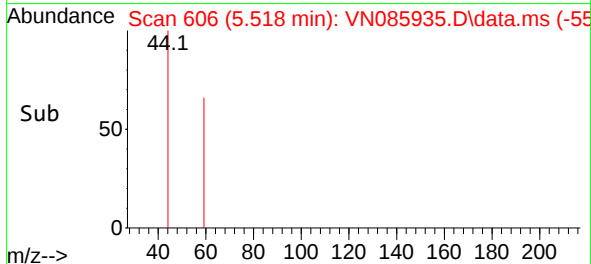
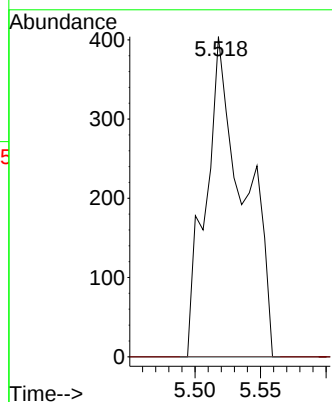
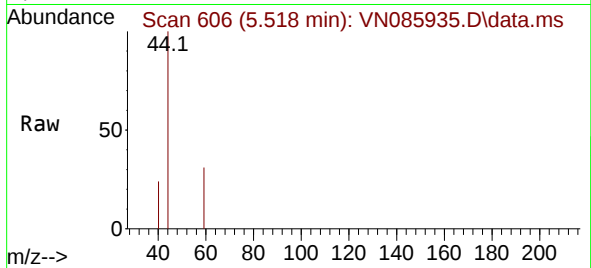




#11
Tert butyl alcohol
Concen: 3.204 ug/l
RT: 5.518 min Scan# 604
Delta R.T. 0.012 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

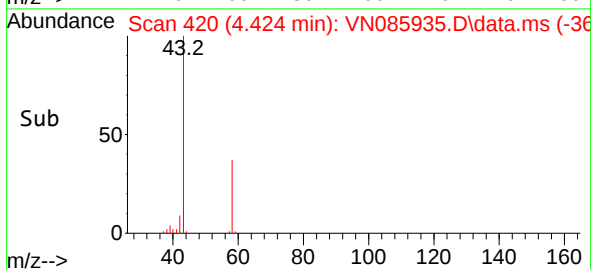
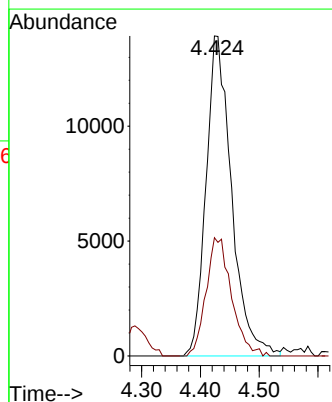
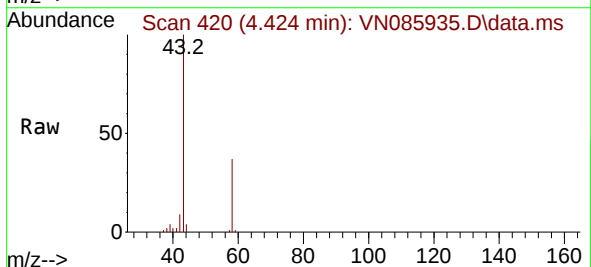
Instrument :
MSVOA_N
ClientSampleId :

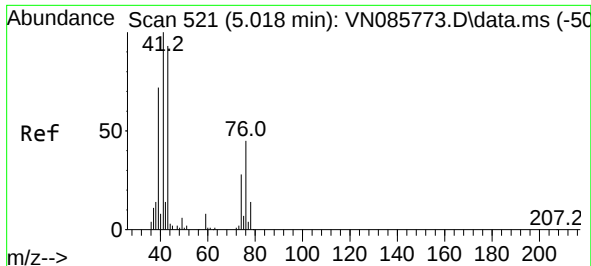
Tgt Ion: 59 Resp: 814
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 64.253 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

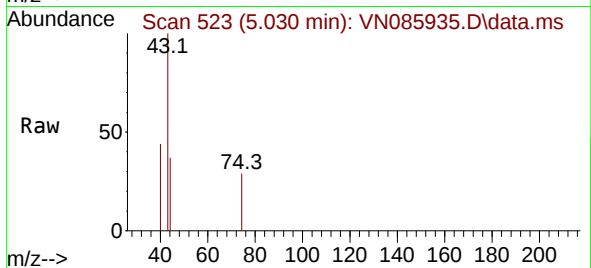
Tgt Ion: 43 Resp: 41991
Ion Ratio Lower Upper
43 100
58 37.0 27.5 41.3



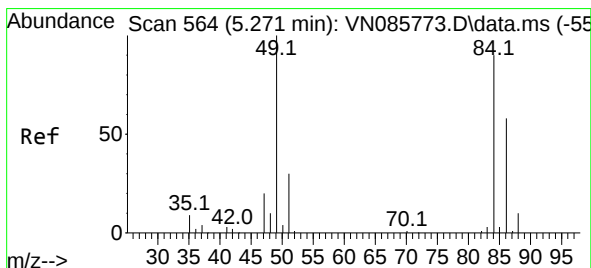
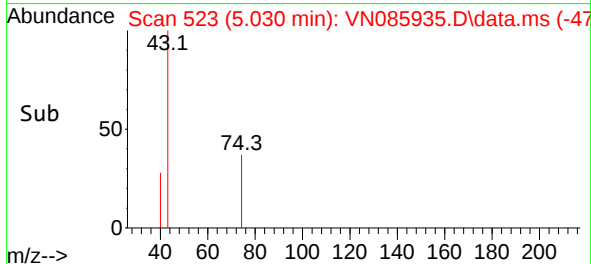
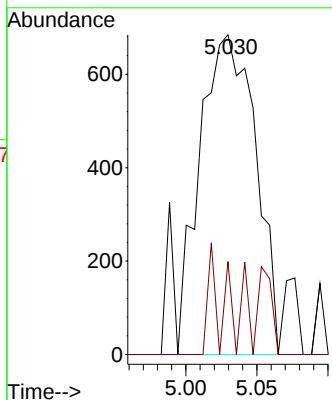


#18
Methyl Acetate
Concen: 0.834 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Instrument :
MSVOA_N
ClientSampleId :

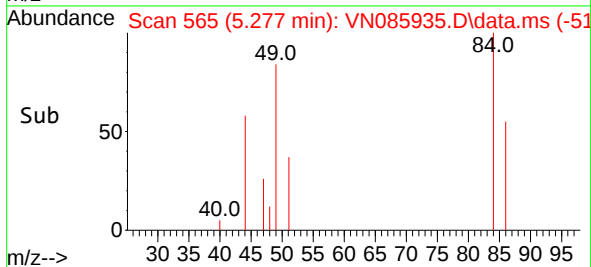
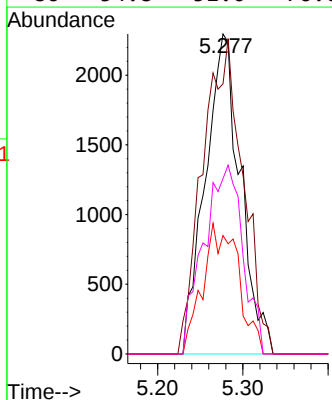
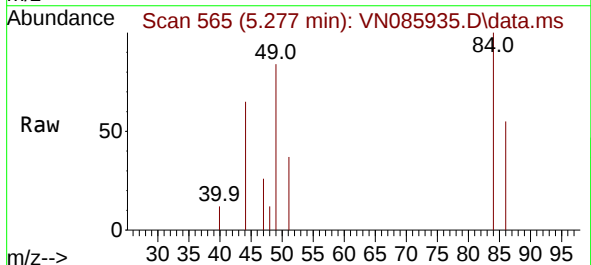


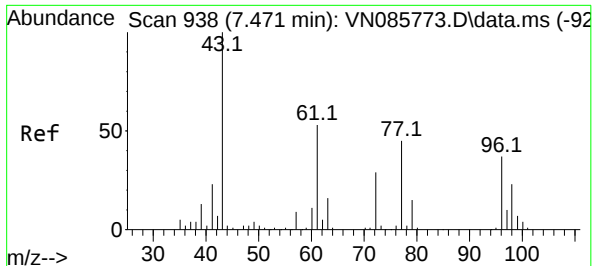
Tgt Ion: 43 Resp: 1875
Ion Ratio Lower Upper
43 100
74 4.5 22.2 33.4#



#20
Methylene Chloride
Concen: 3.122 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Tgt Ion: 84 Resp: 6562
Ion Ratio Lower Upper
84 100
49 84.4 88.4 132.6#
51 37.0 26.6 40.0
86 54.8 51.0 76.6





#25

2-Butanone

Concen: 5.020 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.018 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

Instrument :

MSVOA_N

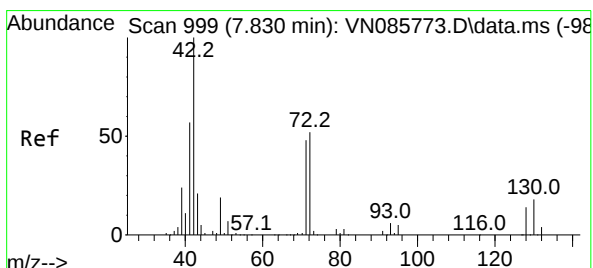
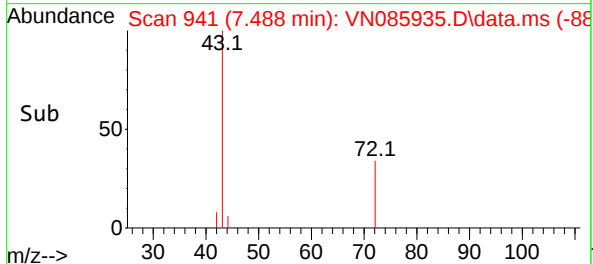
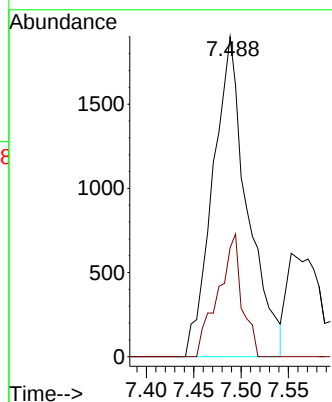
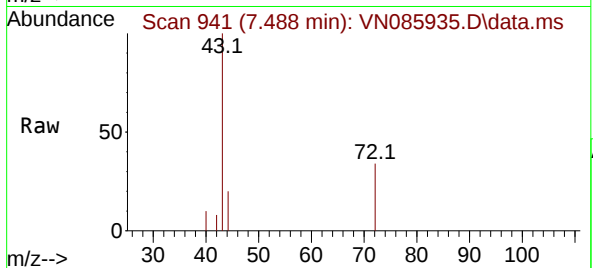
ClientSampleId :

Tgt Ion: 43 Resp: 4827

Ion Ratio Lower Upper

43 100

72 34.0 23.6 35.4



#29

Tetrahydrofuran

Concen: 0.536 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

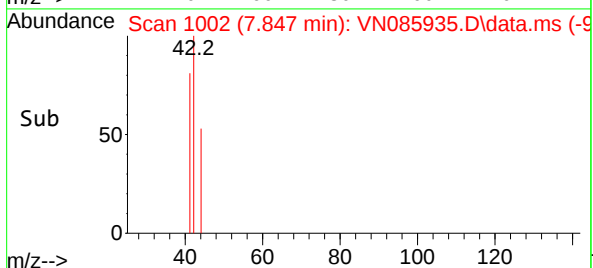
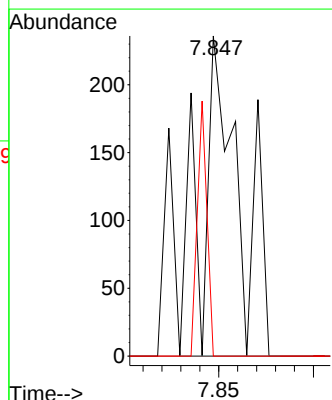
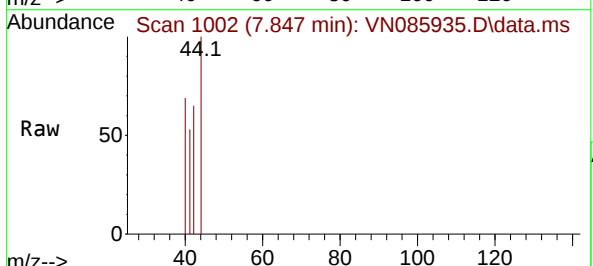
Tgt Ion: 42 Resp: 333

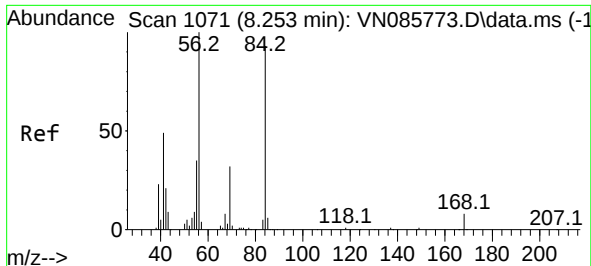
Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

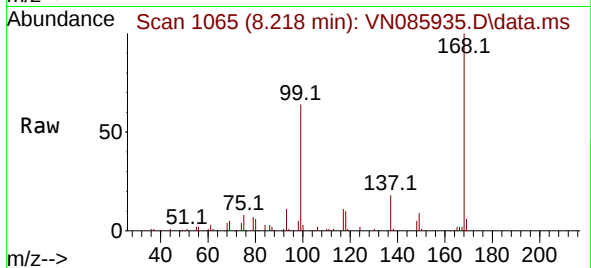
71 19.8 37.0 55.4#



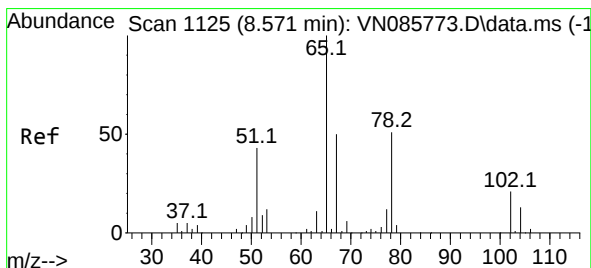
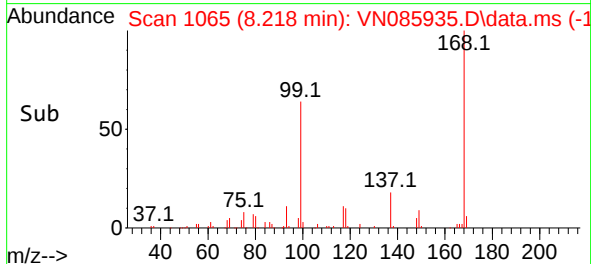
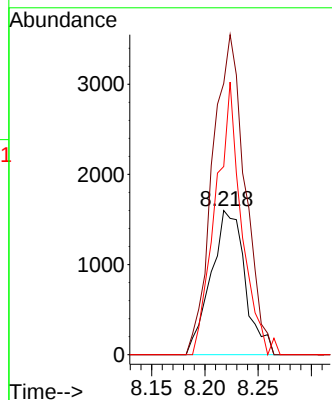


#31
Cyclohexane
Concen: 1.204 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Instrument :
MSVOA_N
ClientSampleId :

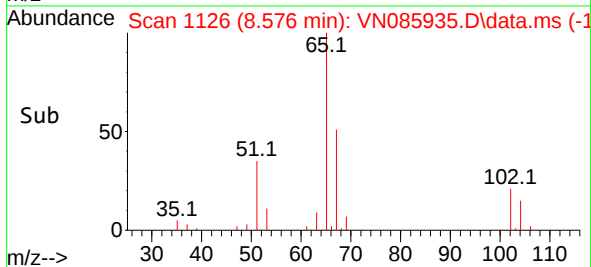
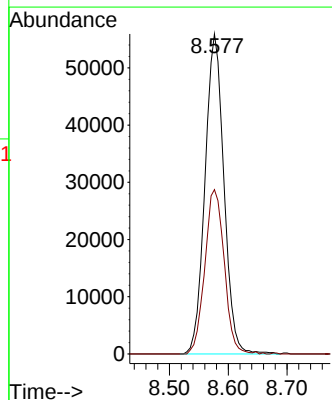
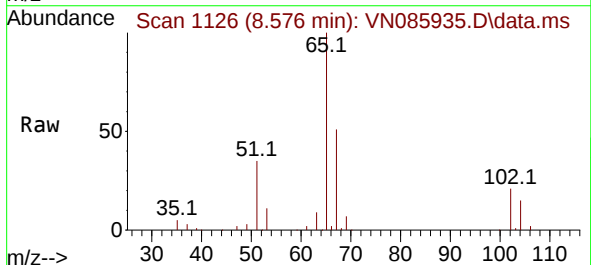


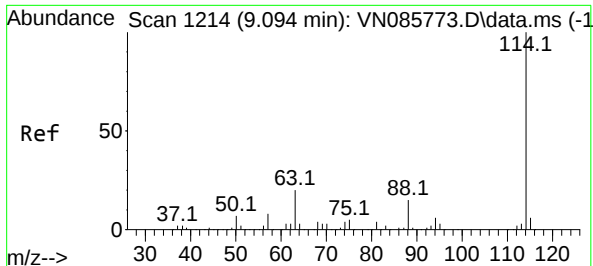
Tgt Ion: 56 Resp: 3552
Ion Ratio Lower Upper
56 100
69 188.2 25.8 38.6#
84 130.6 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 60.518 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Tgt Ion: 65 Resp: 124994
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

Instrument :

MSVOA_N

ClientSampleId :

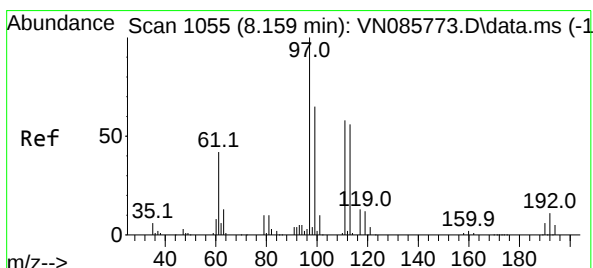
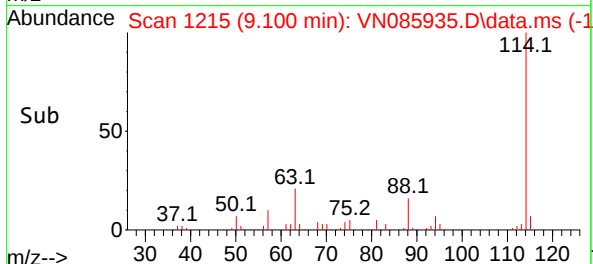
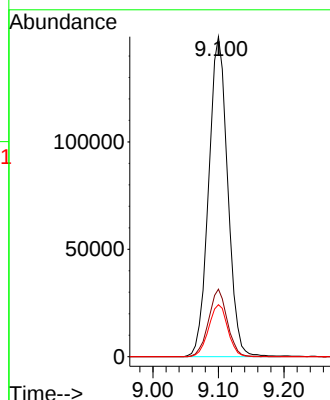
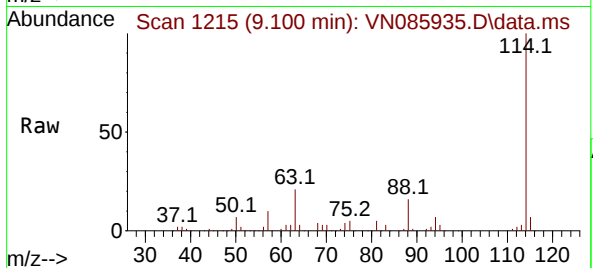
Tgt Ion:114 Resp: 300078

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.2

88 16.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.712 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

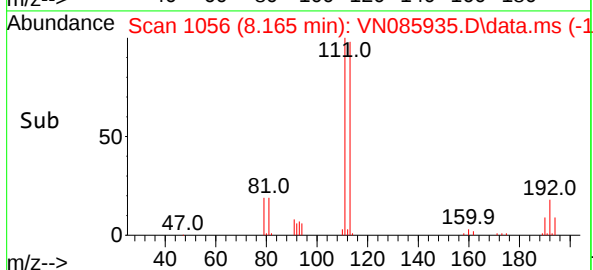
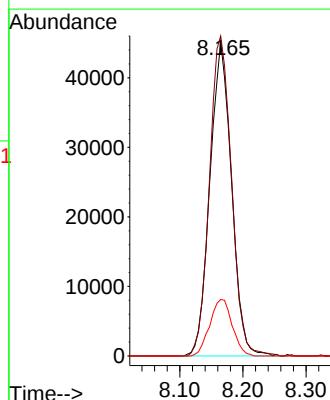
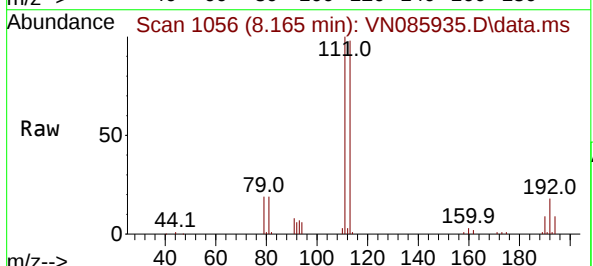
Tgt Ion:113 Resp: 107430

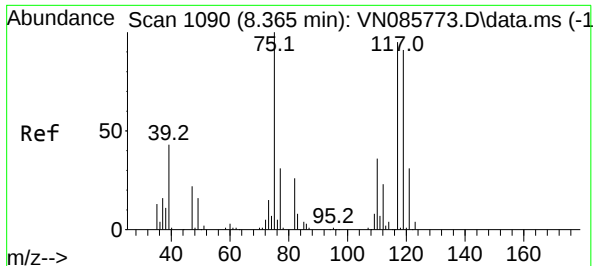
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 18.7 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085935.D

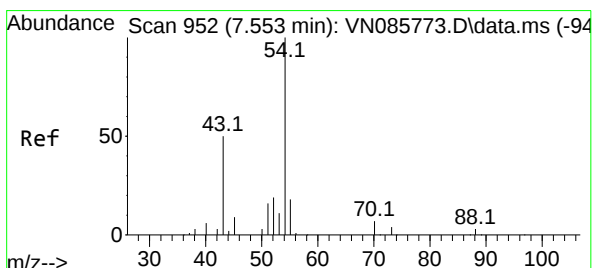
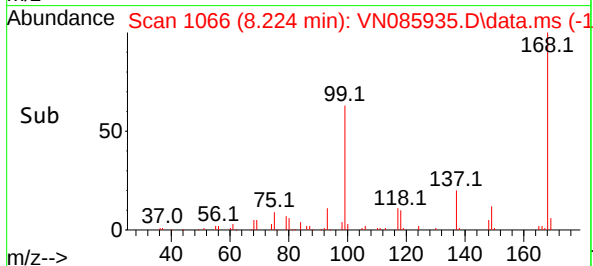
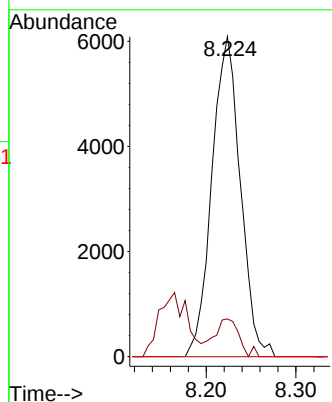
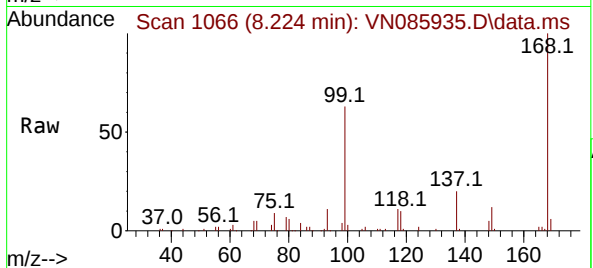
Acq: 11 Mar 2025 16:40

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	13404
Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.3	52.0#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 0.631 ug/l

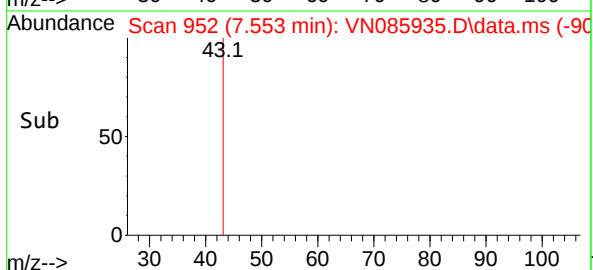
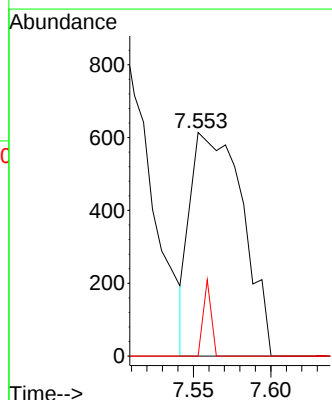
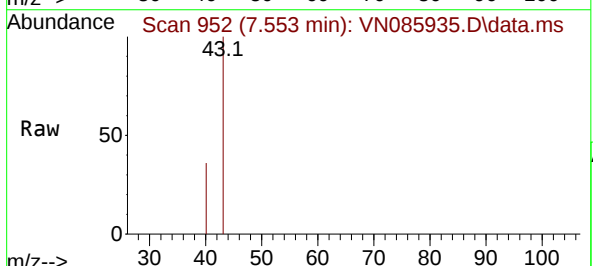
RT: 7.553 min Scan# 952

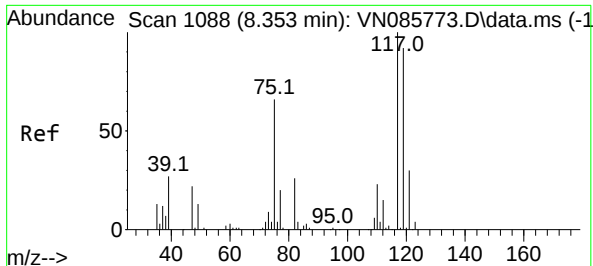
Delta R.T. -0.000 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

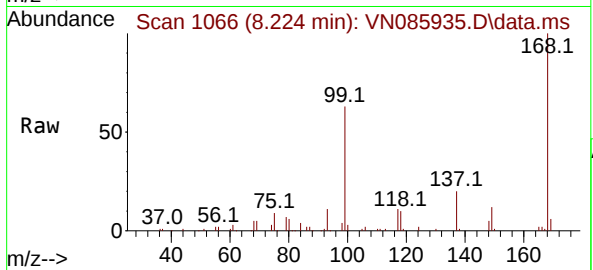
Tgt Ion:	43	Resp:	1444
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	5.1	9.5	14.3#



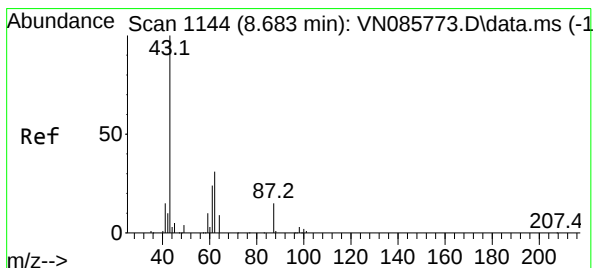
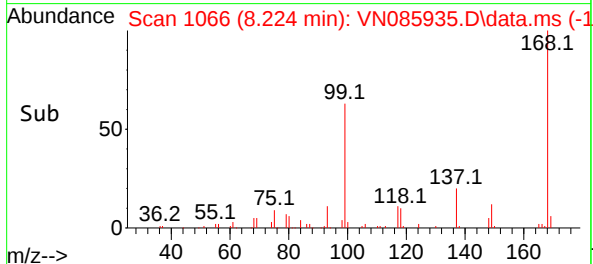
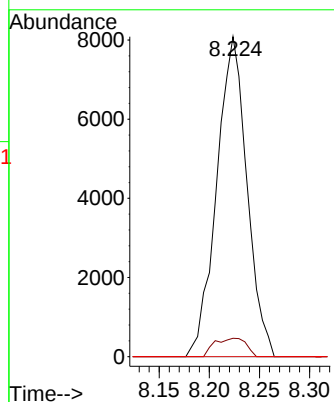


#38
Carbon Tetrachloride
Concen: 5.136 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.130 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Instrument :
MSVOA_N
ClientSampleId :

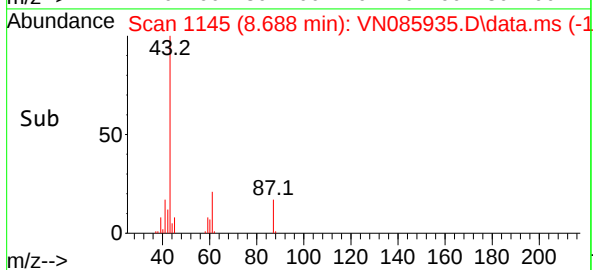
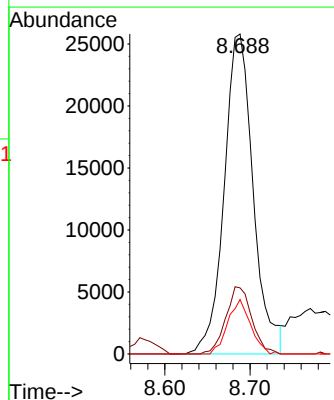
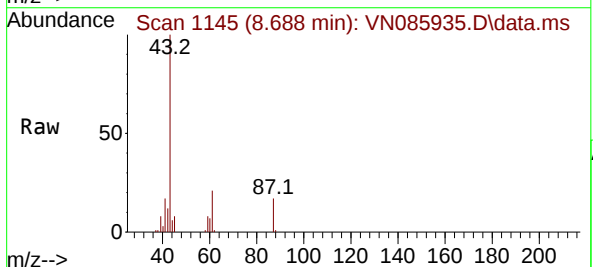


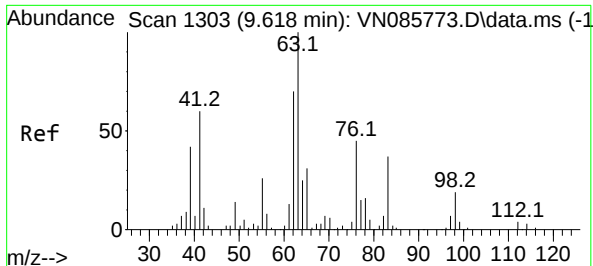
Tgt Ion:117 Resp: 16958
Ion Ratio Lower Upper
117 100
119 5.7 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 14.858 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Tgt Ion: 43 Resp: 61173
Ion Ratio Lower Upper
43 100
61 18.7 22.6 34.0#
87 13.4 11.8 17.8





#45

1,2-Dichloropropane

Concen: 0.464 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.112 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

Instrument :

MSVOA_N

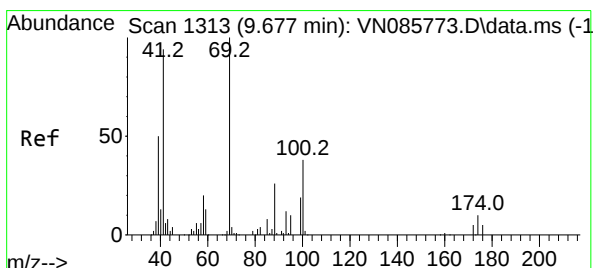
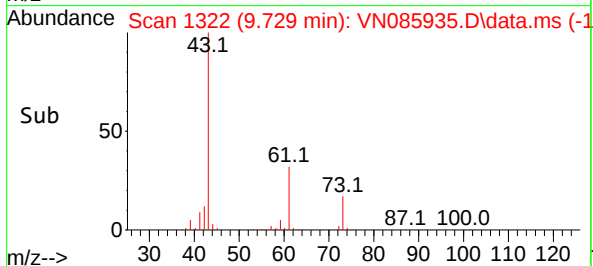
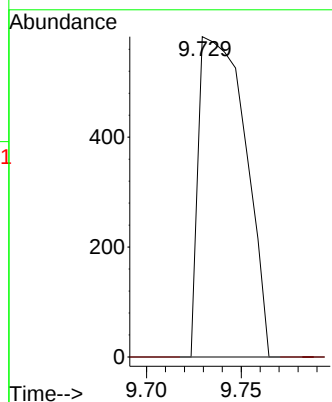
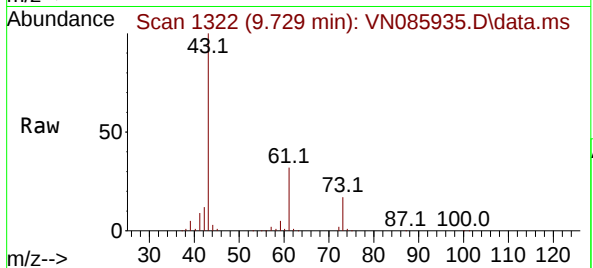
ClientSampleId :

Tgt Ion: 63 Resp: 997

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 42.411 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

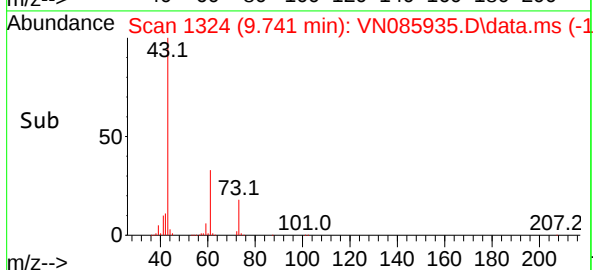
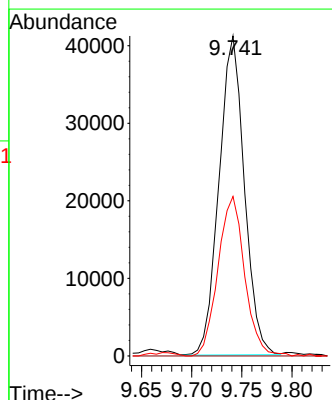
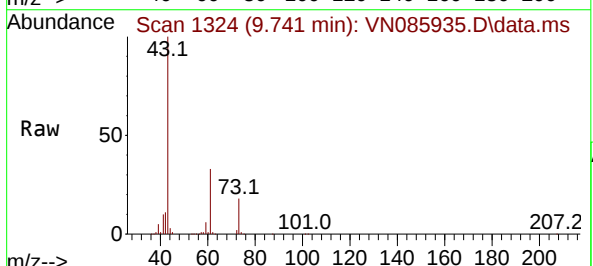
Tgt Ion: 41 Resp: 72032

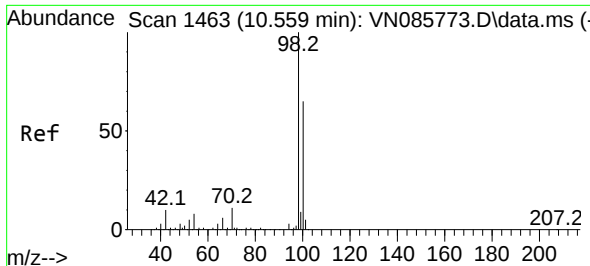
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 52.7 42.3 63.5

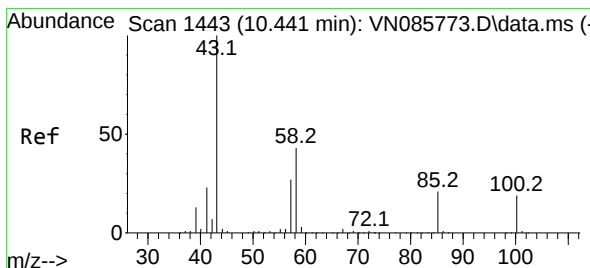
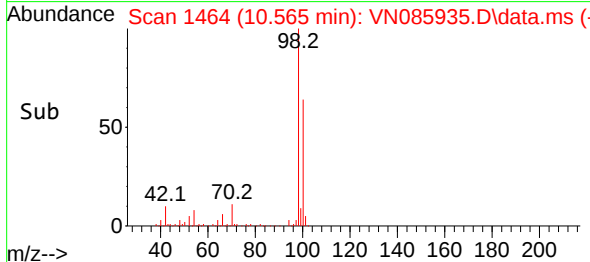
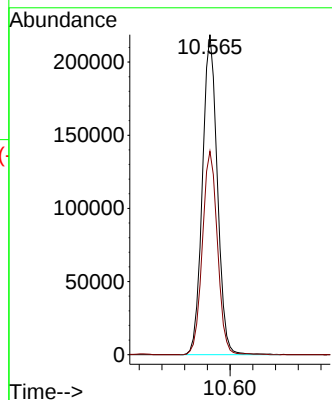
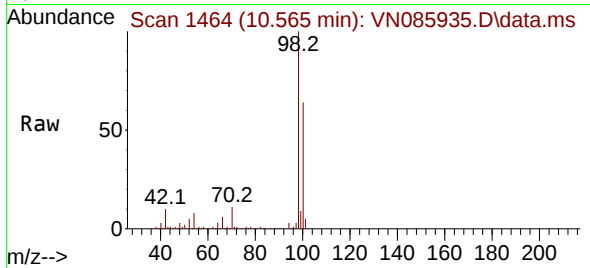




#50
Toluene-d8
Concen: 55.715 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

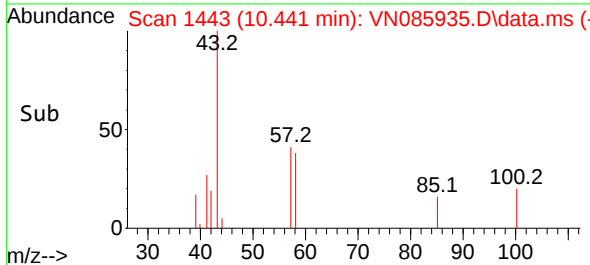
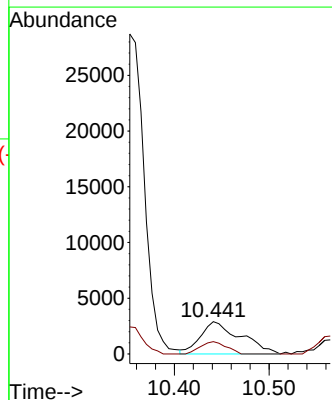
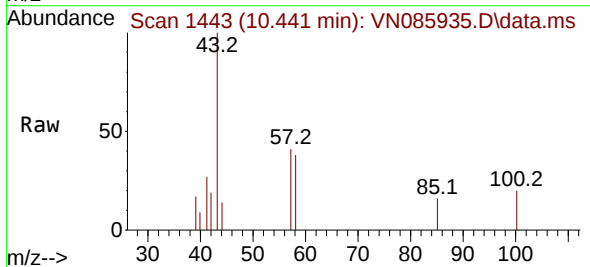
Instrument :
MSVOA_N
ClientSampleId :

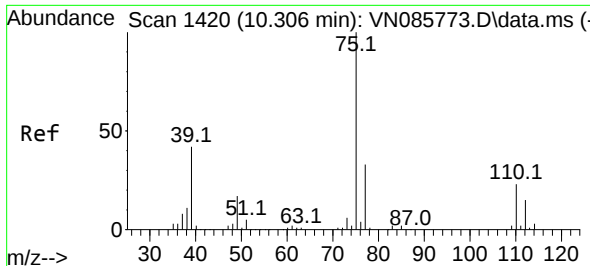
Tgt Ion: 98 Resp: 398030
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.877 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

Tgt Ion: 43 Resp: 8549
Ion Ratio Lower Upper
43 100
58 24.6 34.6 52.0#

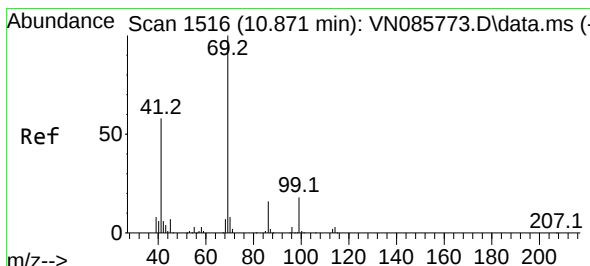
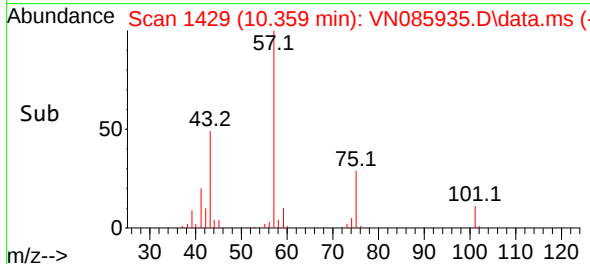
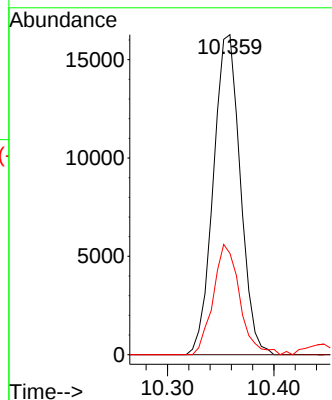
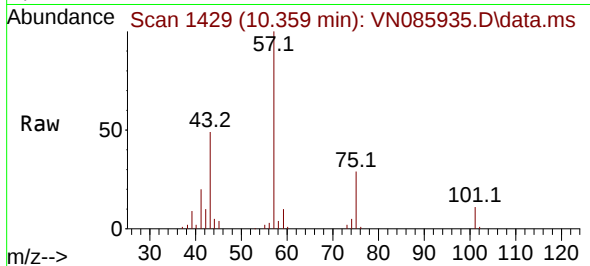




#54
 cis-1,3-Dichloropropene
 Concen: 8.684 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085935.D
 Acq: 11 Mar 2025 16:40

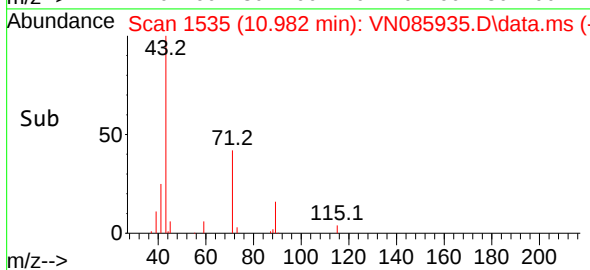
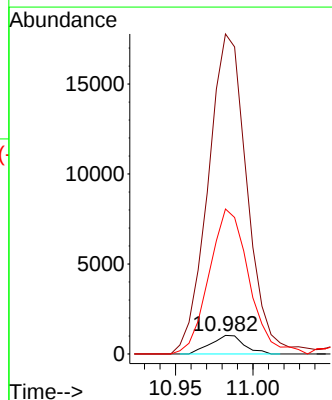
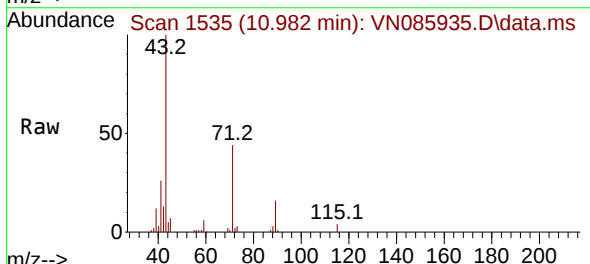
Instrument :
 MSVOA_N
 ClientSampleId :

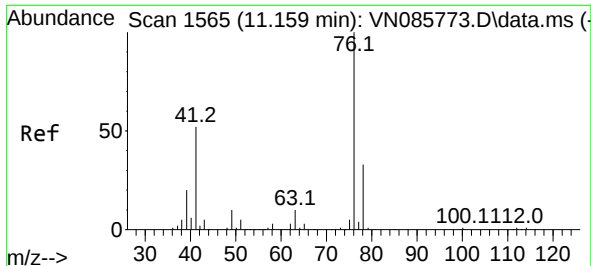
Tgt Ion: 75 Resp: 28570
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 31.7 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 1.036 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085935.D
 Acq: 11 Mar 2025 16:40

Tgt Ion: 69 Resp: 1543
 Ion Ratio Lower Upper
 69 100
 41 2023.5 46.0 69.0#
 39 932.9 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.125 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN085935.D

Acq: 11 Mar 2025 16:40

Instrument :

MSVOA_N

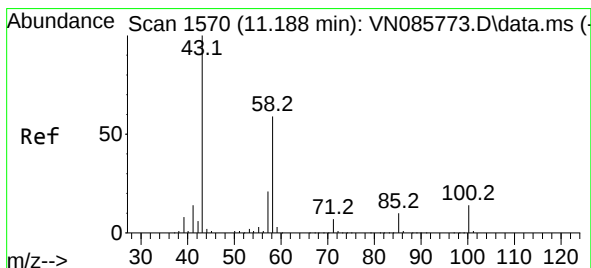
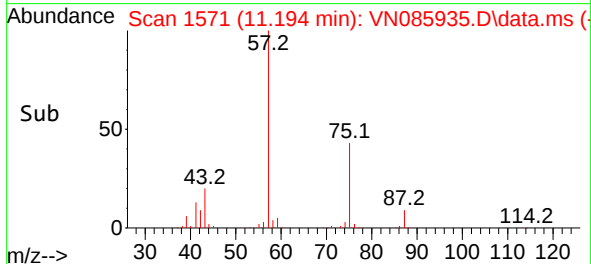
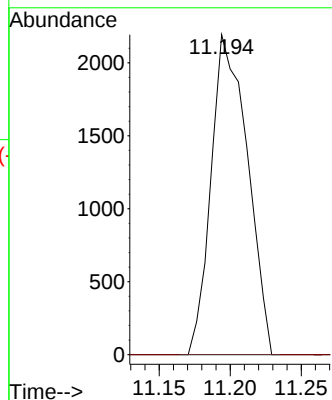
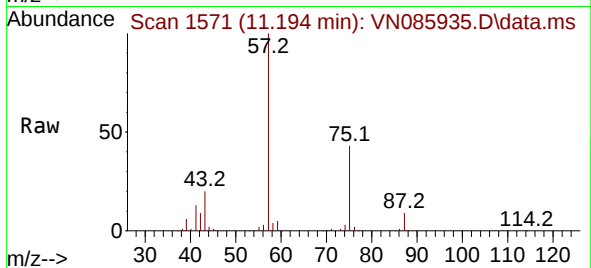
ClientSampleId :

Tgt Ion: 76 Resp: 3897

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 32.400 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085935.D

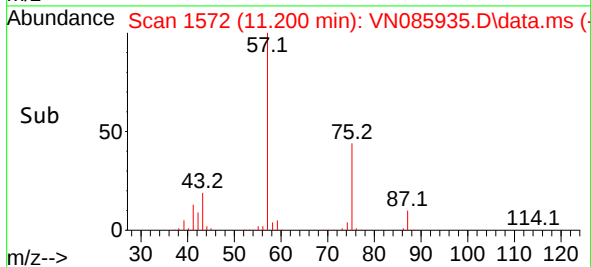
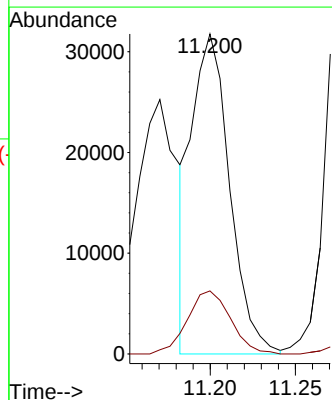
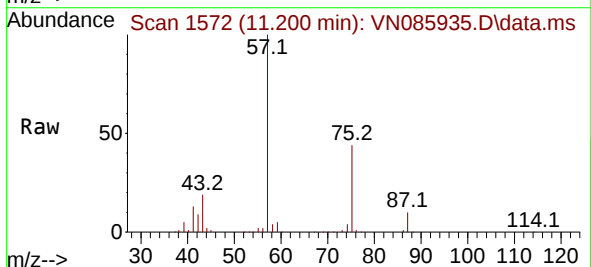
Acq: 11 Mar 2025 16:40

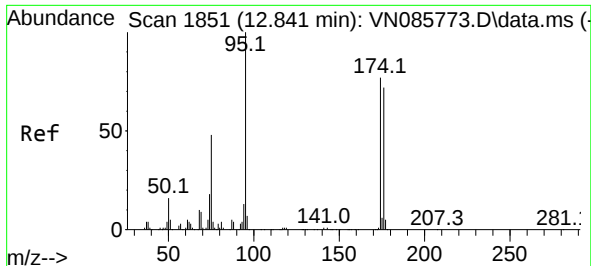
Tgt Ion: 43 Resp: 49146

Ion Ratio Lower Upper

43 100

58 22.5 29.8 89.5#

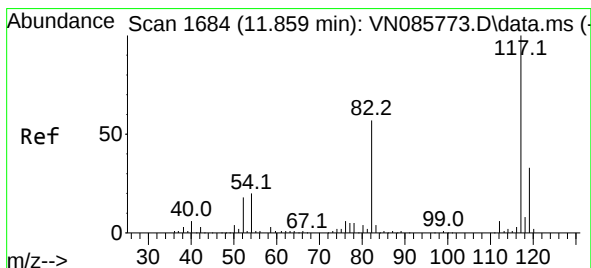
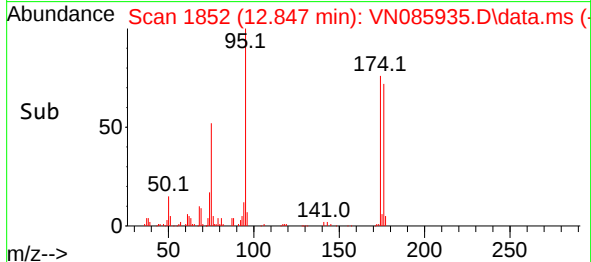
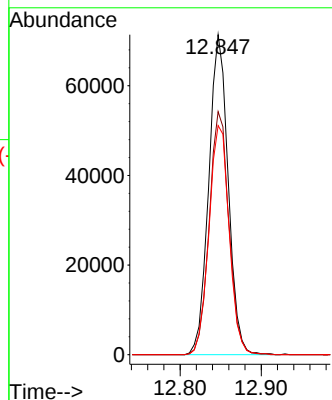
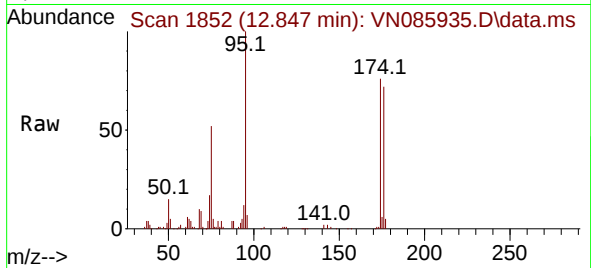




#62
4-Bromofluorobenzene
Concen: 50.319 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

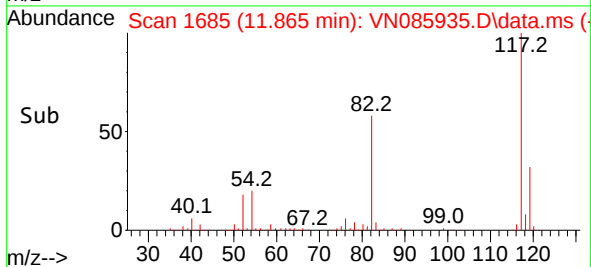
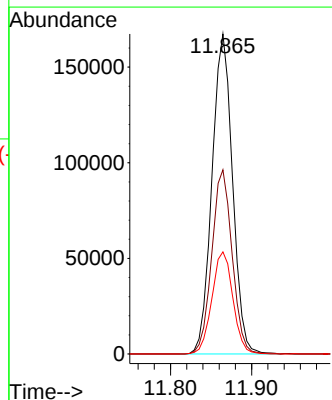
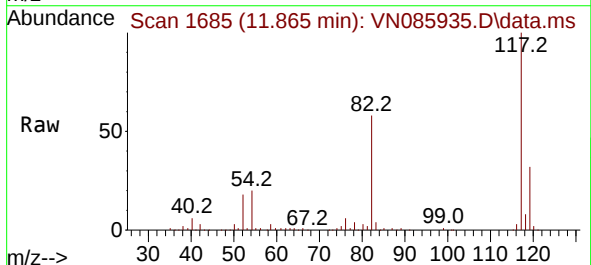
Instrument :
MSVOA_N
ClientSampleId :

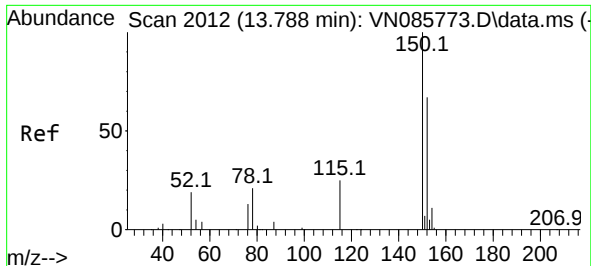
Tgt Ion: 95 Resp: 118440
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.4
176 74.5 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

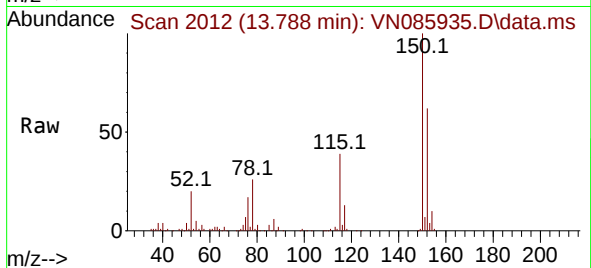
Tgt Ion: 117 Resp: 293699
Ion Ratio Lower Upper
117 100
82 57.5 45.7 68.5
119 31.9 26.2 39.2



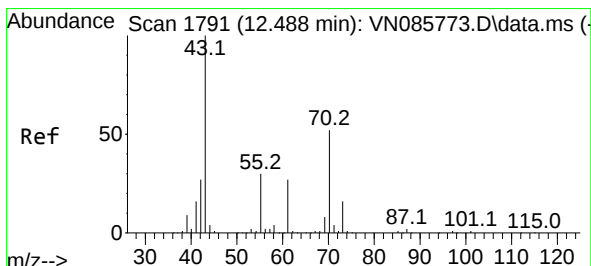
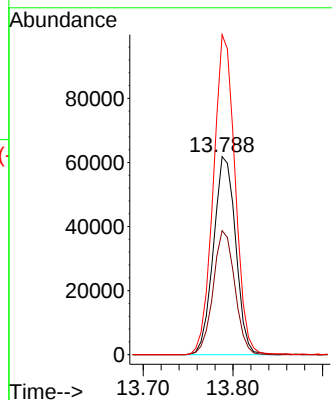
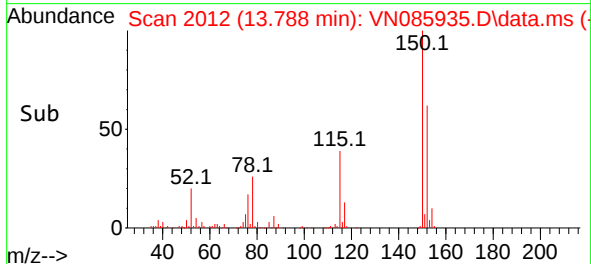


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

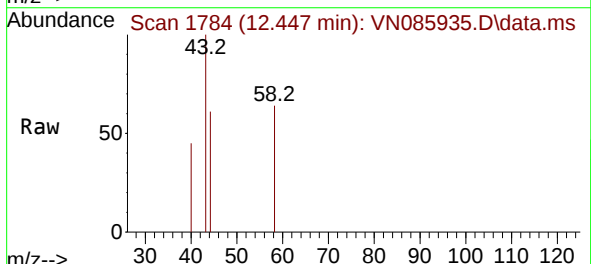
Instrument :
MSVOA_N
ClientSampleId :



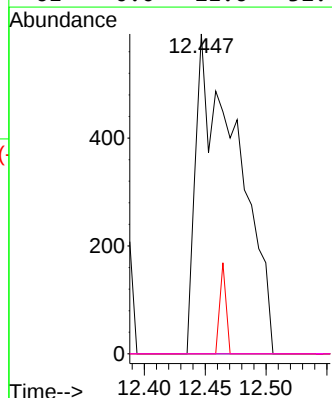
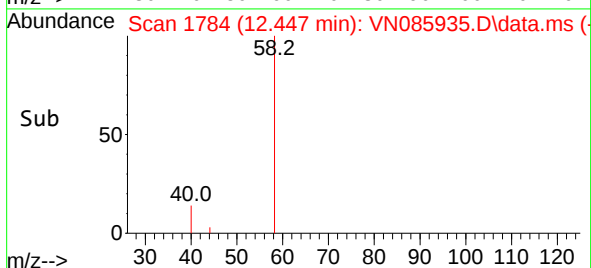
Tgt Ion:152 Resp: 106336
Ion Ratio Lower Upper
152 100
115 61.1 30.4 91.3
150 158.3 0.0 345.4

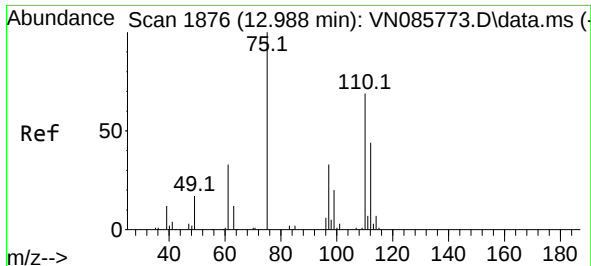


#74
N-ethyl acetate
Concen: 0.549 ug/l
RT: 12.447 min Scan# 1784
Delta R.T. -0.041 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40



Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 4.3 24.6 36.8#
61 0.0 21.6 32.4#

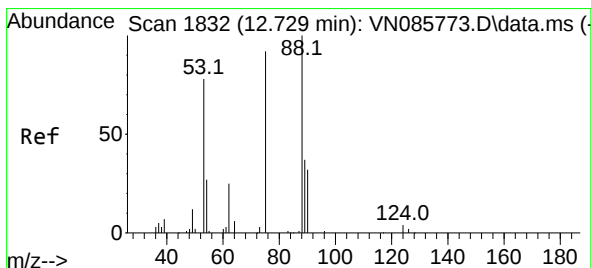
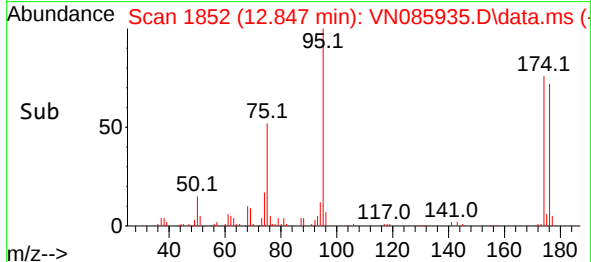
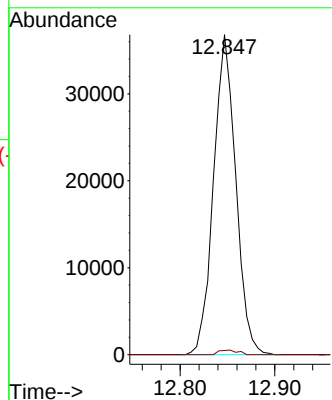
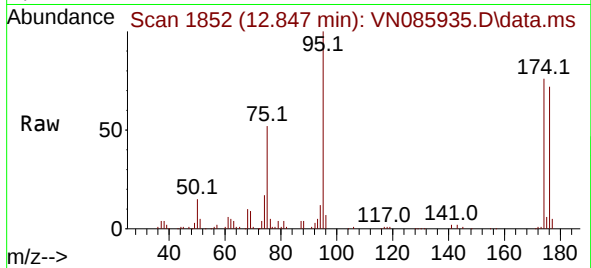




#76
1,2,3-Trichloropropane
Concen: 25.351 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

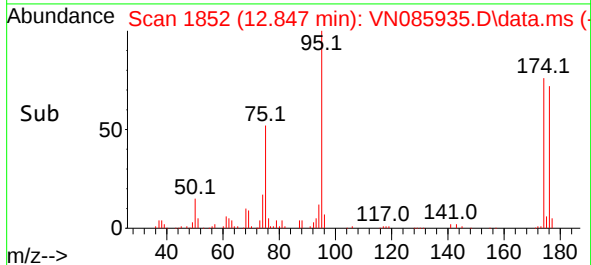
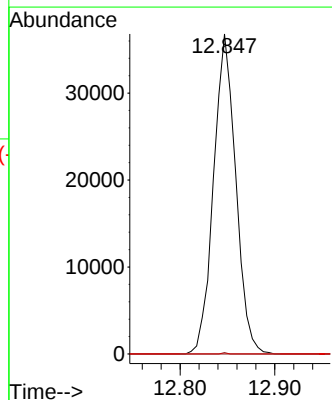
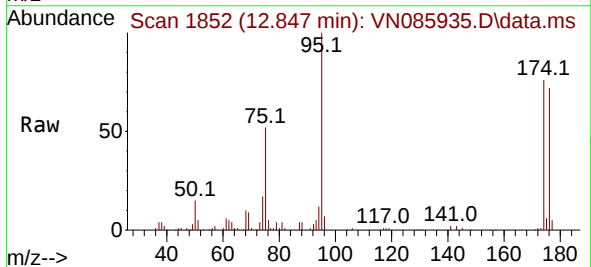
Instrument :
MSVOA_N
ClientSampleId :

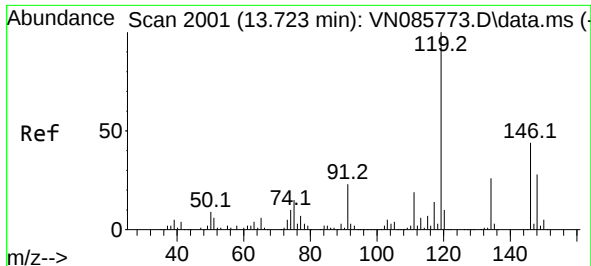
Tgt Ion: 75 Resp: 59882
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.969 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

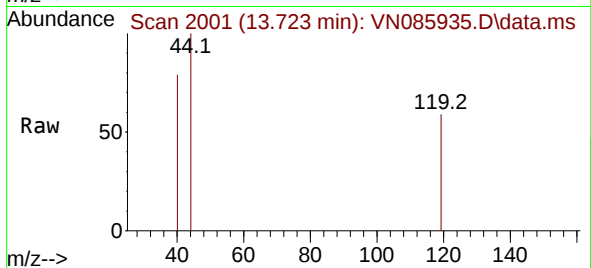
Tgt Ion: 75 Resp: 59882
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



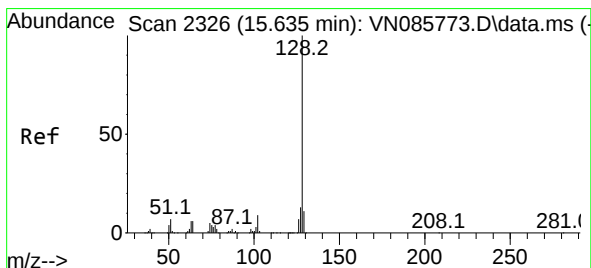
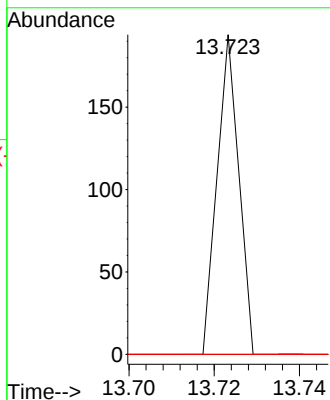
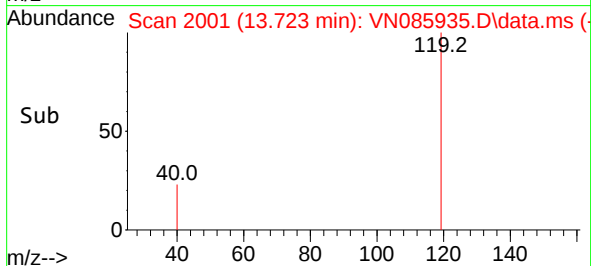


#86
p-Isopropyltoluene
Concen: 0.636 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40

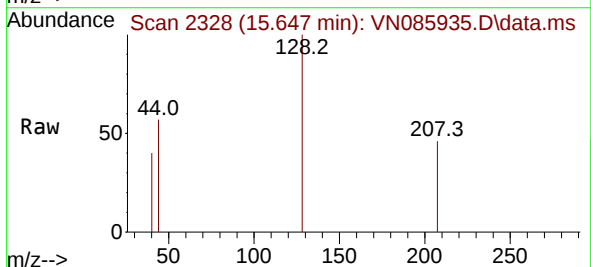
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:119 Resp: 68
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#



#95
Naphthalene
Concen: 0.223 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085935.D
Acq: 11 Mar 2025 16:40



Tgt Ion:128 Resp: 1034
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.7 13.1#

