

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
 Data File : VN085900.D
 Acq On : 06 Mar 2025 15:54
 Operator : JC\MD
 Sample : PB166989ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#02

Quant Time: Mar 07 00:40:00 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)

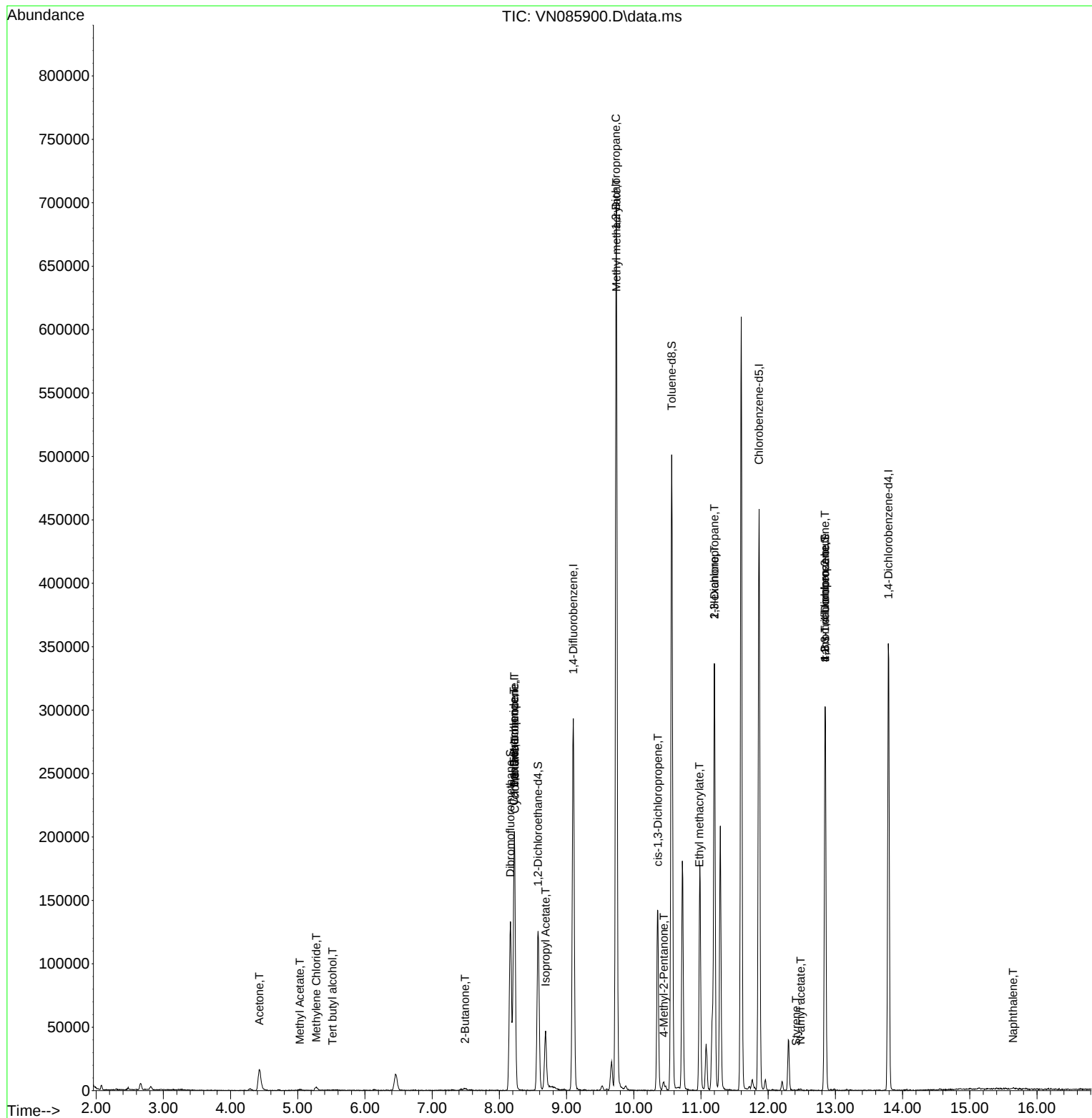
Internal Standards						
1) Pentafluorobenzene	8.224	168	146240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	107938	56.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.860%			
35) Dibromofluoromethane	8.165	113	94981	55.444	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.880%			
50) Toluene-d8	10.565	98	357466	57.353	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.700%#			
62) 4-Bromofluorobenzene	12.847	95	109572	53.357	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	184	0.789	ug/l #	72
16) Acetone	4.430	43	31249	52.089	ug/l	89
18) Methyl Acetate	5.030	43	985	0.477	ug/l	97
20) Methylene Chloride	5.277	84	2119	1.098	ug/l #	76
25) 2-Butanone	7.488	43	3361	3.808	ug/l #	83
31) Cyclohexane	8.229	56	2637	0.974	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11625	4.795	ug/l #	49
38) Carbon Tetrachloride	8.218	117	15595	5.413	ug/l #	16
43) Isopropyl Acetate	8.688	43	48428	13.431	ug/l #	91
45) 1,2-Dichloropropane	9.735	63	781	0.416	ug/l #	43
48) Methyl methacrylate	9.741	41	59772	40.339	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	6681	3.473	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	27876	9.712	ug/l #	61
56) Ethyl methacrylate	10.976	69	1352	1.039	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4038	1.336	ug/l #	42
59) 2-Hexanone	11.200	43	40896	30.903	ug/l #	52
70) Styrene	12.417	104	62	0.595	ug/l #	26
74) N-amyl acetate	12.482	43	630	0.253	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	53778	23.443	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	53778	68.401	ug/l #	13
95) Naphthalene	15.647	128	1513	0.336	ug/l #	74

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030625\
Data File : VN085900.D
Acq On : 06 Mar 2025 15:54
Operator : JC\MD
Sample : PB166989ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

Quant Time: Mar 07 00:40:00 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

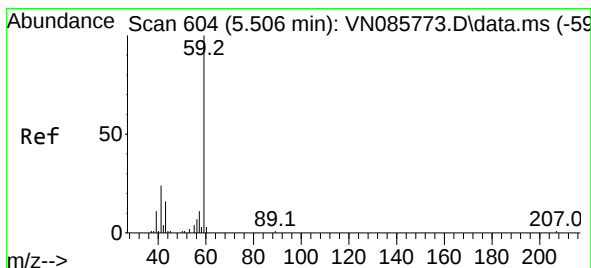
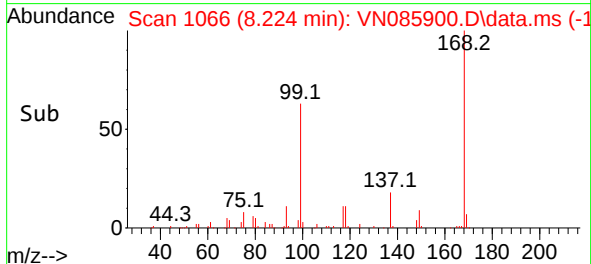
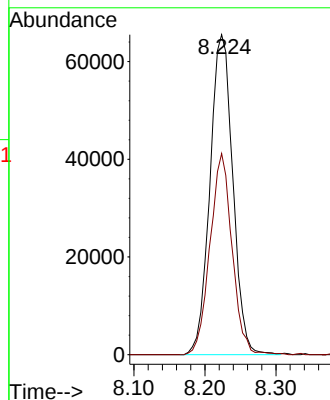
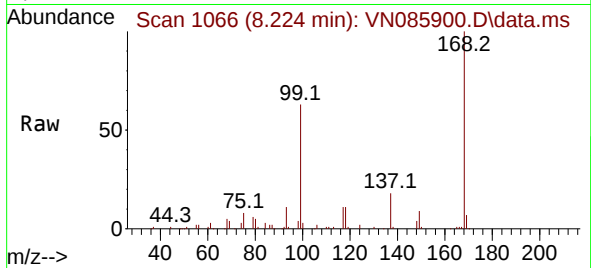




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

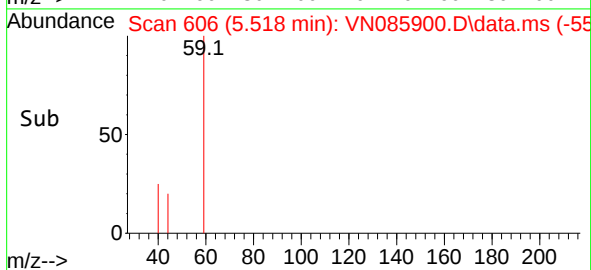
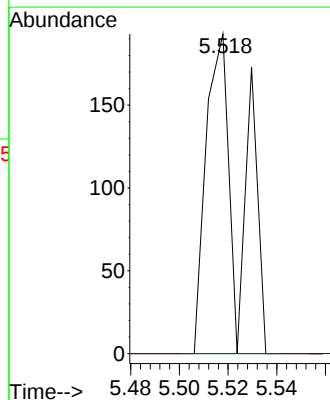
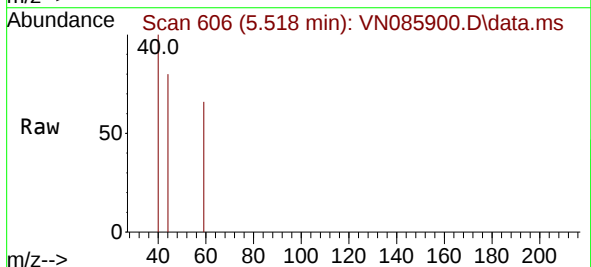
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

Tgt Ion:168 Resp: 146240
Ion Ratio Lower Upper
168 100
99 62.8 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.789 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5

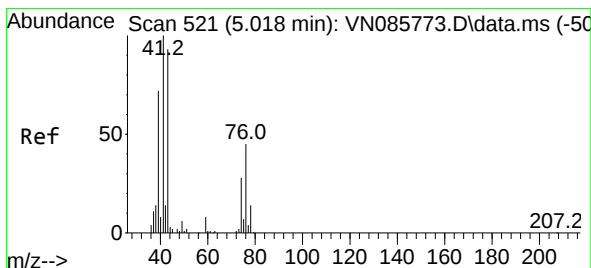
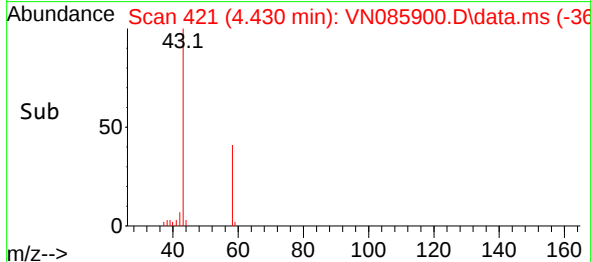
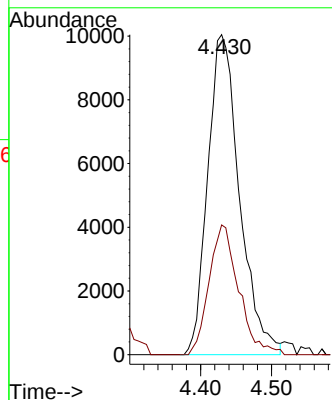
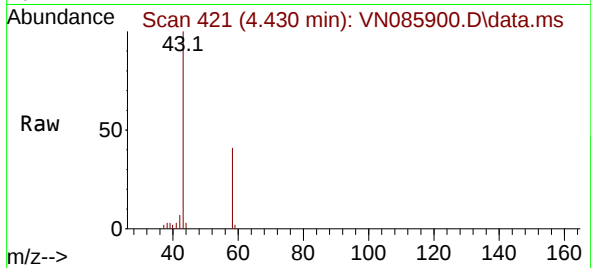




#16
Acetone
Concen: 52.089 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

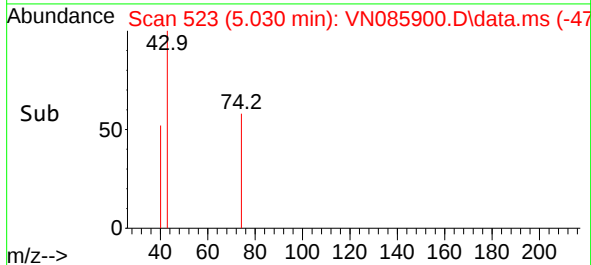
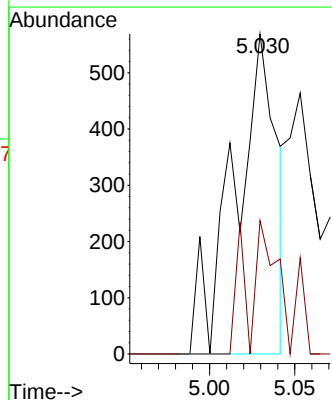
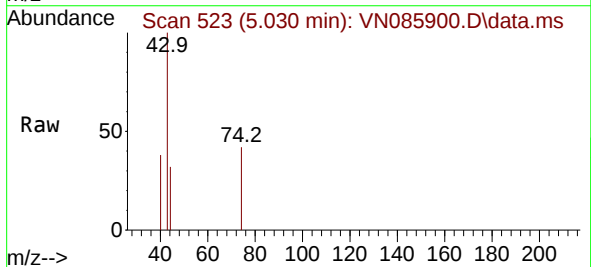
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

Tgt Ion: 43 Resp: 31249
Ion Ratio Lower Upper
43 100
58 40.6 27.5 41.3



#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

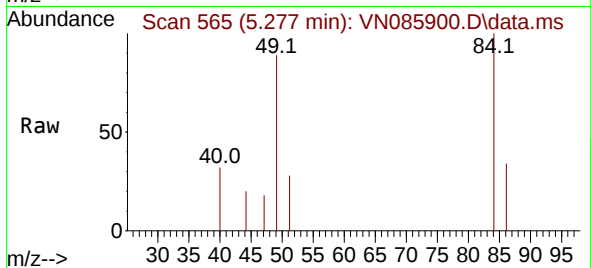
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
74 26.3 22.2 33.4



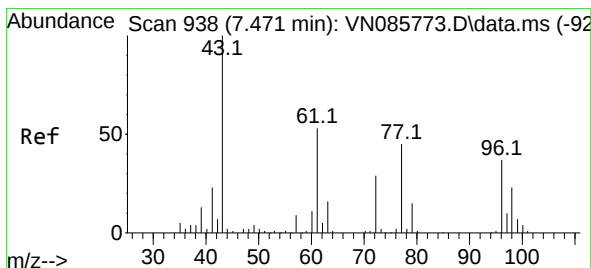
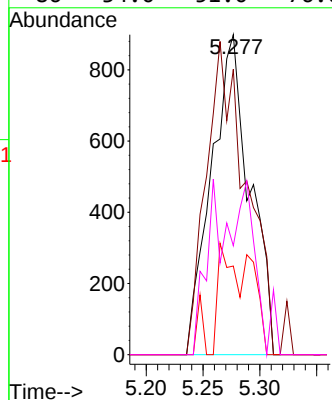


#20
Methylene Chloride
Concen: 1.098 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

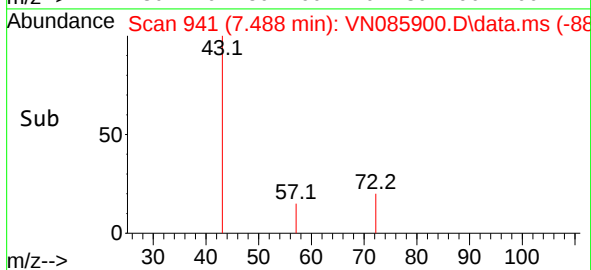
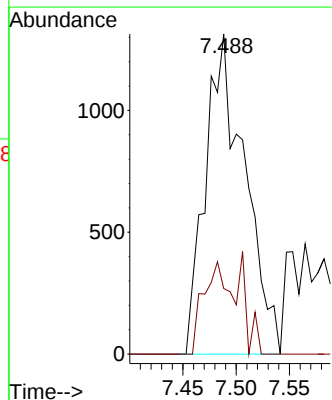
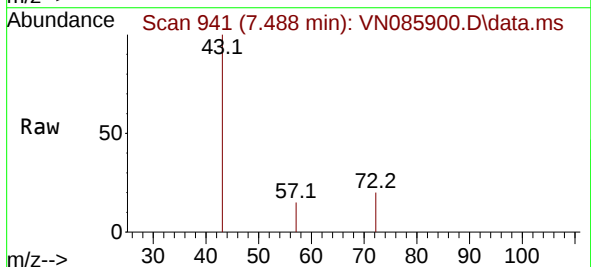


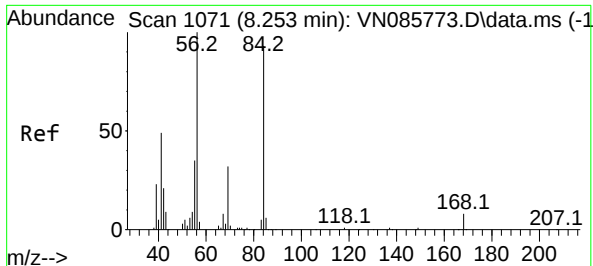
Tgt Ion:	84	Resp:	2119
Ion	Ratio	Lower	Upper
84	100		
49	89.2	88.4	132.6
51	27.7	26.6	40.0
86	34.0	51.0	76.6



#25
2-Butanone
Concen: 3.808 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion:	43	Resp:	3361
Ion	Ratio	Lower	Upper
43	100		
72	20.5	23.6	35.4

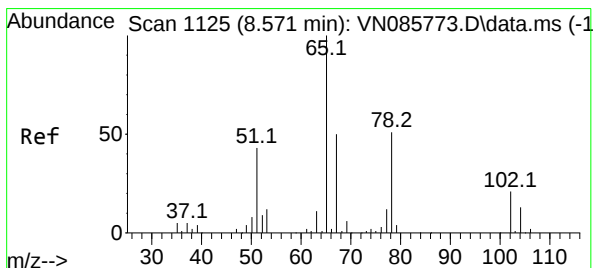
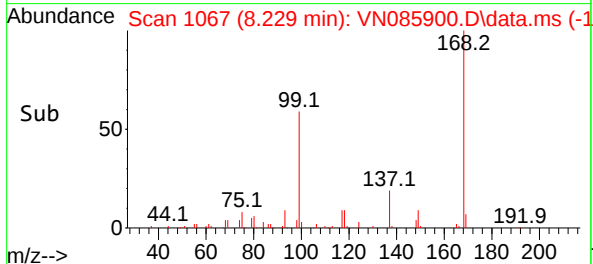
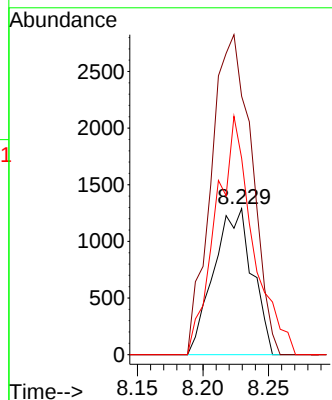
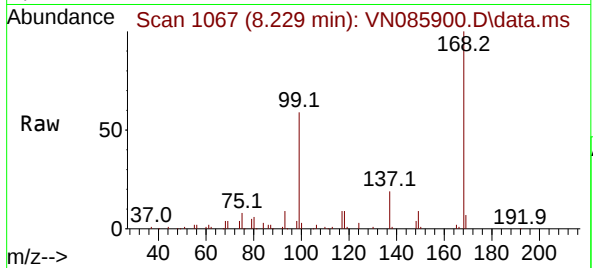




#31
Cyclohexane
Concen: 0.974 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

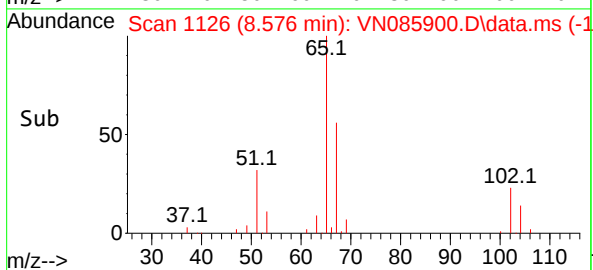
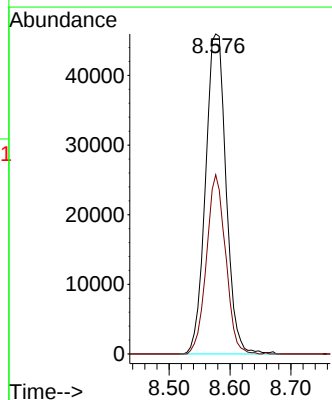
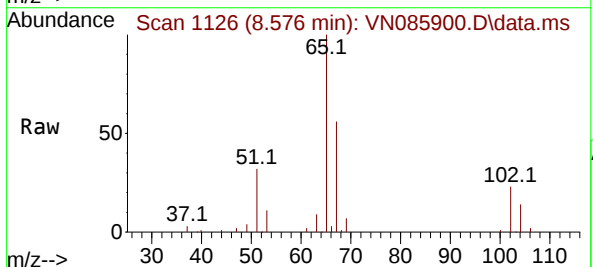
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

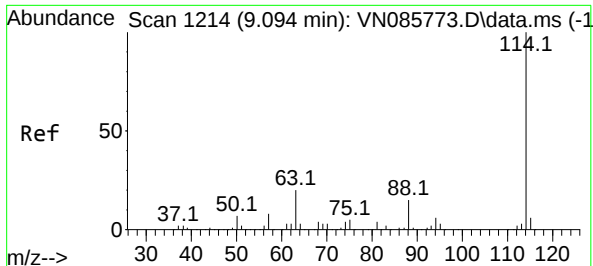
Tgt Ion: 56 Resp: 2637
Ion Ratio Lower Upper
56 100
69 176.8 25.8 38.6#
84 134.5 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 56.931 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion: 65 Resp: 107938
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085900.D

Acq: 06 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#02

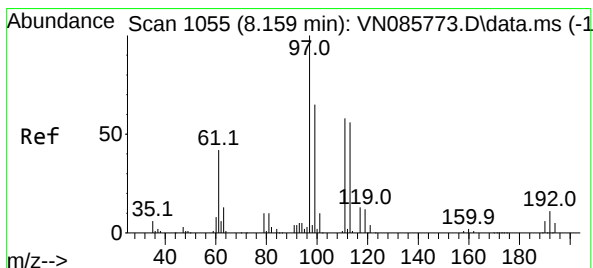
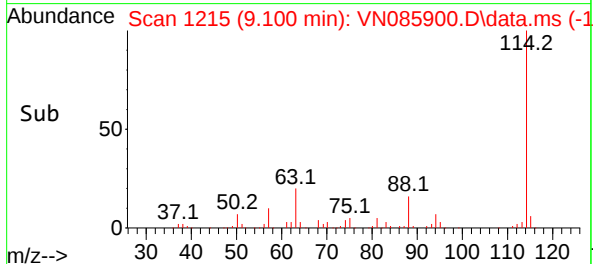
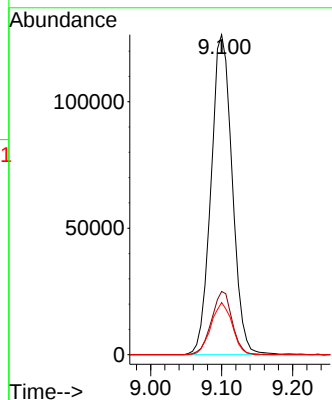
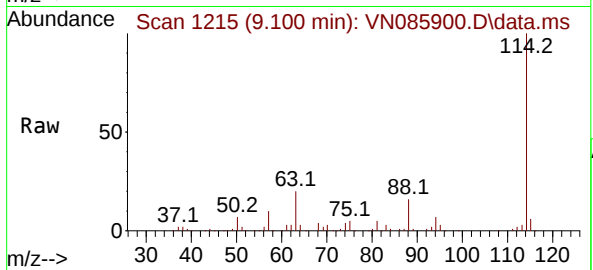
Tgt Ion:114 Resp: 261799

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 16.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.444 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085900.D

Acq: 06 Mar 2025 15:54

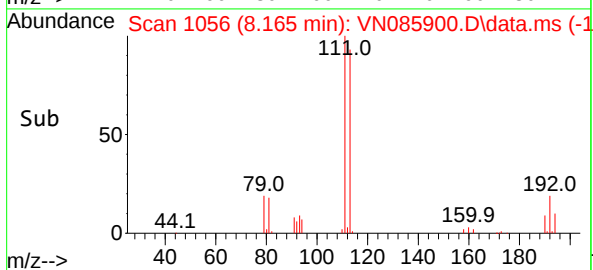
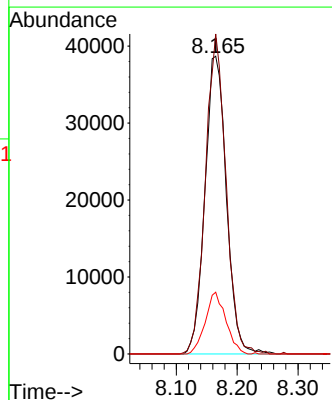
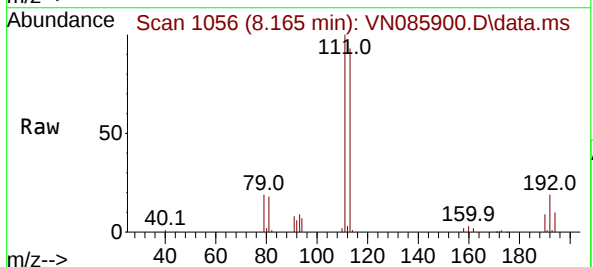
Tgt Ion:113 Resp: 94981

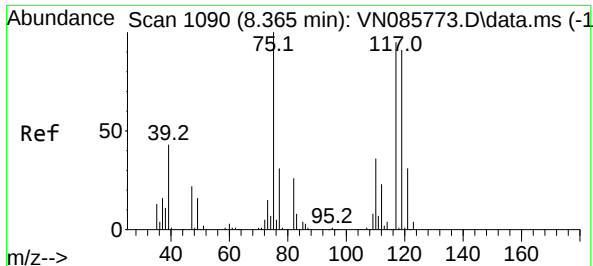
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 19.8 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.795 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085900.D

Acq: 06 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#02

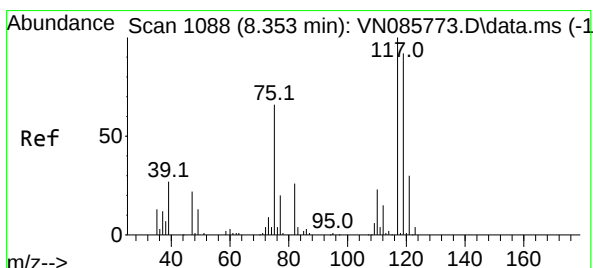
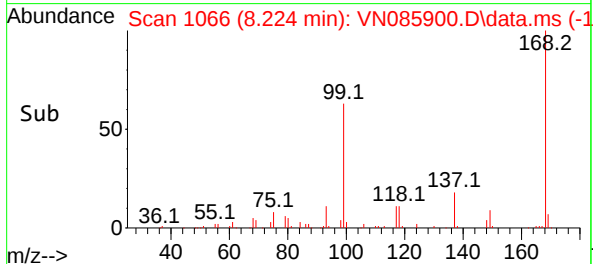
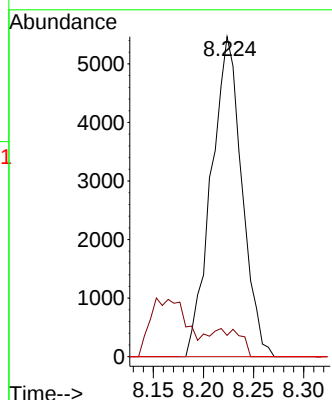
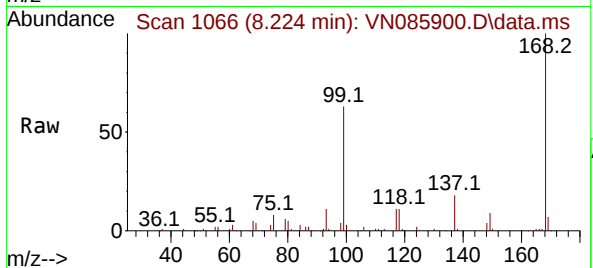
Tgt Ion: 75 Resp: 11625

Ion Ratio Lower Upper

75 100

110 7.4 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.413 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085900.D

Acq: 06 Mar 2025 15:54

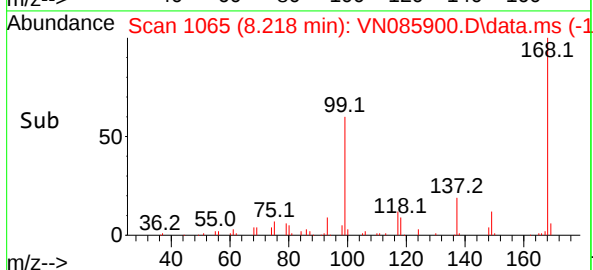
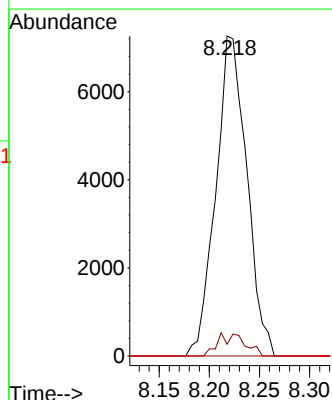
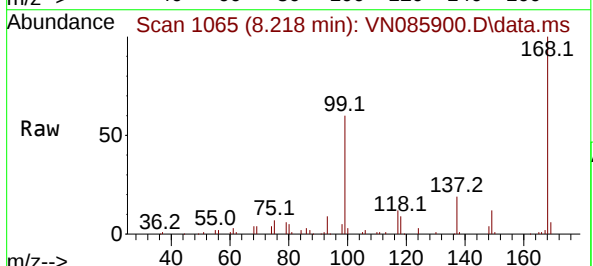
Tgt Ion: 117 Resp: 15595

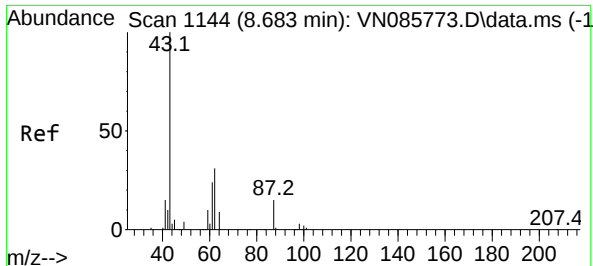
Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.6#

121 0.0 24.3 36.5#

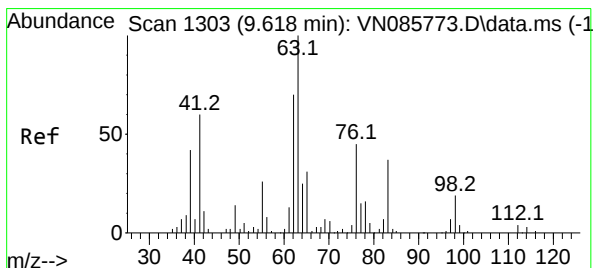
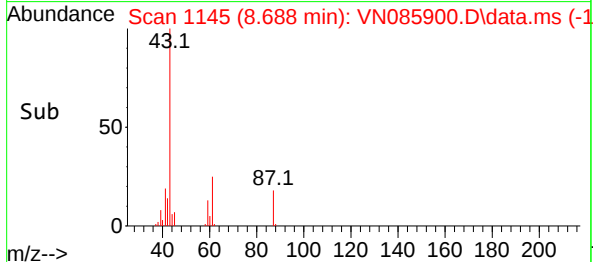
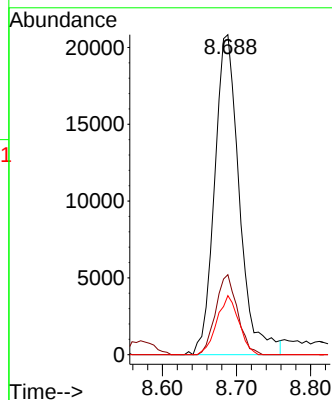
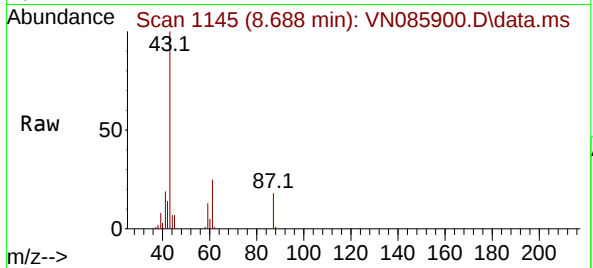




#43
Isopropyl Acetate
Concen: 13.431 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

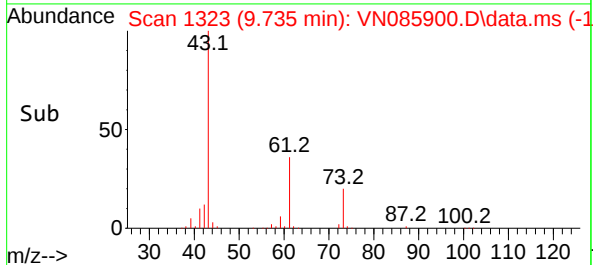
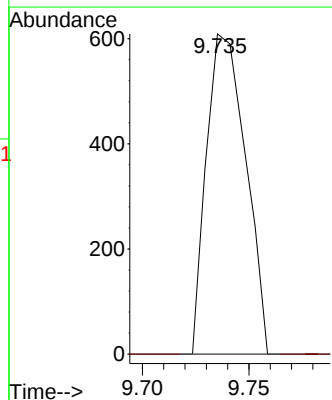
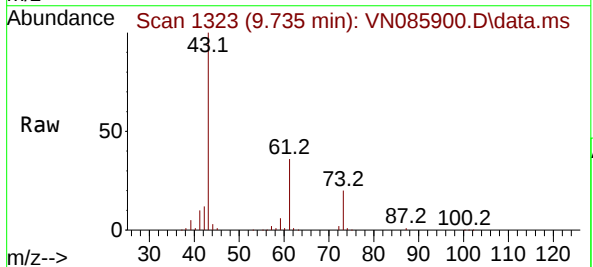
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

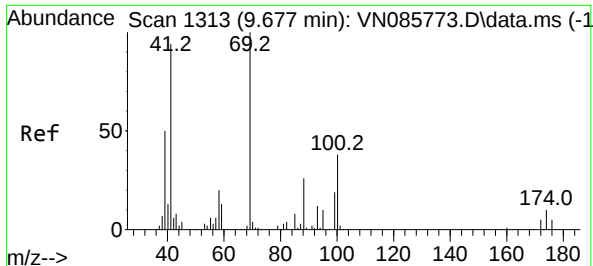
Tgt Ion: 43 Resp: 48428
Ion Ratio Lower Upper
43 100
61 22.0 22.6 34.0#
87 16.3 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.416 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion: 63 Resp: 781
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 40.339 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN085900.D

Acq: 06 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB166989ZHE#02

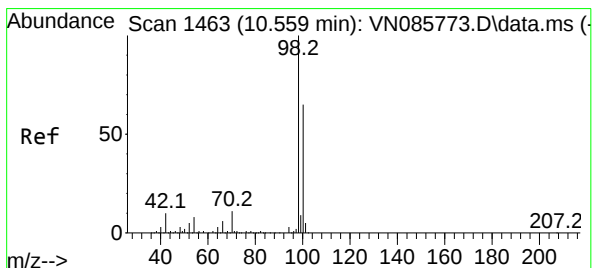
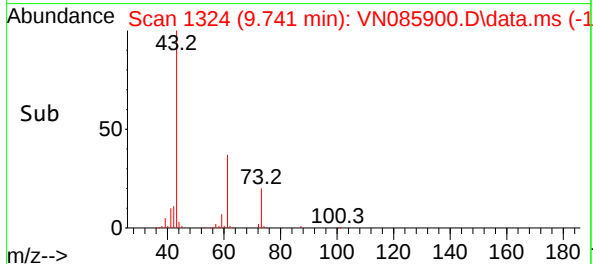
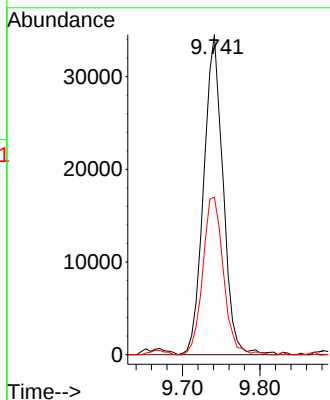
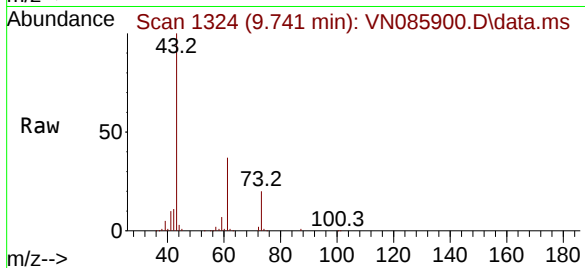
Tgt Ion: 41 Resp: 59772

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 52.5 42.3 63.5



#50

Toluene-d8

Concen: 57.353 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085900.D

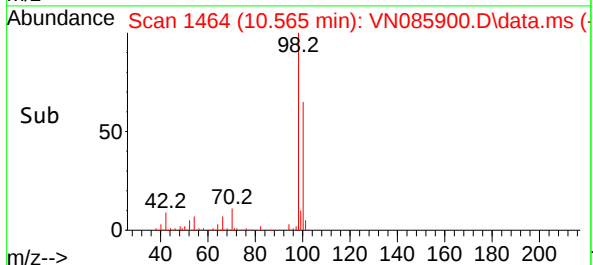
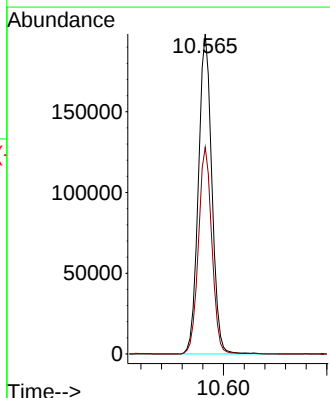
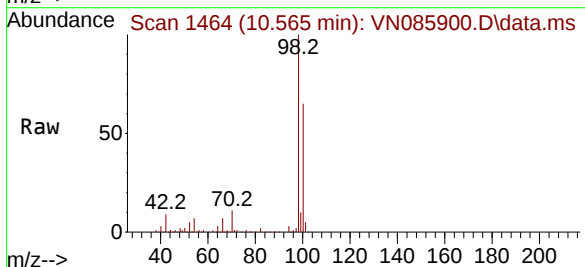
Acq: 06 Mar 2025 15:54

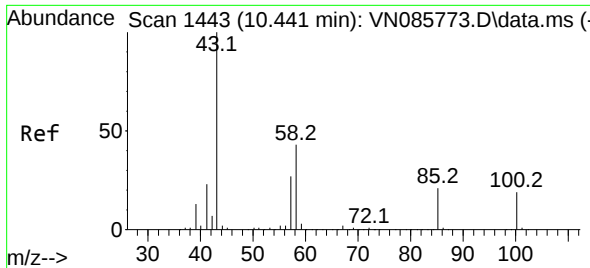
Tgt Ion: 98 Resp: 357466

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1

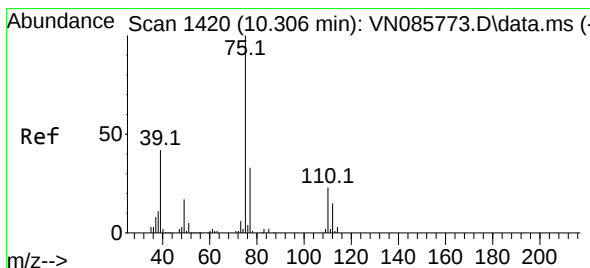
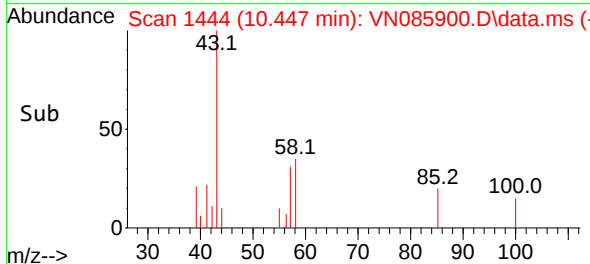
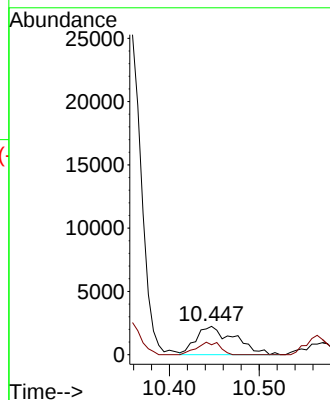
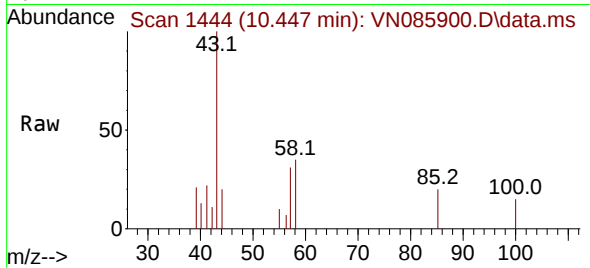




#51
4-Methyl-2-Pentanone
Concen: 3.473 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

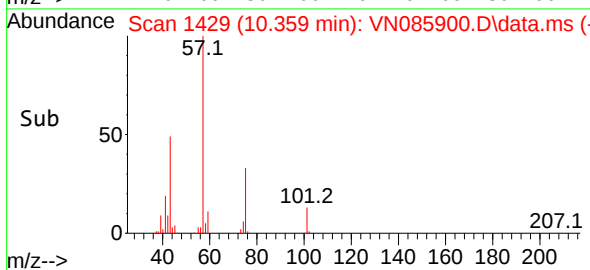
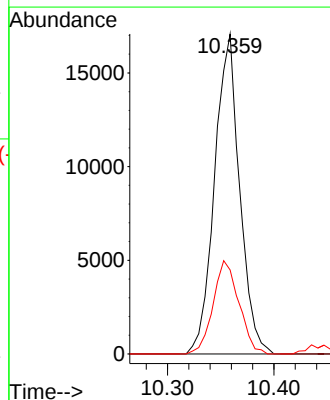
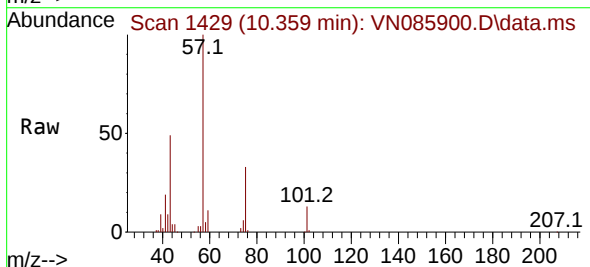
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

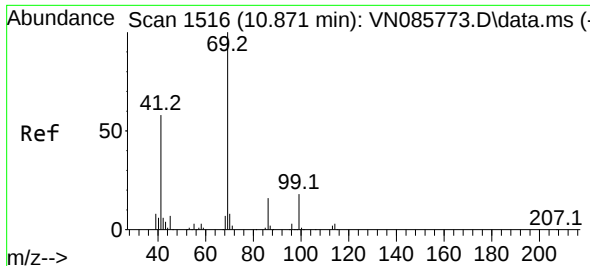
Tgt Ion: 43 Resp: 6681
Ion Ratio Lower Upper
43 100
58 26.4 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 9.712 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion: 75 Resp: 27876
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 26.3 33.4 50.0#

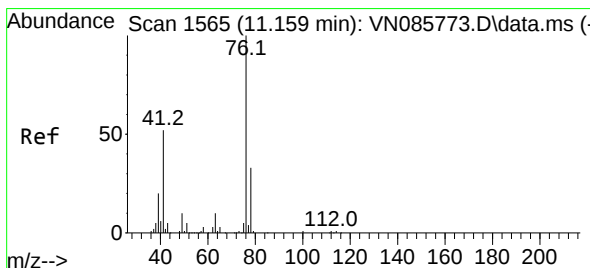
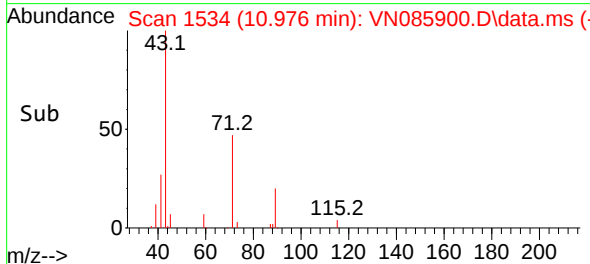
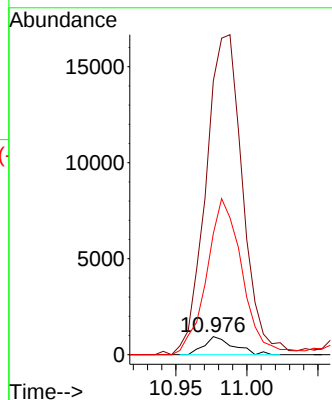
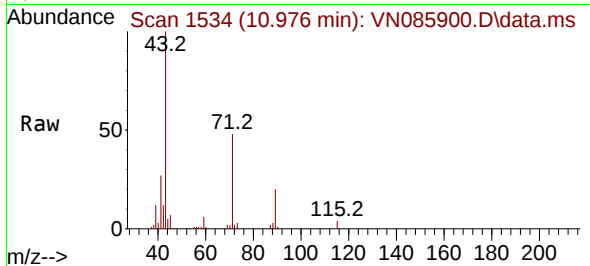




#56
Ethyl methacrylate
Concen: 1.039 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

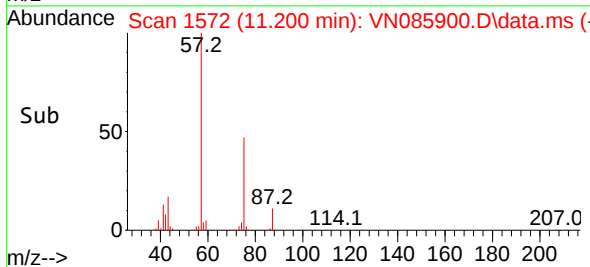
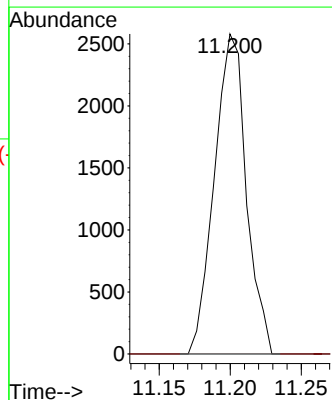
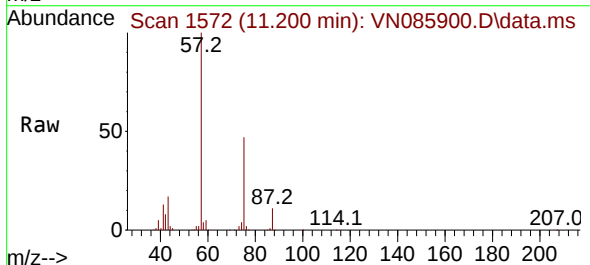
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

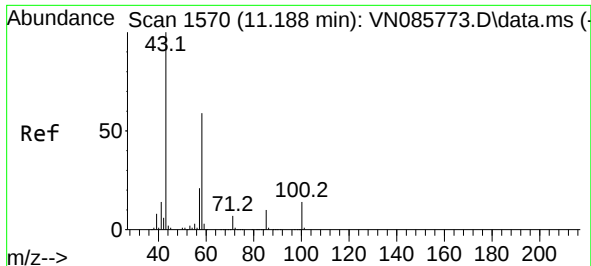
Tgt Ion: 69 Resp: 1352
Ion Ratio Lower Upper
69 100
41 2218.3 46.0 69.0#
39 1049.7 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.336 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion: 76 Resp: 4038
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

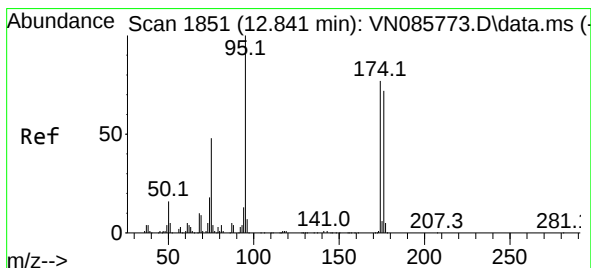
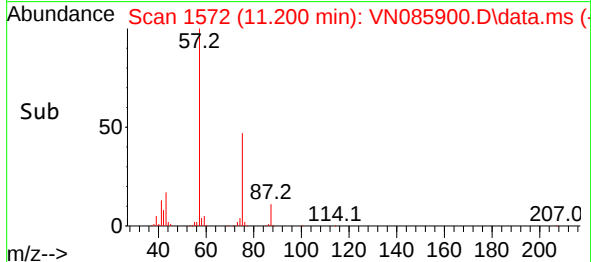
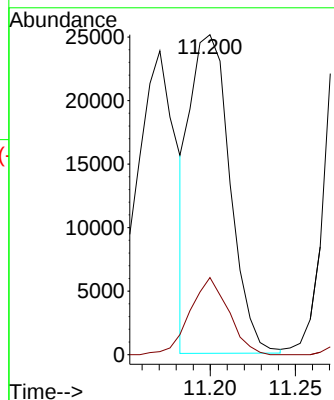
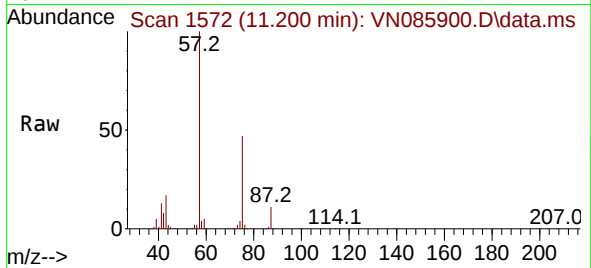




#59
2-Hexanone
Concen: 30.903 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

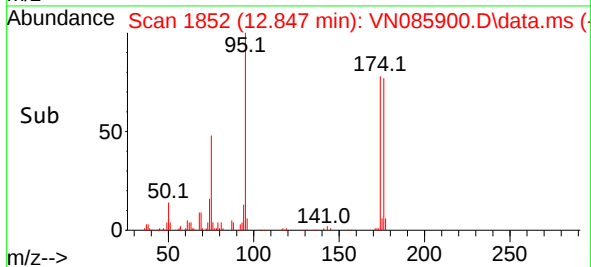
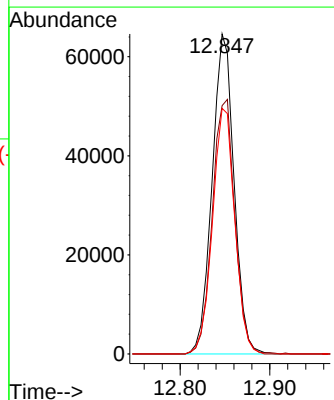
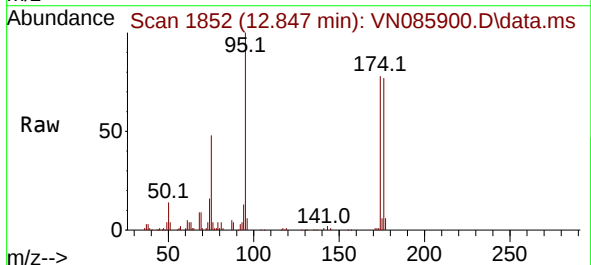
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

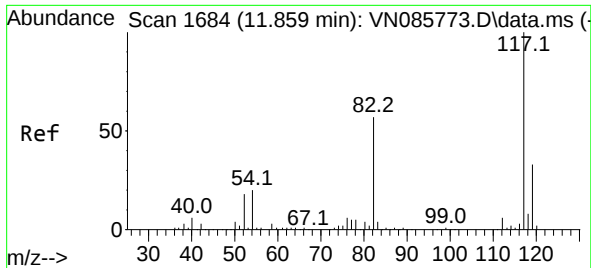
Tgt Ion: 43 Resp: 40896
Ion Ratio Lower Upper
43 100
58 23.4 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 53.357 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion: 95 Resp: 109572
Ion Ratio Lower Upper
95 100
174 82.0 0.0 152.4
176 78.0 0.0 146.6

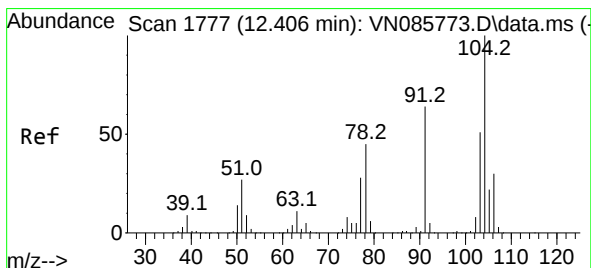
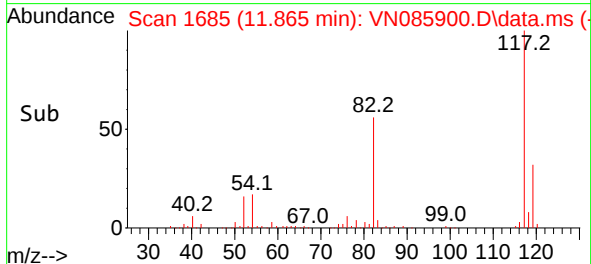
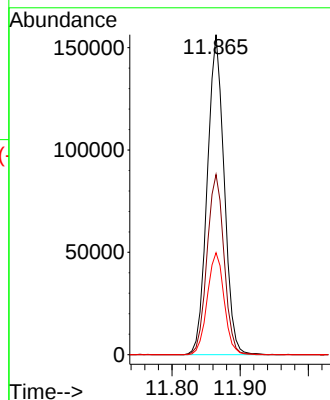
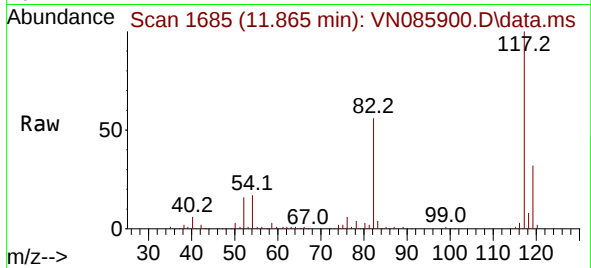




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

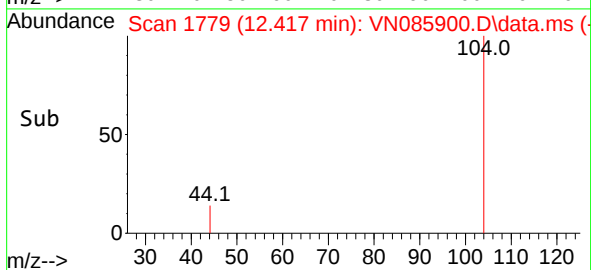
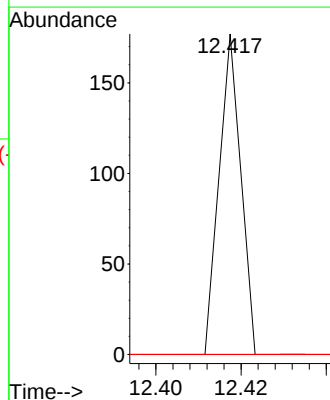
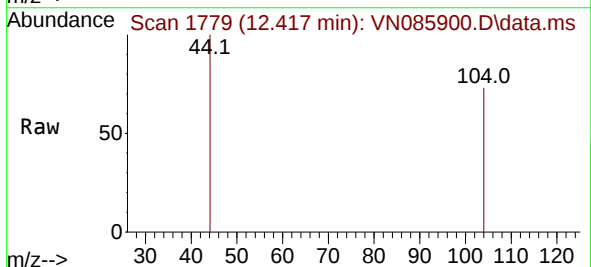
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

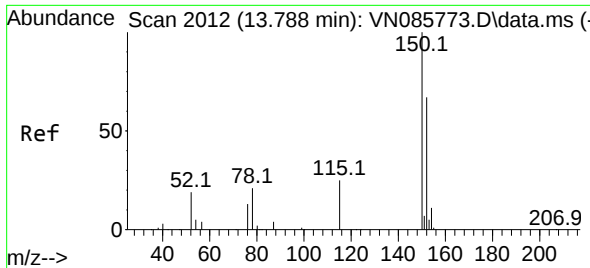
Tgt Ion:117 Resp: 268924
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 31.9 26.2 39.2



#70
Styrene
Concen: 0.595 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.011 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion:104 Resp: 62
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

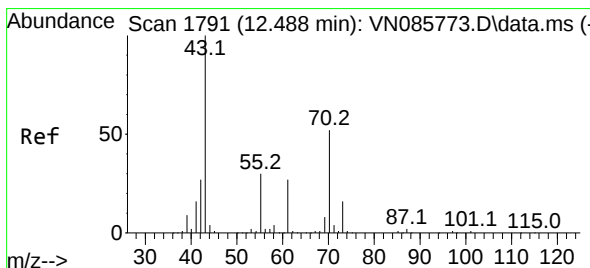
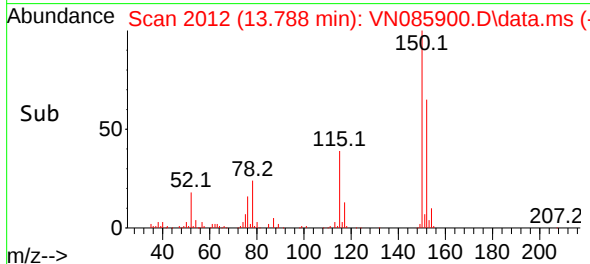
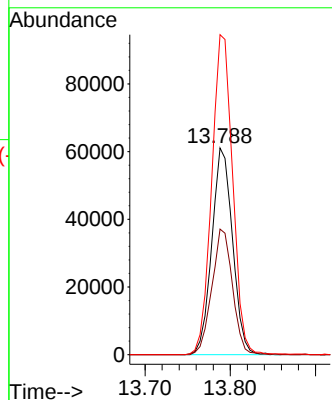
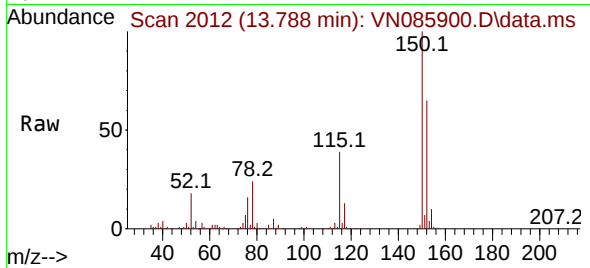




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

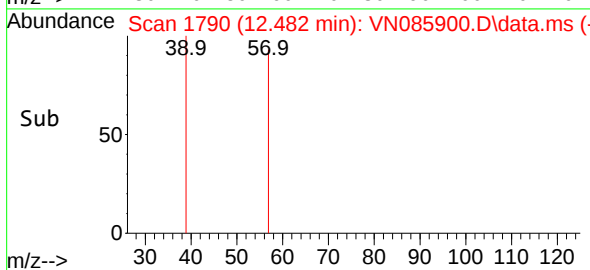
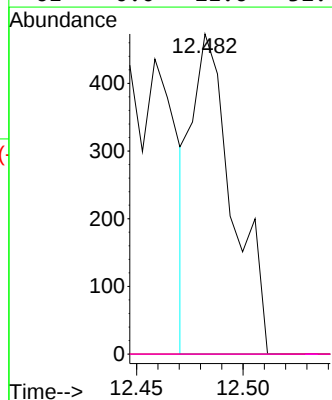
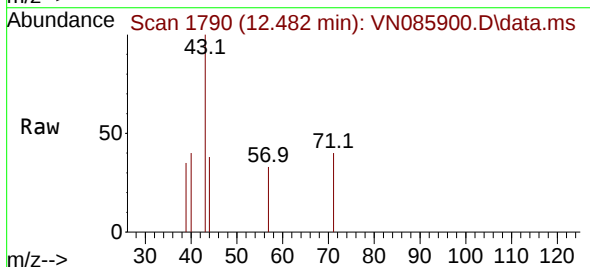
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

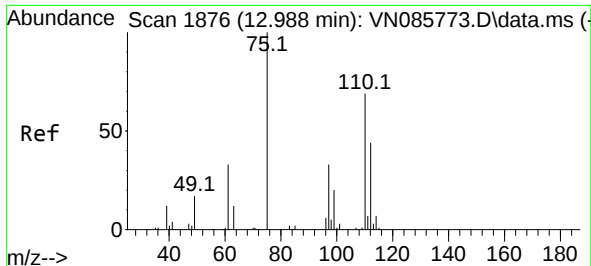
Tgt Ion:152 Resp: 103271
Ion Ratio Lower Upper
152 100
115 60.2 30.4 91.3
150 156.2 0.0 345.4



#74
N-ethyl acetate
Concen: 0.253 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

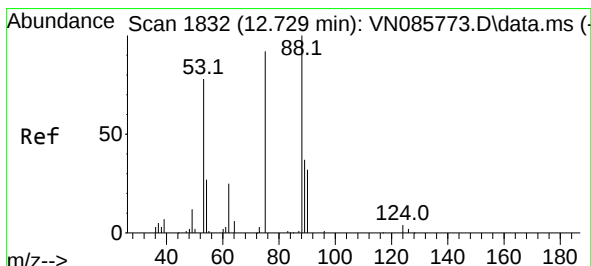
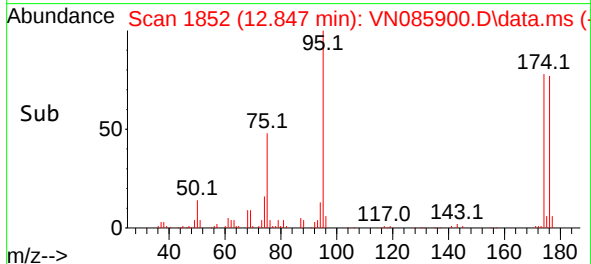
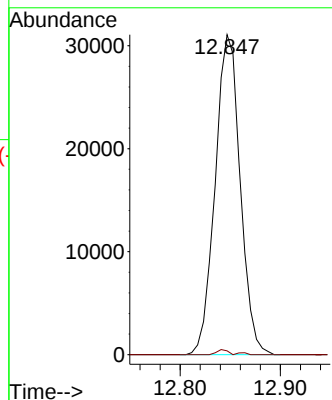
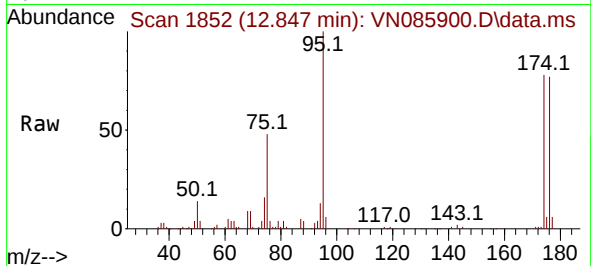




#76
1,2,3-Trichloropropane
Concen: 23.443 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

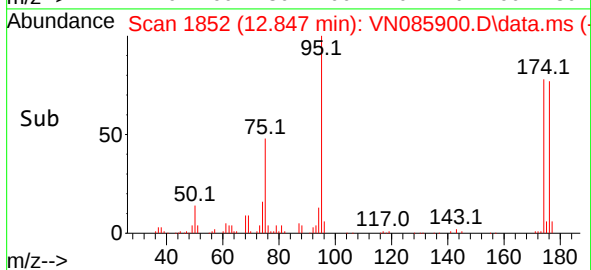
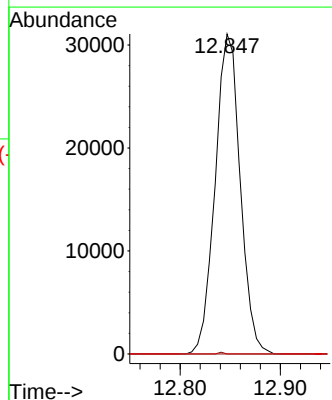
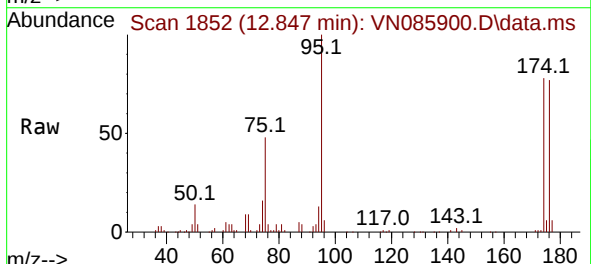
Instrument :
MSVOA_N
ClientSampleId :
PB166989ZHE#02

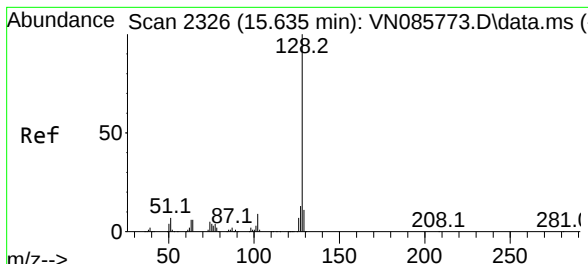
Tgt Ion: 75 Resp: 53778
Ion Ratio Lower Upper
75 100
77 0.9 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.401 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085900.D
Acq: 06 Mar 2025 15:54

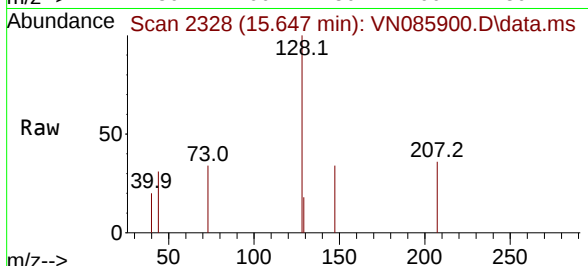
Tgt Ion: 75 Resp: 53778
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#





#95
 Naphthalene
 Concen: 0.336 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085900.D
 Acq: 06 Mar 2025 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166989ZHE#02



Tgt Ion:	128	Resp:	1513
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	3.6	8.7	13.1#

