

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085940.D
 Acq On : 11 Mar 2025 18:40
 Operator : JC\MD
 Sample : PB167050ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#07

Quant Time: Mar 12 01:27:13 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)

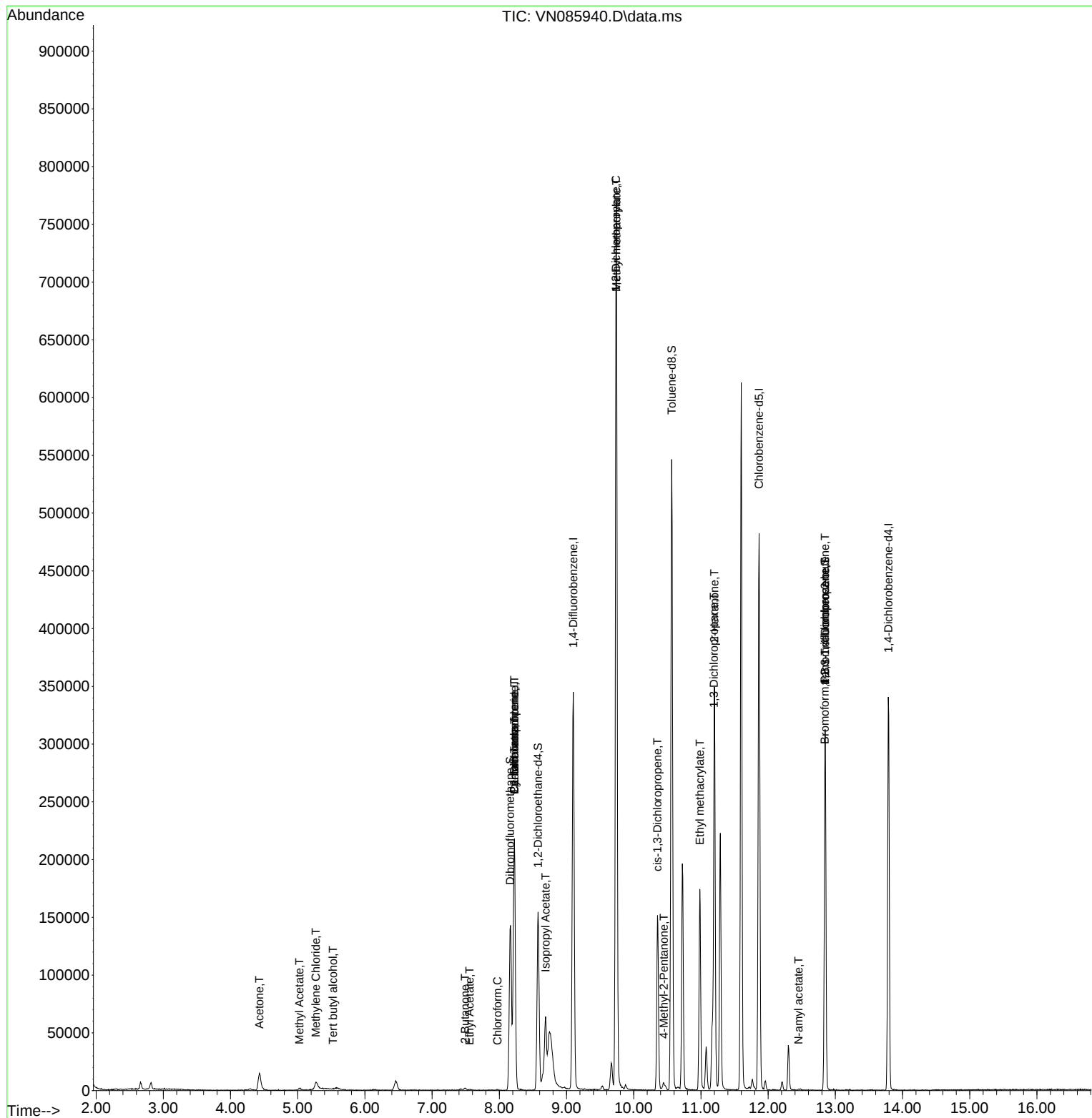
Internal Standards						
1) Pentafluorobenzene	8.224	168	151984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125448	63.666	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 127.340%#	
35) Dibromofluoromethane	8.159	113	103759	53.061	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.120%	
50) Toluene-d8	10.565	98	385323	54.160	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.320%	
62) 4-Bromofluorobenzene	12.847	95	108665	46.357	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	56	0.231	ug/l #	72
16) Acetone	4.430	43	27207	43.638	ug/l #	85
18) Methyl Acetate	5.024	43	1490	0.695	ug/l	90
20) Methylene Chloride	5.271	84	5306	2.646	ug/l	92
25) 2-Butanone	7.489	43	3269	3.564	ug/l	97
30) Chloroform	7.971	83	751	0.214	ug/l #	18
31) Cyclohexane	8.224	56	3135	1.114	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13060	4.719	ug/l #	49
37) Ethyl Acetate	7.559	43	860	0.378	ug/l #	66
38) Carbon Tetrachloride	8.224	117	16602	5.049	ug/l #	17
43) Isopropyl Acetate	8.688	43	75220	18.475	ug/l #	82
45) 1,2-Dichloropropane	9.736	63	1203	0.562	ug/l #	43
48) Methyl methacrylate	9.741	41	68079	40.250	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	6845	3.117	ug/l #	70
54) cis-1,3-Dichloropropene	10.353	75	27576	8.417	ug/l #	67
56) Ethyl methacrylate	10.982	69	1408	0.988	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3592	1.041	ug/l #	42
59) 2-Hexanone	11.200	43	44206	29.264	ug/l #	52
71) Bromoform	12.841	173	421	0.247	ug/l #	27
74) N-amyl acetate	12.453	43	709	0.310	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	55523	26.416	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55523	77.076	ug/l #	13

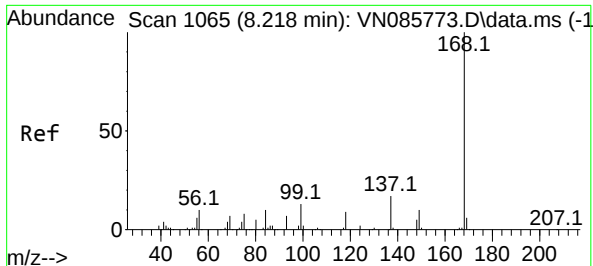
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085940.D
Acq On : 11 Mar 2025 18:40
Operator : JC\MD
Sample : PB167050ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

Quant Time: Mar 12 01:27:13 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

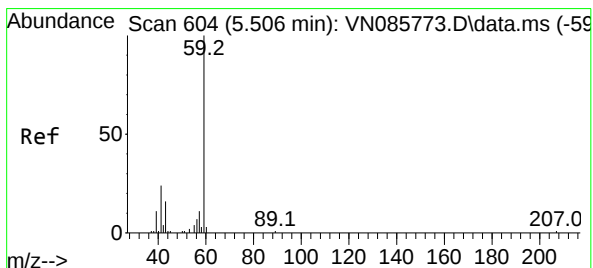
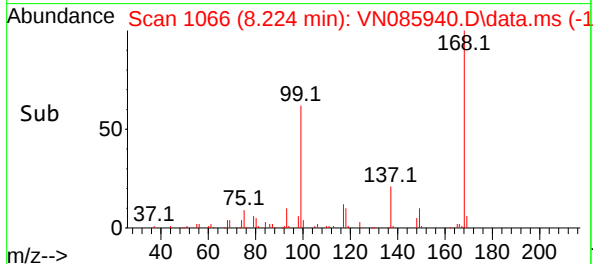
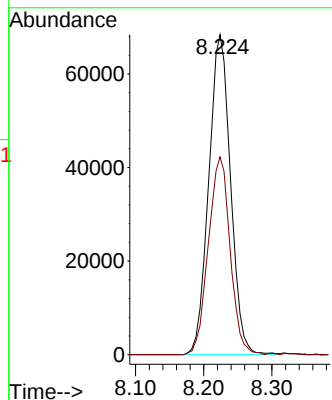
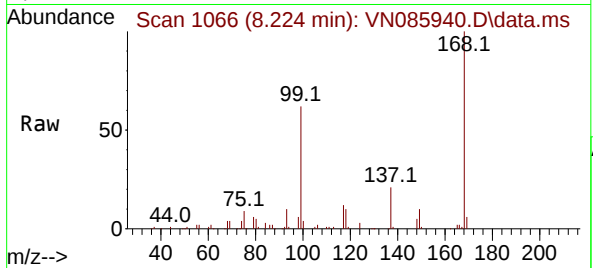




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

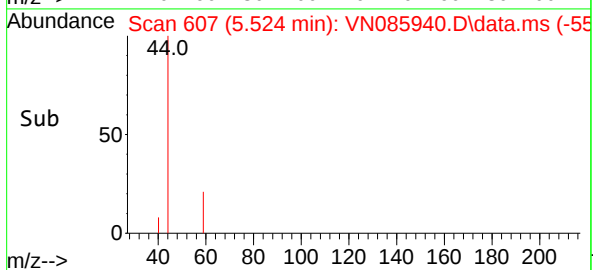
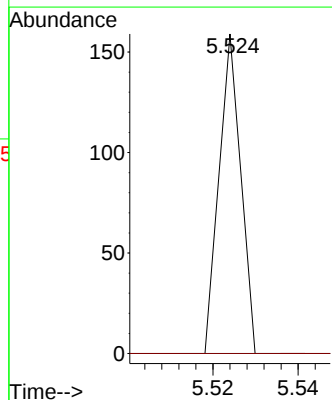
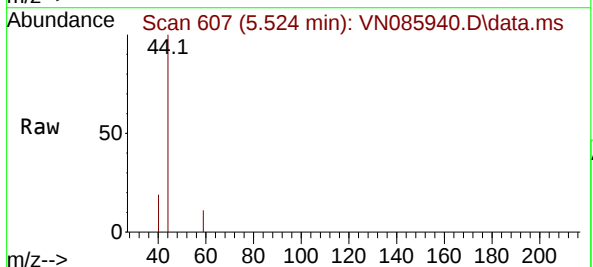
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

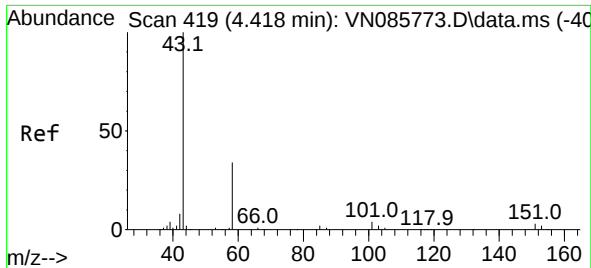
Tgt Ion:168 Resp: 151984
Ion Ratio Lower Upper
168 100
99 61.8 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.231 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

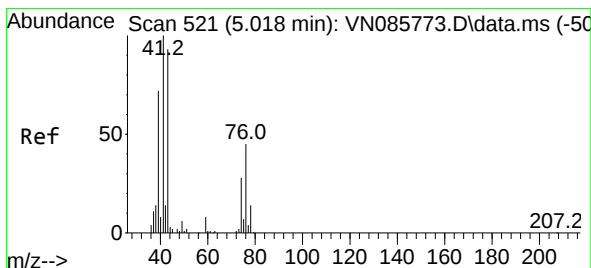
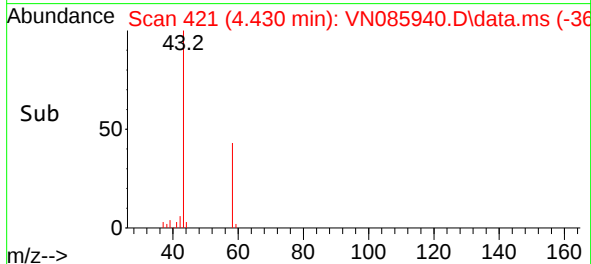
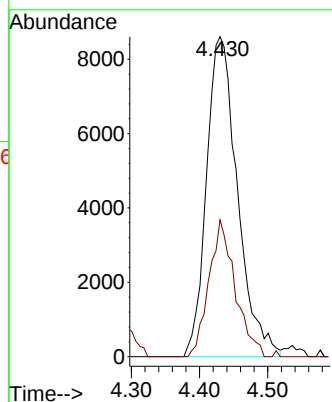
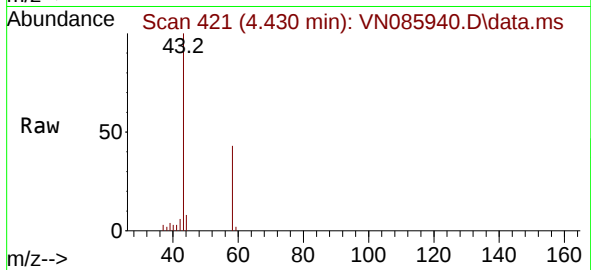




#16
Acetone
Concen: 43.638 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

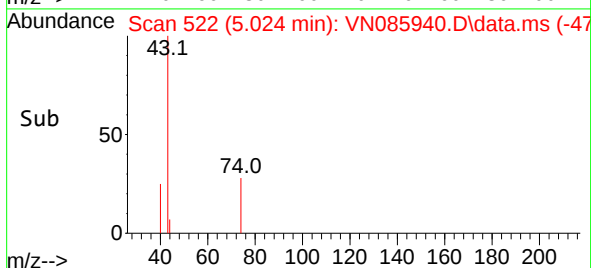
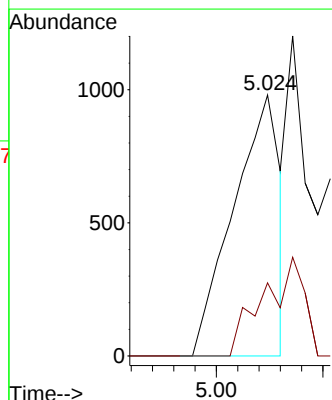
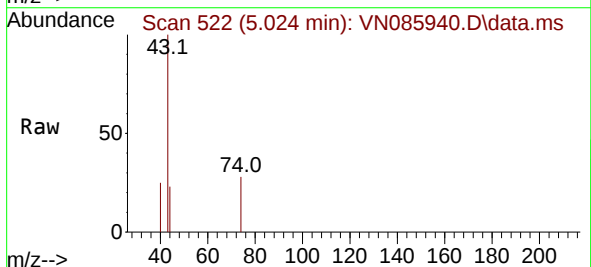
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

Tgt Ion: 43 Resp: 27207
Ion Ratio Lower Upper
43 100
58 42.8 27.5 41.3#



#18
Methyl Acetate
Concen: 0.695 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
74 33.1 22.2 33.4

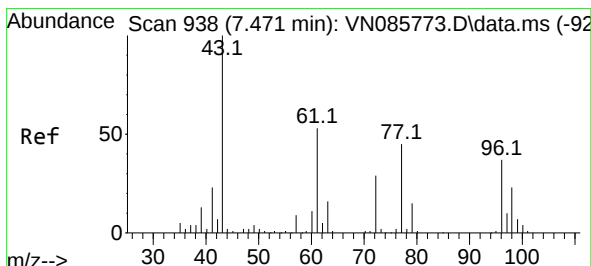
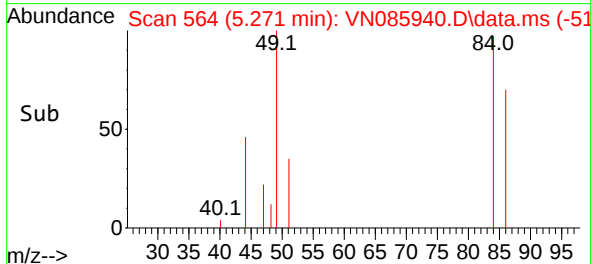
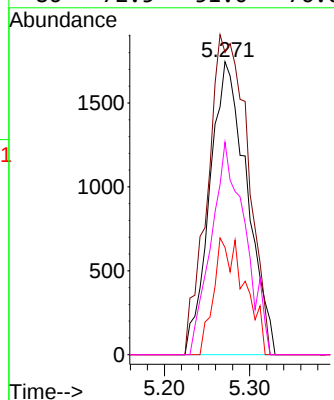
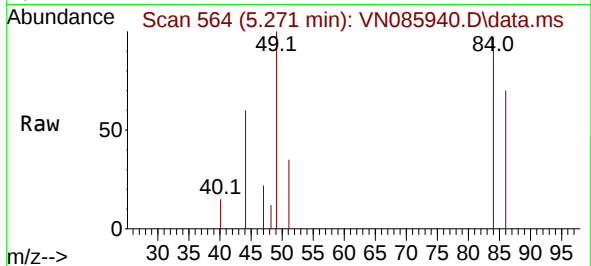




#20
Methylene Chloride
Concen: 2.646 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

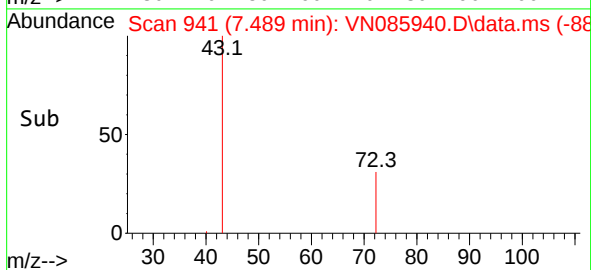
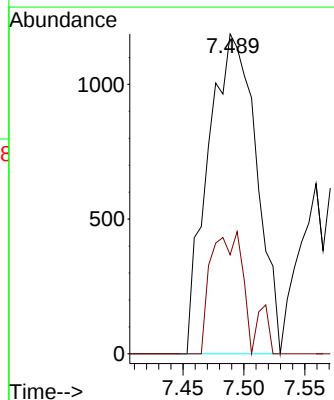
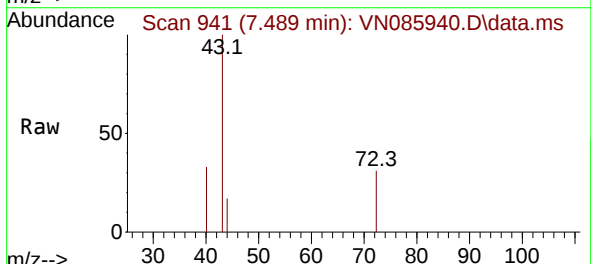
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

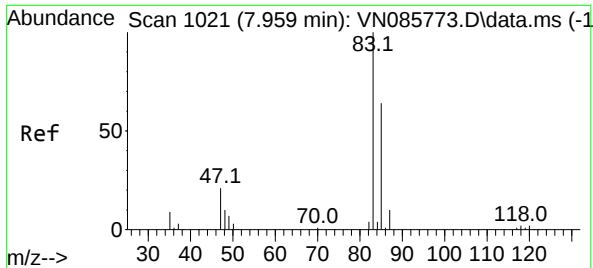
Tgt Ion: 84	Resp:	5306	
Ion	Ratio	Lower	Upper
84	100		
49	103.2	88.4	132.6
51	36.6	26.6	40.0
86	72.5	51.0	76.6



#25
2-Butanone
Concen: 3.564 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 43	Resp:	3269	
Ion	Ratio	Lower	Upper
43	100		
72	31.0	23.6	35.4

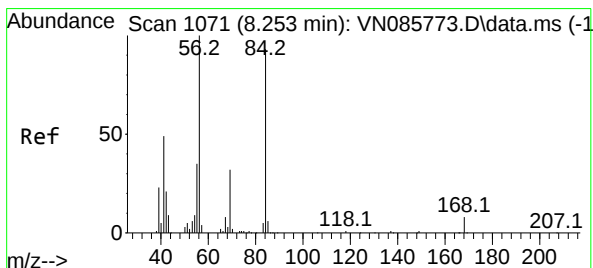
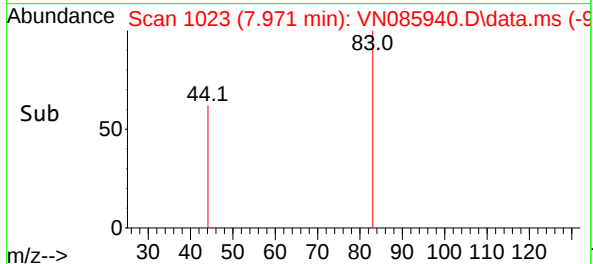
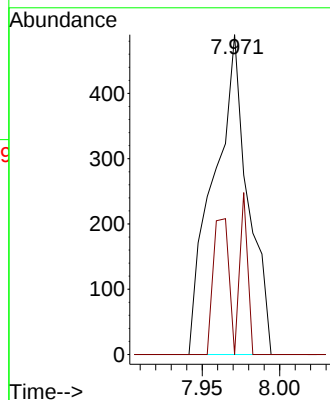
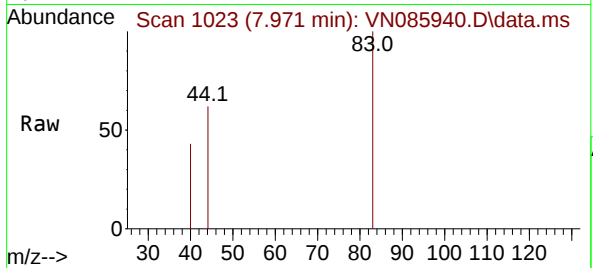




#30
Chloroform
Concen: 0.214 ug/l
RT: 7.971 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

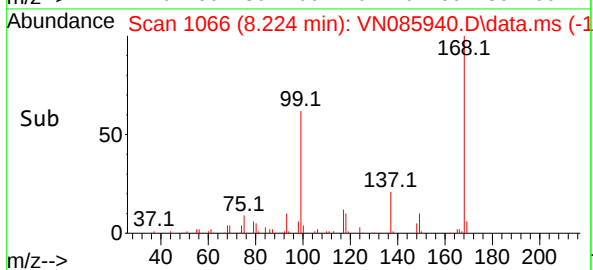
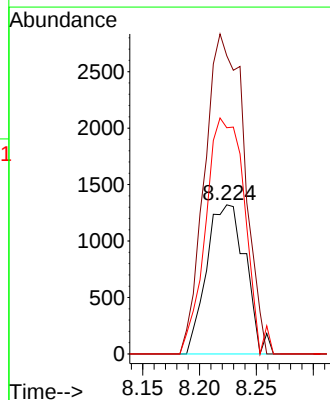
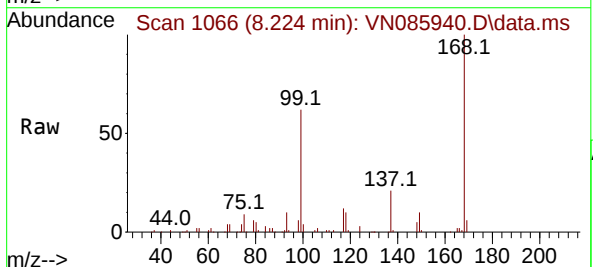
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

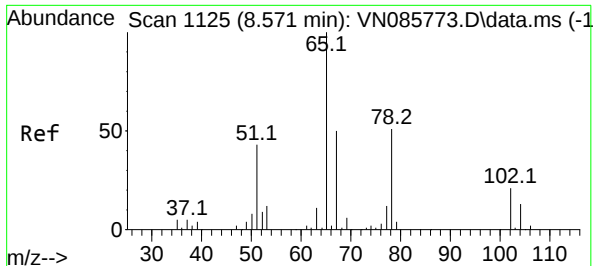
Tgt Ion: 83 Resp: 751
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 56 Resp: 3135
Ion Ratio Lower Upper
56 100
69 199.9 25.8 38.6#
84 151.6 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 63.666 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085940.D

Acq: 11 Mar 2025 18:40

Instrument :

MSVOA_N

ClientSampleId :

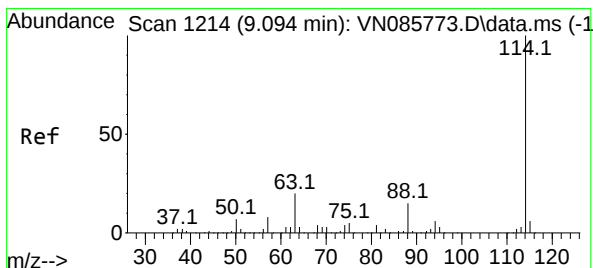
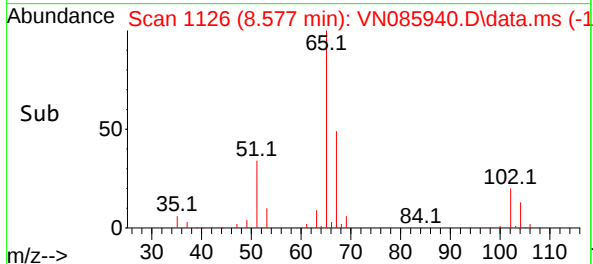
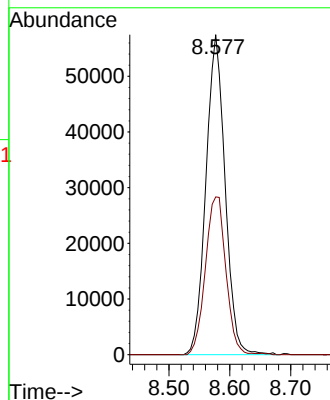
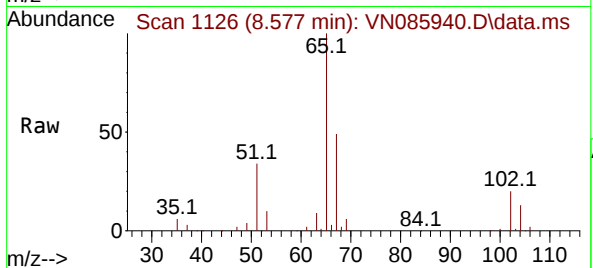
PB167050ZHE#07

Tgt Ion: 65 Resp: 125448

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085940.D

Acq: 11 Mar 2025 18:40

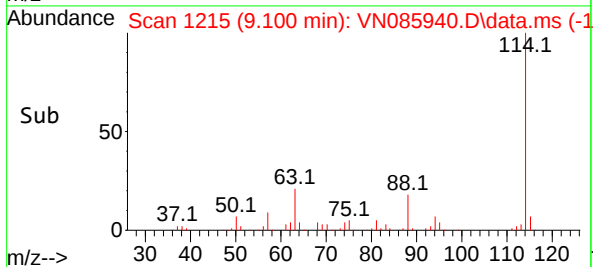
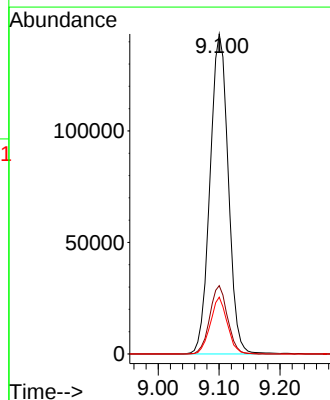
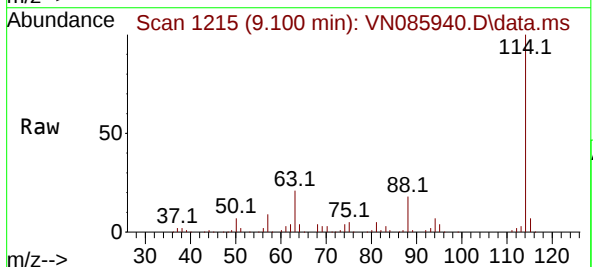
Tgt Ion: 114 Resp: 298839

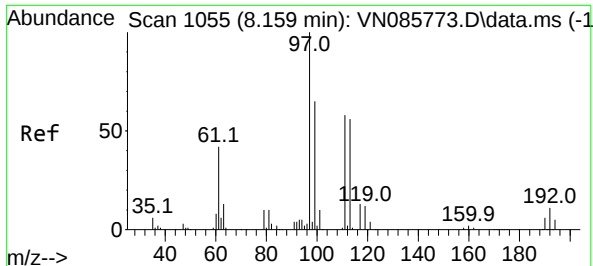
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.2

88 17.7 0.0 30.0

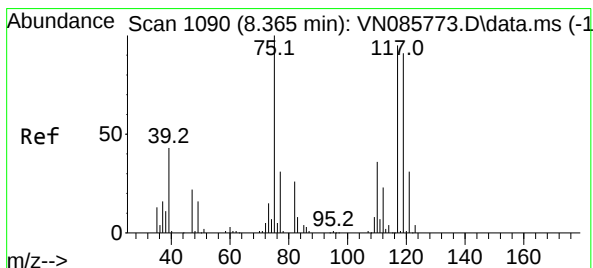
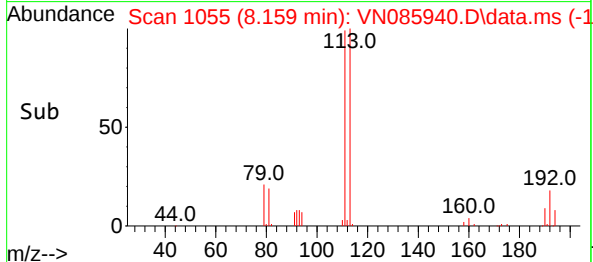
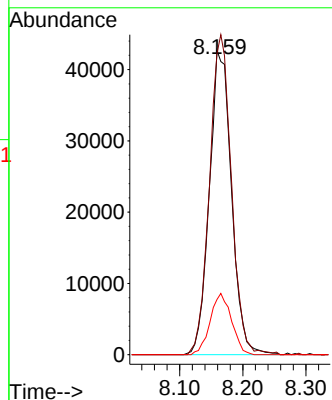
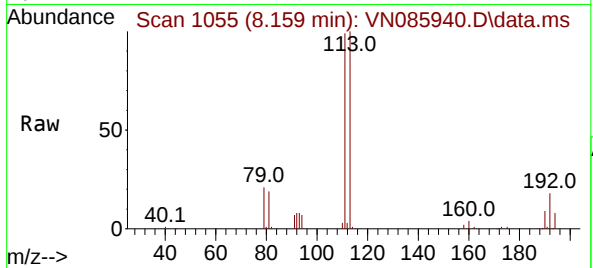




#35
Dibromofluoromethane
Concen: 53.061 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

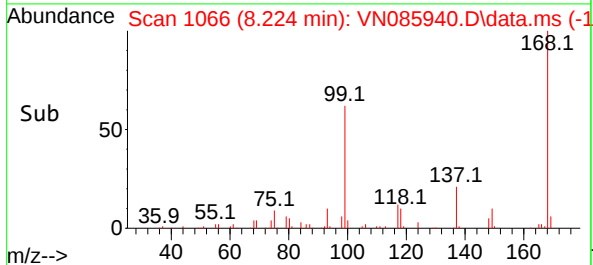
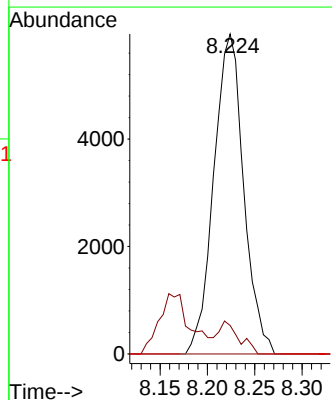
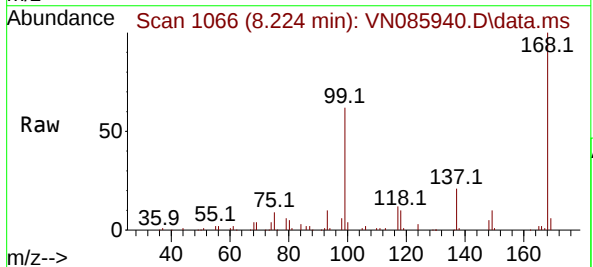
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PB167050ZHE#07

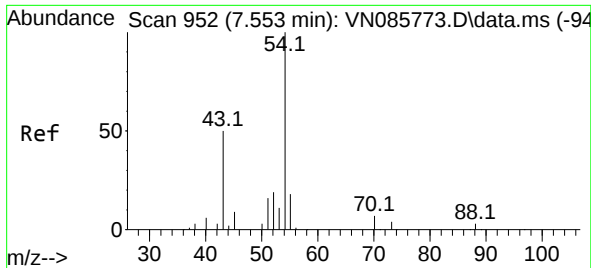
Tgt Ion:113 Resp: 103759
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.4
192 19.4 14.7 22.1



#36
1,1-Dichloropropene
Concen: 4.719 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 75 Resp: 13060
Ion Ratio Lower Upper
75 100
110 7.7 17.3 52.0#
77 0.0 24.6 37.0#

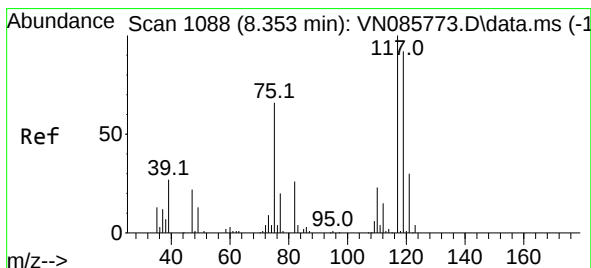
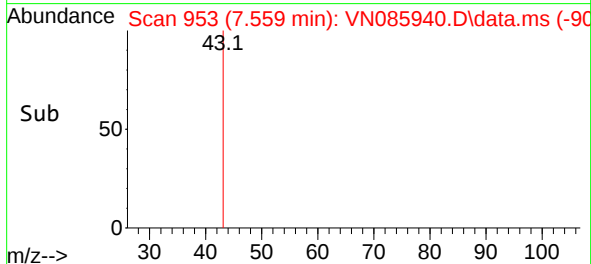
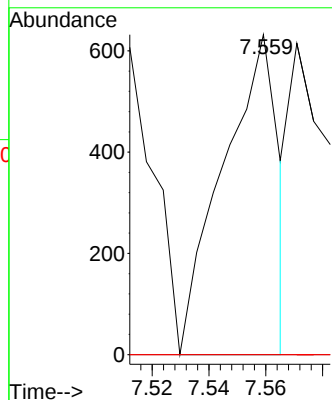
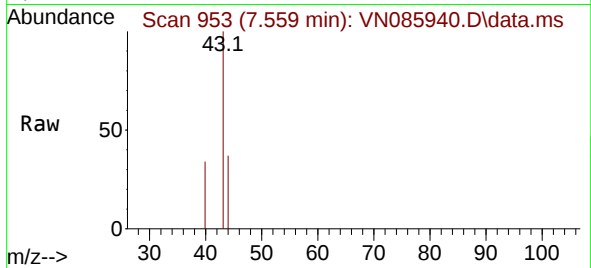




#37
Ethyl Acetate
Concen: 0.378 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

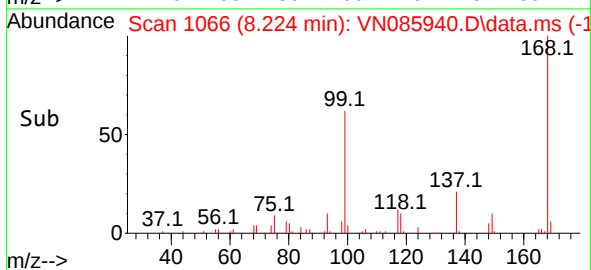
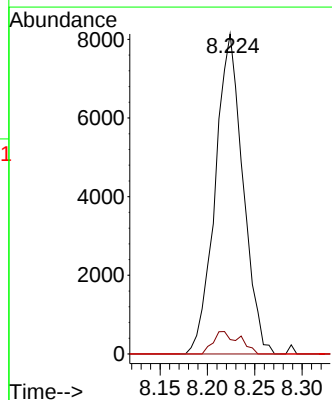
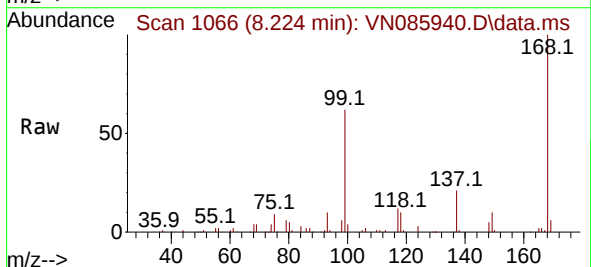
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

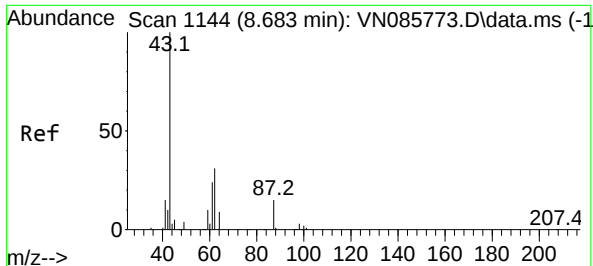
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 5.049 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 117 Resp: 16602
Ion Ratio Lower Upper
117 100
119 4.5 73.8 110.6#
121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: 18.475 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN085940.D

Acq: 11 Mar 2025 18:40

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#07

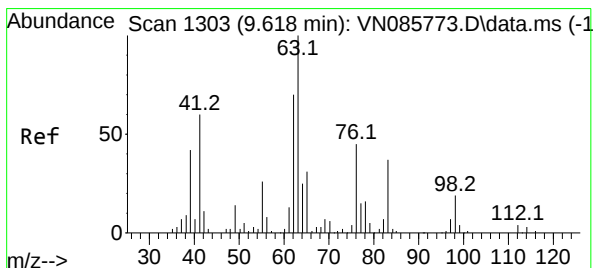
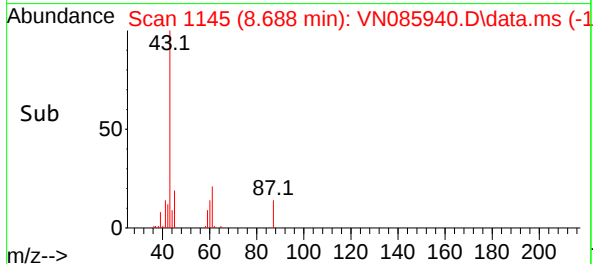
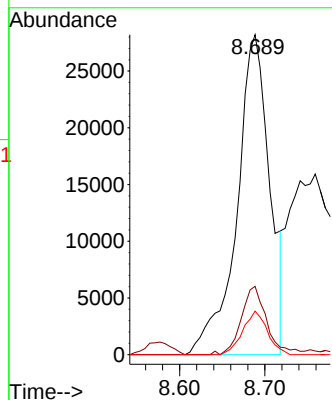
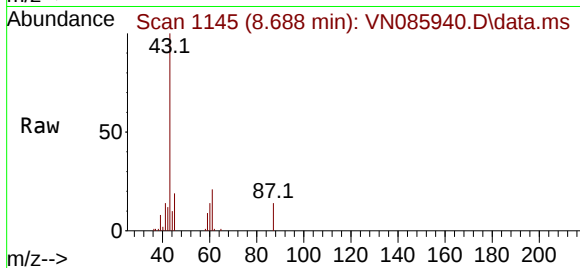
Tgt Ion: 43 Resp: 75220

Ion Ratio Lower Upper

43 100

61 16.8 22.6 34.0#

87 10.2 11.8 17.8#



#45

1,2-Dichloropropane

Concen: 0.562 ug/l

RT: 9.736 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN085940.D

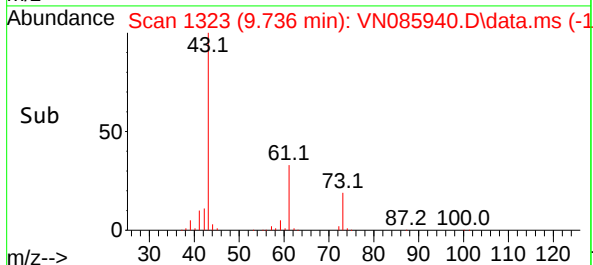
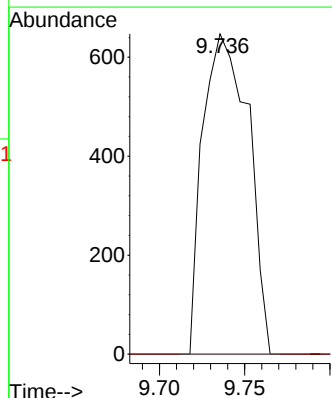
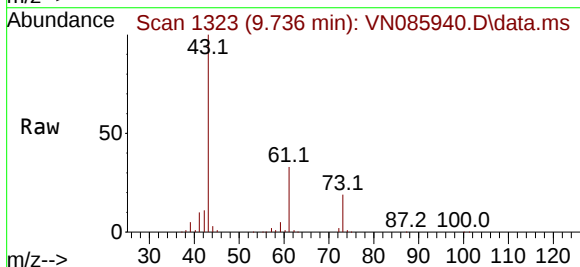
Acq: 11 Mar 2025 18:40

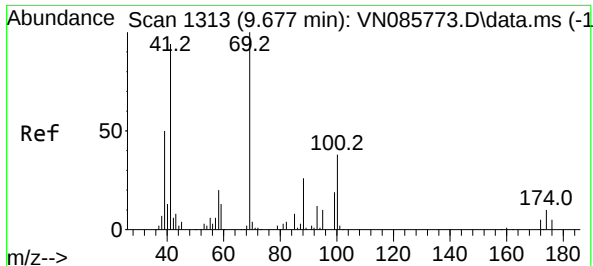
Tgt Ion: 63 Resp: 1203

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 40.250 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN085940.D

Acq: 11 Mar 2025 18:40

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#07

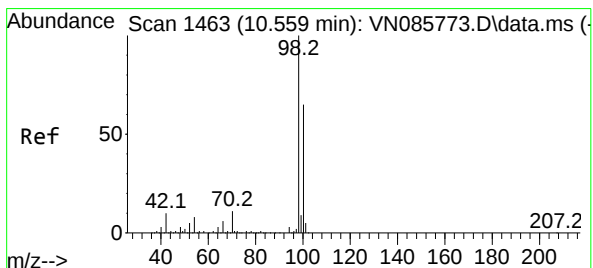
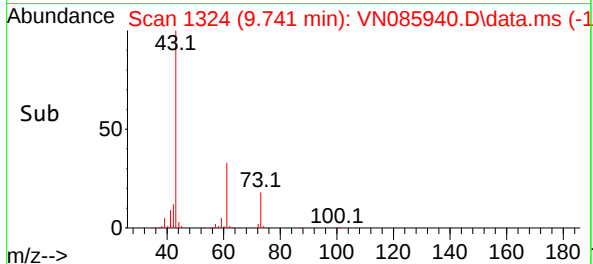
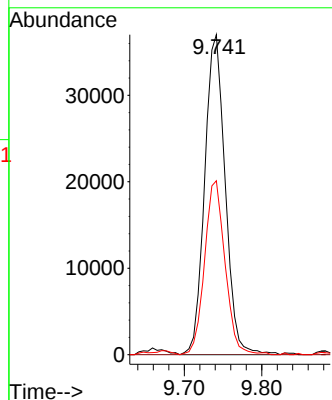
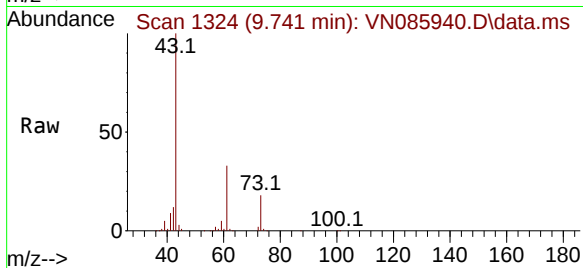
Tgt Ion: 41 Resp: 68079

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 54.3 42.3 63.5



#50

Toluene-d8

Concen: 54.160 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085940.D

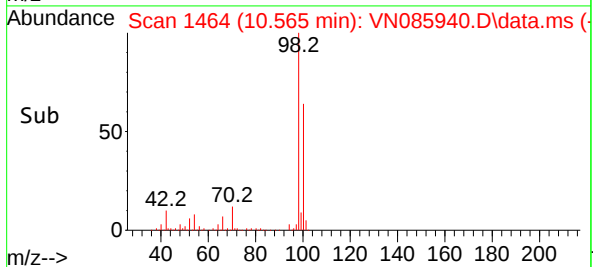
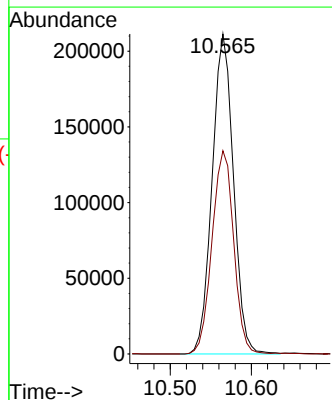
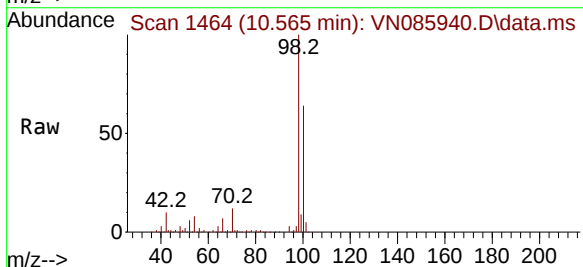
Acq: 11 Mar 2025 18:40

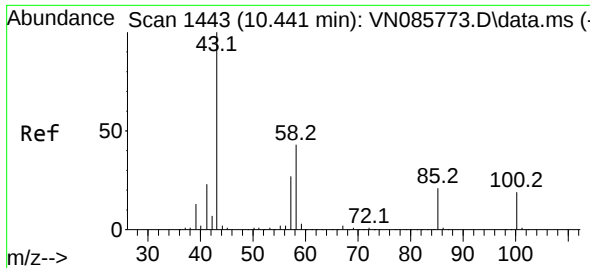
Tgt Ion: 98 Resp: 385323

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1

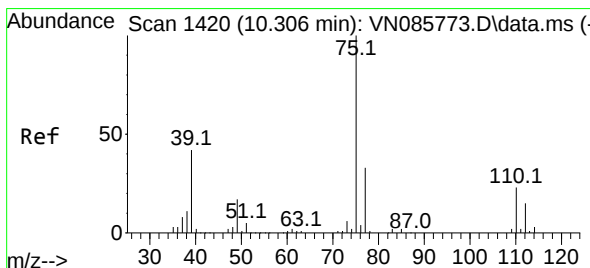
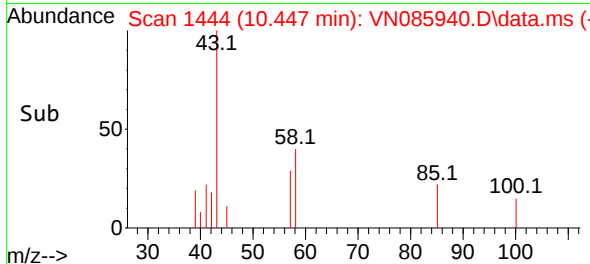
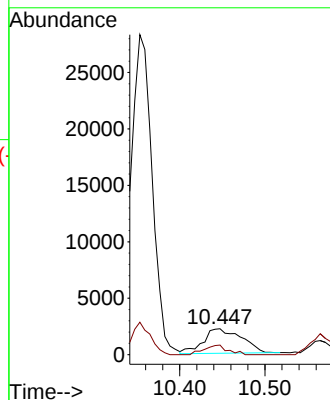
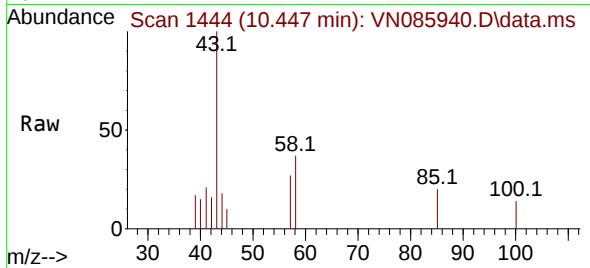




#51
4-Methyl-2-Pentanone
Concen: 3.117 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

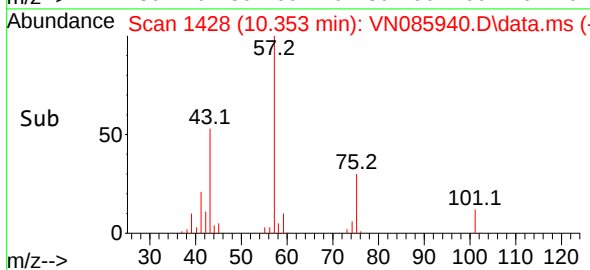
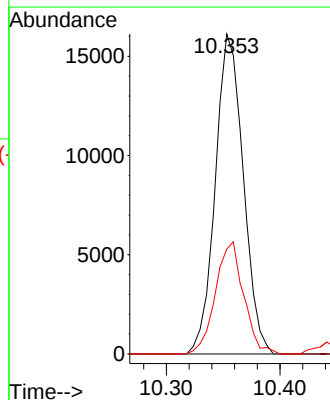
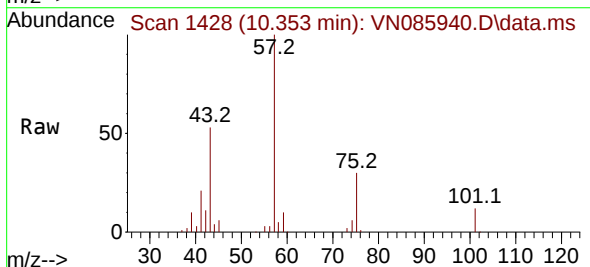
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

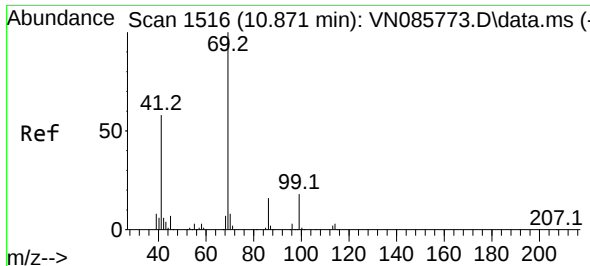
Tgt Ion: 43 Resp: 6845
Ion Ratio Lower Upper
43 100
58 23.8 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 8.417 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 75 Resp: 27576
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 32.7 33.4 50.0#

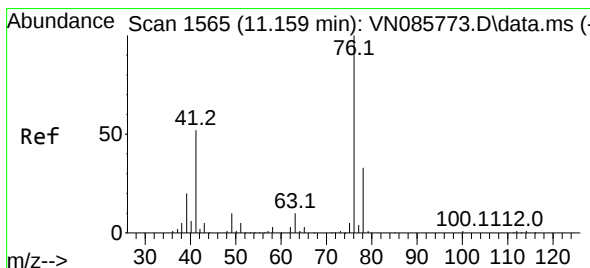
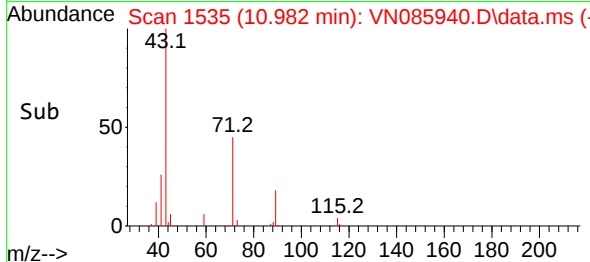
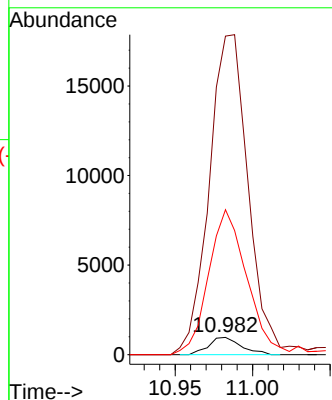
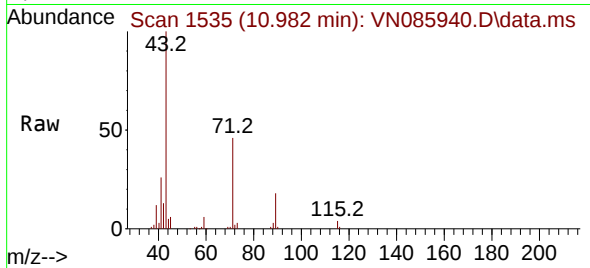




#56
Ethyl methacrylate
Concen: 0.988 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

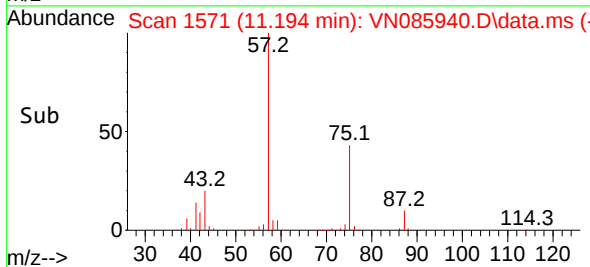
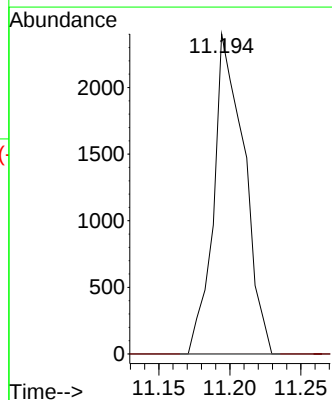
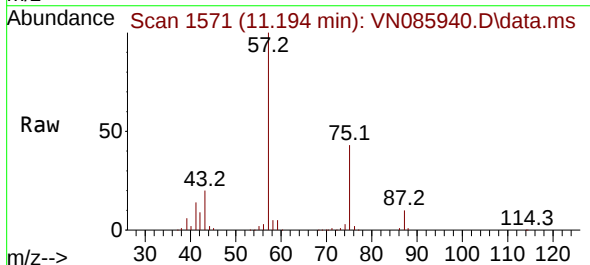
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

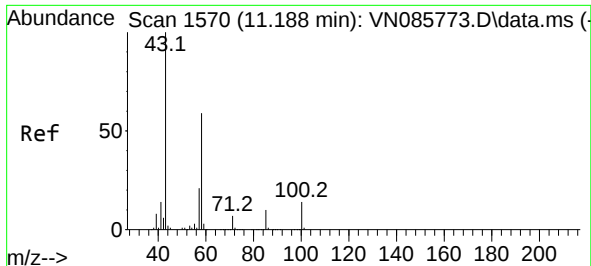
Tgt Ion: 69 Resp: 1408
Ion Ratio Lower Upper
69 100
41 2225.6 46.0 69.0#
39 982.0 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.041 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 76 Resp: 3592
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

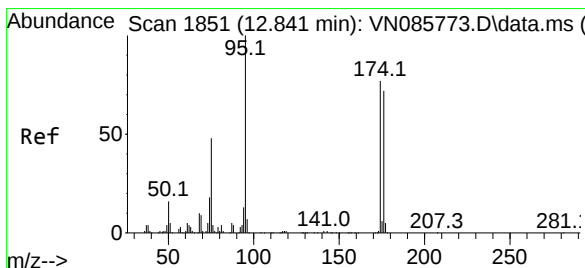
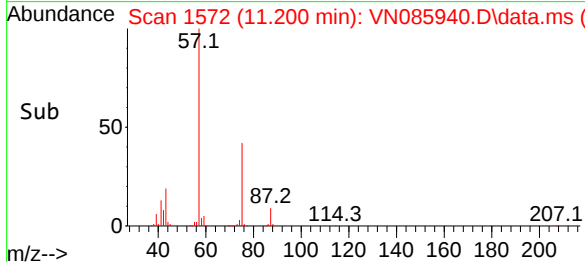
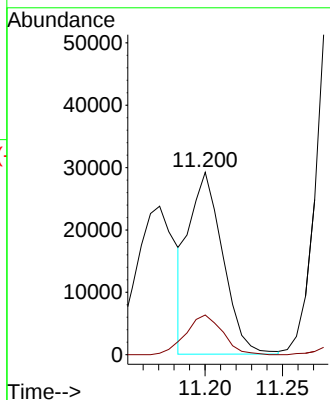
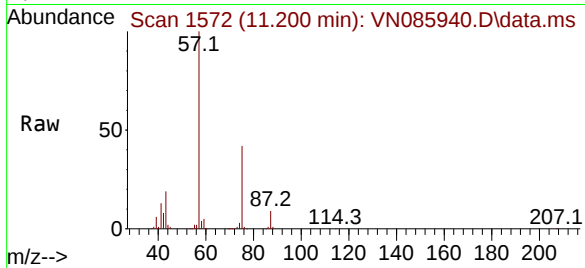




#59
2-Hexanone
Concen: 29.264 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

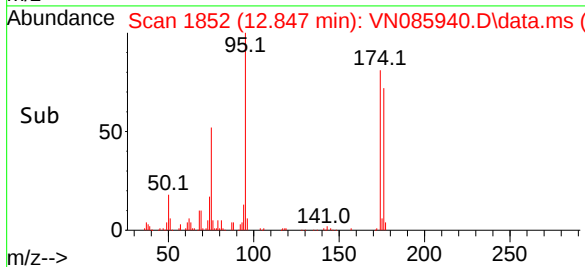
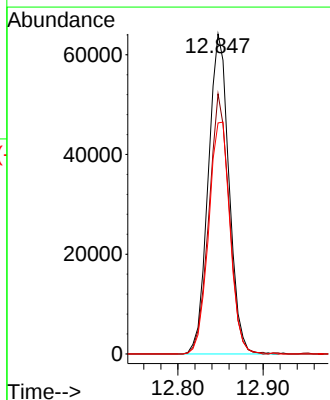
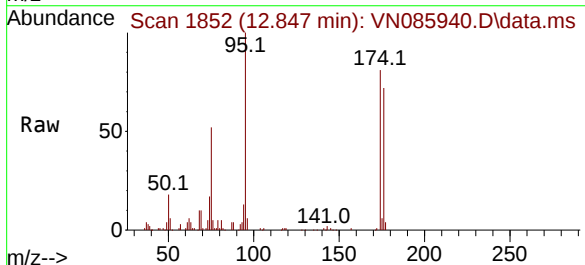
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

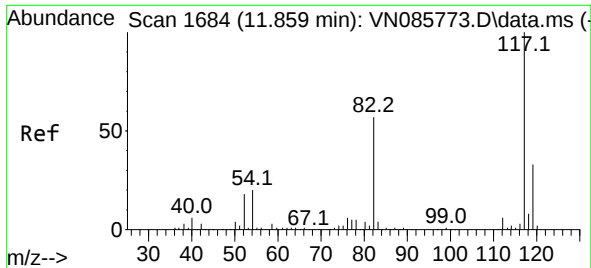
Tgt Ion: 43 Resp: 44206
Ion Ratio Lower Upper
43 100
58 23.8 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 46.357 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 95 Resp: 108665
Ion Ratio Lower Upper
95 100
174 79.7 0.0 152.4
176 74.9 0.0 146.6

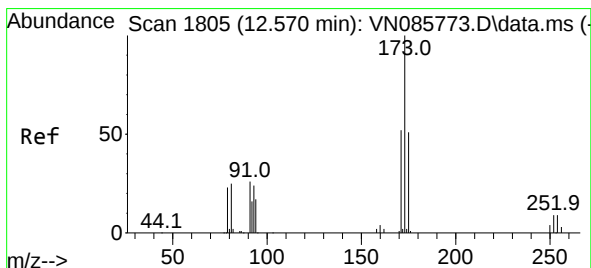
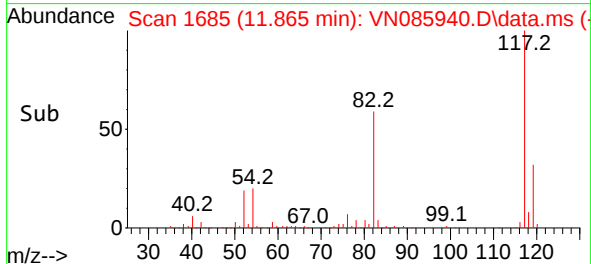
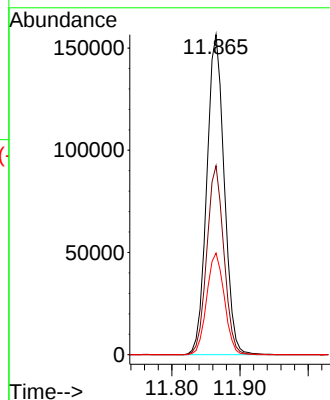
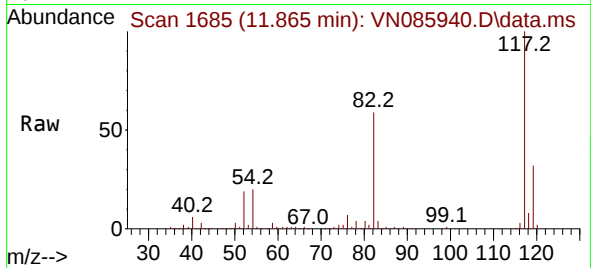




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

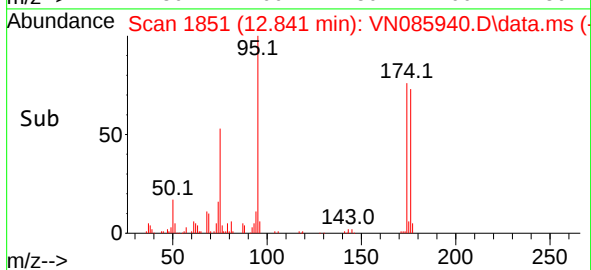
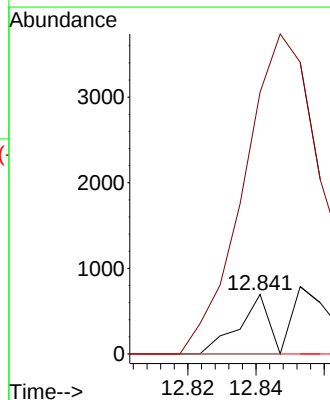
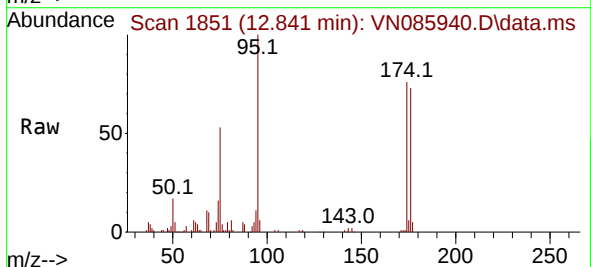
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

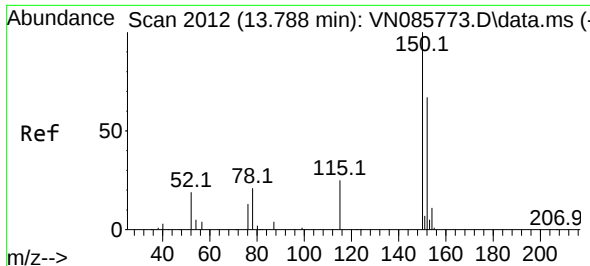
Tgt Ion:117 Resp: 278612
Ion Ratio Lower Upper
117 100
82 59.1 45.7 68.5
119 31.7 26.2 39.2



#71
Bromoform
Concen: 0.247 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.271 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion:173 Resp: 421
Ion Ratio Lower Upper
173 100
175 0.0 25.1 75.4#
254 0.0 0.0 0.0

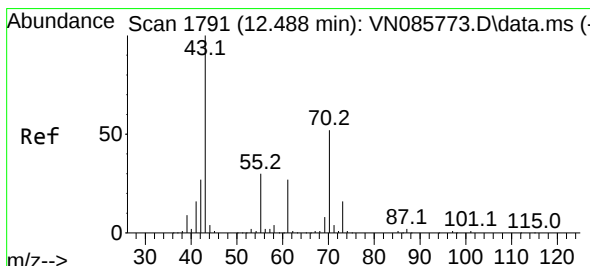
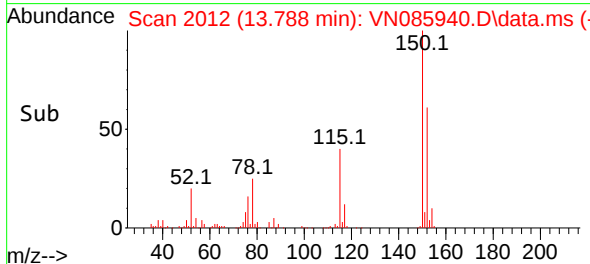
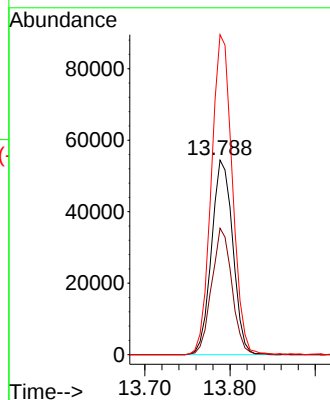
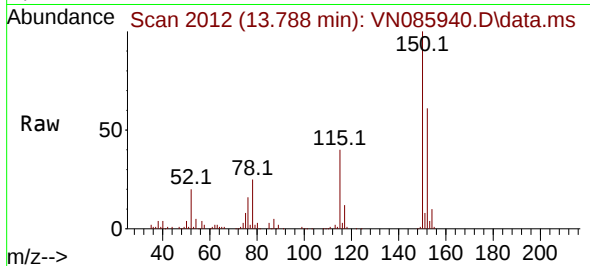




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

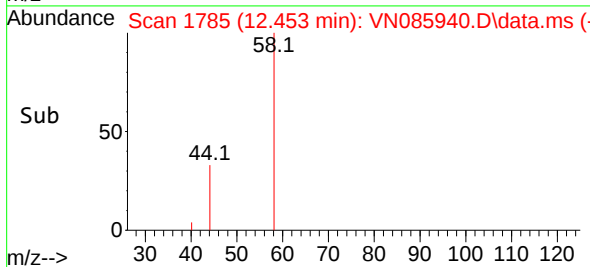
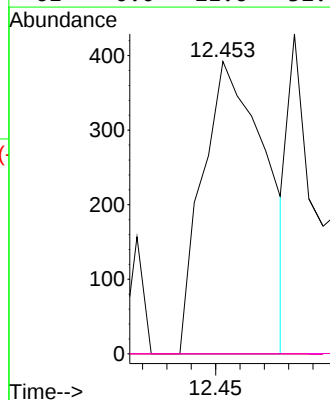
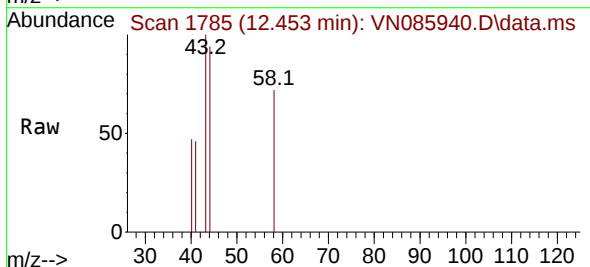
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

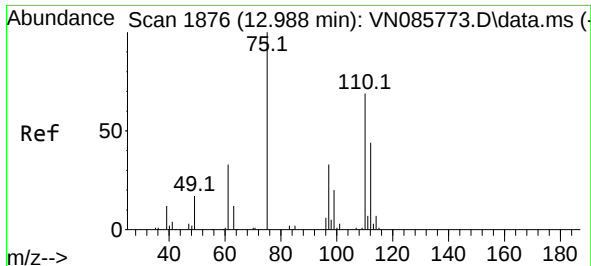
Tgt Ion:152 Resp: 94621
Ion Ratio Lower Upper
152 100
115 62.1 30.4 91.3
150 162.2 0.0 345.4



#74
N-ethyl acetate
Concen: 0.310 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 43 Resp: 709
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#

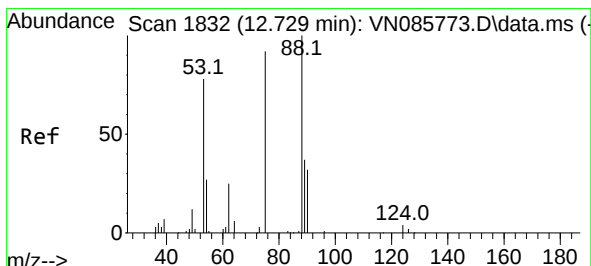
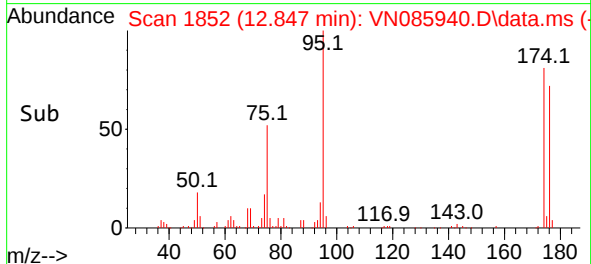
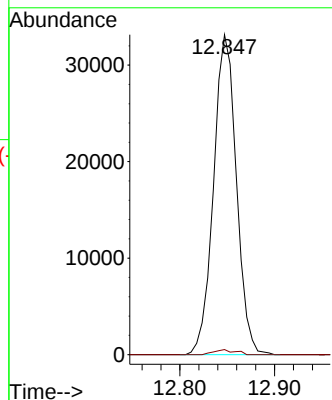
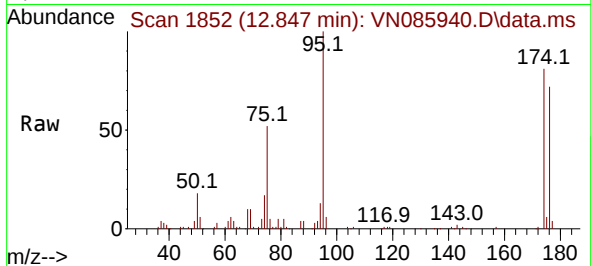




#76
1,2,3-Trichloropropane
Concen: 26.416 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#07

Tgt Ion: 75 Resp: 55523
Ion Ratio Lower Upper
75 100
77 1.5 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.076 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085940.D
Acq: 11 Mar 2025 18:40

Tgt Ion: 75 Resp: 55523
Ion Ratio Lower Upper
75 100
53 0.3 74.2 111.4#
89 0.0 34.9 52.3#

