

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085601.D
 Acq On : 31 Jan 2025 14:51
 Operator : JC\MD
 Sample : PB166357ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#06

Quant Time: Jan 31 22:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

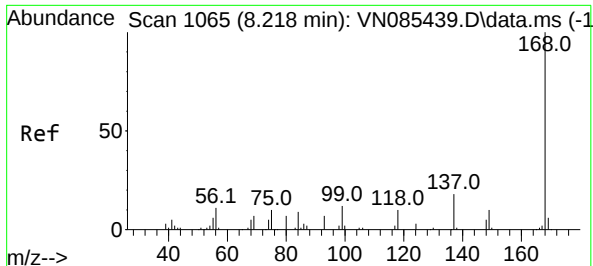
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	165172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154187	57.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.660%			
35) Dibromofluoromethane	8.165	113	116336	50.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.400%			
50) Toluene-d8	10.565	98	433259	52.623	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.847	95	131348	46.637	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.280%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	427	0.290	ug/l #	58
16) Acetone	4.424	43	32077	37.235	ug/l	96
18) Methyl Acetate	5.030	43	2831	1.081	ug/l #	70
20) Methylene Chloride	5.265	84	5599	2.625	ug/l #	79
25) 2-Butanone	7.494	43	5139	4.054	ug/l	95
28) Bromochloromethane	7.953	49	396	0.219	ug/l #	18
29) Tetrahydrofuran	7.830	42	194	0.241	ug/l #	34
30) Chloroform	7.971	83	6298	1.565	ug/l	84
31) Cyclohexane	8.218	56	4332	1.280	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15944	4.902	ug/l #	49
37) Ethyl Acetate	7.559	43	3708	1.130	ug/l #	81
38) Carbon Tetrachloride	8.224	117	18621	5.001	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	1004	0.273	ug/l #	76
43) Isopropyl Acetate	8.688	43	200703	38.156	ug/l #	82
45) 1,2-Dichloropropane	9.730	63	1612	0.646	ug/l #	43
48) Methyl methacrylate	9.741	41	146128	61.732	ug/l #	47
49) 1,4-Dioxane	9.735	88	54	1.355	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6576	2.154	ug/l	98
53) t-1,3-Dichloropropene	10.724	75	734	0.212	ug/l	94
54) cis-1,3-Dichloropropene	10.353	75	44687	12.065	ug/l #	71
56) Ethyl methacrylate	10.982	69	2378	2.537	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6896	1.770	ug/l #	43
59) 2-Hexanone	11.200	43	83719	38.980	ug/l #	59
71) Bromoform	12.841	173	1314	0.716	ug/l #	1
74) N-amyl acetate	12.482	43	1498	0.423	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73117	30.786	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73117	83.295	ug/l #	3

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

Quant Time: Jan 31 22:29:16 2025
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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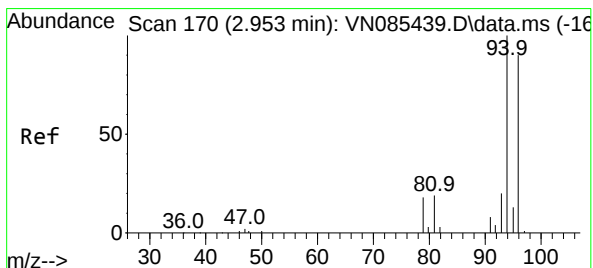
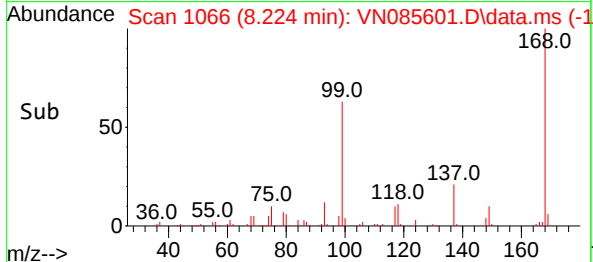
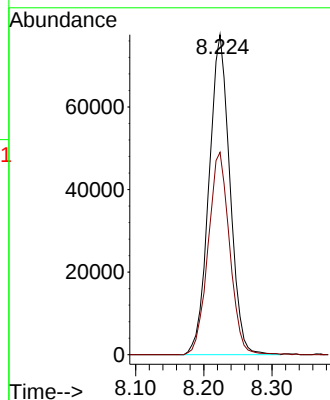
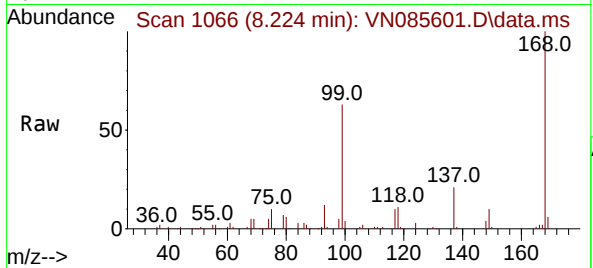




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

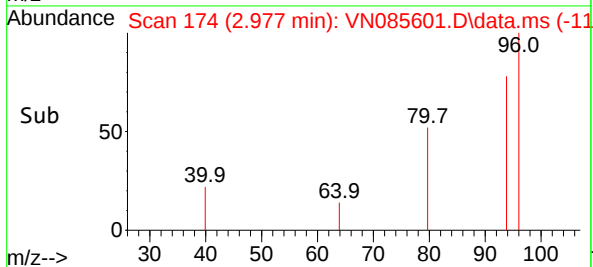
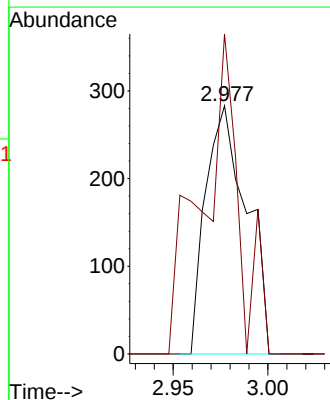
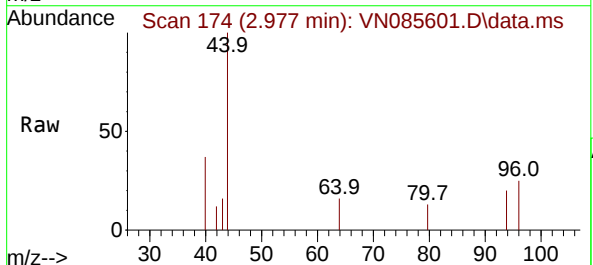
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#06

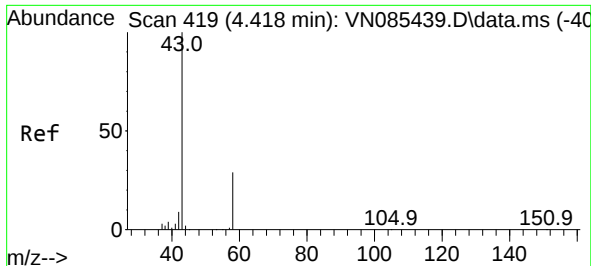
Tgt Ion:168 Resp: 165172
Ion Ratio Lower Upper
168 100
99 63.3 53.6 80.4



#5
Bromomethane
Concen: 0.290 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

Tgt Ion: 94 Resp: 427
Ion Ratio Lower Upper
94 100
96 129.0 71.8 107.6#

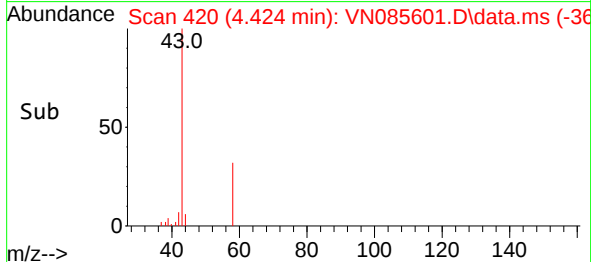
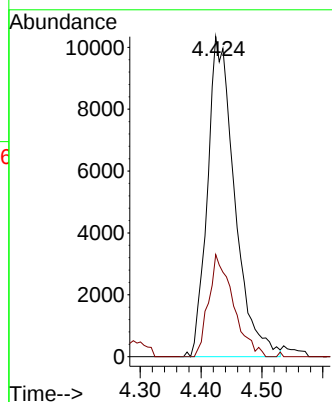
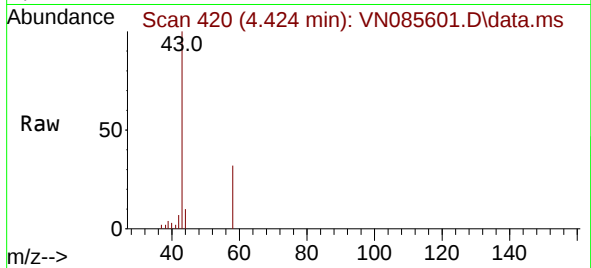




#16
Acetone
Concen: 37.235 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

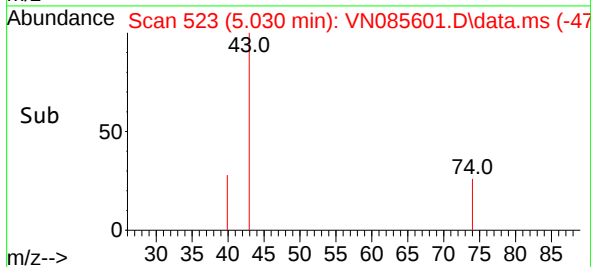
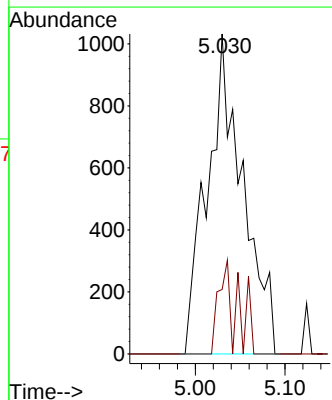
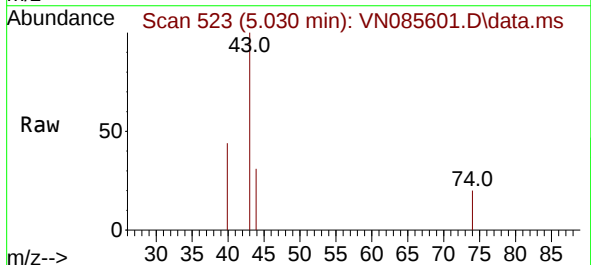
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#06

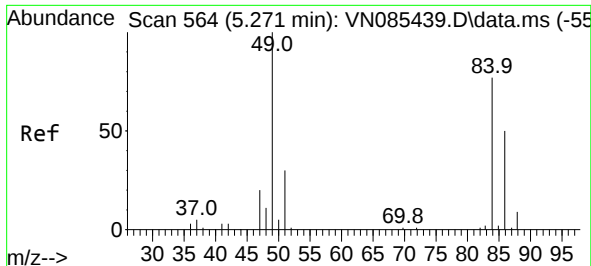
Tgt Ion: 43 Resp: 32077
Ion Ratio Lower Upper
43 100
58 31.9 23.8 35.6



#18
Methyl Acetate
Concen: 1.081 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

Tgt Ion: 43 Resp: 2831
Ion Ratio Lower Upper
43 100
74 8.9 18.6 28.0#

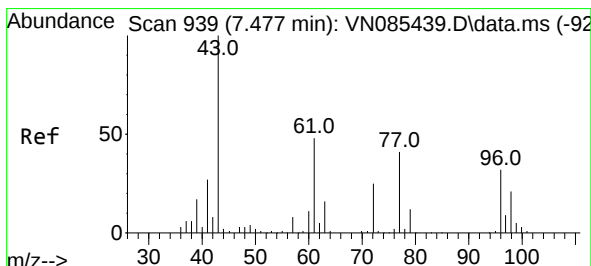
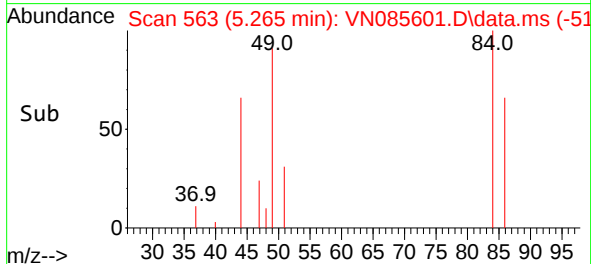
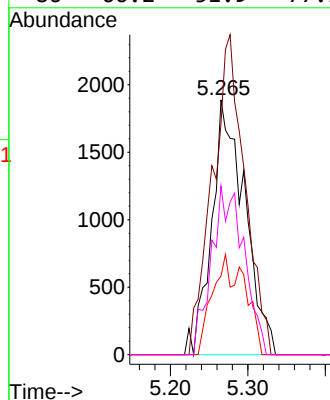
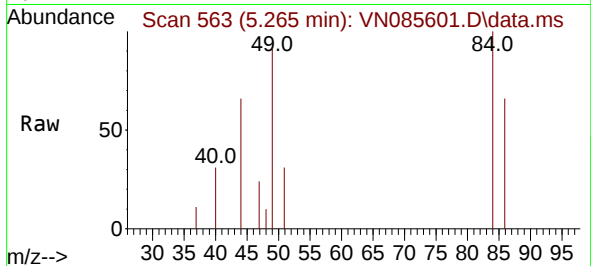




#20
Methylene Chloride
Concen: 2.625 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

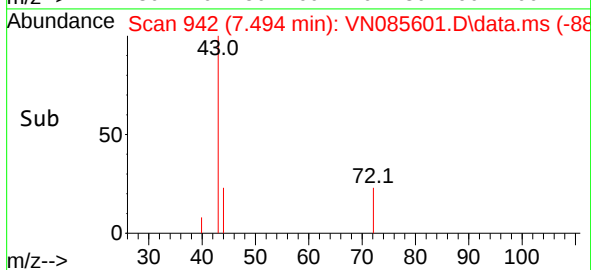
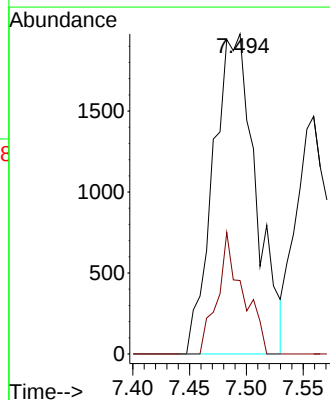
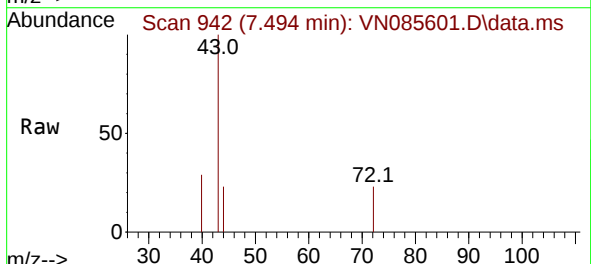
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#06

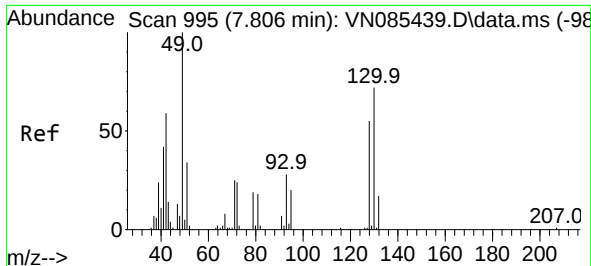
Tgt Ion:	84	Resp:	5599
Ion	Ratio	Lower	Upper
84	100		
49	90.7	104.1	156.1#
51	30.8	31.0	46.4#
86	66.2	51.9	77.9



#25
2-Butanone
Concen: 4.054 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

Tgt Ion:	43	Resp:	5139
Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.2	30.4

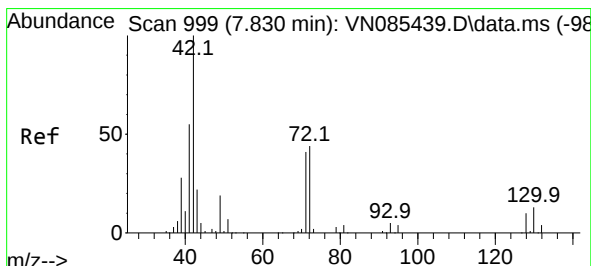
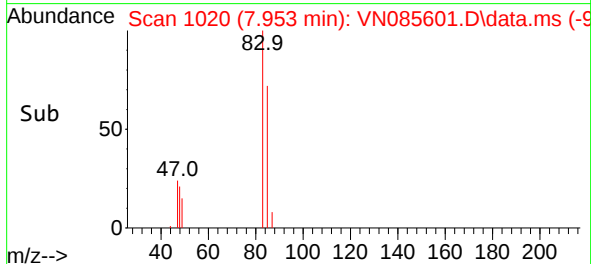
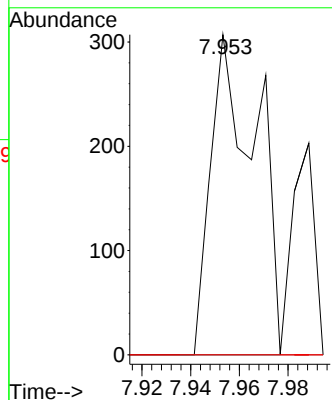
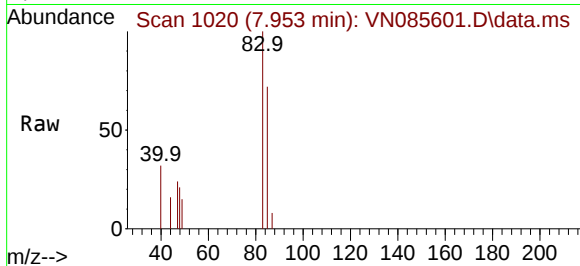




#28
Bromochloromethane
Concen: 0.219 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.147 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

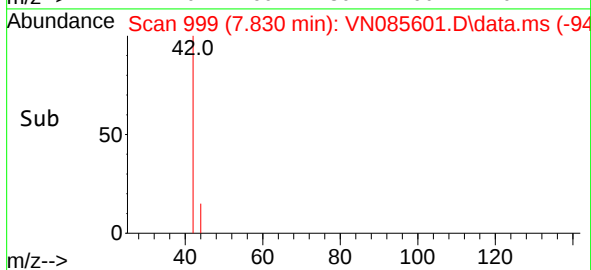
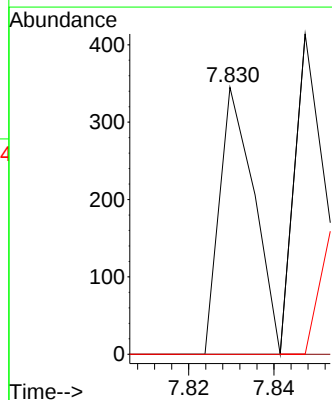
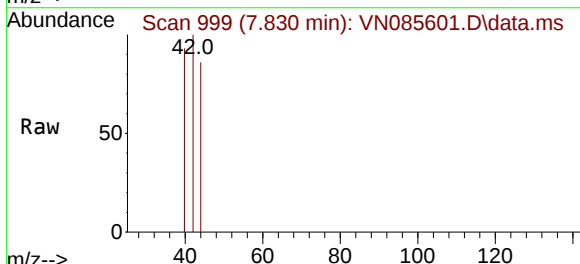
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#06

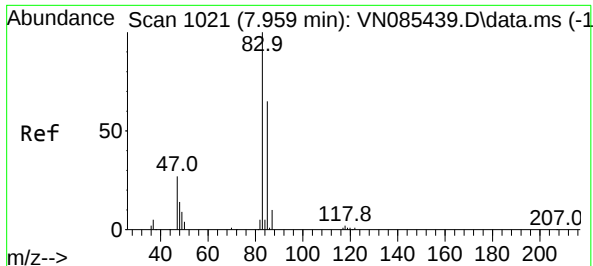
Tgt Ion: 49 Resp: 396
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#



#29
Tetrahydrofuran
Concen: 0.241 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.000 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

Tgt Ion: 42 Resp: 194
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#





#30

Chloroform

Concen: 1.565 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

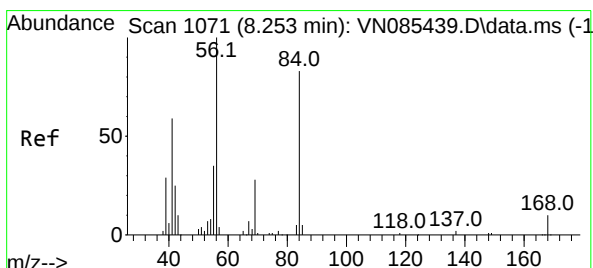
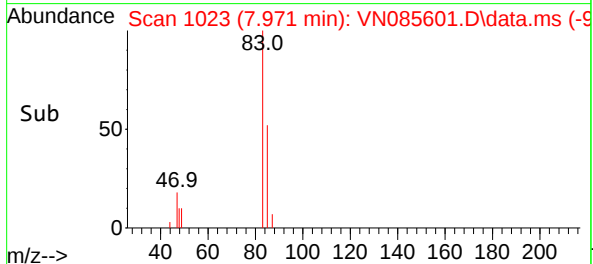
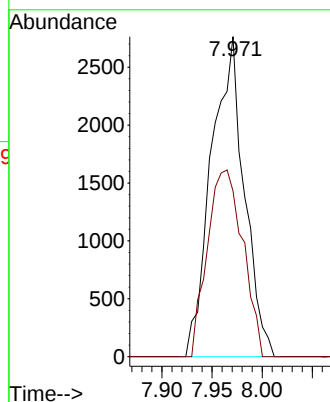
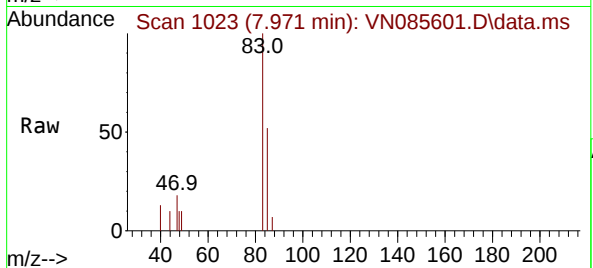
PB166357ZHE#06

Tgt Ion: 83 Resp: 6298

Ion Ratio Lower Upper

83 100

85 51.8 51.8 77.6



#31

Cyclohexane

Concen: 1.280 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

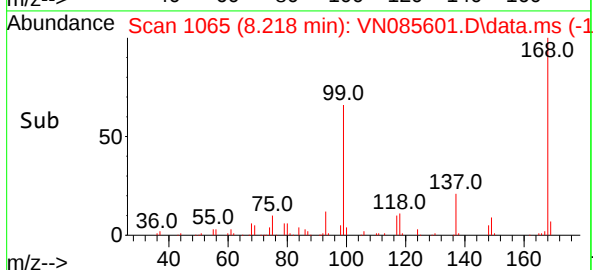
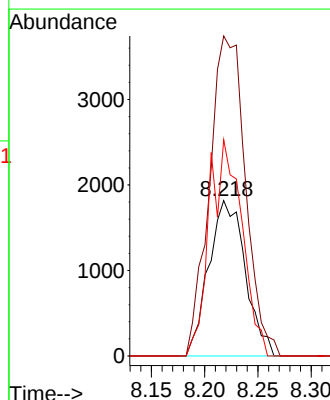
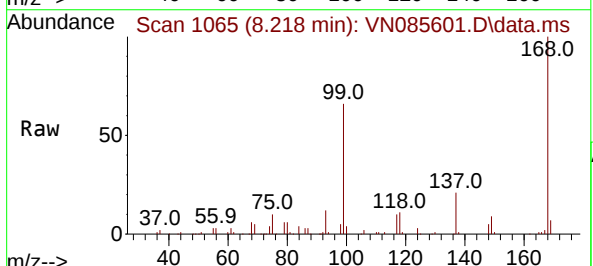
Tgt Ion: 56 Resp: 4332

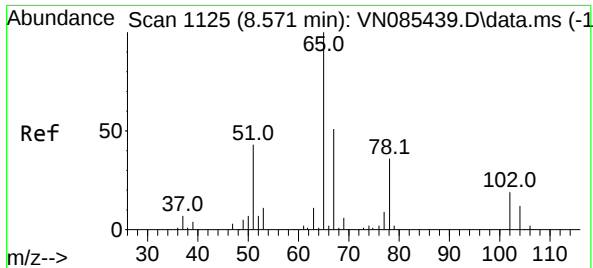
Ion Ratio Lower Upper

56 100

69 205.9 22.2 33.4#

84 139.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.830 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

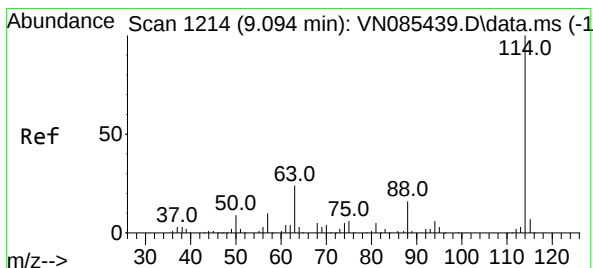
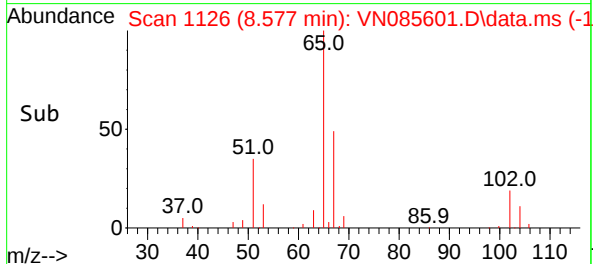
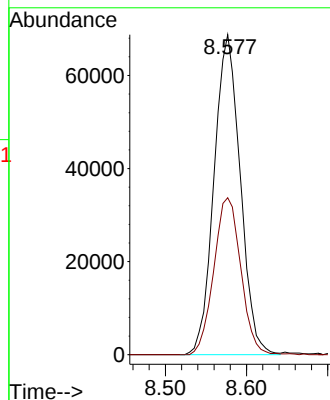
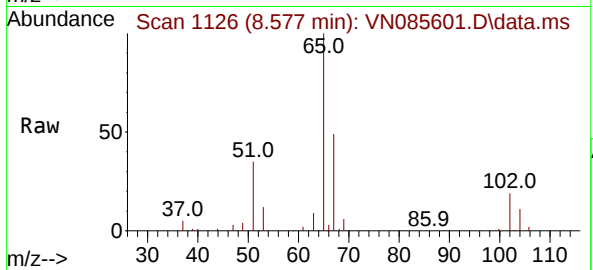
PB166357ZHE#06

Tgt Ion: 65 Resp: 154187

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

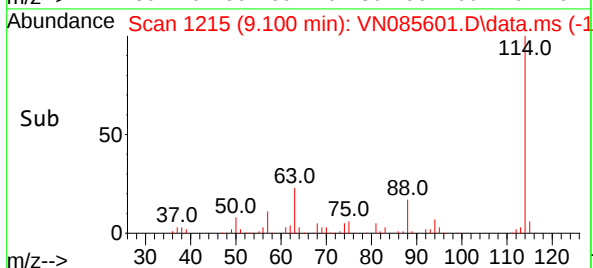
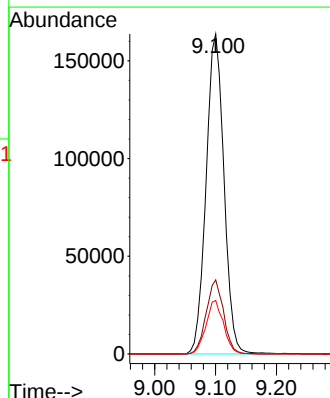
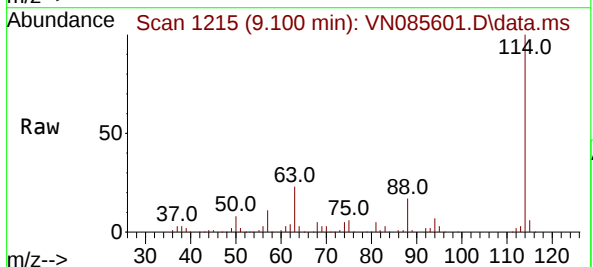
Tgt Ion: 114 Resp: 334024

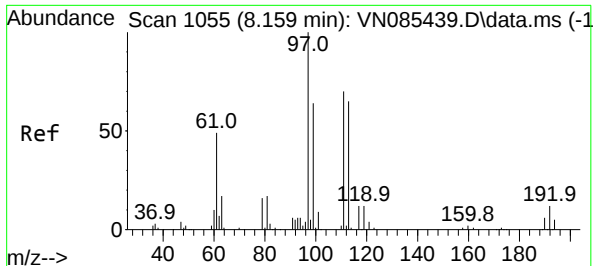
Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.6

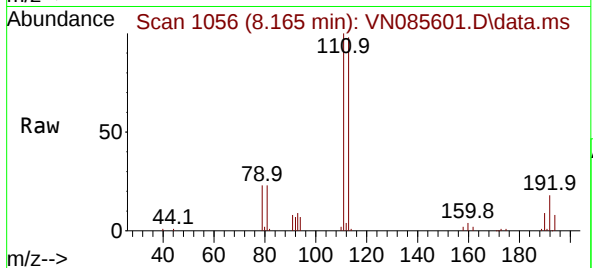
88 16.7 0.0 32.6



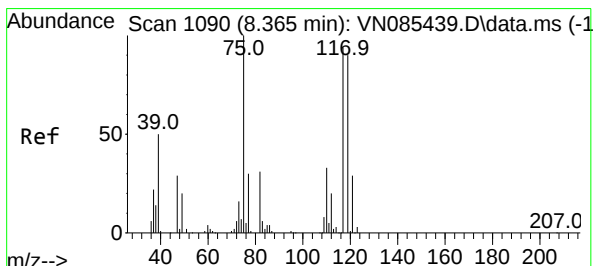
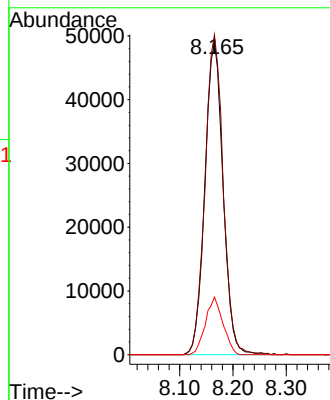
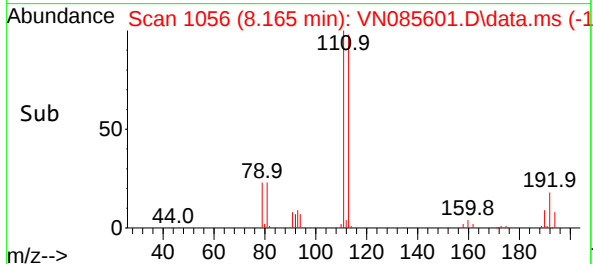


#35
Dibromofluoromethane
Concen: 50.203 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

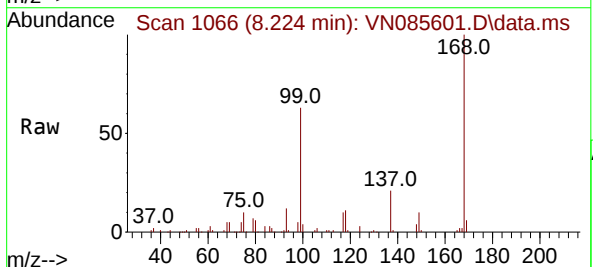
Instrument :
MSVOA_N
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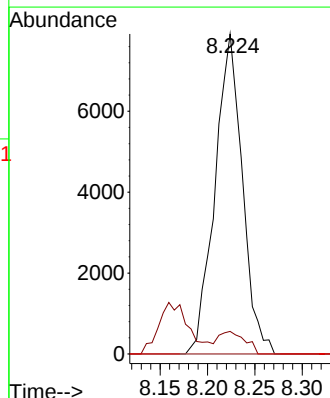
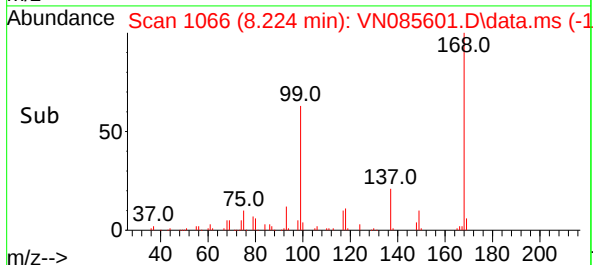
Tgt Ion:113 Resp: 116336
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 17.7 14.3 21.5

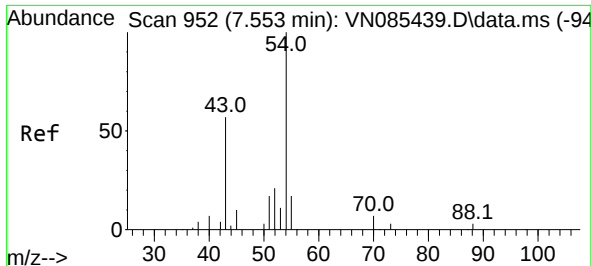


#36
1,1-Dichloropropene
Concen: 4.902 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51



Tgt Ion: 75 Resp: 15944
Ion Ratio Lower Upper
75 100
110 6.7 16.5 49.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.130 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#06

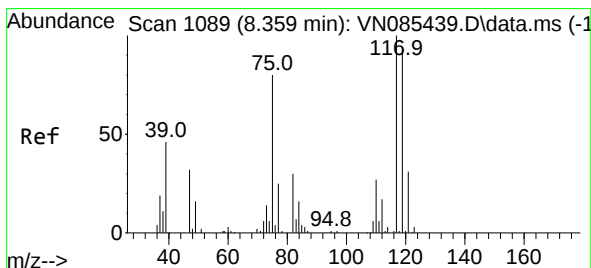
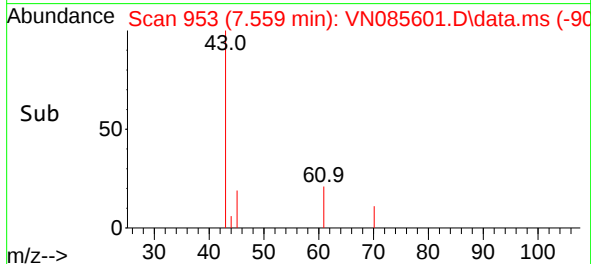
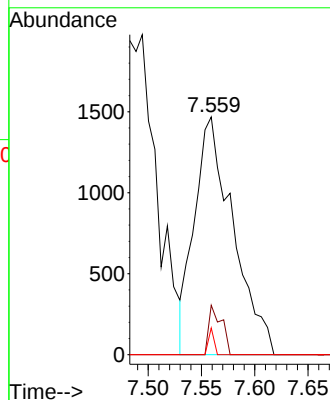
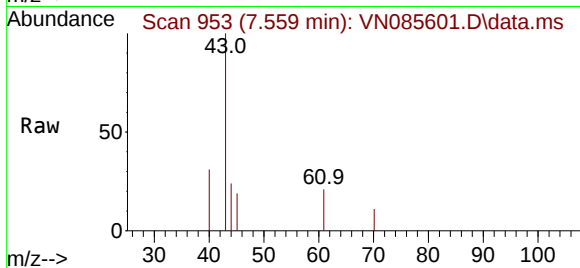
Tgt Ion: 43 Resp: 3708

Ion Ratio Lower Upper

43 100

61 6.9 10.9 16.3#

70 1.6 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.001 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

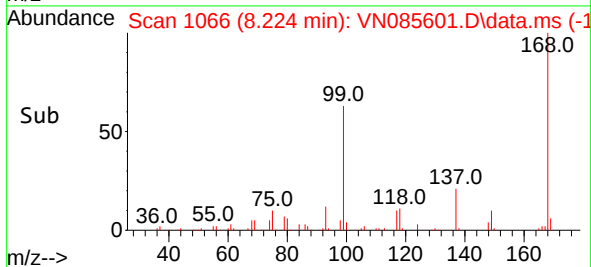
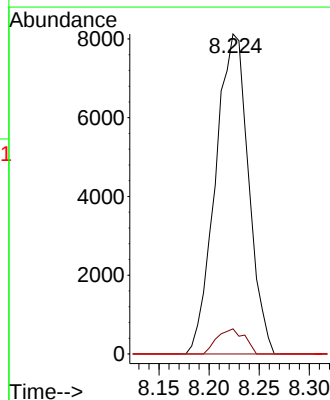
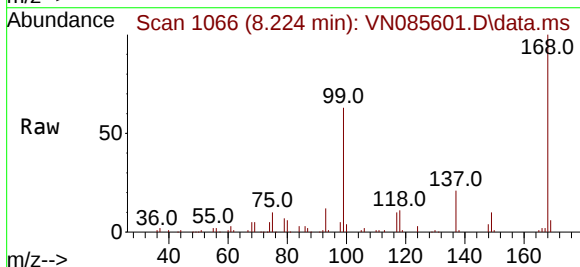
Tgt Ion: 117 Resp: 18621

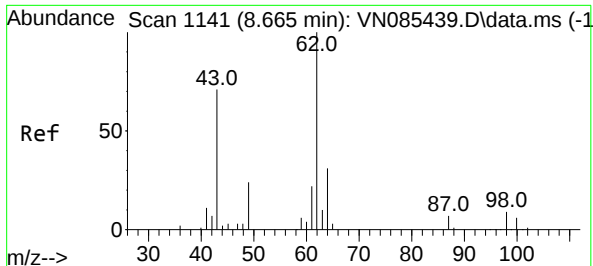
Ion Ratio Lower Upper

117 100

119 7.9 75.4 113.2#

121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

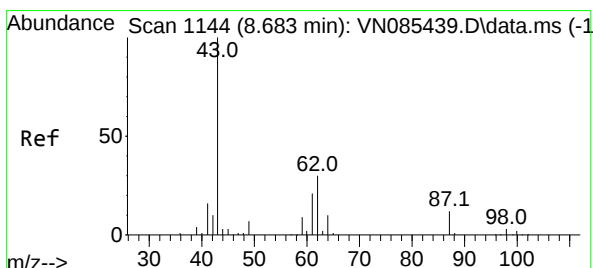
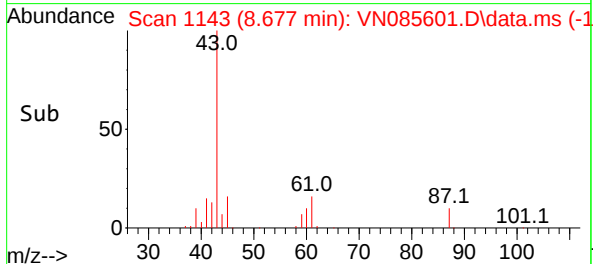
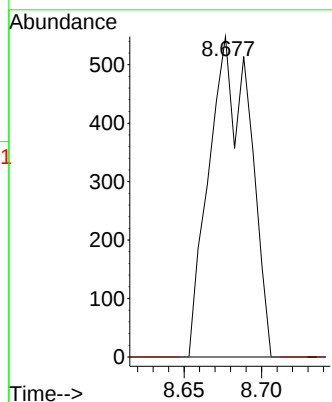
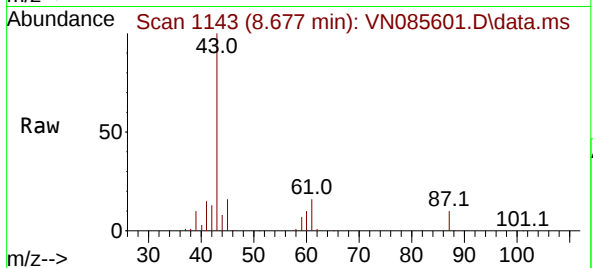
PB166357ZHE#06

Tgt Ion: 62 Resp: 1004

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 38.156 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

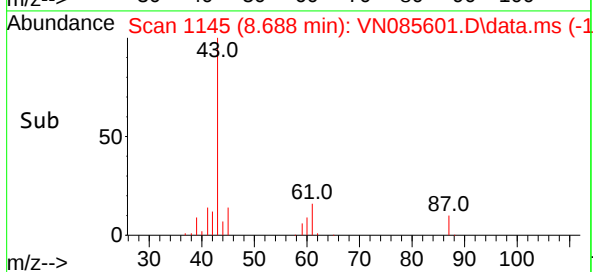
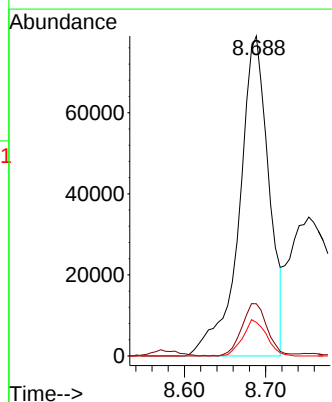
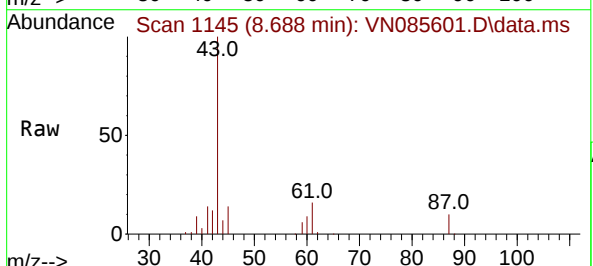
Tgt Ion: 43 Resp: 200703

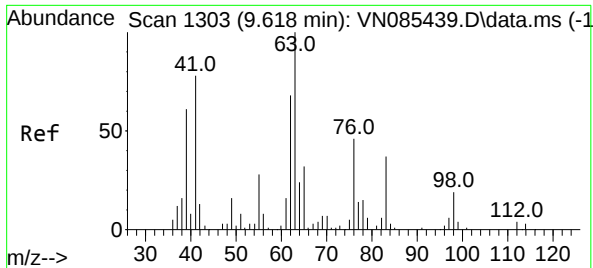
Ion Ratio Lower Upper

43 100

61 14.1 20.7 31.1#

87 9.0 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.646 ug/l

RT: 9.730 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

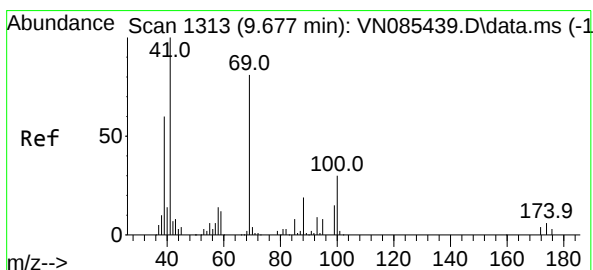
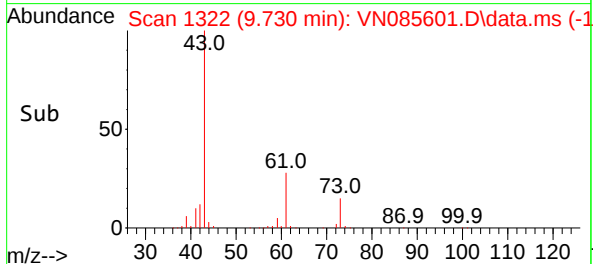
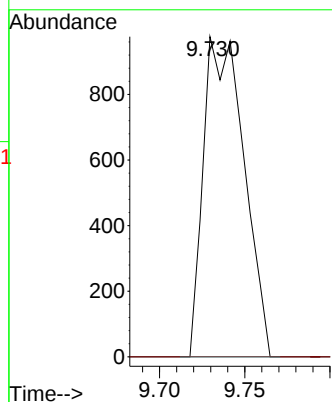
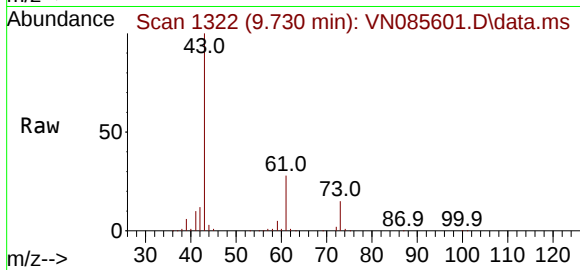
PB166357ZHE#06

Tgt Ion: 63 Resp: 1612

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 61.732 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

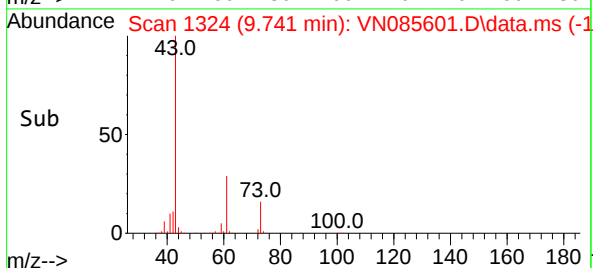
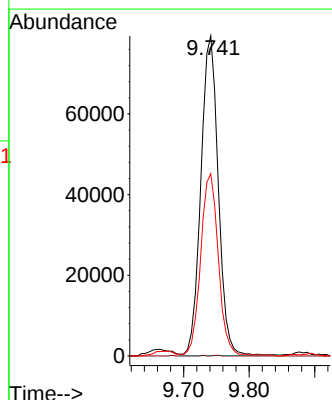
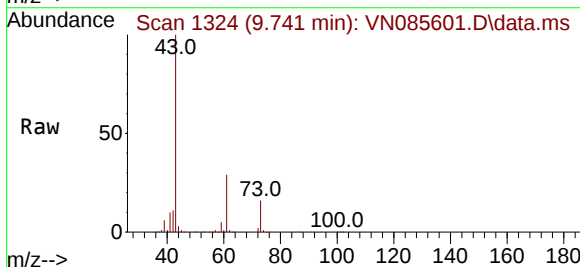
Tgt Ion: 41 Resp: 146128

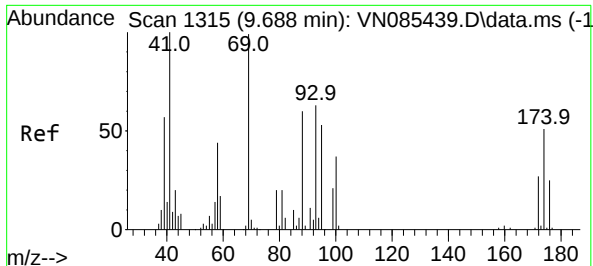
Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 58.3 49.0 73.6





#49

1,4-Dioxane

Concen: 1.355 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#06

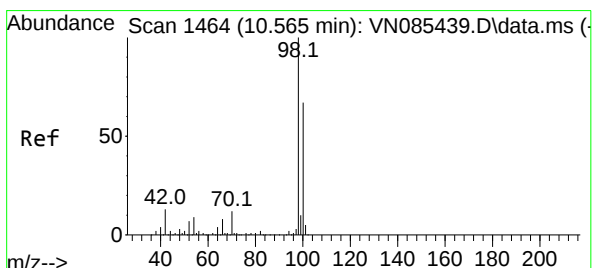
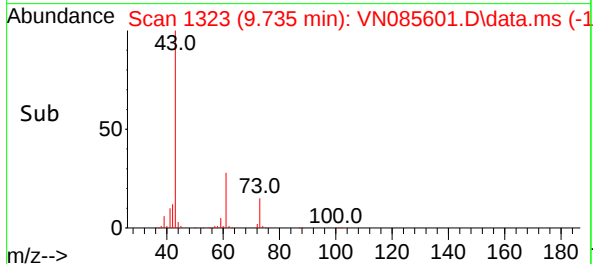
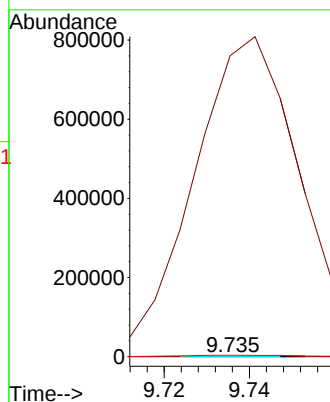
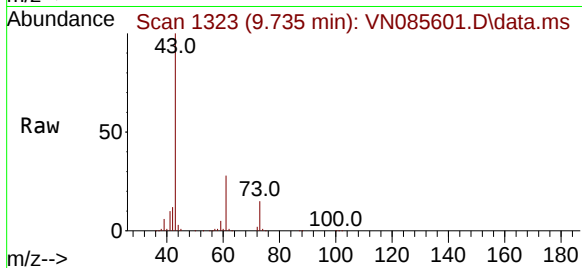
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 2666488.9 26.6 39.8#

58 14066.7 59.5 89.3#



#50

Toluene-d8

Concen: 52.623 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085601.D

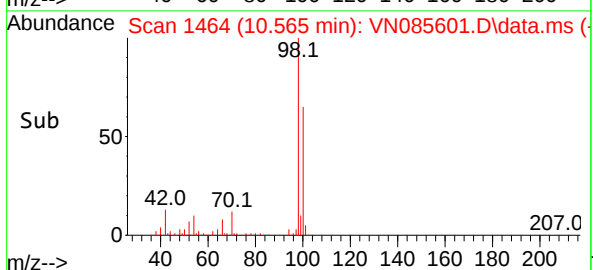
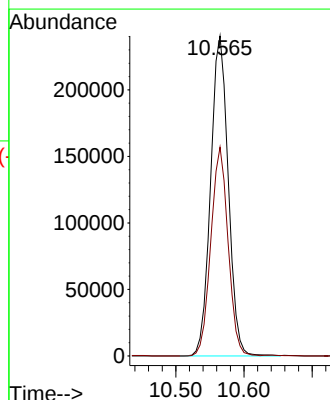
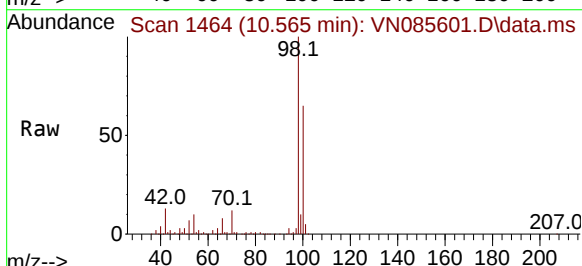
Acq: 31 Jan 2025 14:51

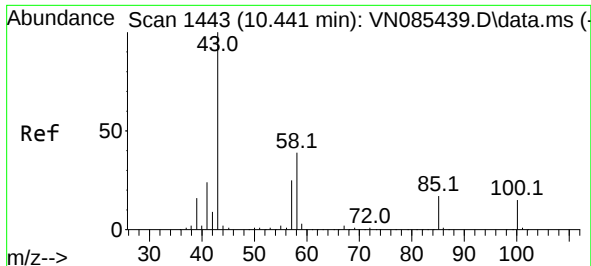
Tgt Ion: 98 Resp: 433259

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4

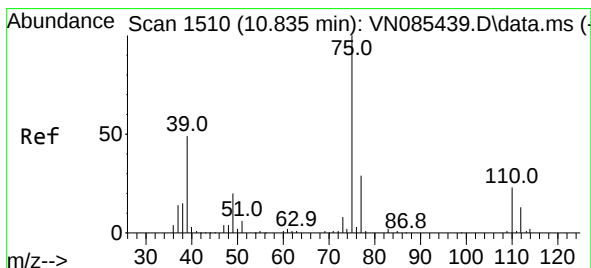
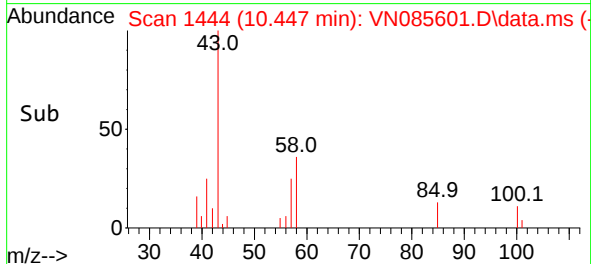
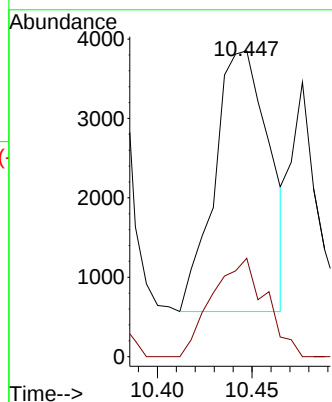
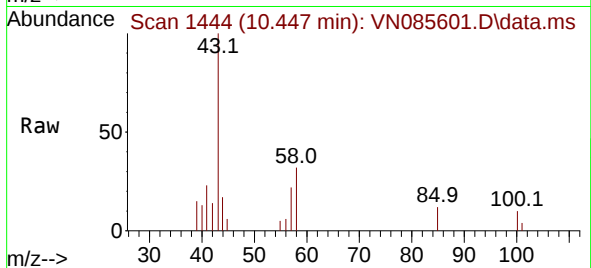




#51
4-Methyl-2-Pentanone
Concen: 2.154 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

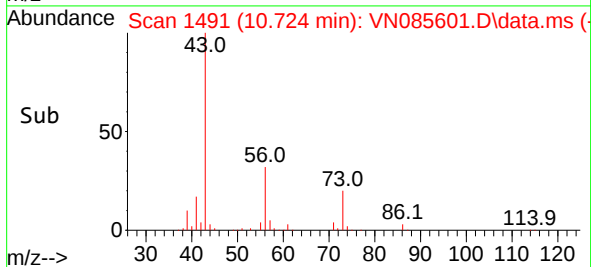
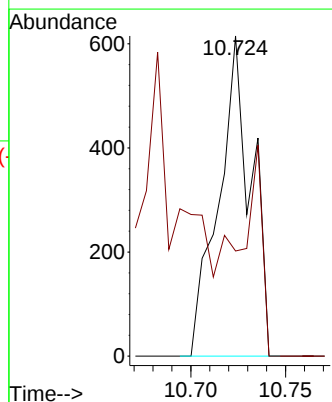
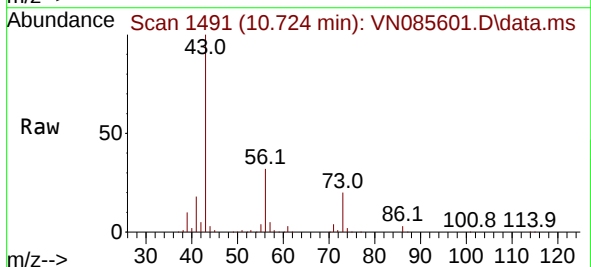
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#06

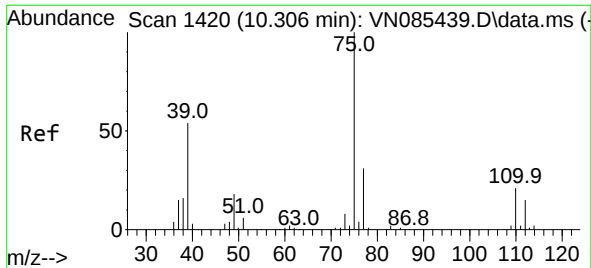
Tgt Ion: 43 Resp: 6576
Ion Ratio Lower Upper
43 100
58 37.1 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

Tgt Ion: 75 Resp: 734
Ion Ratio Lower Upper
75 100
77 32.8 23.5 35.3

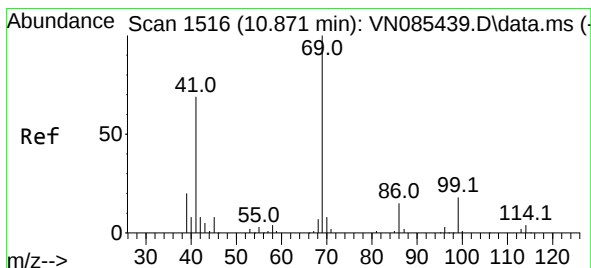
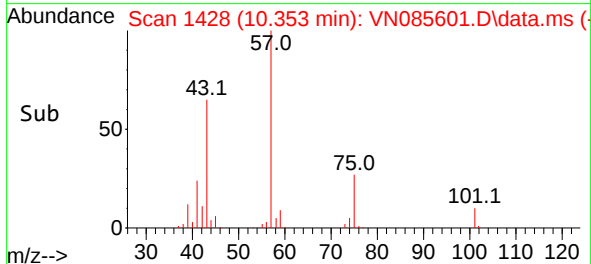
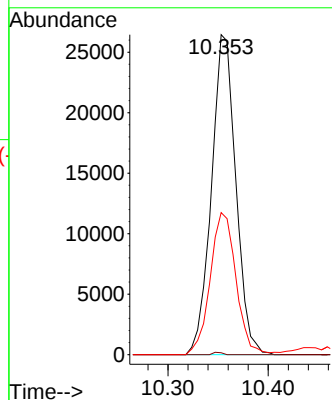
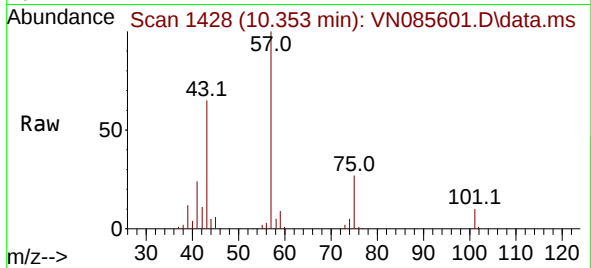




#54
 cis-1,3-Dichloropropene
 Concen: 12.065 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085601.D
 Acq: 31 Jan 2025 14:51

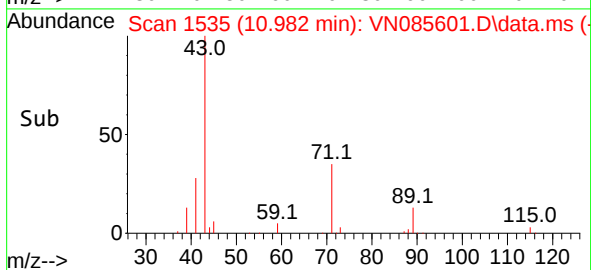
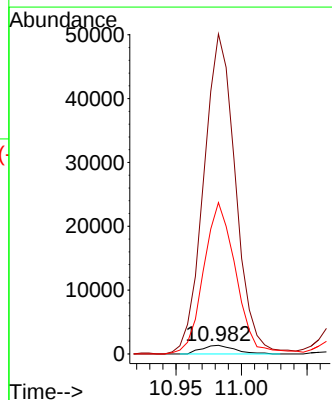
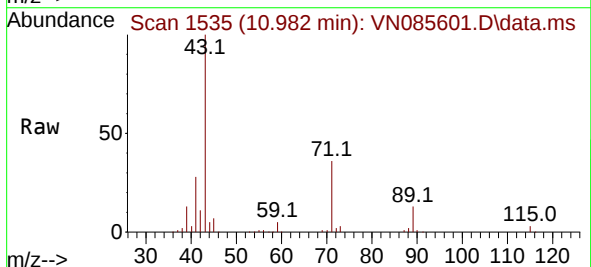
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#06

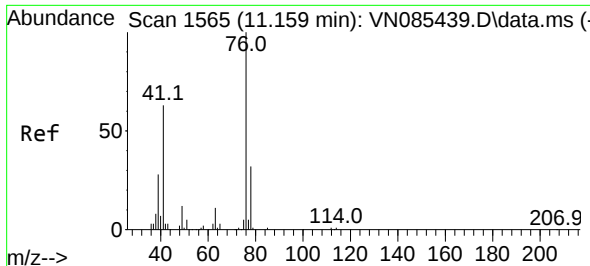
Tgt Ion: 75 Resp: 44687
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 44.4 43.1 64.7



#56
 Ethyl methacrylate
 Concen: 2.537 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085601.D
 Acq: 31 Jan 2025 14:51

Tgt Ion: 69 Resp: 2378
 Ion Ratio Lower Upper
 69 100
 41 3566.3 54.6 82.0#
 39 1707.5 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.770 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

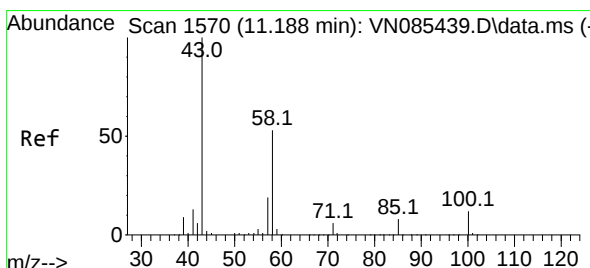
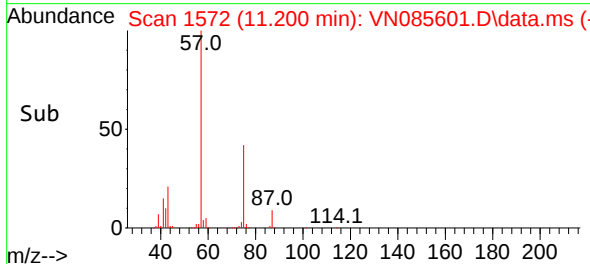
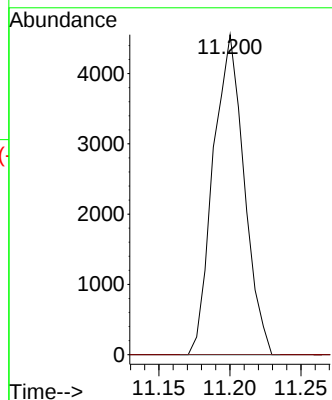
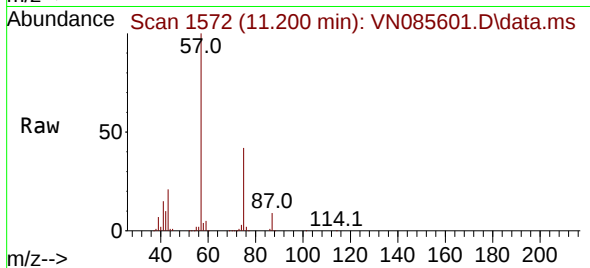
PB166357ZHE#06

Tgt Ion: 76 Resp: 6896

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 38.980 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085601.D

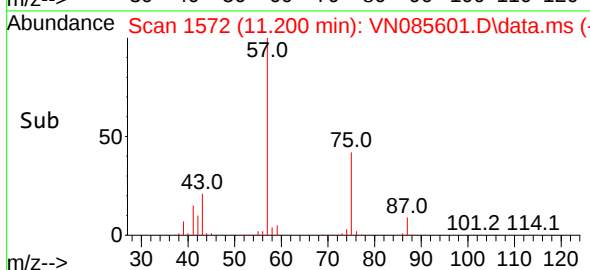
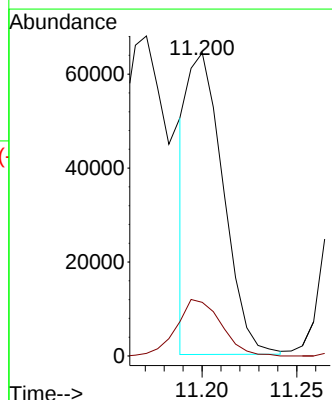
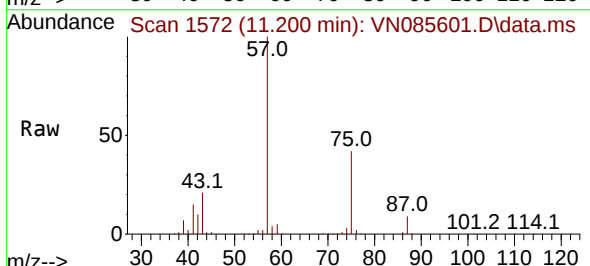
Acq: 31 Jan 2025 14:51

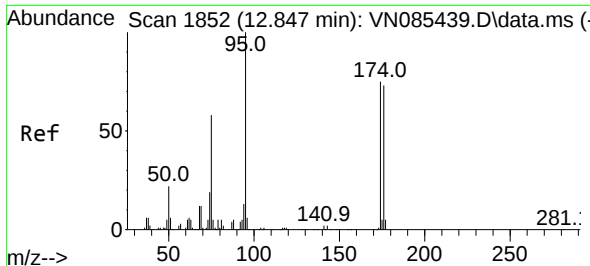
Tgt Ion: 43 Resp: 83719

Ion Ratio Lower Upper

43 100

58 23.6 26.2 78.6#

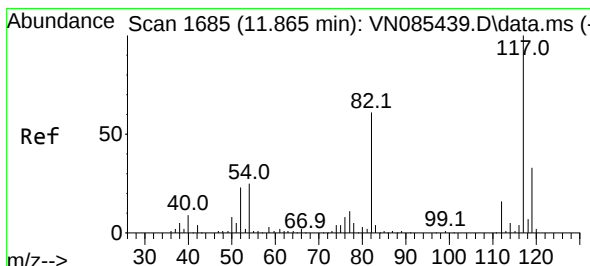
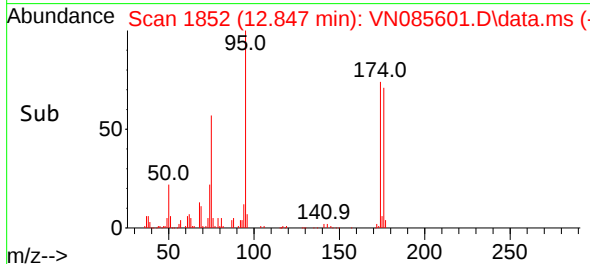
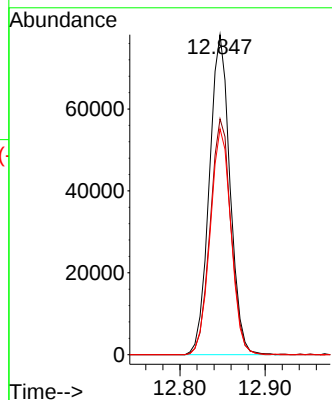
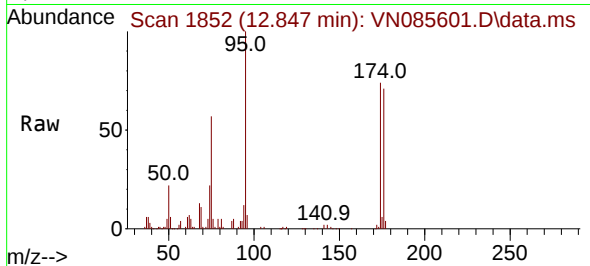




#62
4-Bromofluorobenzene
Concen: 46.637 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

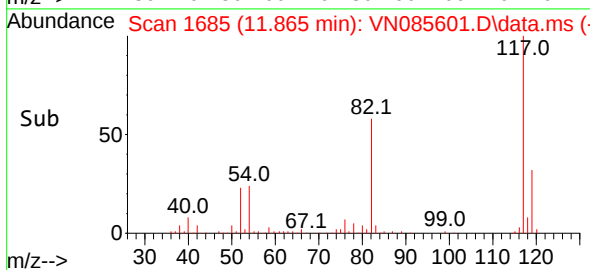
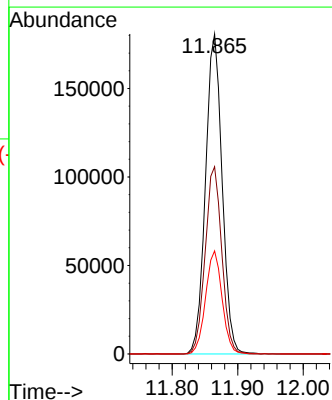
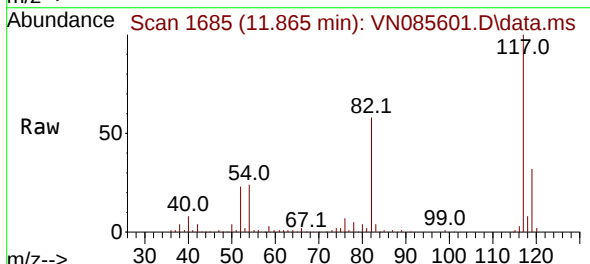
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#06

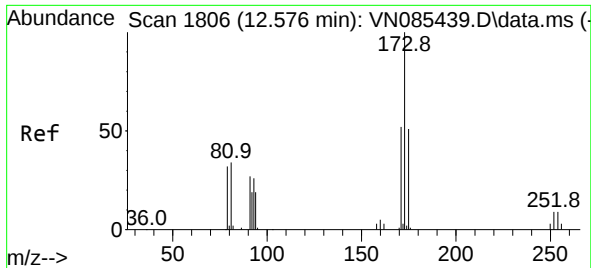
Tgt Ion: 95 Resp: 131348
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.0
176 71.0 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

Tgt Ion: 117 Resp: 318970
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 32.2 26.6 39.8

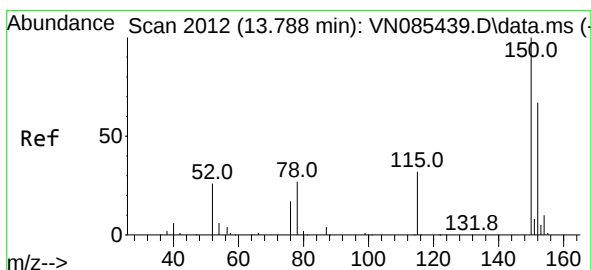
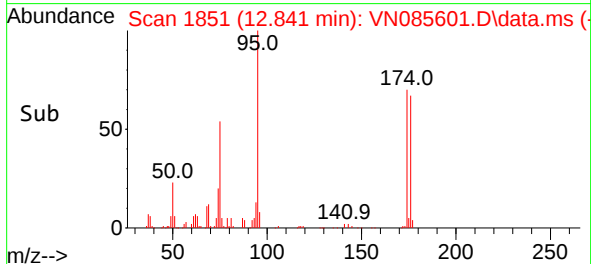
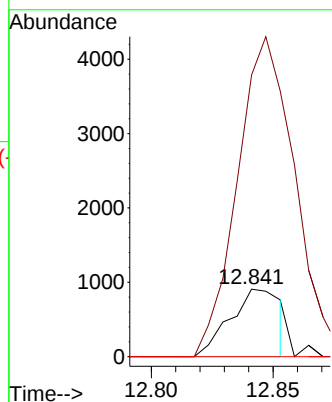
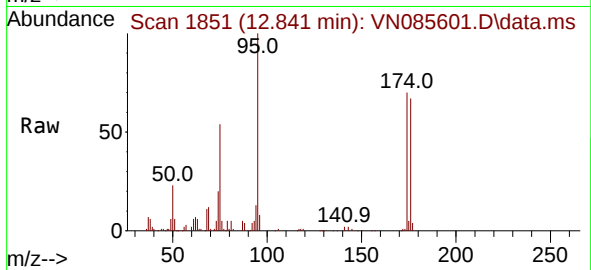




#71
Bromoform
Concen: 0.716 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

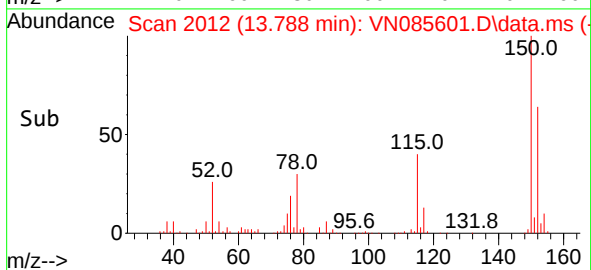
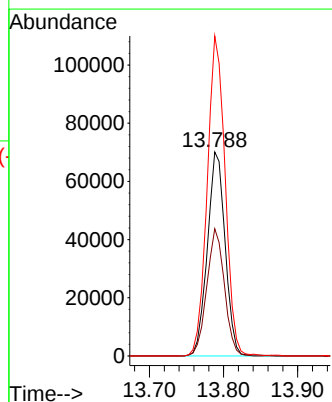
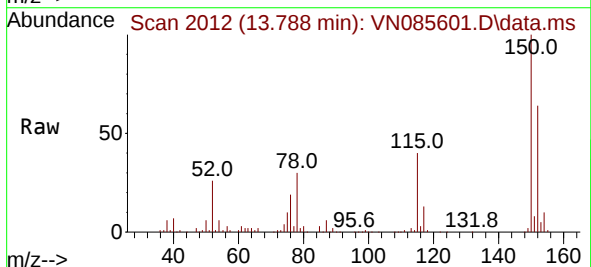
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#06

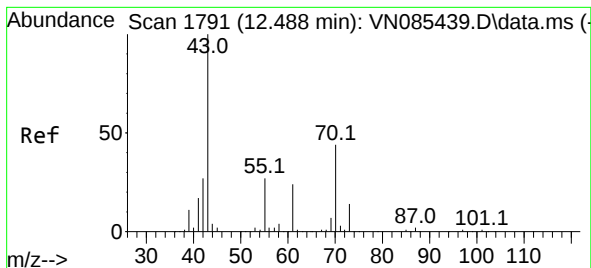
Tgt Ion:173 Resp: 1314
Ion Ratio Lower Upper
173 100
175 416.4 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085601.D
Acq: 31 Jan 2025 14:51

Tgt Ion:152 Resp: 116849
Ion Ratio Lower Upper
152 100
115 61.8 31.1 93.3
150 157.9 0.0 343.6





#74

N-amy1 acetate

Concen: 0.423 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN085601.D

Acq: 31 Jan 2025 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#06

Tgt Ion: 43 Resp: 1498

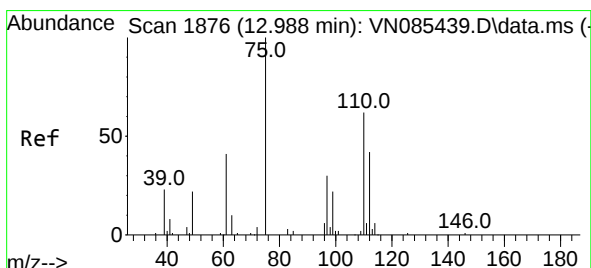
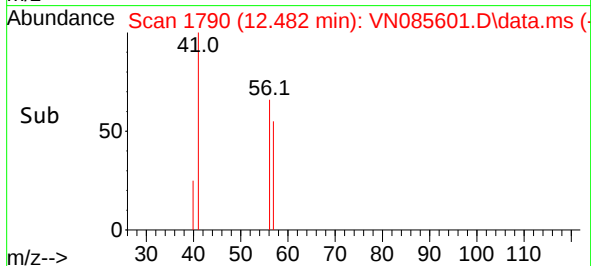
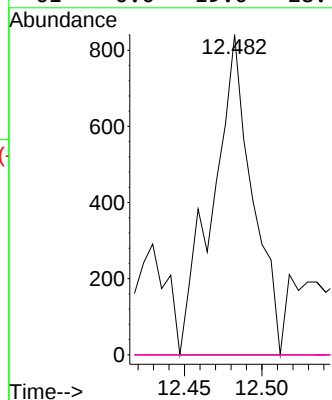
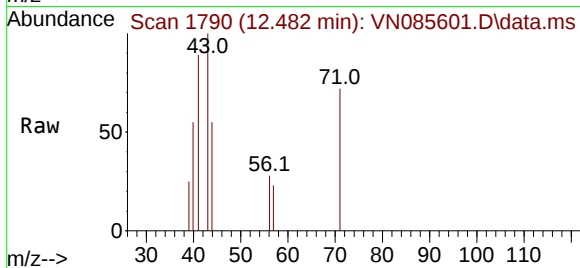
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 21.4 32.2#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 30.786 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085601.D

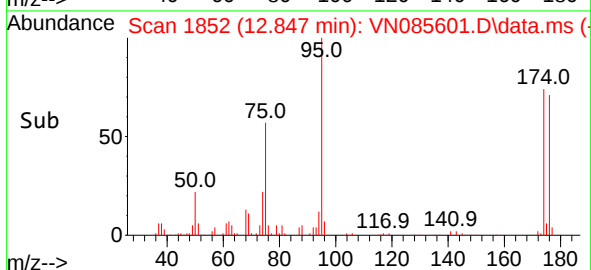
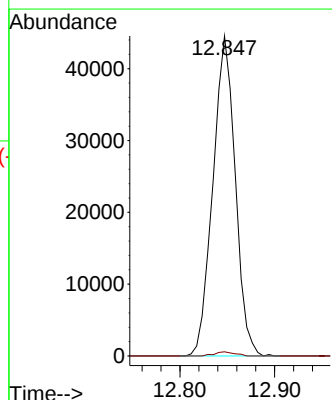
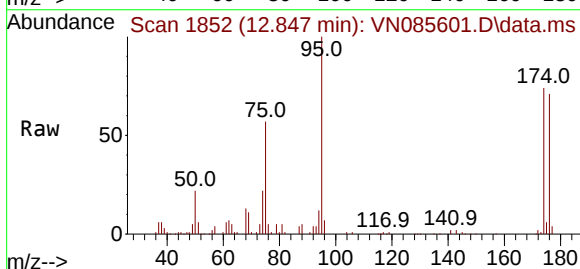
Acq: 31 Jan 2025 14:51

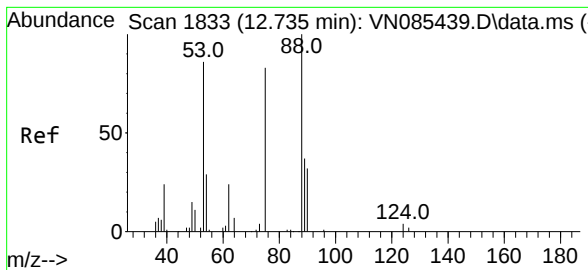
Tgt Ion: 75 Resp: 73117

Ion Ratio Lower Upper

75 100

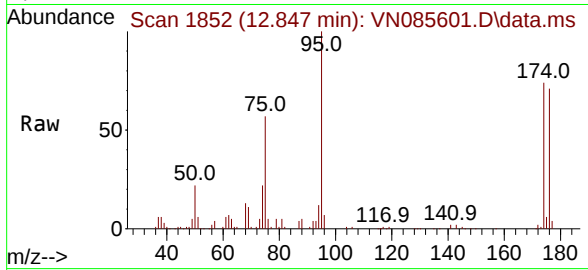
77 1.2 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.295 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085601.D
 Acq: 31 Jan 2025 14:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#06



Tgt Ion: 75 Resp: 73117
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 37.0 55.6#

