

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085494.D
 Acq On : 17 Jan 2025 15:36
 Operator : JC\MD
 Sample : Q1115-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166090ZHE#05

Quant Time: Jan 17 22:37:06 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

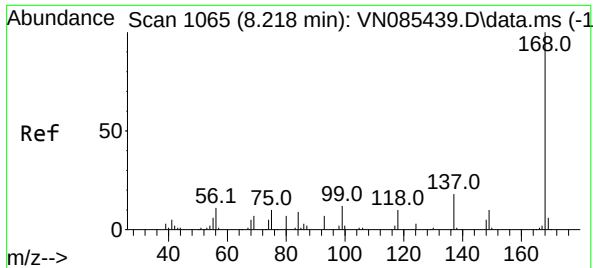
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	171685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	338097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154623	55.793	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.580%			
35) Dibromofluoromethane	8.165	113	114448	48.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.580%			
50) Toluene-d8	10.565	98	425716	51.083	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.847	95	131193	46.020	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.040%			
Target Compounds						Qvalue
5) Bromomethane	2.971	94	313	0.205	ug/l #	81
11) Tert butyl alcohol	5.524	59	1355	4.270	ug/l #	71
13) Acrolein	4.183	56	432	0.997	ug/l #	76
16) Acetone	4.424	43	132400	147.859	ug/l	98
18) Methyl Acetate	5.036	43	3335	1.225	ug/l #	82
20) Methylene Chloride	5.277	84	2435	1.098	ug/l #	74
23) Vinyl Acetate	6.465	43	2420	0.521	ug/l #	72
25) 2-Butanone	7.488	43	14246	10.811	ug/l	93
30) Chloroform	7.971	83	1274	0.305	ug/l #	76
31) Cyclohexane	8.224	56	4871	1.385	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16703	5.074	ug/l #	50
37) Ethyl Acetate	7.565	43	3885	1.169	ug/l #	81
38) Carbon Tetrachloride	8.224	117	20450	5.426	ug/l #	16
43) Isopropyl Acetate	8.688	43	233385	43.835	ug/l #	77
45) 1,2-Dichloropropane	9.735	63	1388	0.549	ug/l #	43
48) Methyl methacrylate	9.665	41	4006	1.672	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	15731	5.092	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	41208	10.991	ug/l #	68
56) Ethyl methacrylate	10.812	69	158	1.971	ug/l #	23
57) 1,3-Dichloropropane	11.200	76	5146	1.305	ug/l #	43
59) 2-Hexanone	11.171	43	117933	54.249	ug/l #	26
74) N-amyl acetate	12.459	43	1222	0.345	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	73802	31.118	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73802	84.193	ug/l #	3

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

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Response via : Initial Calibration

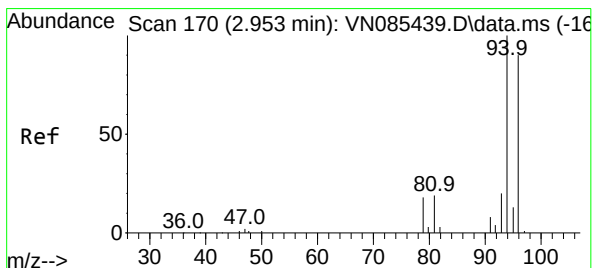
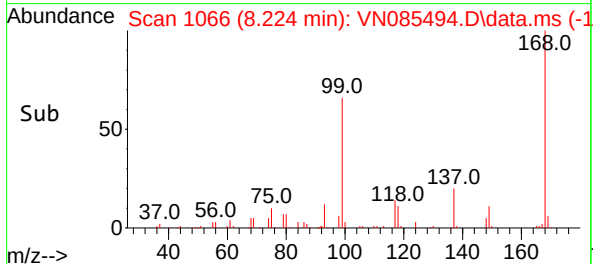
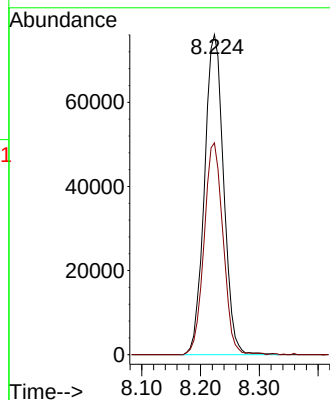
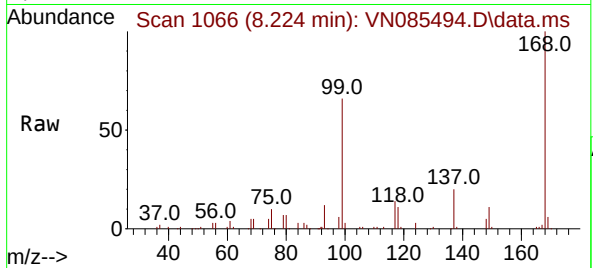




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

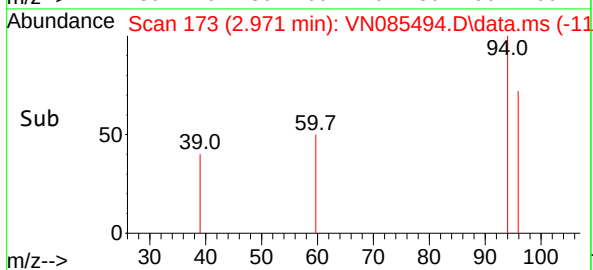
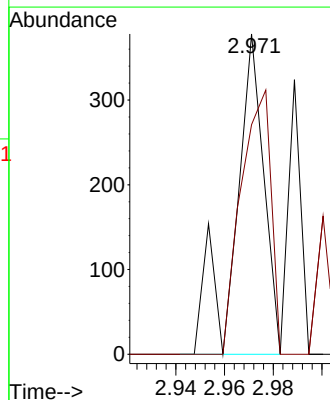
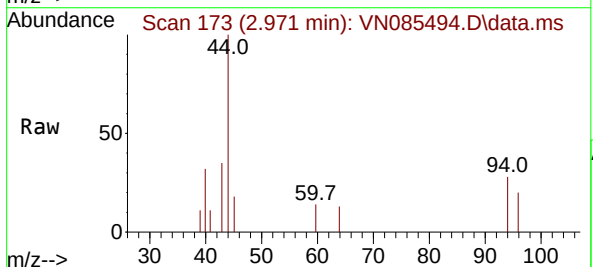
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

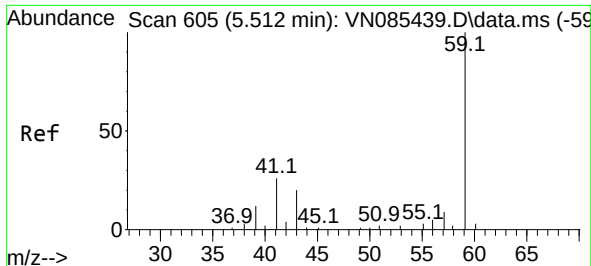
Tgt Ion:168 Resp: 171685
Ion Ratio Lower Upper
168 100
99 66.2 53.6 80.4



#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.018 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 71.7 71.8 107.6#

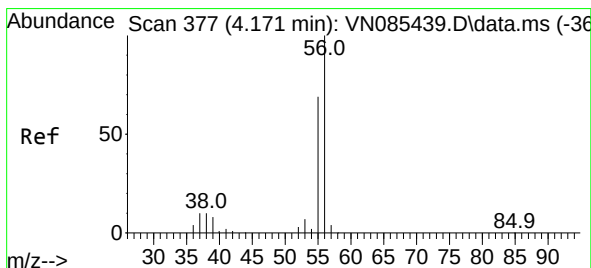
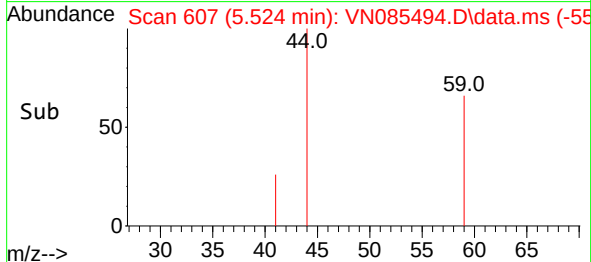
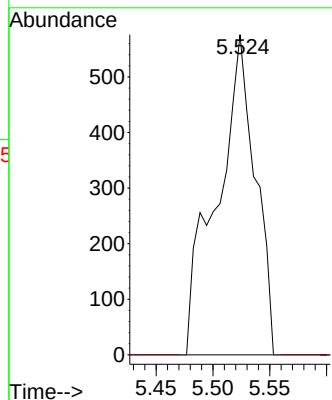
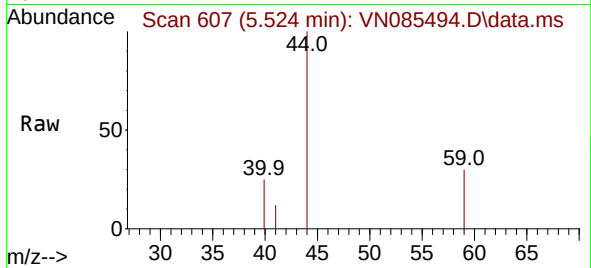




#11
Tert butyl alcohol
Concen: 4.270 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

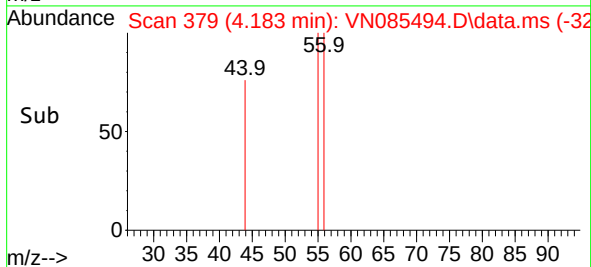
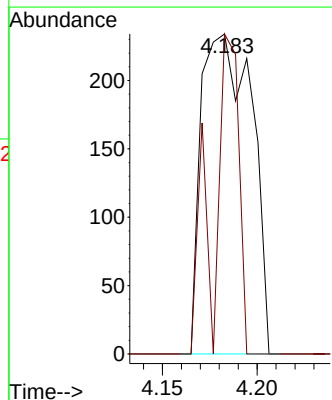
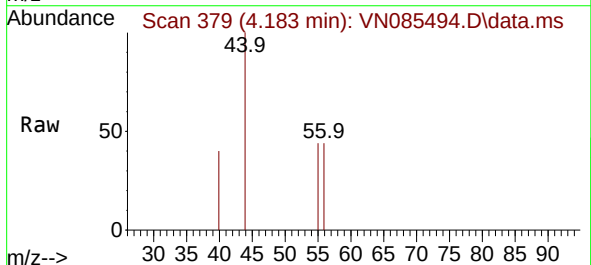
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

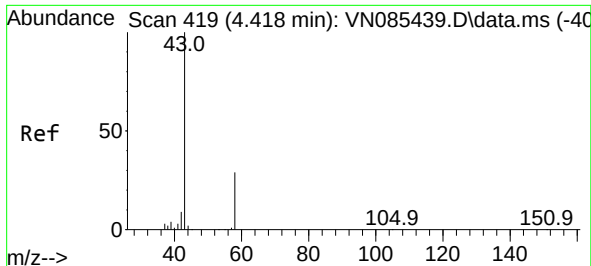
Tgt Ion: 59 Resp: 1355
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.997 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion: 56 Resp: 432
Ion Ratio Lower Upper
56 100
55 50.9 56.3 84.5#

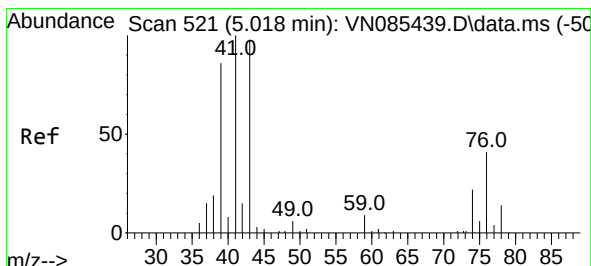
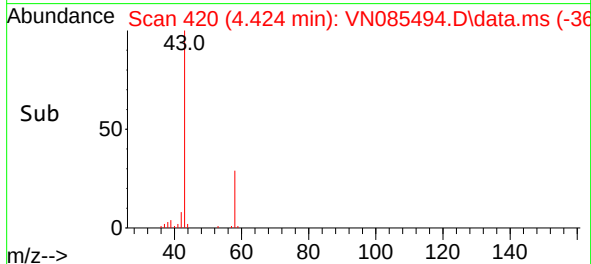
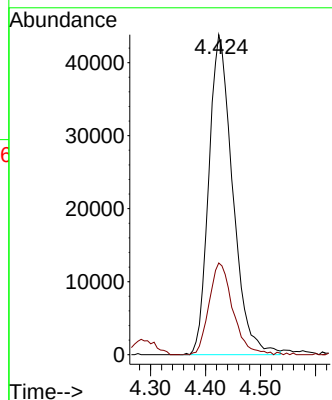
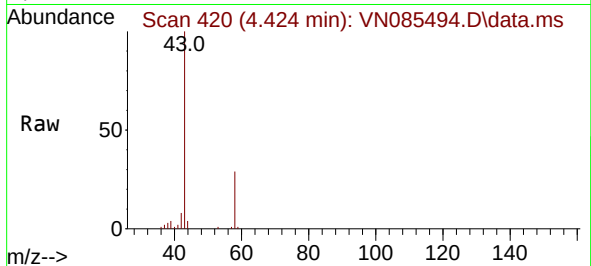




#16
Acetone
Concen: 147.859 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

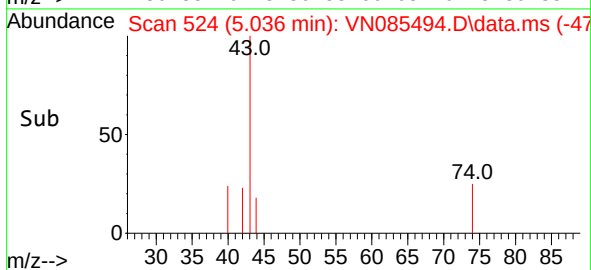
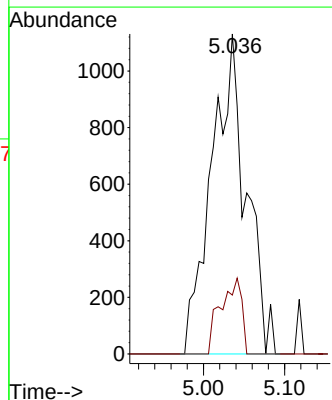
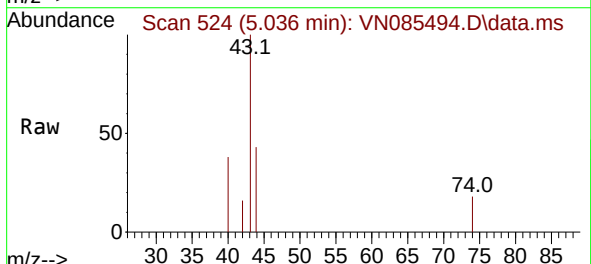
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

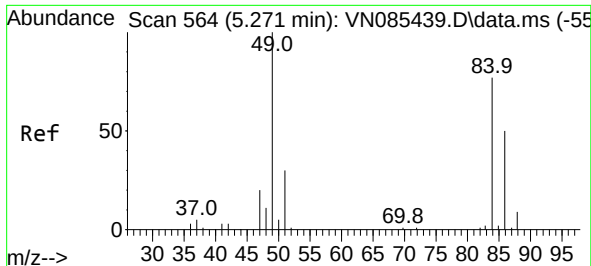
Tgt Ion: 43 Resp: 132400
Ion Ratio Lower Upper
43 100
58 28.6 23.8 35.6



#18
Methyl Acetate
Concen: 1.225 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

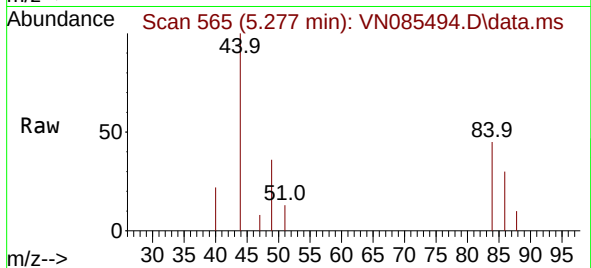
Tgt Ion: 43 Resp: 3335
Ion Ratio Lower Upper
43 100
74 14.5 18.6 28.0#



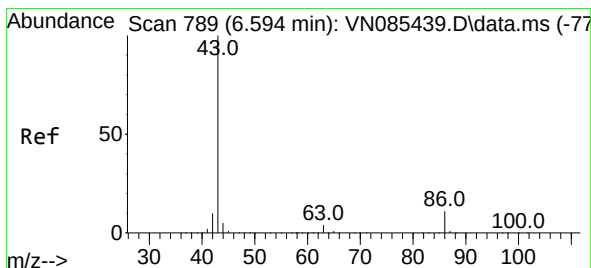
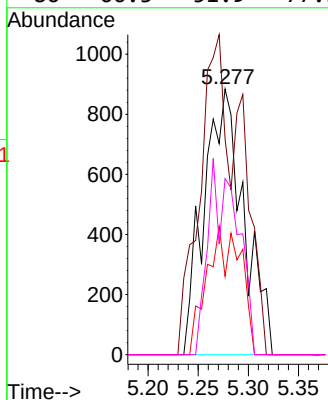
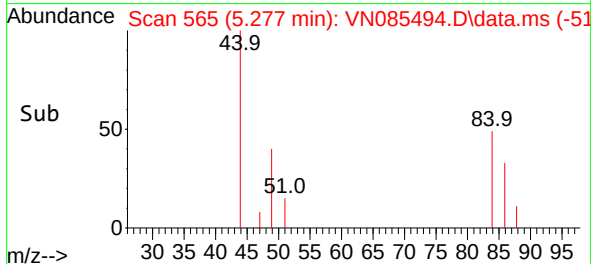


#20
Methylene Chloride
Concen: 1.098 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

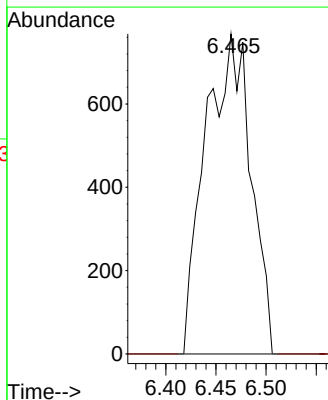
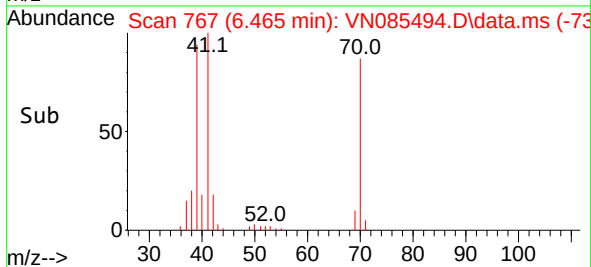
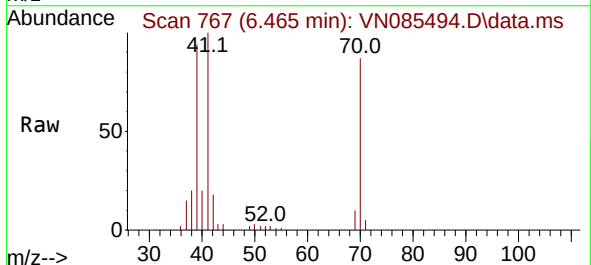


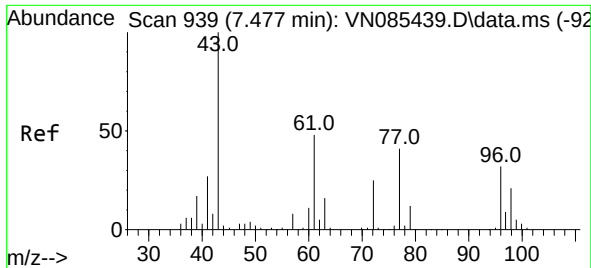
Tgt Ion:	84	Resp:	2435
Ion	Ratio	Lower	Upper
84	100		
49	81.2	104.1	156.1#
51	29.5	31.0	46.4#
86	66.3	51.9	77.9



#23
Vinyl Acetate
Concen: 0.521 ug/l
RT: 6.465 min Scan# 767
Delta R.T. -0.129 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion:	43	Resp:	2420
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.4	12.6#

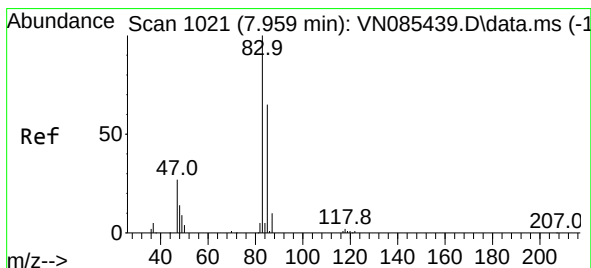
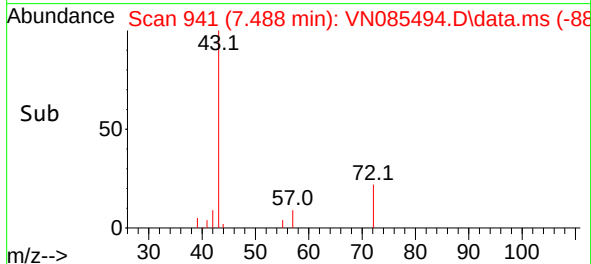
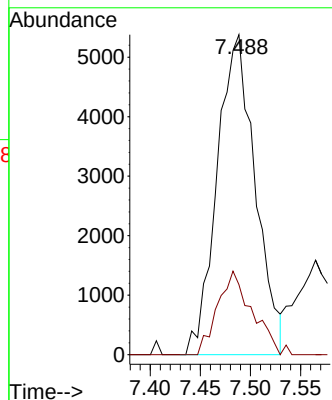
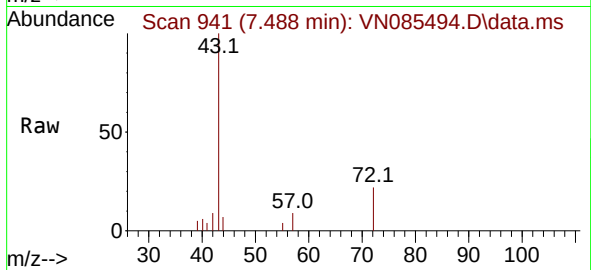




#25
2-Butanone
Concen: 10.811 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

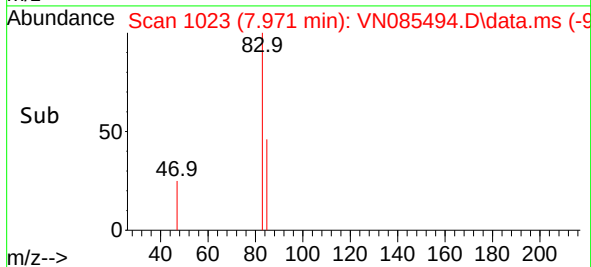
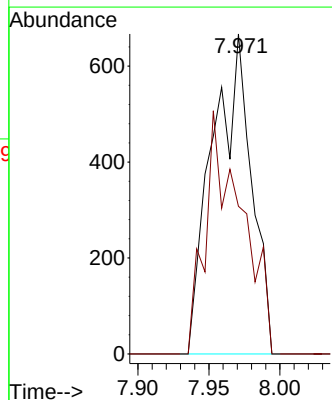
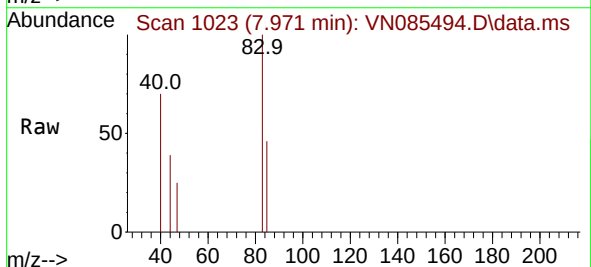
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

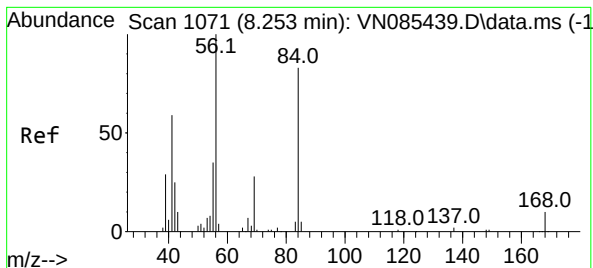
Tgt Ion: 43 Resp: 14246
Ion Ratio Lower Upper
43 100
72 21.9 20.2 30.4



#30
Chloroform
Concen: 0.305 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion: 83 Resp: 1274
Ion Ratio Lower Upper
83 100
85 46.2 51.8 77.6#





#31

Cyclohexane

Concen: 1.385 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

PB166090ZHE#05

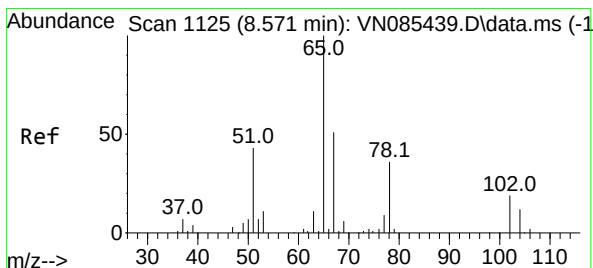
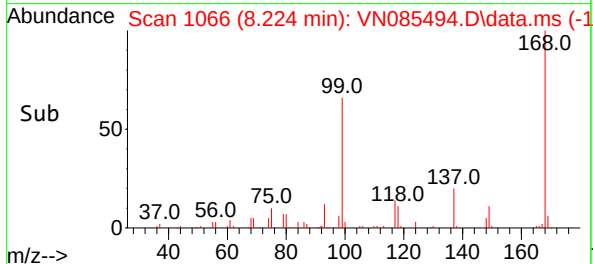
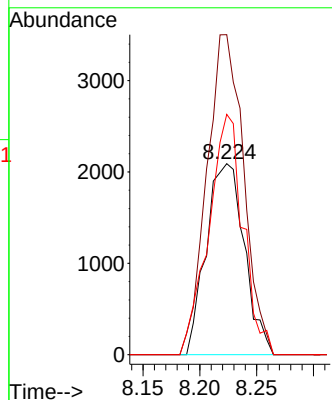
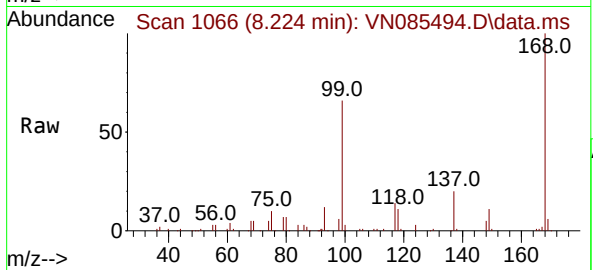
Tgt Ion: 56 Resp: 4871

Ion Ratio Lower Upper

56 100

69 167.5 22.2 33.4#

84 125.8 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 55.793 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085494.D

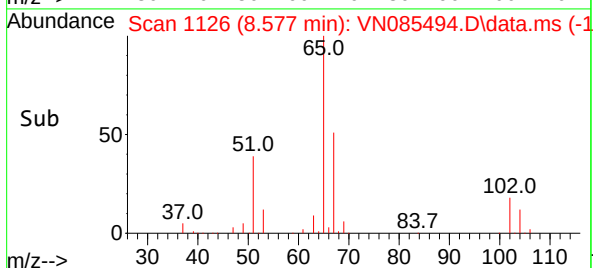
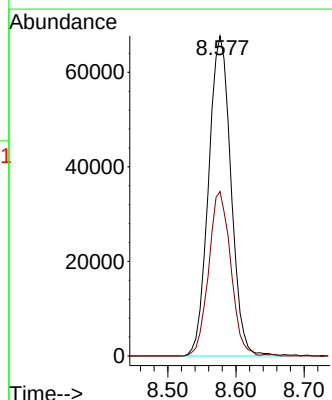
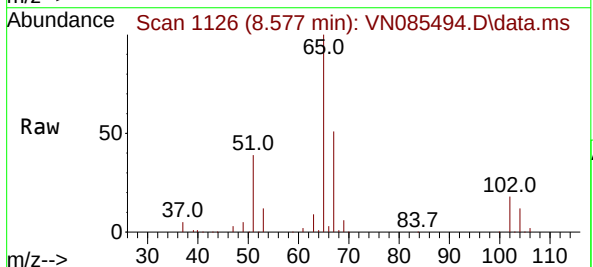
Acq: 17 Jan 2025 15:36

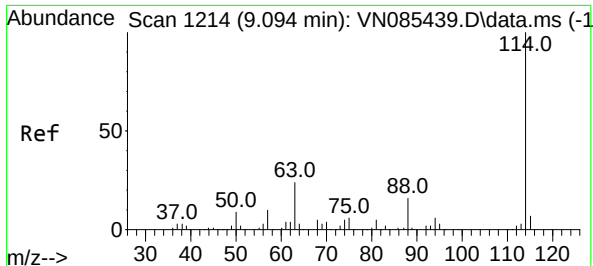
Tgt Ion: 65 Resp: 154623

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# 11

Delta R.T. 0.006 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

PB166090ZHE#05

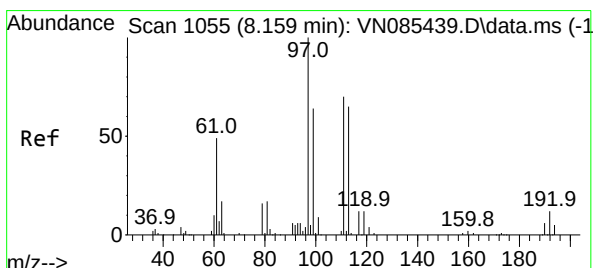
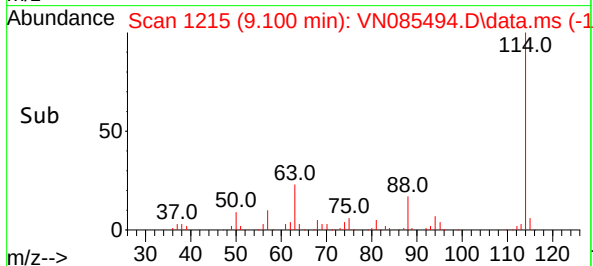
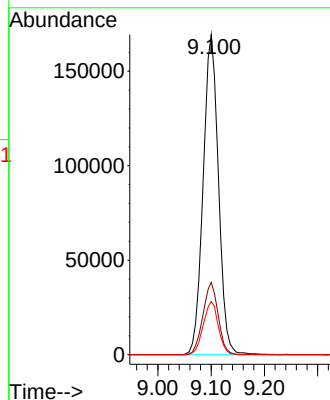
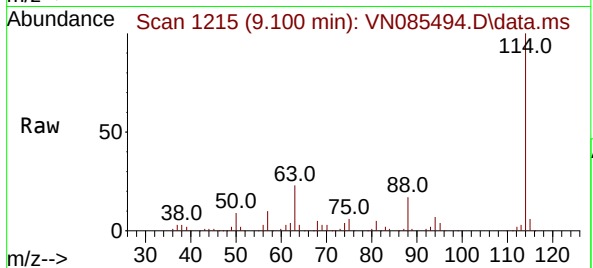
Tgt Ion:114 Resp: 338097

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.6

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.793 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

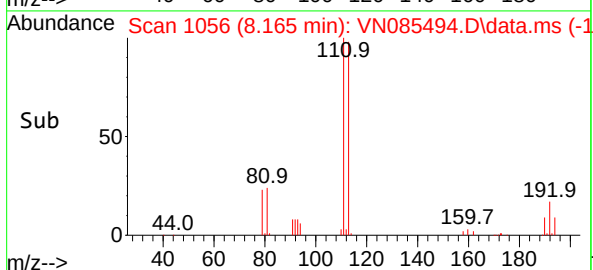
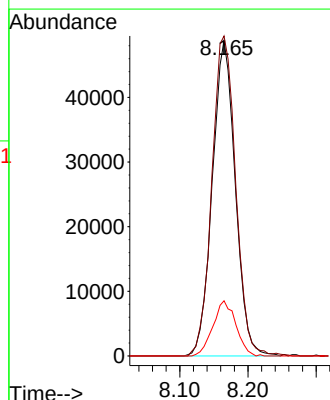
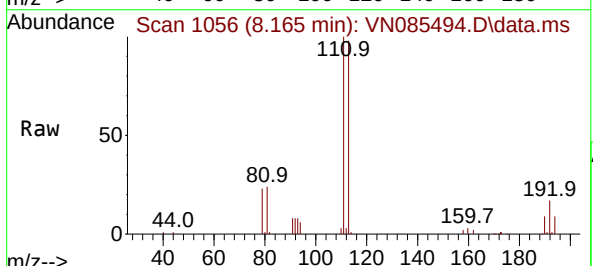
Tgt Ion:113 Resp: 114448

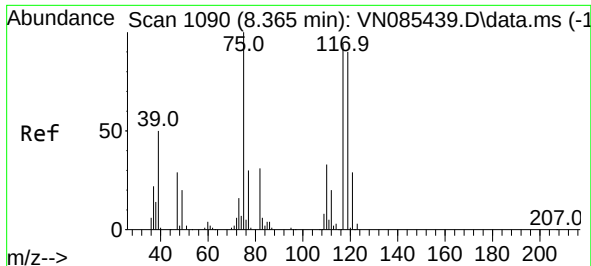
Ion Ratio Lower Upper

113 100

111 104.9 82.7 124.1

192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.074 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

PB166090ZHE#05

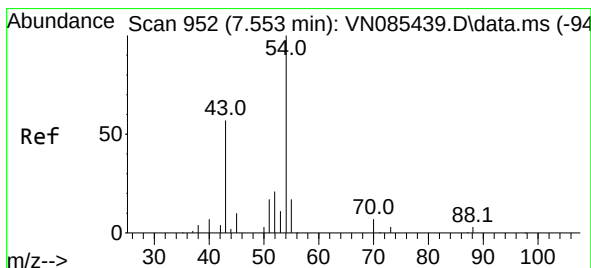
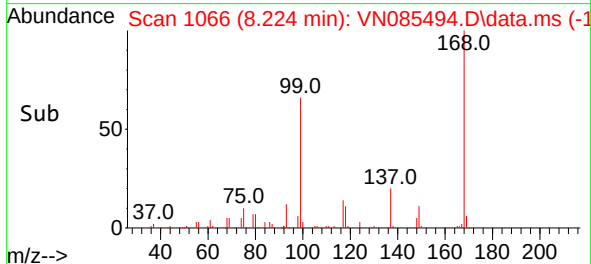
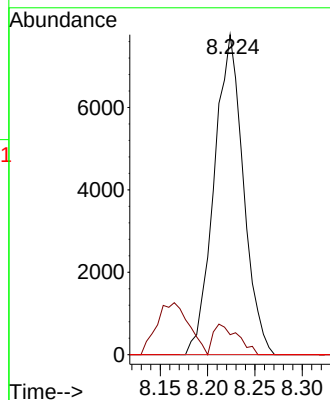
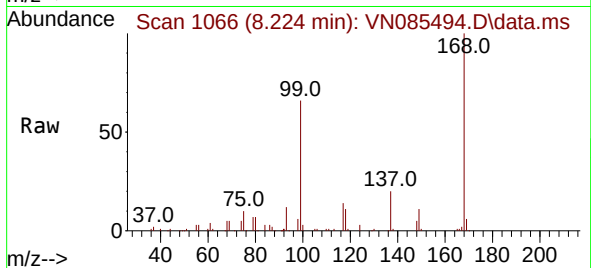
Tgt Ion: 75 Resp: 16703

Ion Ratio Lower Upper

75 100

110 8.0 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.169 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

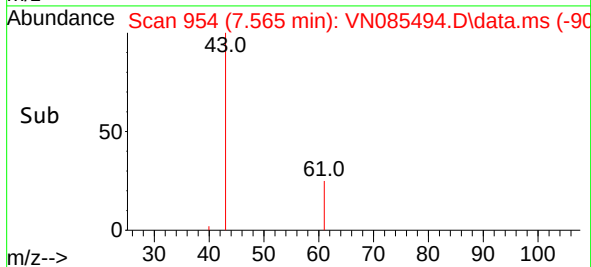
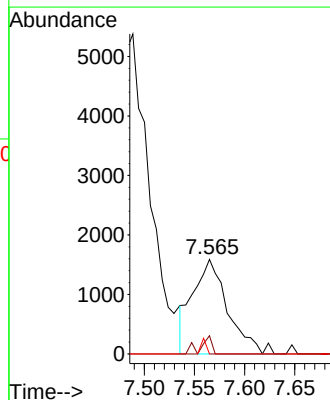
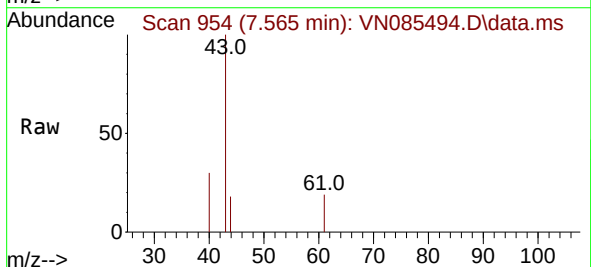
Tgt Ion: 43 Resp: 3885

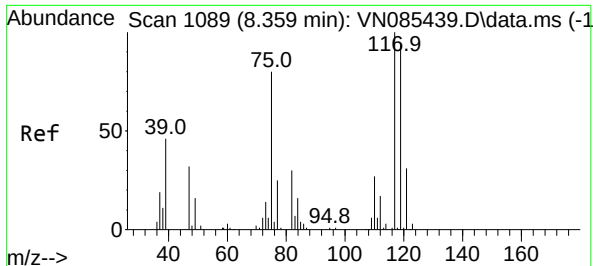
Ion Ratio Lower Upper

43 100

61 6.1 10.9 16.3#

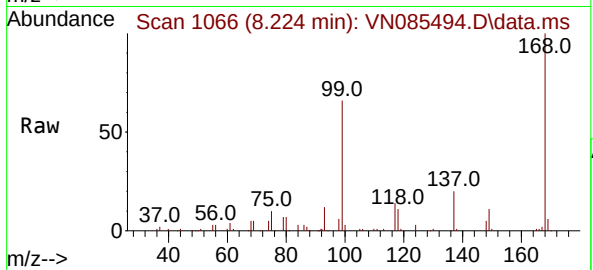
70 2.4 7.5 11.3#



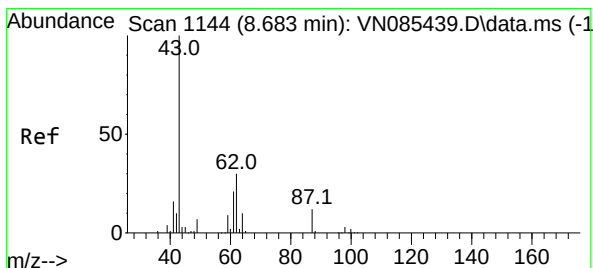
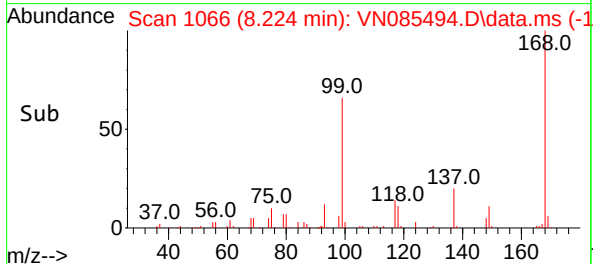
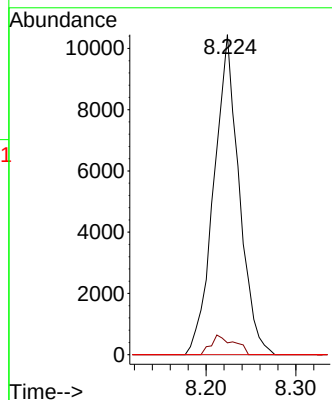


#38
Carbon Tetrachloride
Concen: 5.426 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

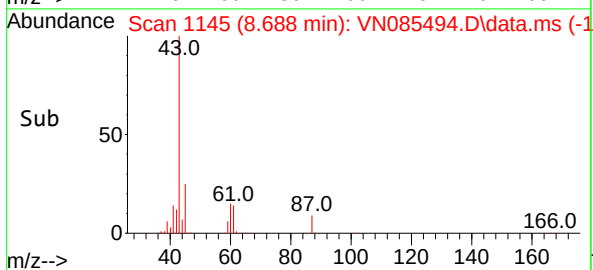
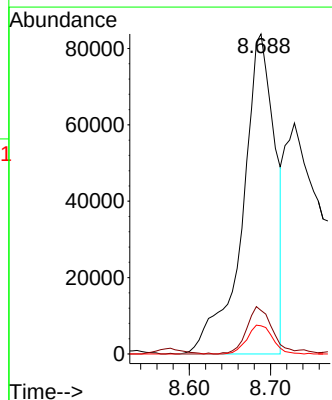
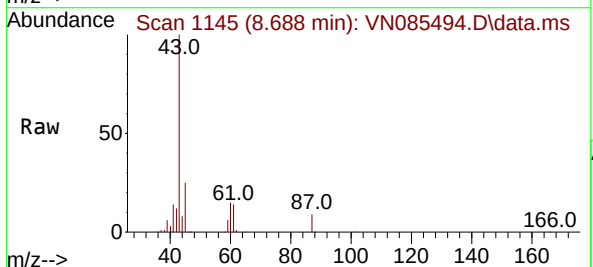


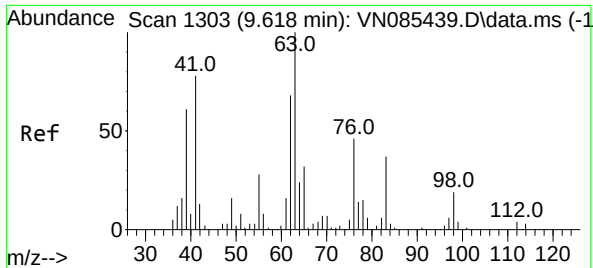
Tgt Ion:117 Resp: 20450
Ion Ratio Lower Upper
117 100
119 3.7 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 43.835 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion: 43 Resp: 233385
Ion Ratio Lower Upper
43 100
61 12.1 20.7 31.1#
87 7.1 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.549 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

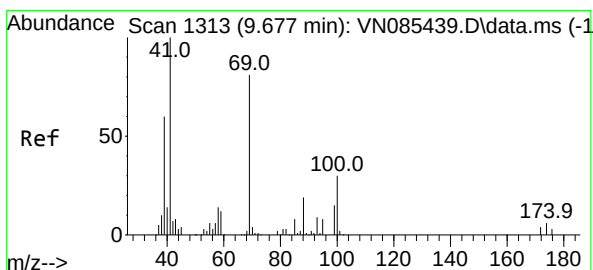
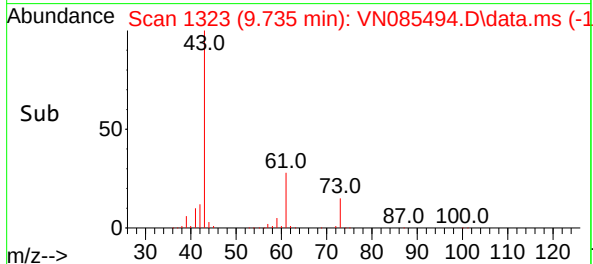
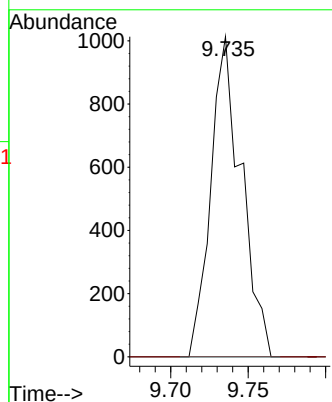
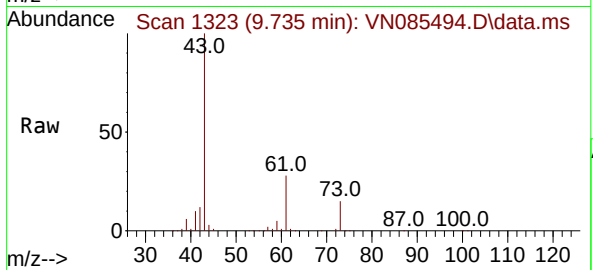
PB166090ZHE#05

Tgt Ion: 63 Resp: 1388

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.672 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

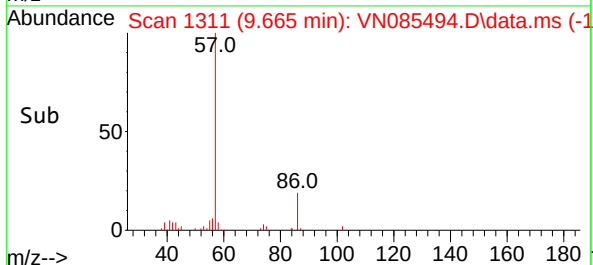
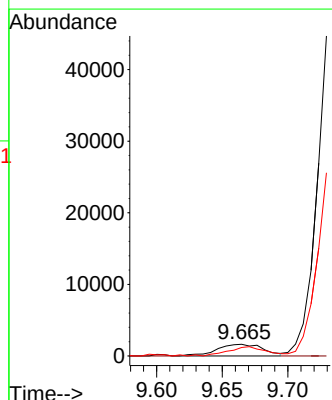
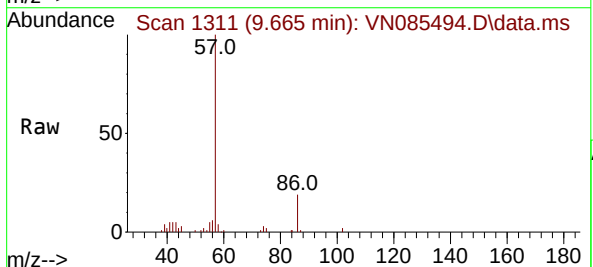
Tgt Ion: 41 Resp: 4006

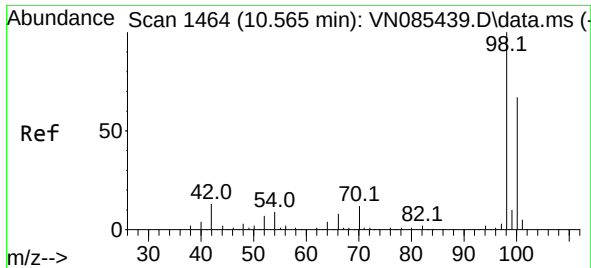
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 66.8 49.0 73.6

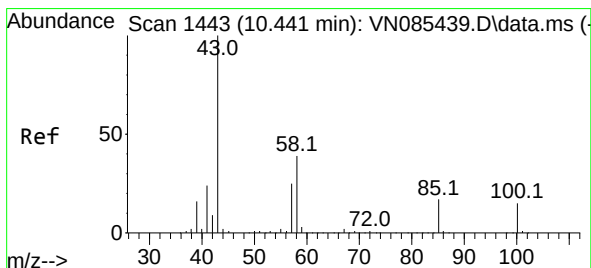
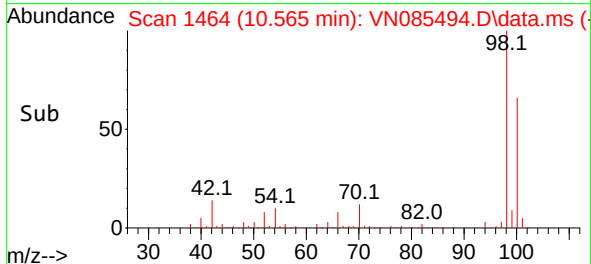
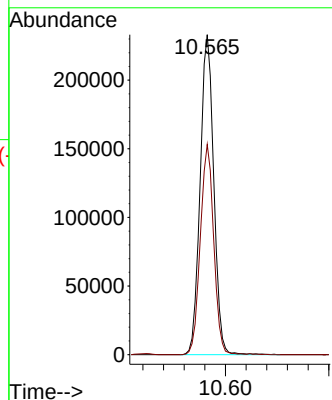
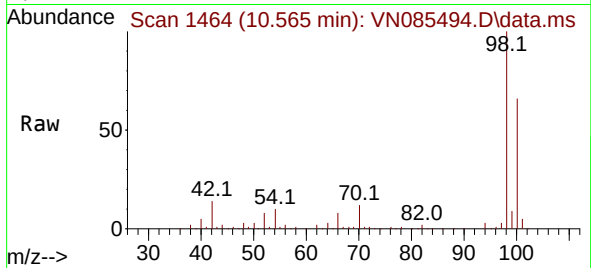




#50
Toluene-d8
Concen: 51.083 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

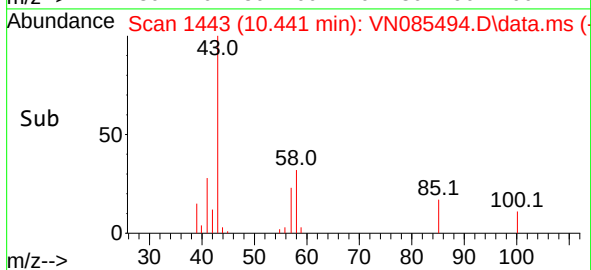
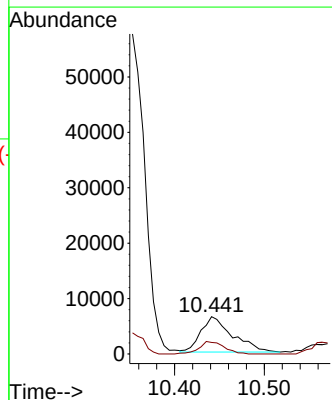
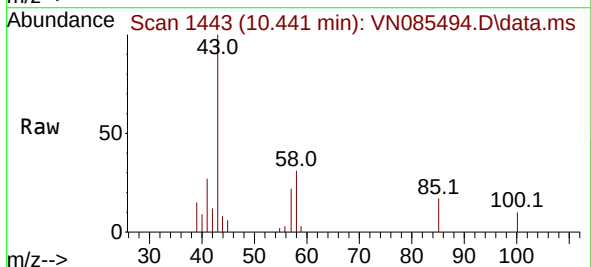
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

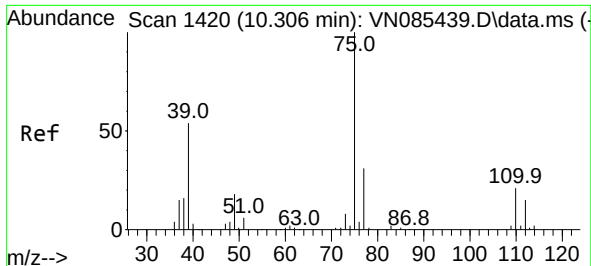
Tgt Ion: 98 Resp: 425716
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 5.092 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion: 43 Resp: 15731
Ion Ratio Lower Upper
43 100
58 27.6 30.5 45.7#

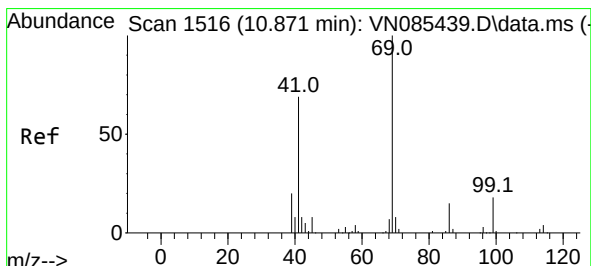
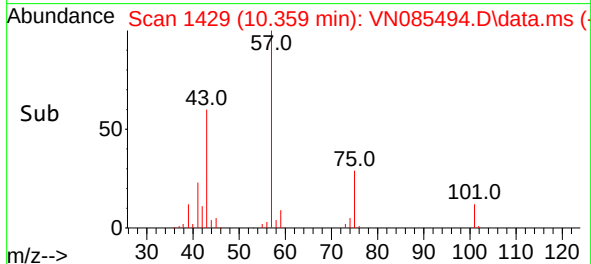
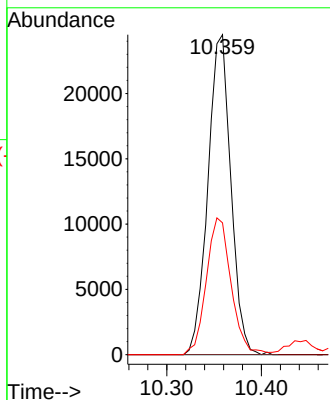
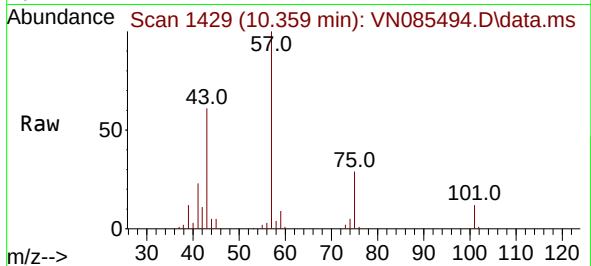




#54
 cis-1,3-Dichloropropene
 Concen: 10.991 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085494.D
 Acq: 17 Jan 2025 15:36

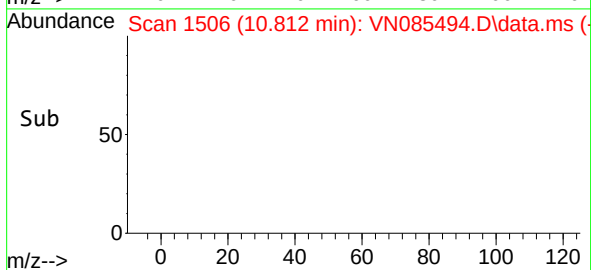
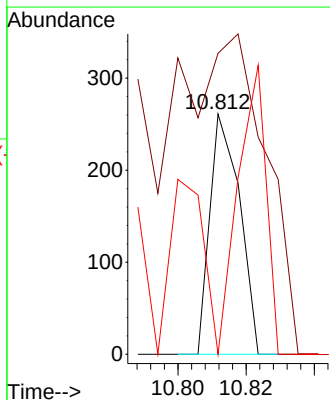
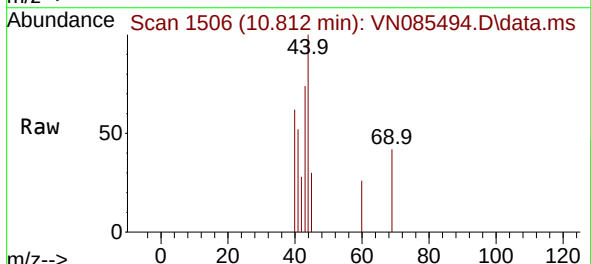
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166090ZHE#05

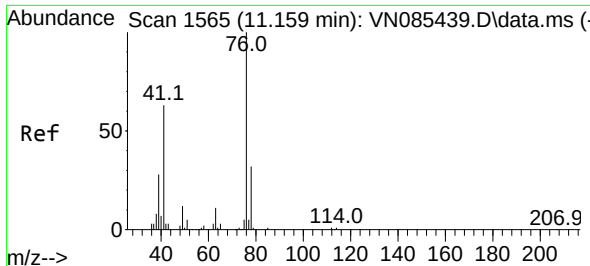
Tgt Ion: 75 Resp: 41208
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 41.2 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 1.971 ug/l
 RT: 10.812 min Scan# 1506
 Delta R.T. -0.059 min
 Lab File: VN085494.D
 Acq: 17 Jan 2025 15:36

Tgt Ion: 69 Resp: 158
 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: 1.305 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

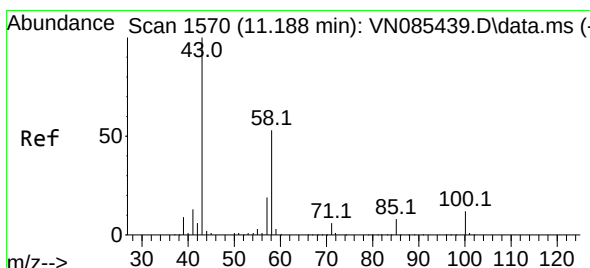
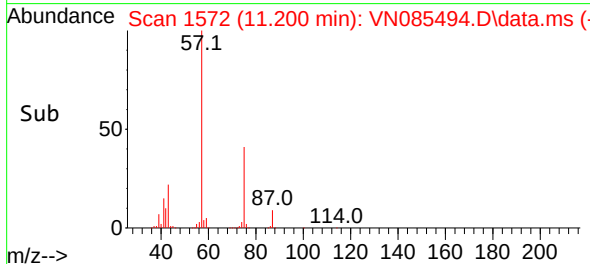
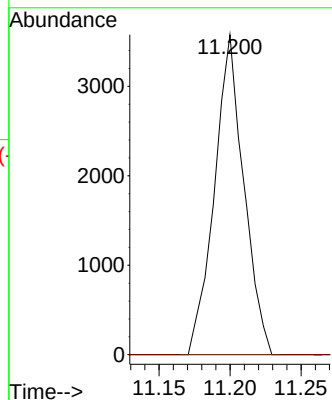
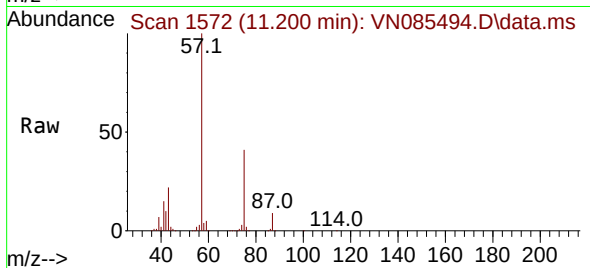
PB166090ZHE#05

Tgt Ion: 76 Resp: 5146

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 54.249 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.018 min

Lab File: VN085494.D

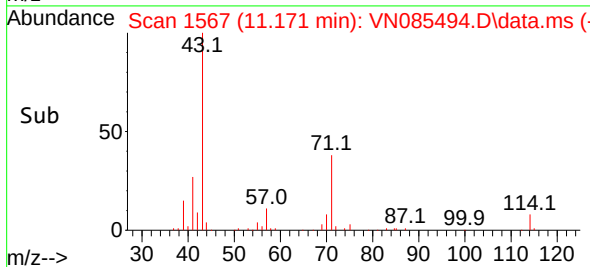
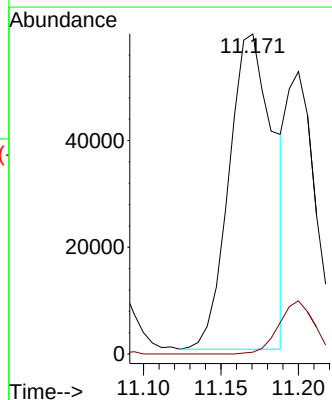
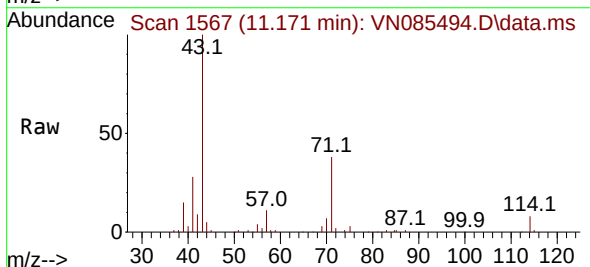
Acq: 17 Jan 2025 15:36

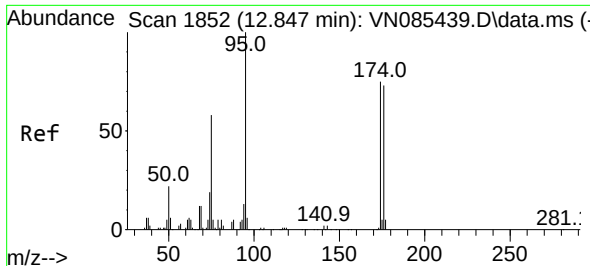
Tgt Ion: 43 Resp: 117933

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

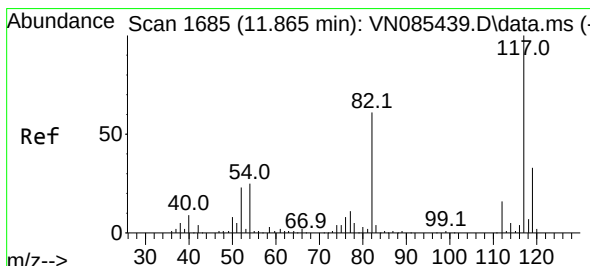
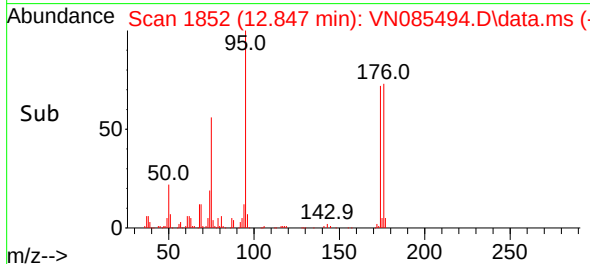
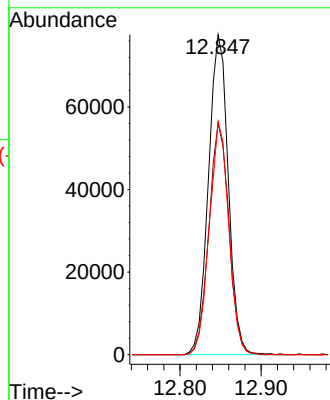
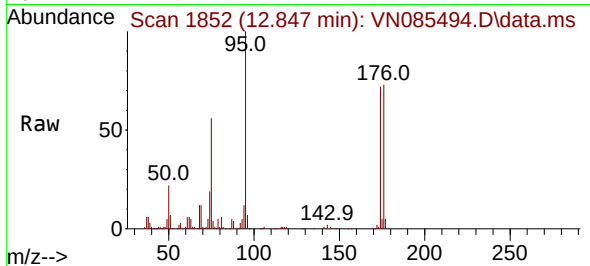




#62
4-Bromofluorobenzene
Concen: 46.020 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

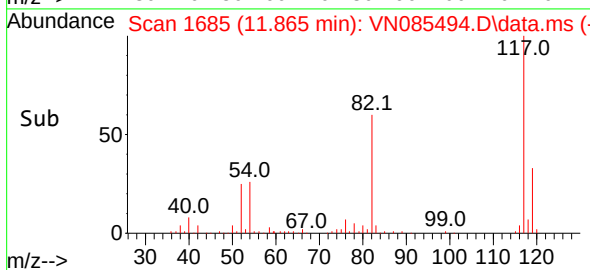
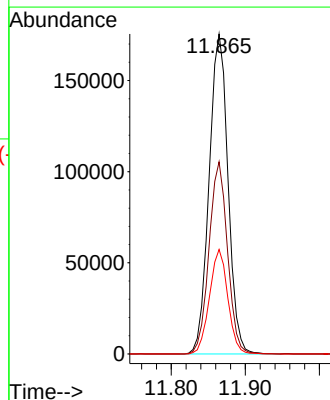
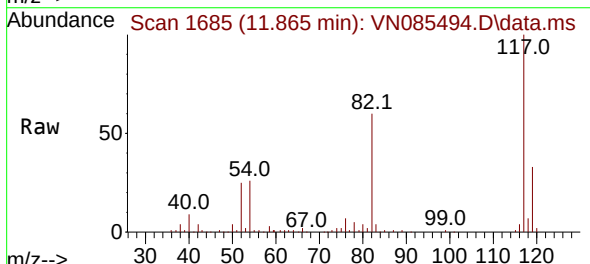
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

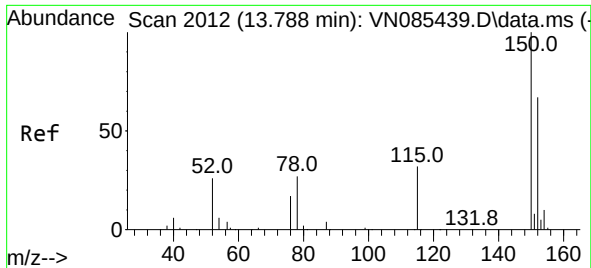
Tgt Ion: 95 Resp: 131193
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.0
176 71.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion: 117 Resp: 310797
Ion Ratio Lower Upper
117 100
82 60.1 48.6 72.8
119 32.6 26.6 39.8

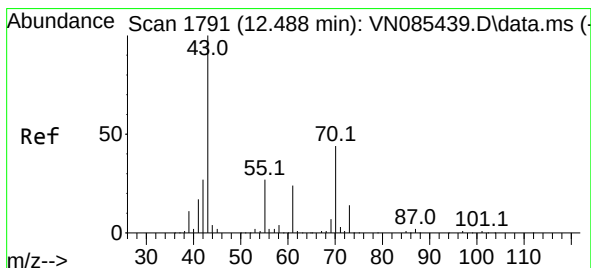
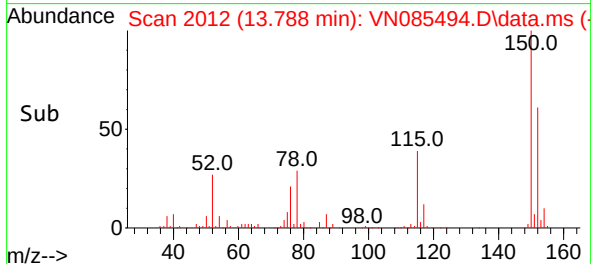
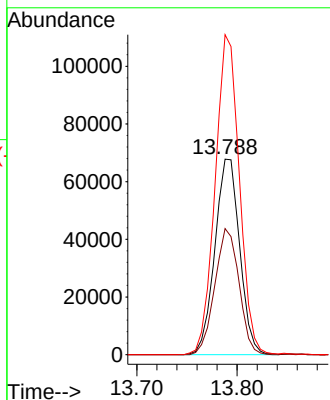
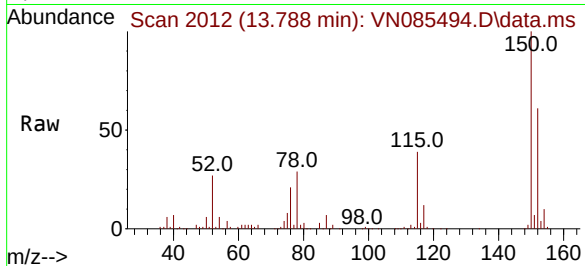




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

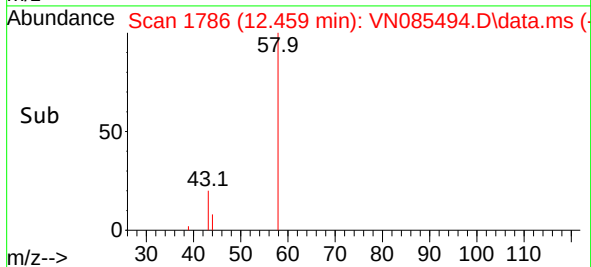
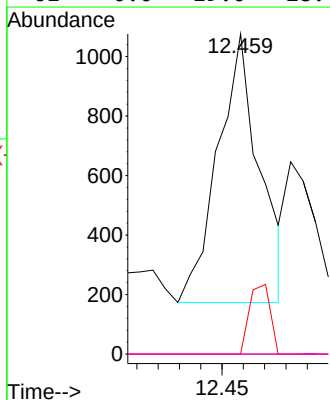
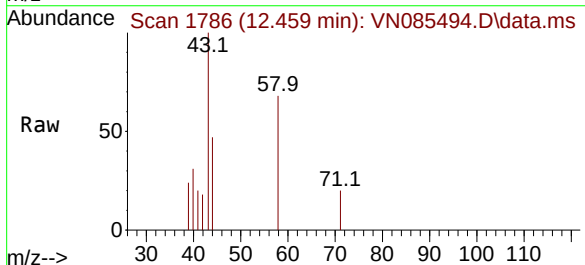
Instrument :
MSVOA_N
ClientSampleId :
PB166090ZHE#05

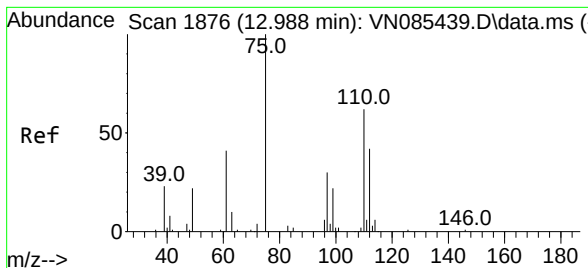
Tgt Ion:152 Resp: 116685
Ion Ratio Lower Upper
152 100
115 62.7 31.1 93.3
150 159.3 0.0 343.6



#74
N-ethyl acetate
Concen: 0.345 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN085494.D
Acq: 17 Jan 2025 15:36

Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 13.0 21.4 32.2#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 31.118 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

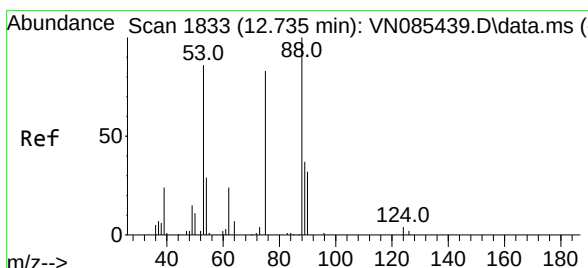
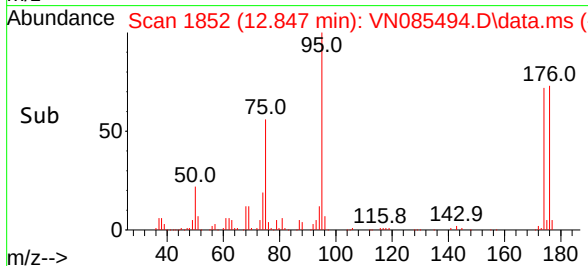
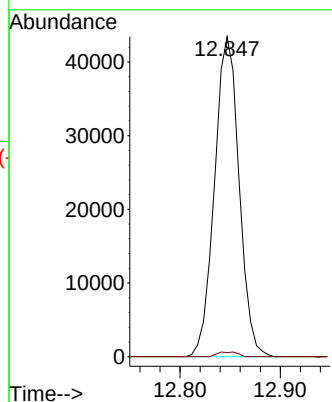
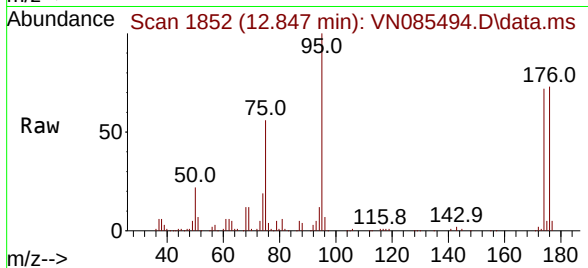
PB166090ZHE#05

Tgt Ion: 75 Resp: 73802

Ion Ratio Lower Upper

75 100

77 1.2 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.193 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085494.D

Acq: 17 Jan 2025 15:36

Tgt Ion: 75 Resp: 73802

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 37.0 55.6#

