

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085491.D
 Acq On : 17 Jan 2025 14:24
 Operator : JC\MD
 Sample : PB166090ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166090ZHE#02

Quant Time: Jan 17 22:35:37 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)

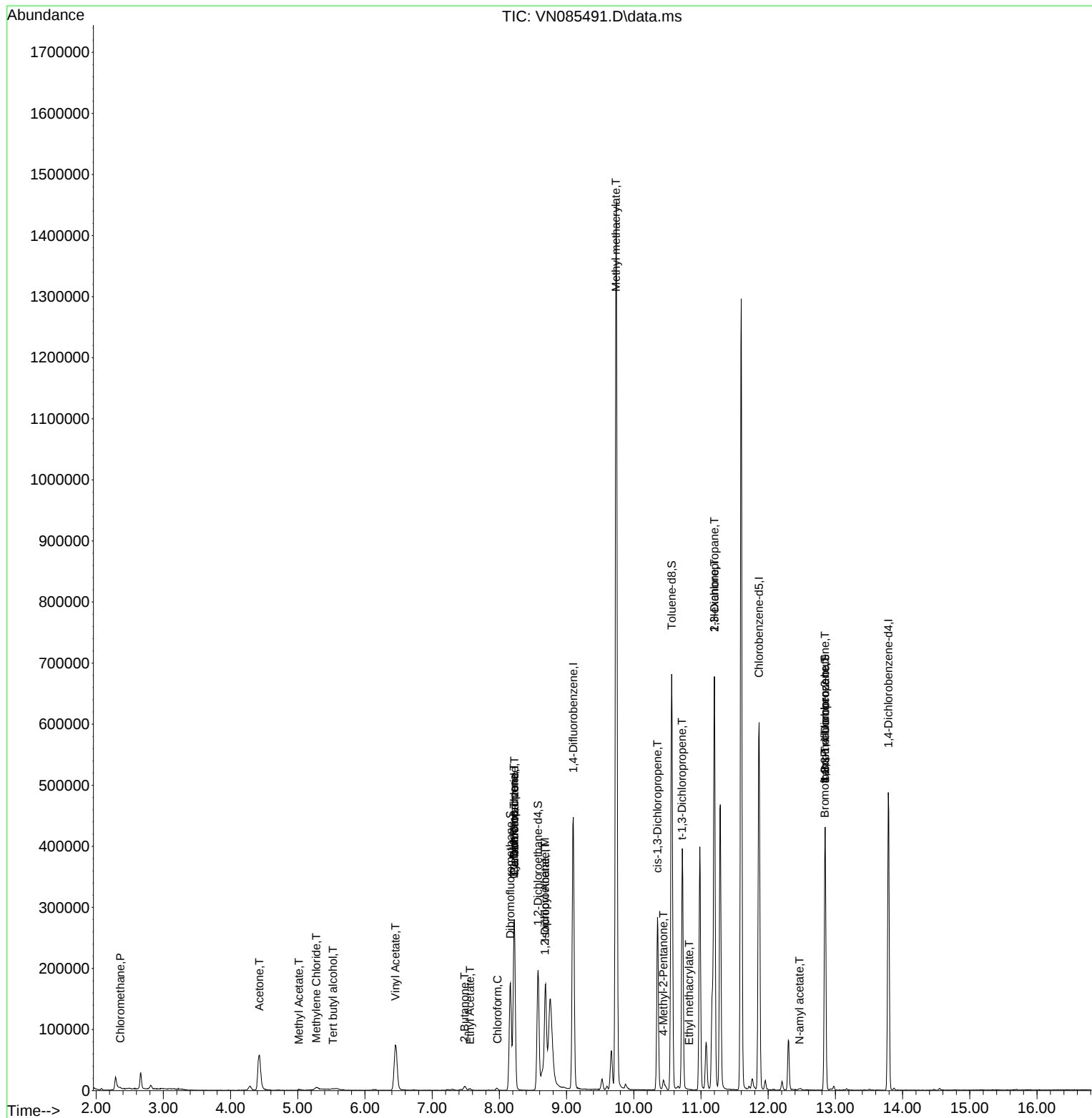
Internal Standards						
1) Pentafluorobenzene	8.224	168	187273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	365406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	166868	55.200	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 110.400%		
35) Dibromofluoromethane	8.165	113	121903	48.088	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.180%		
50) Toluene-d8	10.565	98	452140	50.199	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.400%		
62) 4-Bromofluorobenzene	12.847	95	140205	45.506	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 91.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	745	0.271	ug/l #	41
11) Tert butyl alcohol	5.524	59	896	2.588	ug/l #	71
16) Acetone	4.430	43	116318	119.087	ug/l	97
18) Methyl Acetate	5.018	43	3073	1.035	ug/l #	62
20) Methylene Chloride	5.277	84	2450	1.013	ug/l	95
23) Vinyl Acetate	6.453	43	1197	0.236	ug/l #	72
25) 2-Butanone	7.482	43	11282	7.849	ug/l	96
30) Chloroform	7.971	83	3644	0.799	ug/l #	66
31) Cyclohexane	8.218	56	5188	1.352	ug/l #	16
36) 1,1-Dichloropropene	8.218	75	17779	4.997	ug/l #	51
37) Ethyl Acetate	7.565	43	4249	1.183	ug/l #	77
38) Carbon Tetrachloride	8.224	117	21400	5.254	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	1003	0.249	ug/l #	76
43) Isopropyl Acetate	8.682	43	222983	38.751	ug/l #	79
48) Methyl methacrylate	9.735	41	141135	54.502	ug/l #	46
51) 4-Methyl-2-Pentanone	10.441	43	15071	4.513	ug/l #	78
53) t-1,3-Dichloropropene	10.718	75	884	0.233	ug/l #	88
54) cis-1,3-Dichloropropene	10.353	75	44737	11.041	ug/l #	68
56) Ethyl methacrylate	10.823	69	75	1.949	ug/l #	23
57) 1,3-Dichloropropane	11.200	76	6655	1.561	ug/l #	43
59) 2-Hexanone	11.200	43	84180	35.829	ug/l #	59
71) Bromoform	12.841	173	817	0.438	ug/l #	1
74) N-amyl acetate	12.465	43	1908	0.516	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	77838	31.437	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77838	85.054	ug/l #	3

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

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Acq On : 17 Jan 2025 14:24
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Sample : PB166090ZHE#03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

Quant Time: Jan 17 22:35:37 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

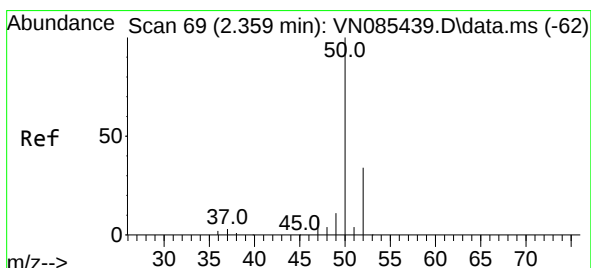
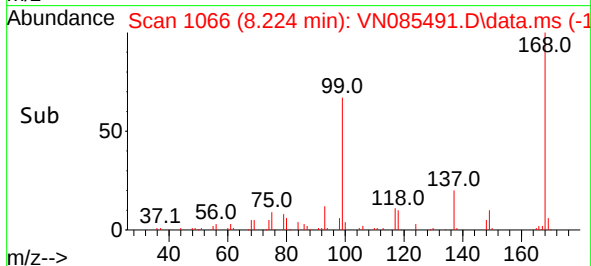
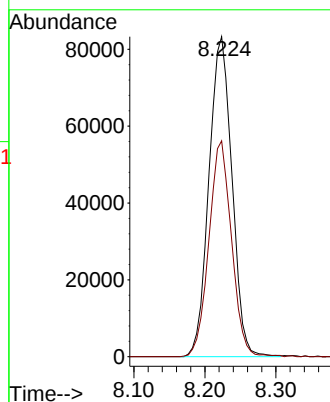
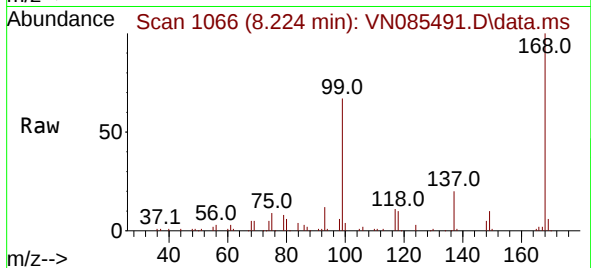




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

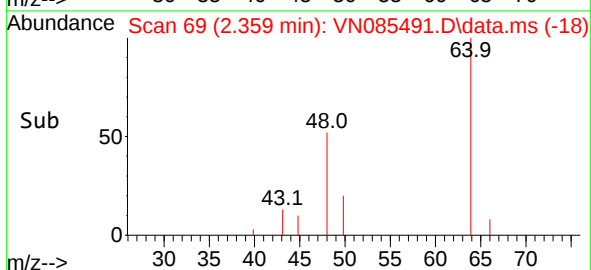
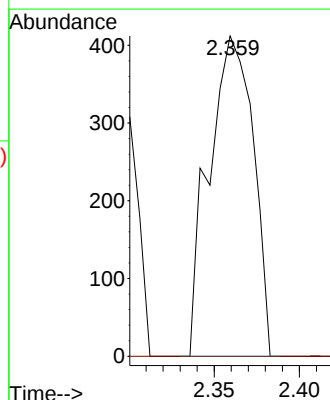
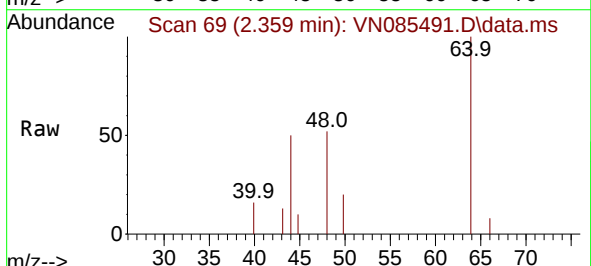
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

Tgt Ion:168 Resp: 187273
Ion Ratio Lower Upper
168 100
99 67.5 53.6 80.4



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 50 Resp: 745
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

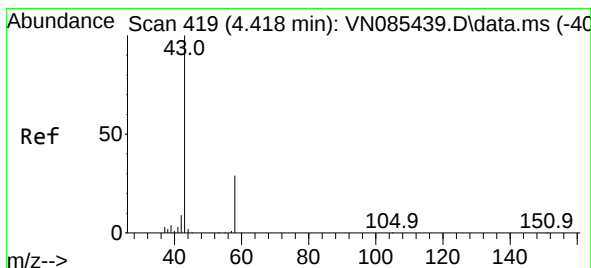
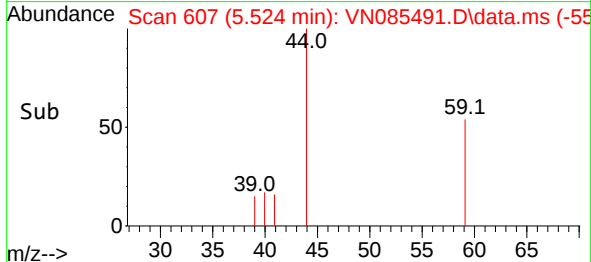
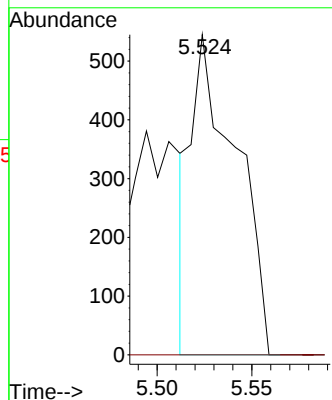
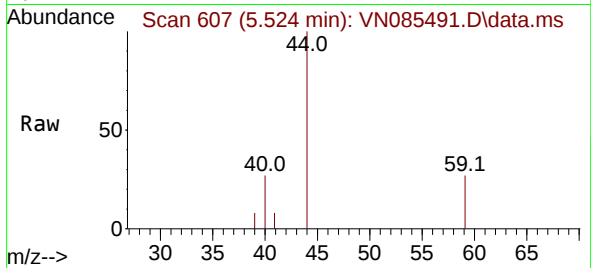




#11
Tert butyl alcohol
Concen: 2.588 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

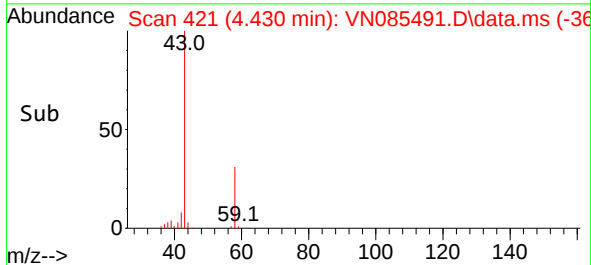
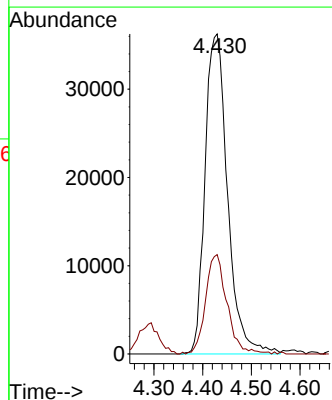
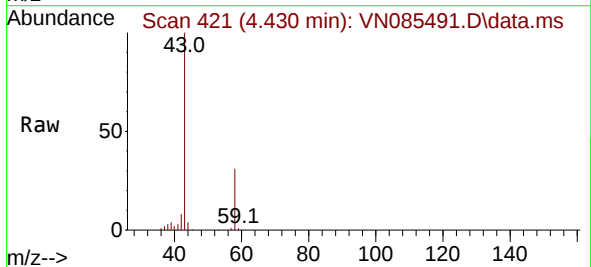
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

Tgt Ion: 59 Resp: 896
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: 119.087 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 43 Resp: 116318
Ion Ratio Lower Upper
43 100
58 31.1 23.8 35.6

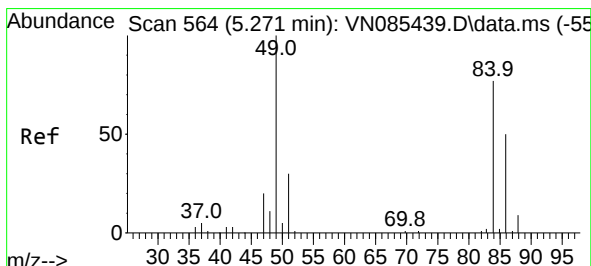
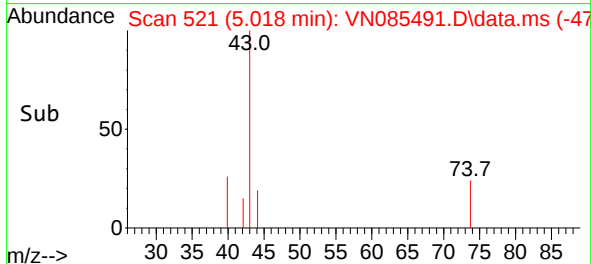
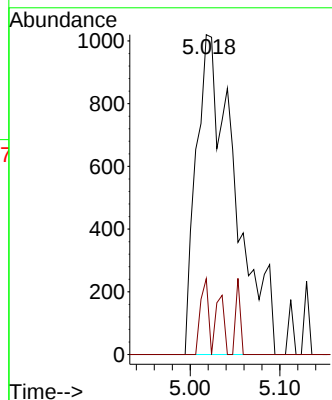
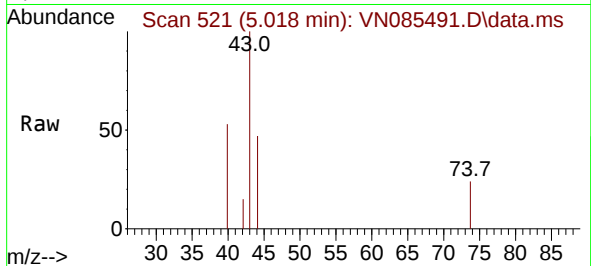




#18
Methyl Acetate
Concen: 1.035 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

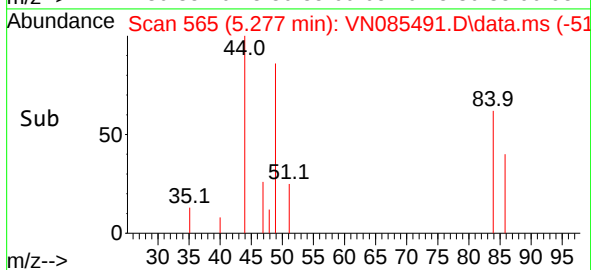
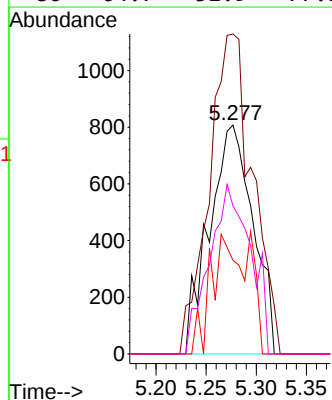
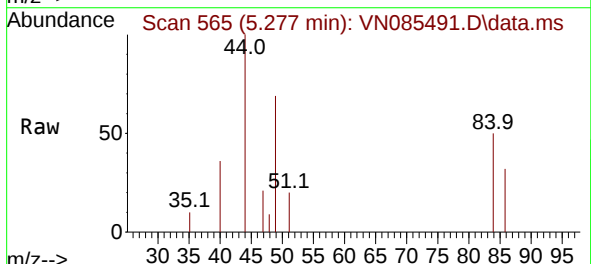
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MSVOA_N
ClientSampleId :
PB166090ZHE#02

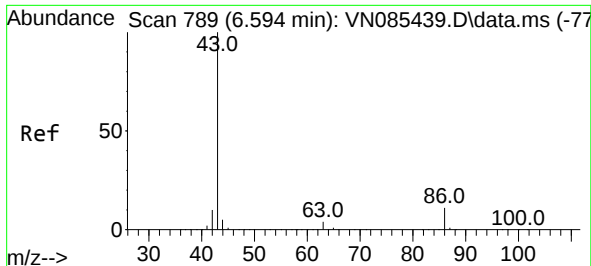
Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
74 4.8 18.6 28.0#



#20
Methylene Chloride
Concen: 1.013 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 84 Resp: 2450
Ion Ratio Lower Upper
84 100
49 139.9 104.1 156.1
51 40.9 31.0 46.4
86 64.7 51.9 77.9

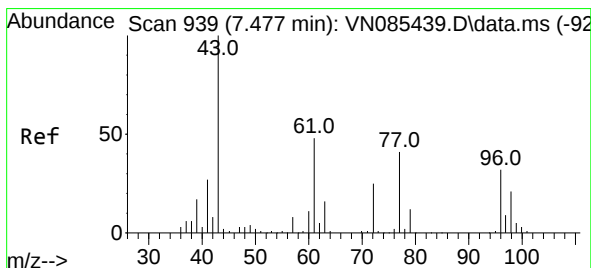
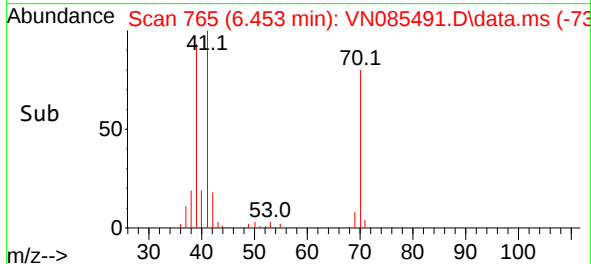
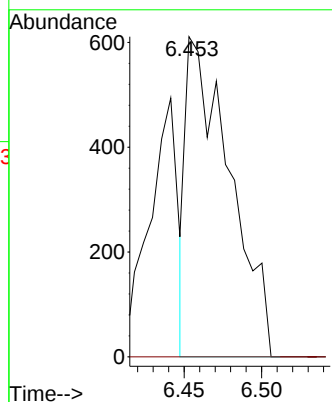
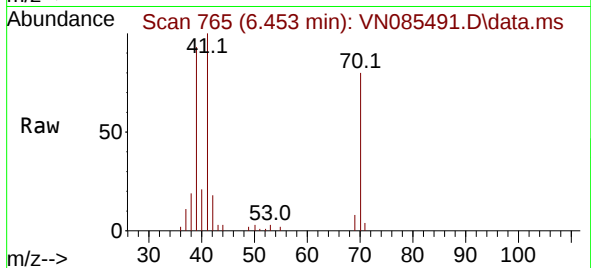




#23
 Vinyl Acetate
 Concen: 0.236 ug/l
 RT: 6.453 min Scan# 71
 Delta R.T. -0.141 min
 Lab File: VN085491.D
 Acq: 17 Jan 2025 14:24

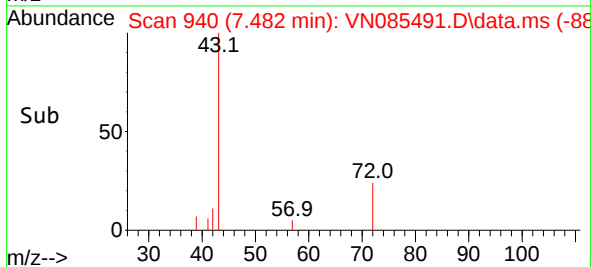
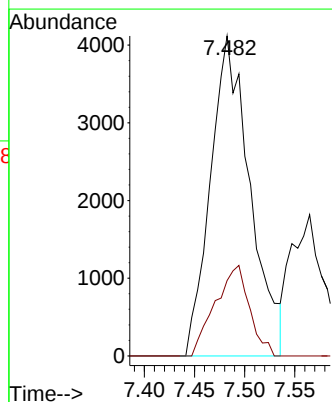
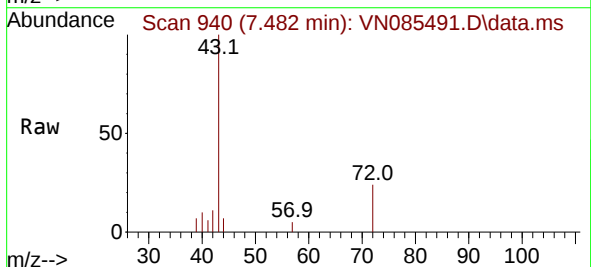
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166090ZHE#02

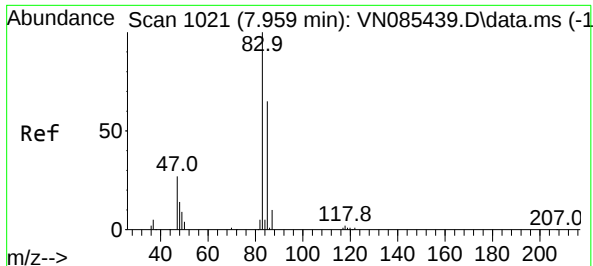
Tgt Ion: 43 Resp: 1197
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#25
 2-Butanone
 Concen: 7.849 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN085491.D
 Acq: 17 Jan 2025 14:24

Tgt Ion: 43 Resp: 11282
 Ion Ratio Lower Upper
 43 100
 72 23.5 20.2 30.4





#30

Chloroform

Concen: 0.799 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN085491.D

Acq: 17 Jan 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

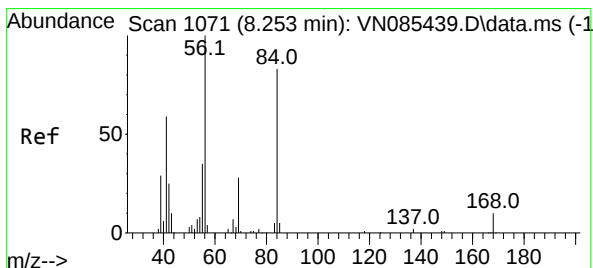
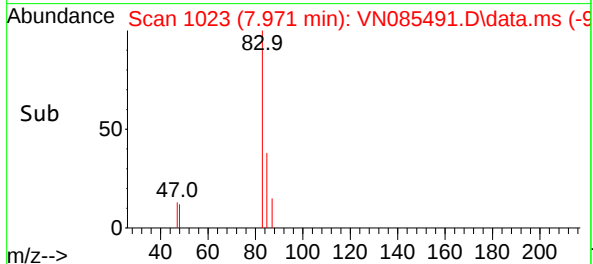
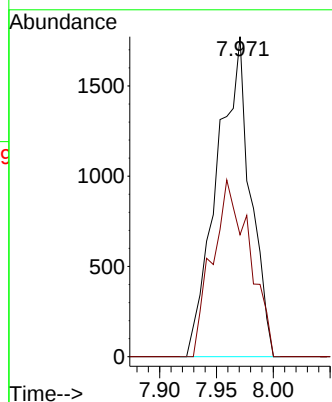
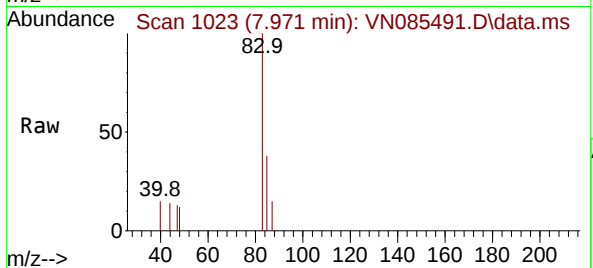
PB166090ZHE#02

Tgt Ion: 83 Resp: 3644

Ion Ratio Lower Upper

83 100

85 38.1 51.8 77.6#



#31

Cyclohexane

Concen: 1.352 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085491.D

Acq: 17 Jan 2025 14:24

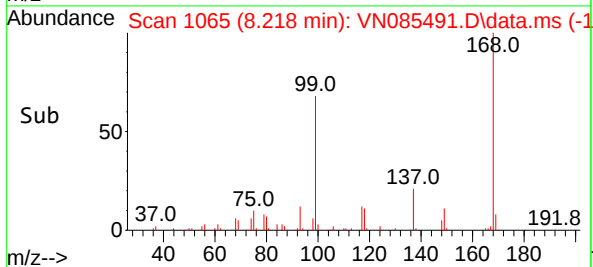
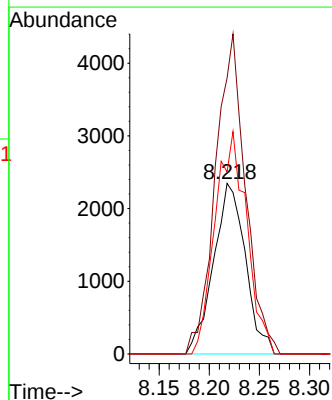
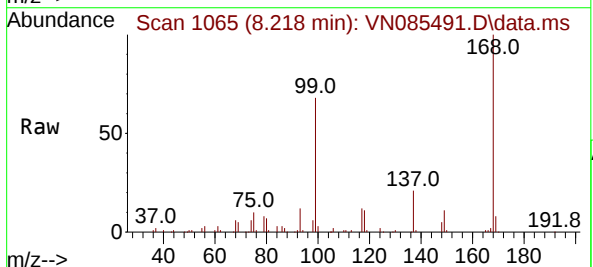
Tgt Ion: 56 Resp: 5188

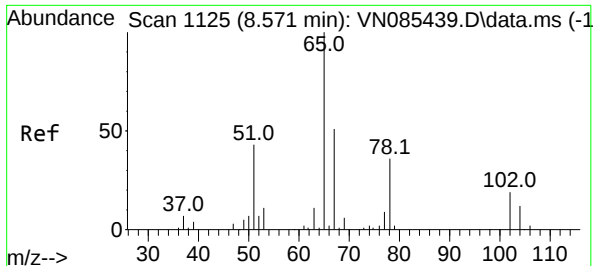
Ion Ratio Lower Upper

56 100

69 161.8 22.2 33.4#

84 106.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.200 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085491.D

Acq: 17 Jan 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

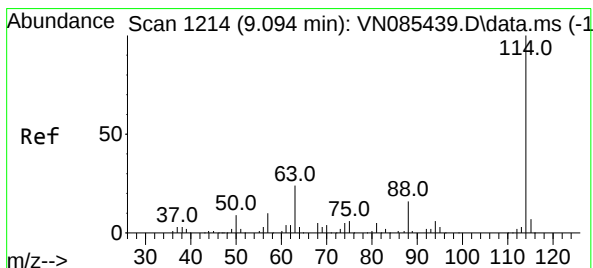
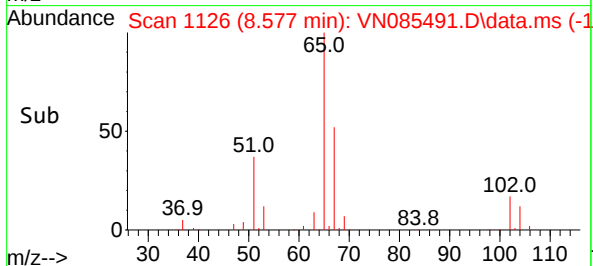
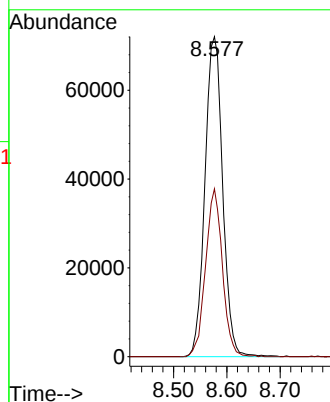
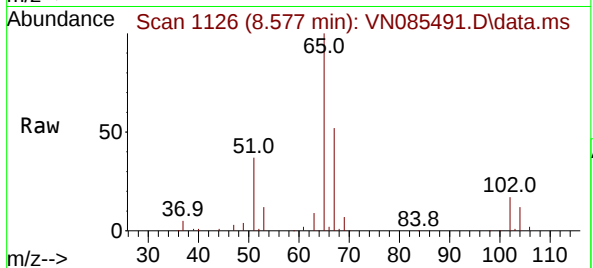
PB166090ZHE#02

Tgt Ion: 65 Resp: 166868

Ion Ratio Lower Upper

65 100

67 49.9 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: VN085491.D

Acq: 17 Jan 2025 14:24

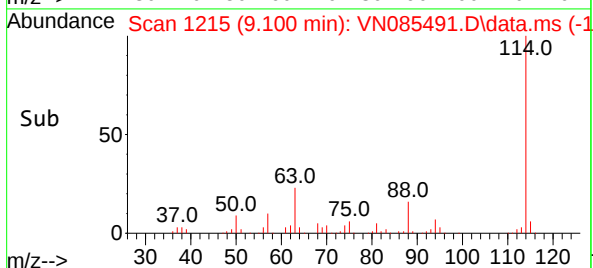
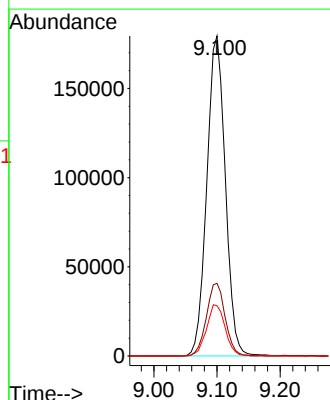
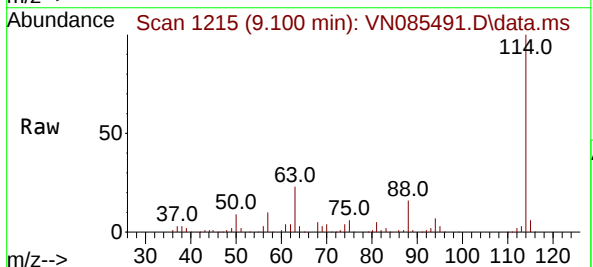
Tgt Ion: 114 Resp: 365406

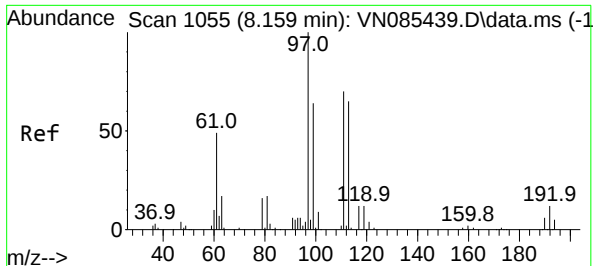
Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.6

88 15.7 0.0 32.6

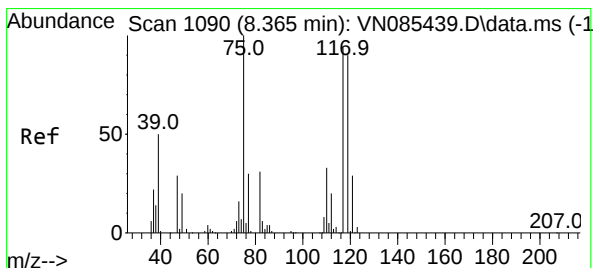
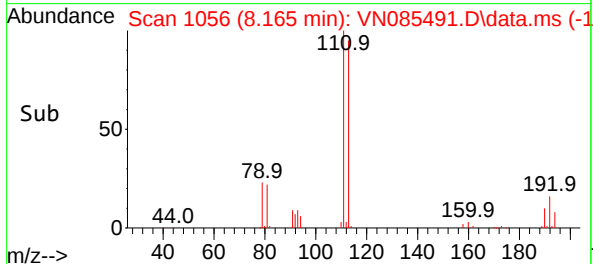
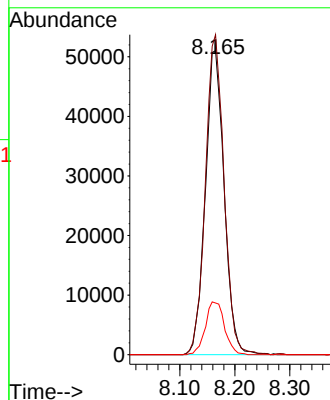
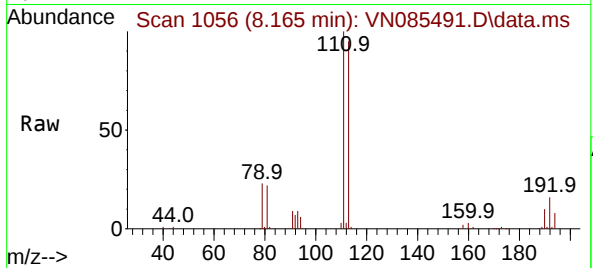




#35
Dibromofluoromethane
Concen: 48.088 ug/l
RT: 8.165 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

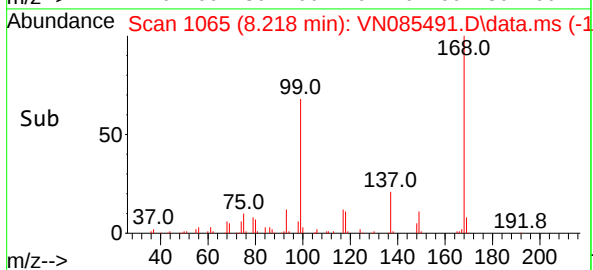
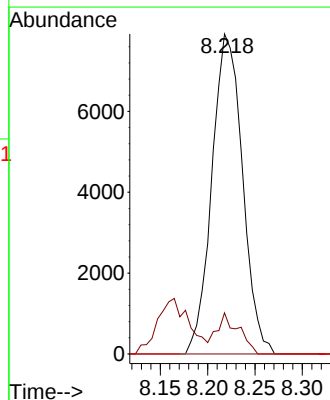
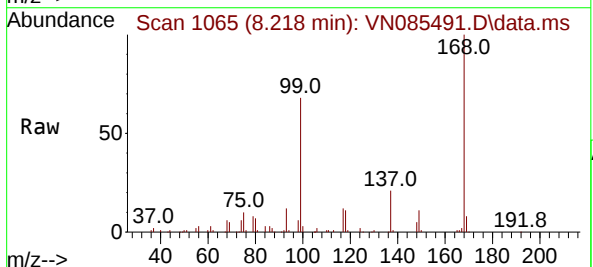
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

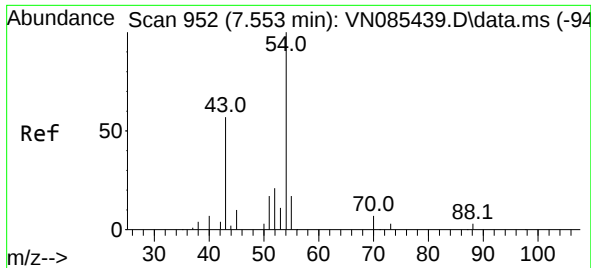
Tgt Ion:113 Resp: 121903
Ion Ratio Lower Upper
113 100
111 103.7 82.7 124.1
192 17.6 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.997 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 75 Resp: 17779
Ion Ratio Lower Upper
75 100
110 9.1 16.5 49.5#
77 0.0 24.4 36.6#

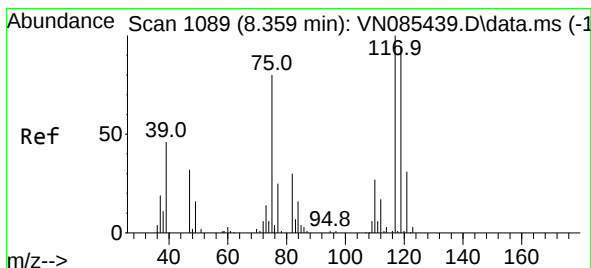
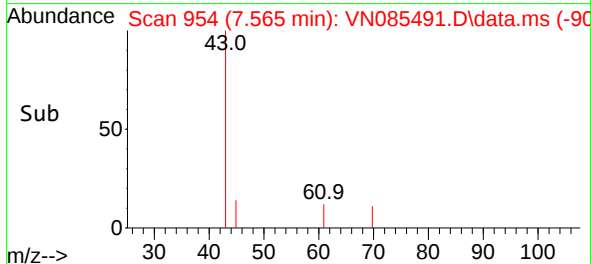
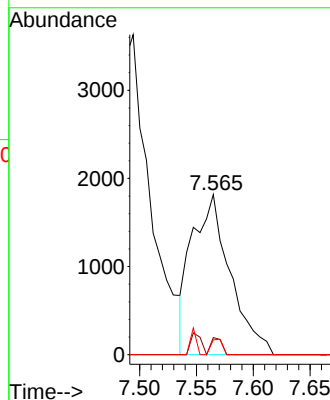
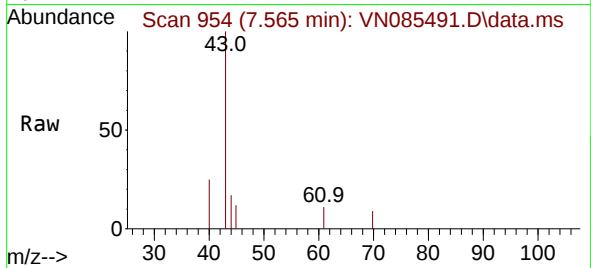




#37
Ethyl Acetate
Concen: 1.183 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

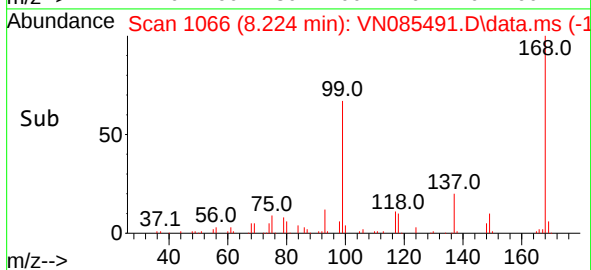
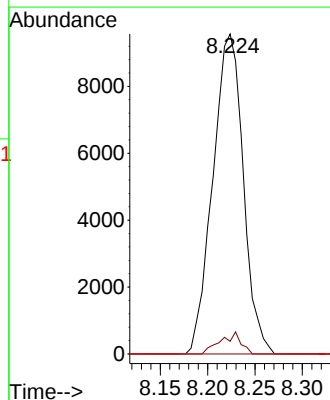
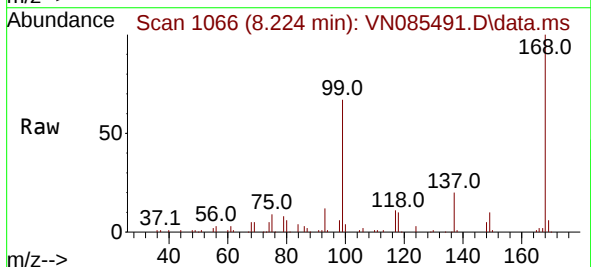
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

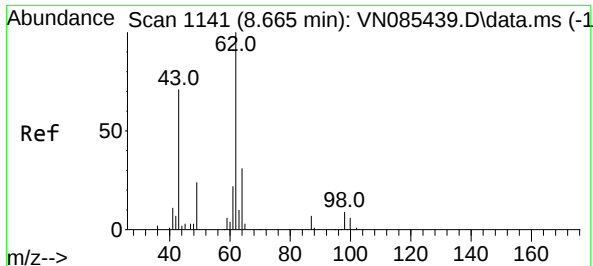
Tgt Ion: 43 Resp: 4249
Ion Ratio Lower Upper
43 100
61 3.0 10.9 16.3#
70 2.8 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.254 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 117 Resp: 21400
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.249 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085491.D

Acq: 17 Jan 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

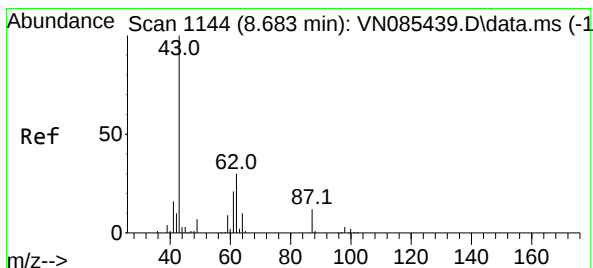
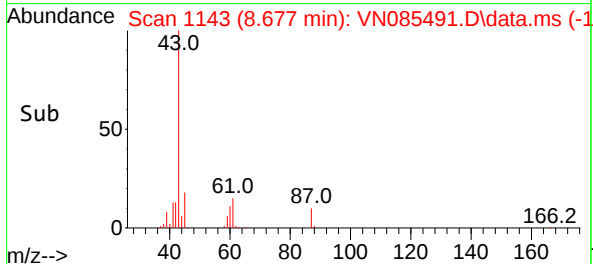
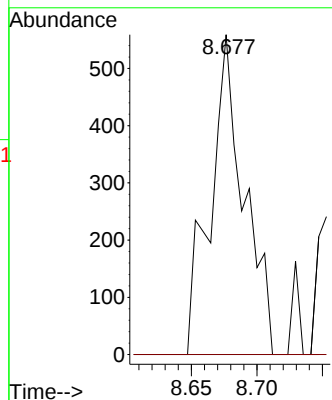
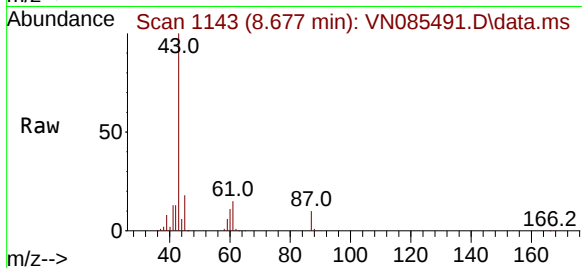
PB166090ZHE#02

Tgt Ion: 62 Resp: 1003

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 38.751 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085491.D

Acq: 17 Jan 2025 14:24

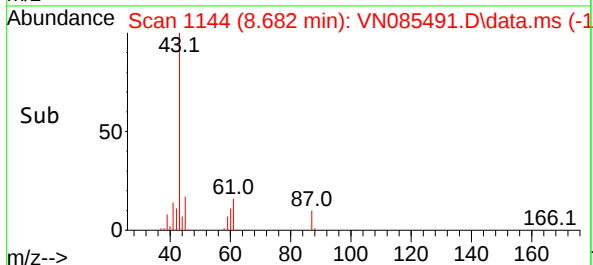
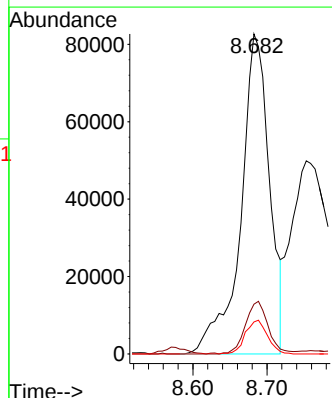
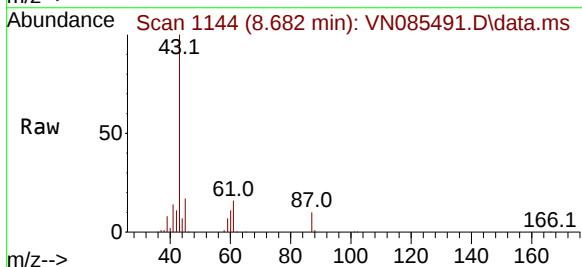
Tgt Ion: 43 Resp: 222983

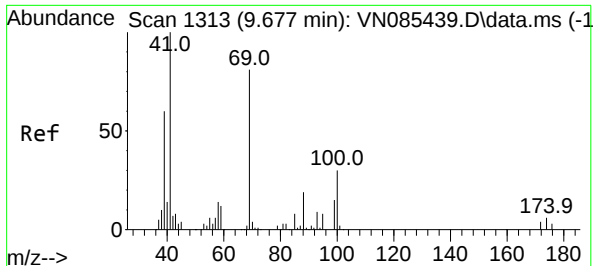
Ion Ratio Lower Upper

43 100

61 13.0 20.7 31.1#

87 8.1 9.8 14.8#





#48

Methyl methacrylate

Concen: 54.502 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.058 min

Lab File: VN085491.D

Acq: 17 Jan 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

PB166090ZHE#02

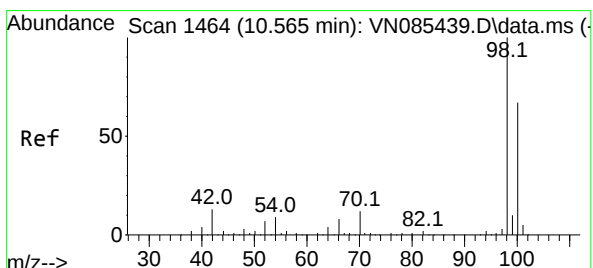
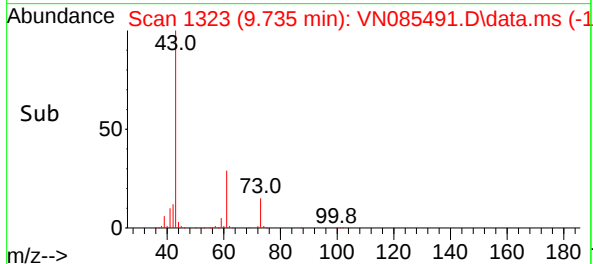
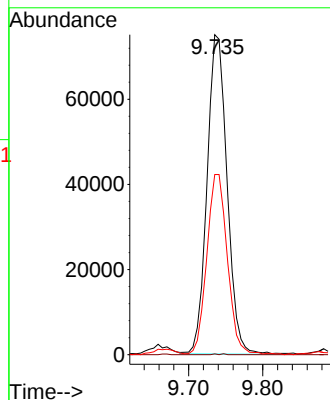
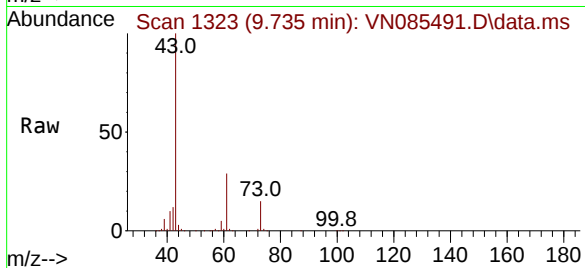
Tgt Ion: 41 Resp: 141135

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 58.1 49.0 73.6



#50

Toluene-d8

Concen: 50.199 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085491.D

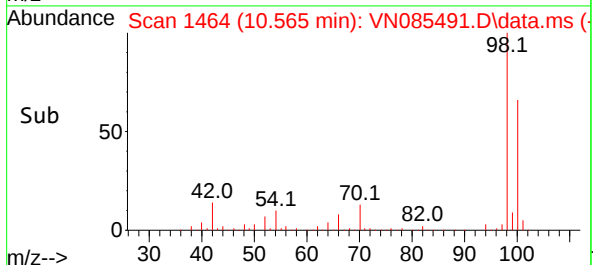
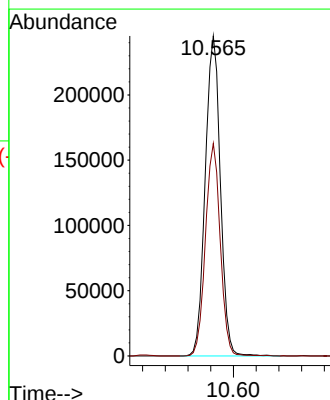
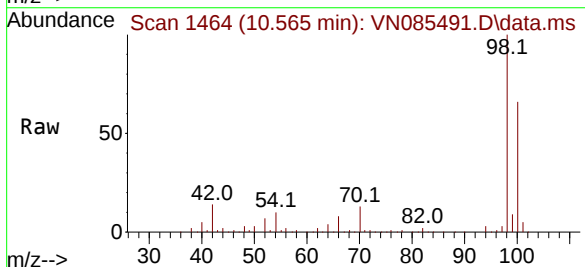
Acq: 17 Jan 2025 14:24

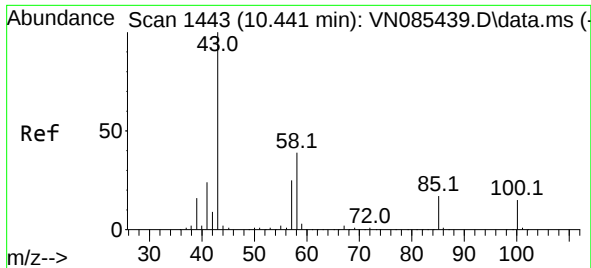
Tgt Ion: 98 Resp: 452140

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4

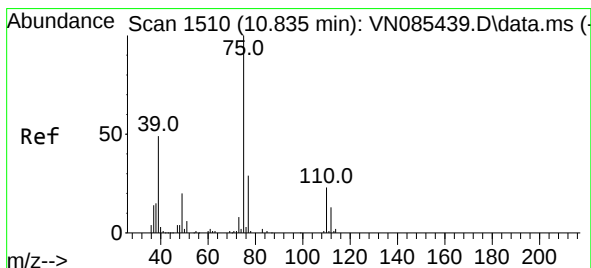
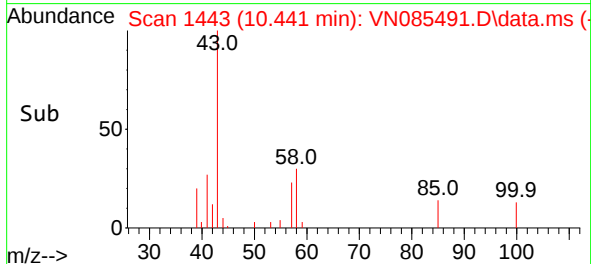
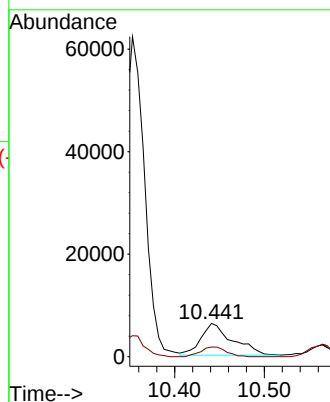
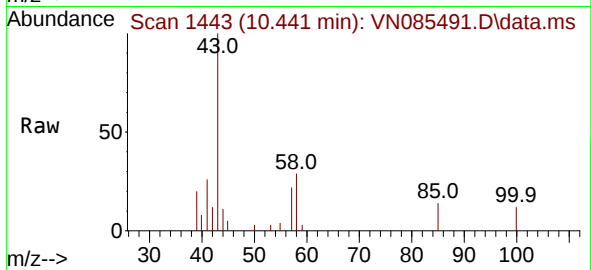




#51
4-Methyl-2-Pentanone
Concen: 4.513 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

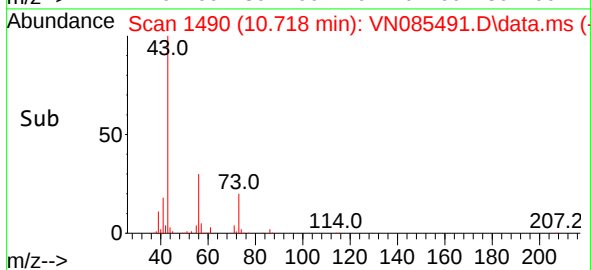
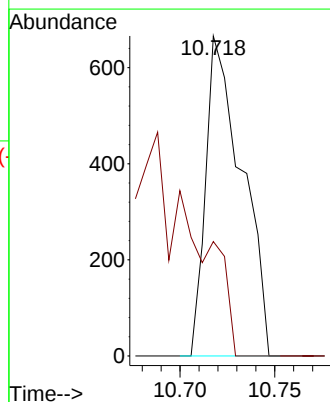
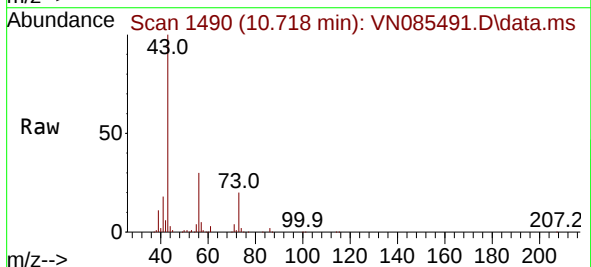
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

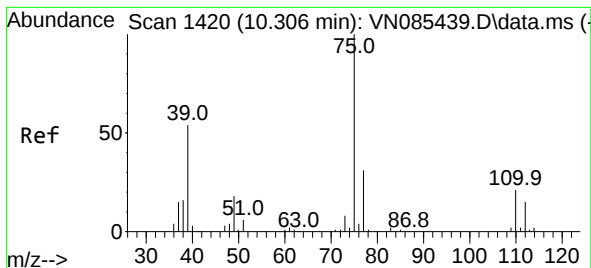
Tgt Ion: 43 Resp: 15071
Ion Ratio Lower Upper
43 100
58 24.6 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.233 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.118 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 75 Resp: 884
Ion Ratio Lower Upper
75 100
77 35.7 23.5 35.3#

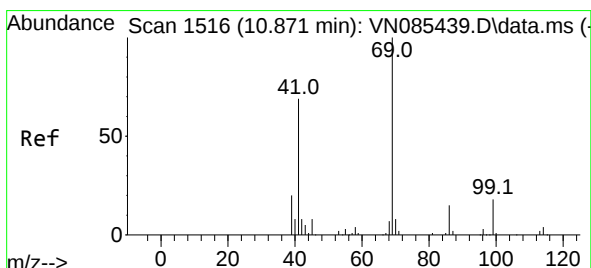
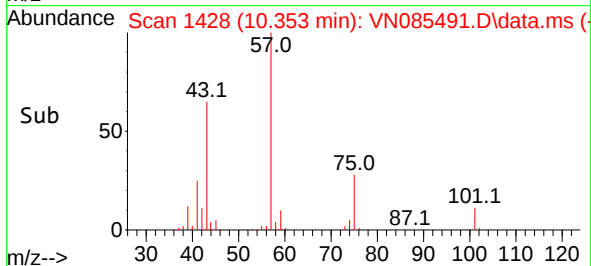
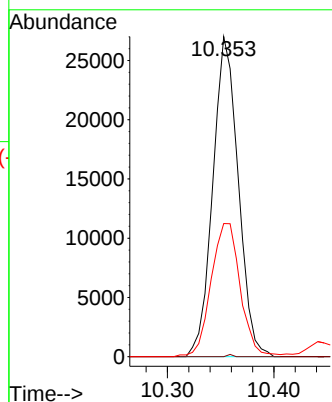
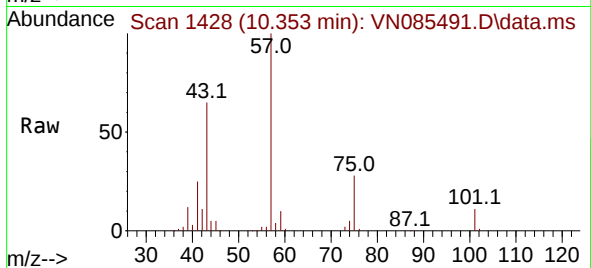




#54
cis-1,3-Dichloropropene
Concen: 11.041 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

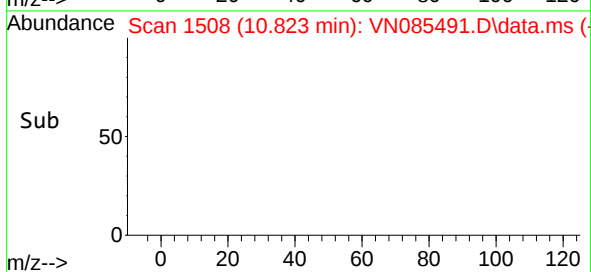
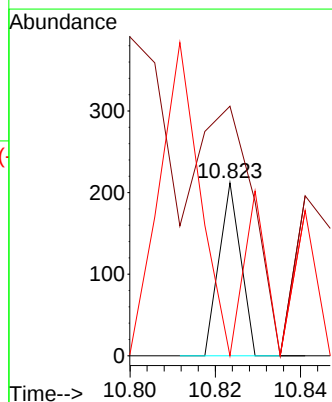
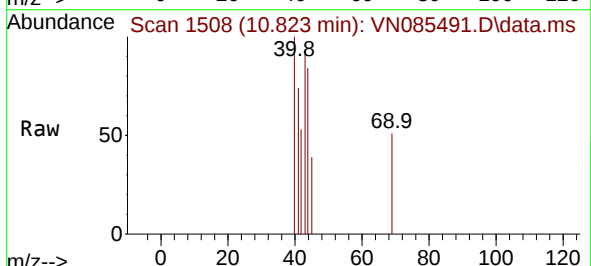
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

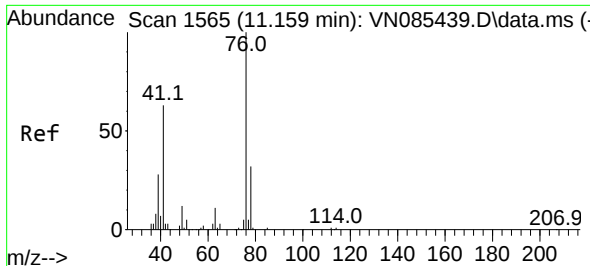
Tgt Ion: 75 Resp: 44737
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 41.0 43.1 64.7#



#56
Ethyl methacrylate
Concen: 1.949 ug/l
RT: 10.823 min Scan# 1508
Delta R.T. -0.048 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 69 Resp: 75
Ion Ratio Lower Upper
69 100
41 0.0 54.6 82.0#
39 0.0 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.561 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085491.D

Acq: 17 Jan 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

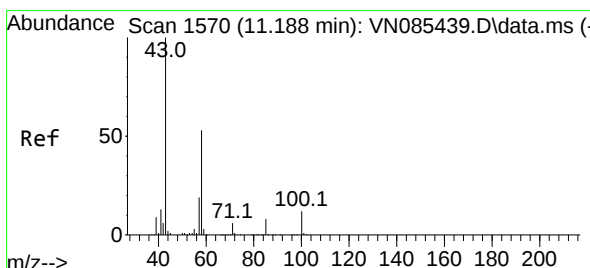
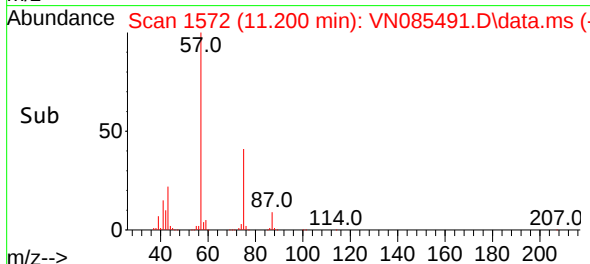
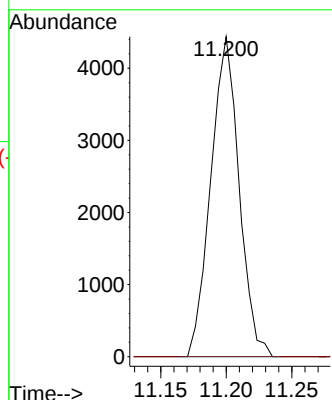
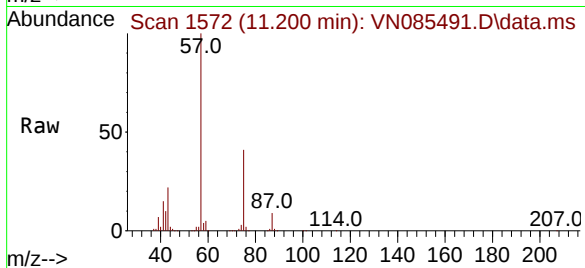
PB166090ZHE#02

Tgt Ion: 76 Resp: 6655

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 35.829 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085491.D

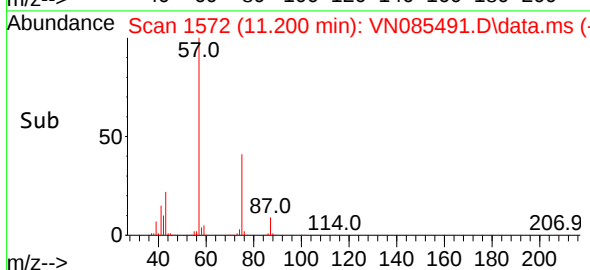
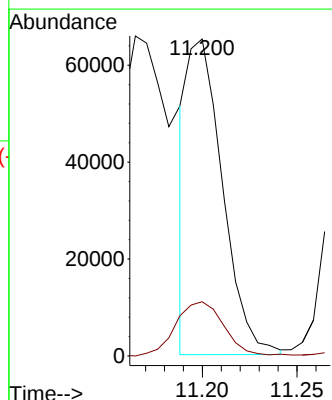
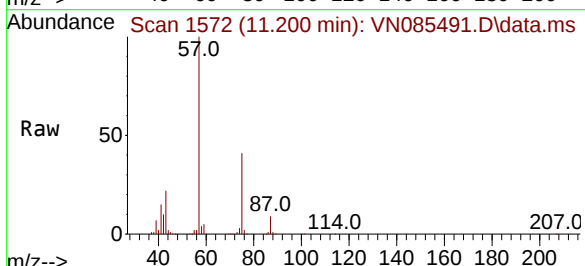
Acq: 17 Jan 2025 14:24

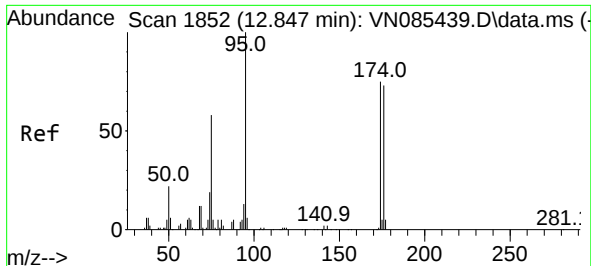
Tgt Ion: 43 Resp: 84180

Ion Ratio Lower Upper

43 100

58 23.8 26.2 78.6#

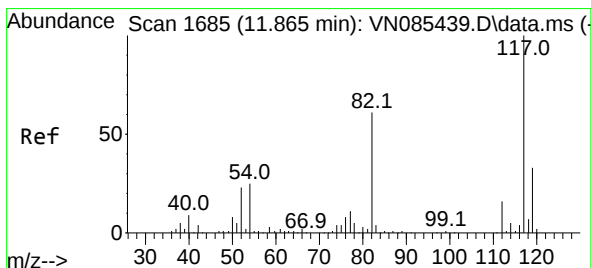
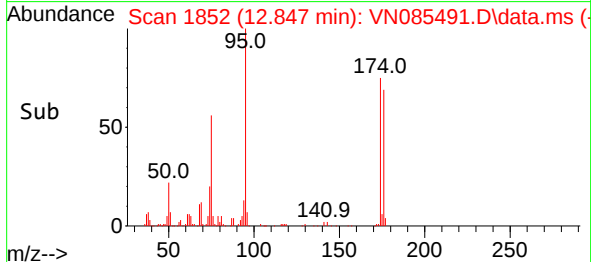
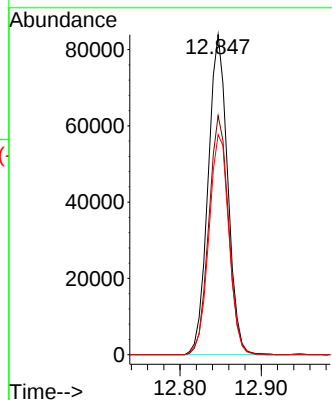
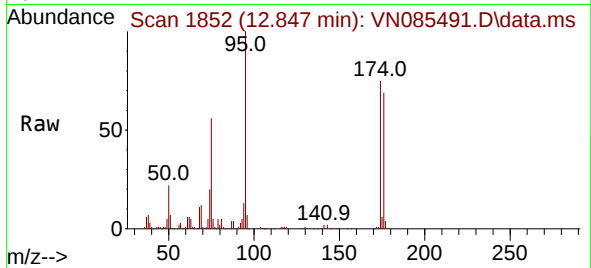




#62
4-Bromofluorobenzene
Concen: 45.506 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

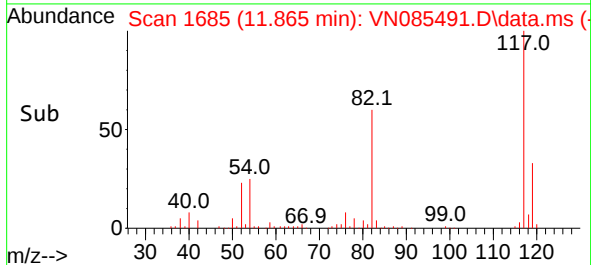
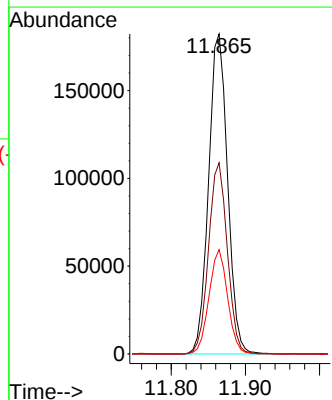
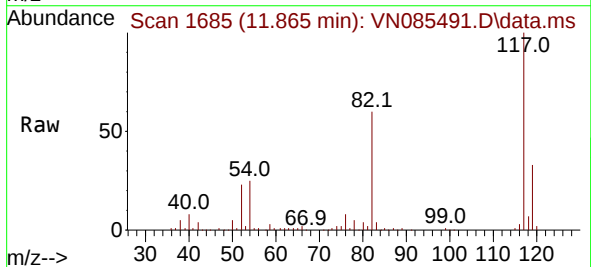
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

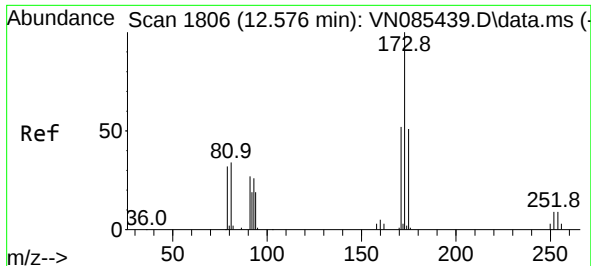
Tgt Ion: 95 Resp: 140205
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.0
176 70.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion: 117 Resp: 324540
Ion Ratio Lower Upper
117 100
82 59.8 48.6 72.8
119 32.6 26.6 39.8

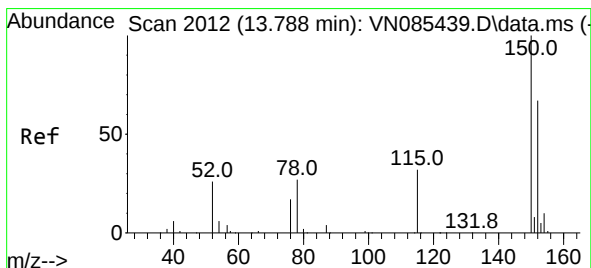
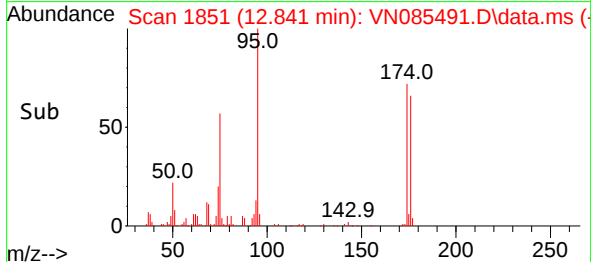
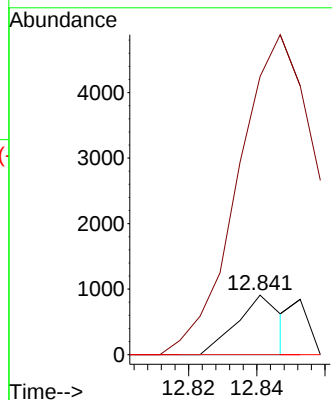
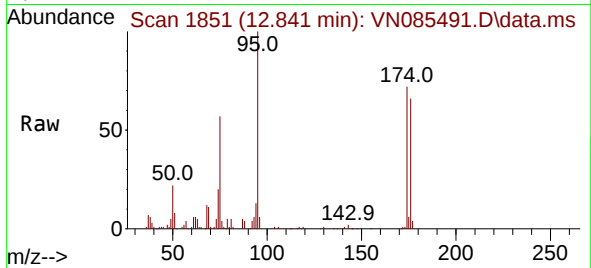




#71
Bromoform
Concen: 0.438 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

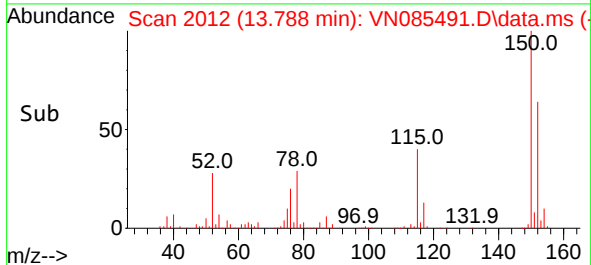
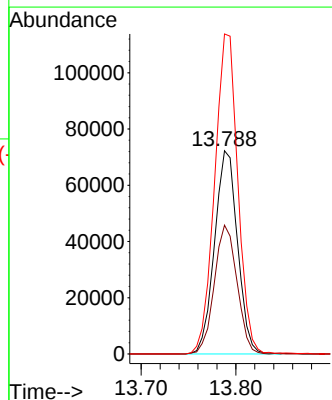
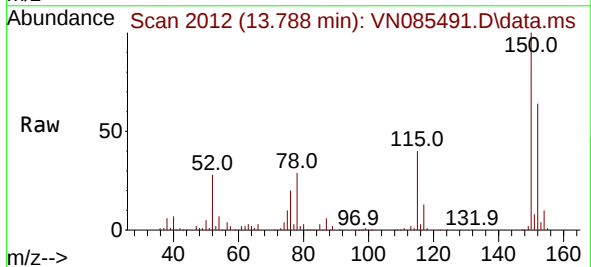
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

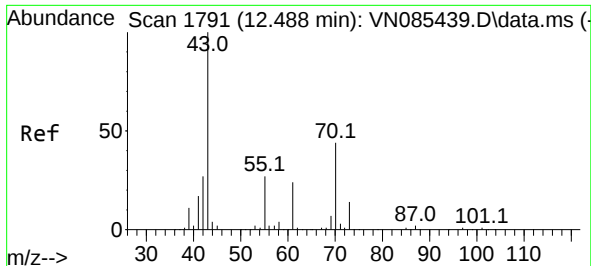
Tgt Ion:173 Resp: 817
Ion Ratio Lower Upper
173 100
175 787.0 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Tgt Ion:152 Resp: 121820
Ion Ratio Lower Upper
152 100
115 62.6 31.1 93.3
150 159.3 0.0 343.6

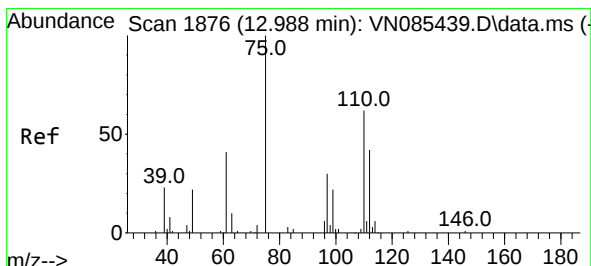
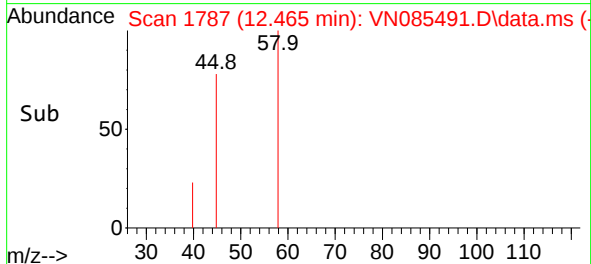
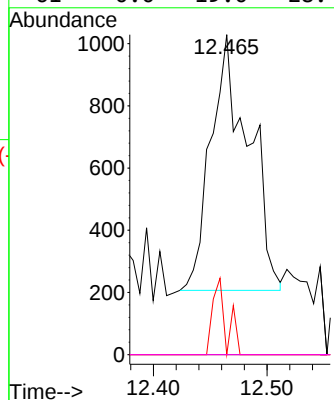
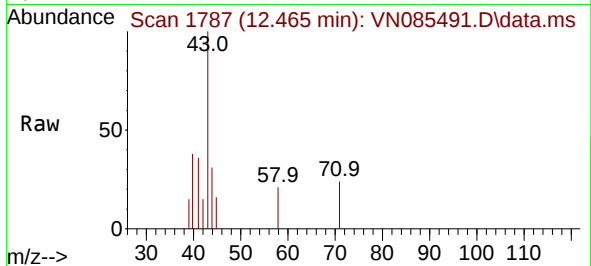




#74
N-amy1 acetate
Concen: 0.516 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

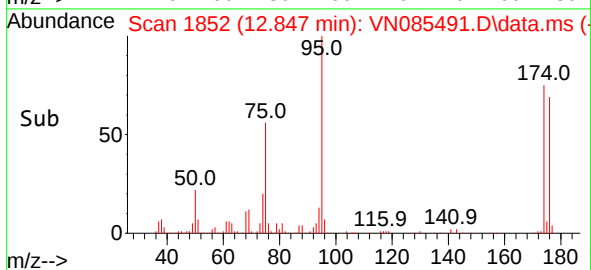
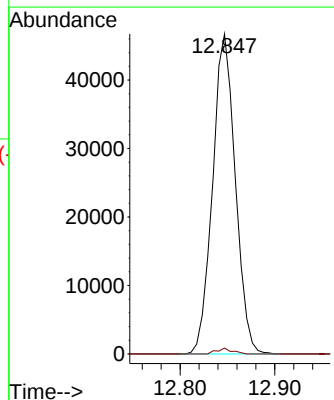
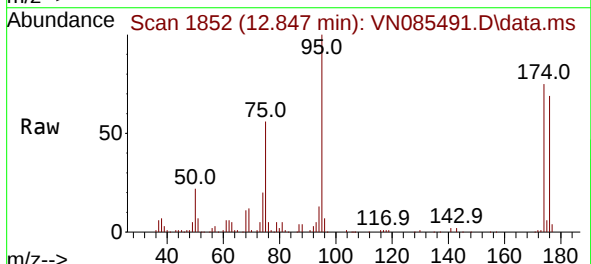
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02

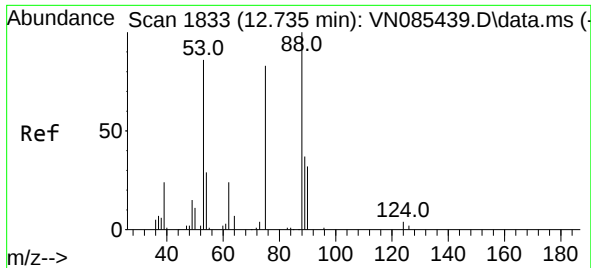
Tgt Ion: 43	Resp: 1908
Ion Ratio	Lower Upper
43 100	
70 0.0	34.0 51.0#
55 10.8	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 31.437 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

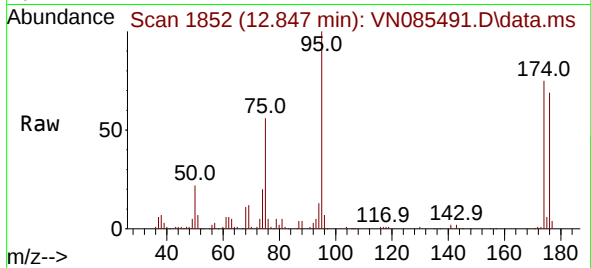
Tgt Ion: 75	Resp: 77838
Ion Ratio	Lower Upper
75 100	
77 1.2	109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.054 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085491.D
Acq: 17 Jan 2025 14:24

Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#02



Tgt Ion: 75 Resp: 77838
Ion Ratio Lower Upper
75 100
53 0.3 95.6 143.4#
89 0.0 37.0 55.6#

