

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085702.D
 Acq On : 07 Feb 2025 17:29
 Operator : JC\MD
 Sample : PB166592ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166592ZHE#04

Quant Time: Feb 07 22:34:07 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

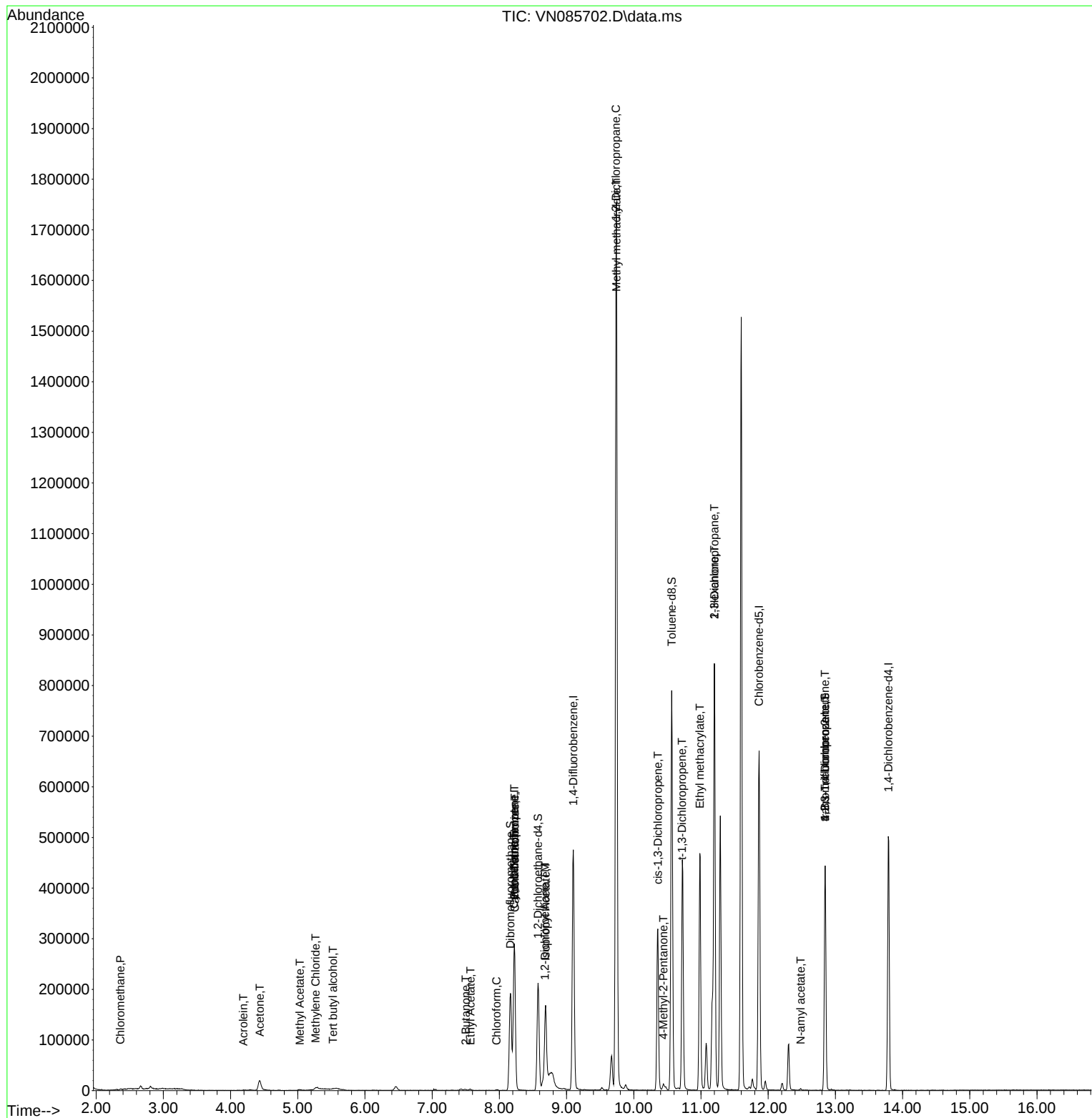
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	202082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	406001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	386439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	173886	53.306	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.620%	
35) Dibromofluoromethane	8.165	113	140557	49.902	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.800%	
50) Toluene-d8	10.565	98	531021	53.062	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.120%	
62) 4-Bromofluorobenzene	12.847	95	151174	44.160	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.320%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	700	0.236	ug/l #	88
11) Tert butyl alcohol	5.524	59	83	0.222	ug/l #	71
13) Acrolein	4.189	56	124	0.243	ug/l #	14
16) Acetone	4.436	43	36979	35.085	ug/l	97
18) Methyl Acetate	5.030	43	3043	0.949	ug/l #	69
20) Methylene Chloride	5.265	84	3303	1.266	ug/l #	70
25) 2-Butanone	7.500	43	3706	2.389	ug/l #	87
30) Chloroform	7.959	83	1653	0.336	ug/l #	71
31) Cyclohexane	8.218	56	4925	1.190	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17845	4.514	ug/l #	49
37) Ethyl Acetate	7.571	43	3663	0.918	ug/l #	77
38) Carbon Tetrachloride	8.230	117	21604	4.774	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	1141	0.255	ug/l #	76
43) Isopropyl Acetate	8.688	43	197777	30.934	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	2285	0.753	ug/l #	43
48) Methyl methacrylate	9.741	41	162281	56.402	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	12421	3.348	ug/l #	74
53) t-1,3-Dichloropropene	10.718	75	1235	0.293	ug/l #	66
54) cis-1,3-Dichloropropene	10.359	75	54906	12.196	ug/l #	65
56) Ethyl methacrylate	10.982	69	2777	2.513	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8278	1.748	ug/l #	43
59) 2-Hexanone	11.200	43	95732	36.672	ug/l #	60
74) N-amyl acetate	12.482	43	1284	0.312	ug/l #	51
76) 1,2,3-Trichloropropane	12.847	75	81129	29.466	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81129	79.722	ug/l #	3

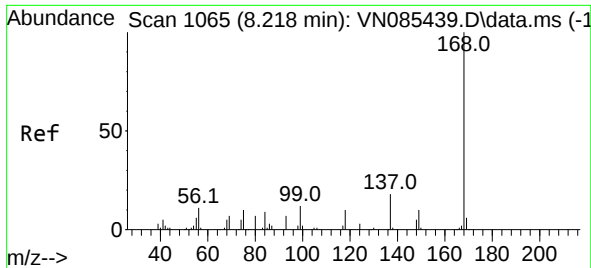
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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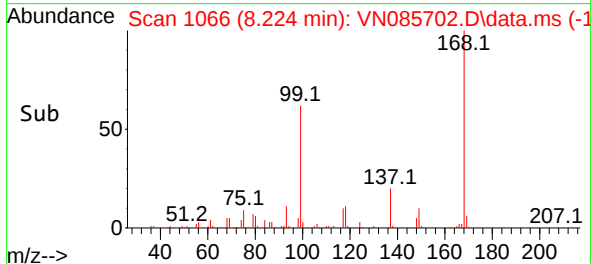
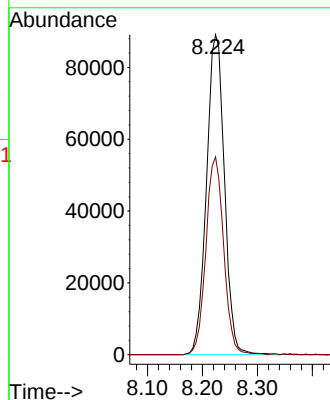
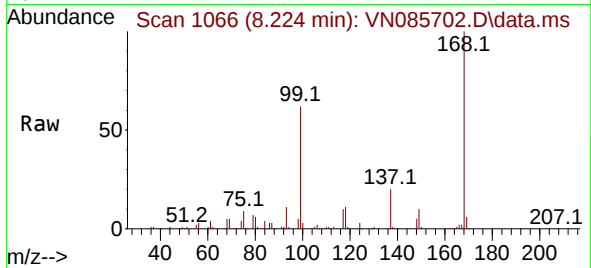




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

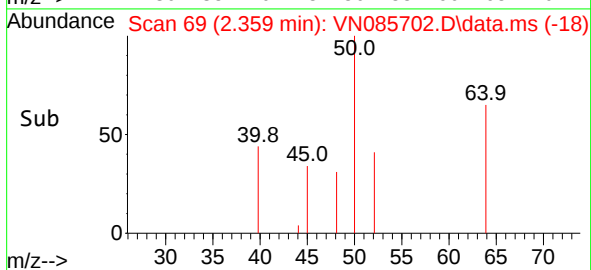
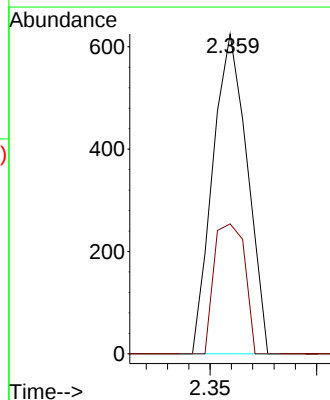
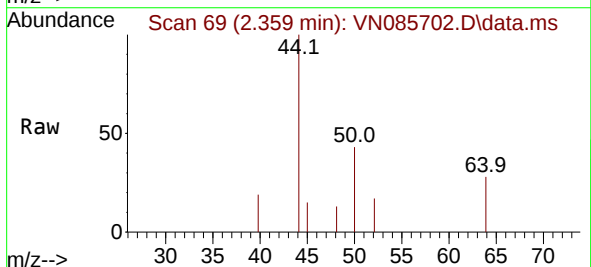
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

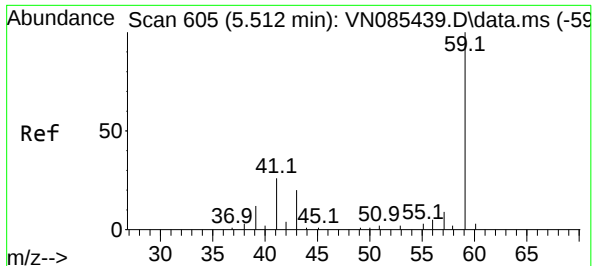
Tgt Ion:168 Resp: 202082
Ion Ratio Lower Upper
168 100
99 61.8 53.6 80.4



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion: 50 Resp: 700
Ion Ratio Lower Upper
50 100
52 40.6 27.0 40.6#

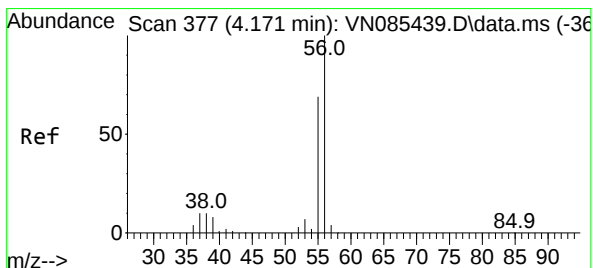
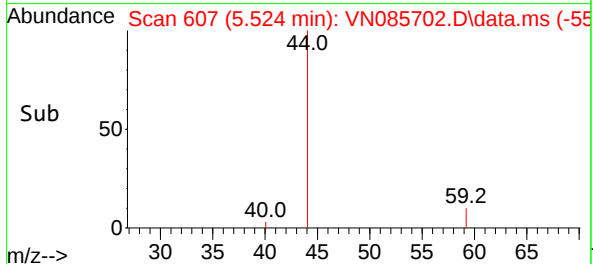
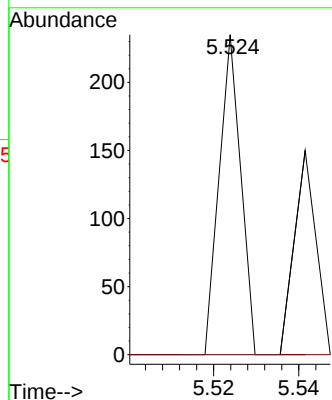
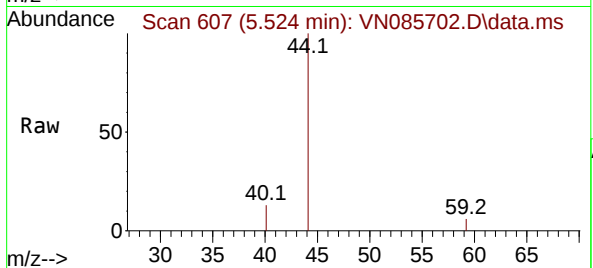




#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

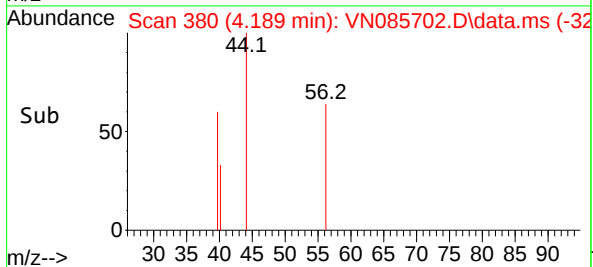
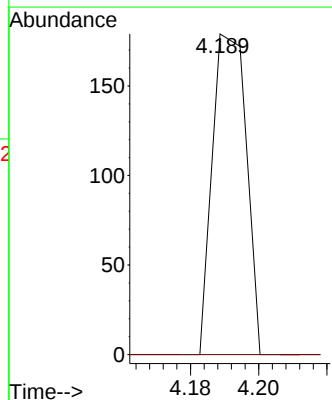
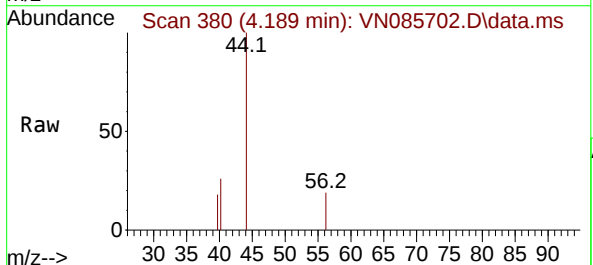
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

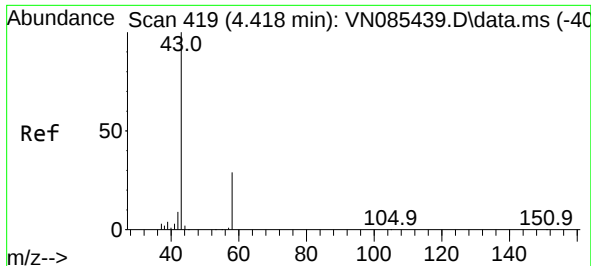
Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.243 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

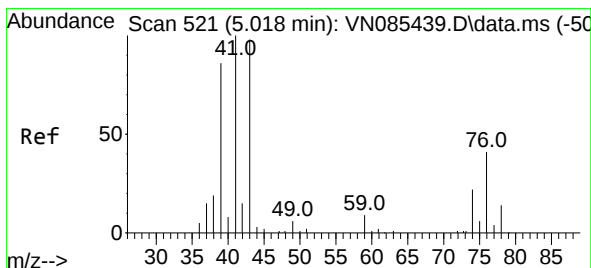
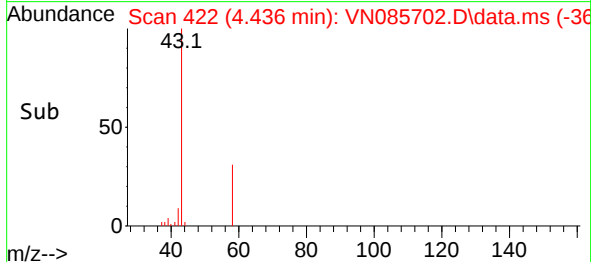
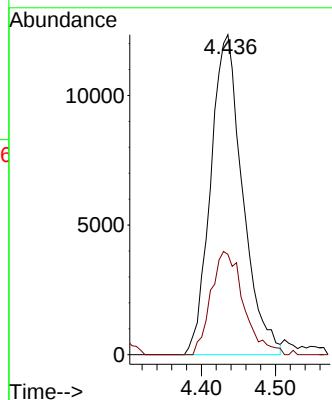
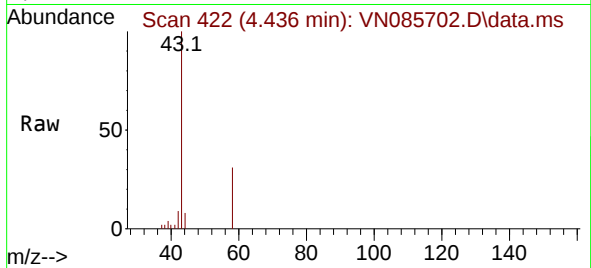




#16
Acetone
Concen: 35.085 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

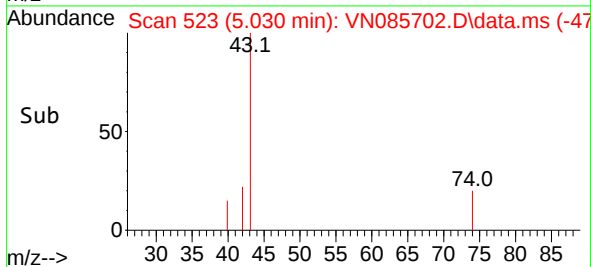
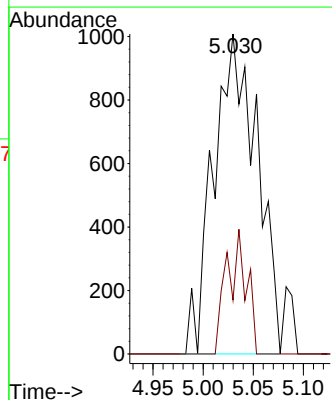
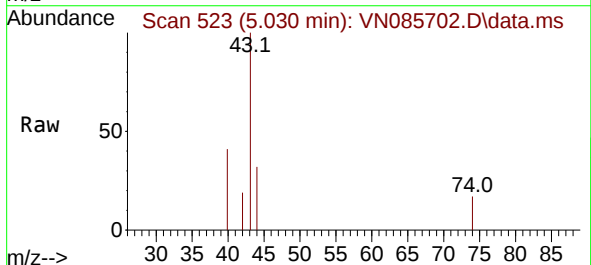
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

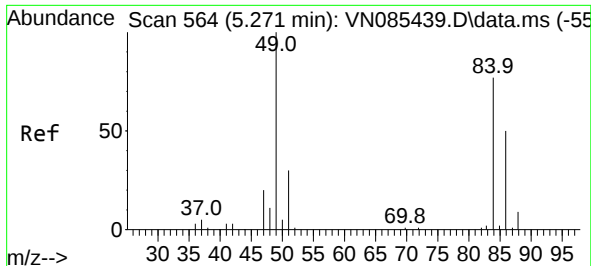
Tgt Ion: 43 Resp: 36979
Ion Ratio Lower Upper
43 100
58 31.4 23.8 35.6



#18
Methyl Acetate
Concen: 0.949 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

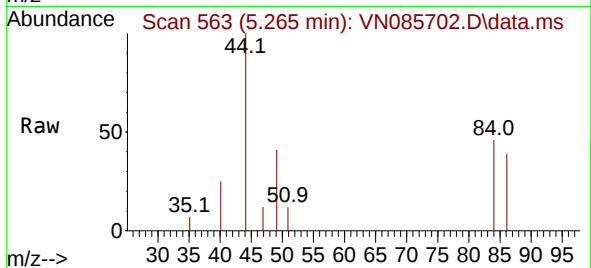
Tgt Ion: 43 Resp: 3043
Ion Ratio Lower Upper
43 100
74 8.0 18.6 28.0#



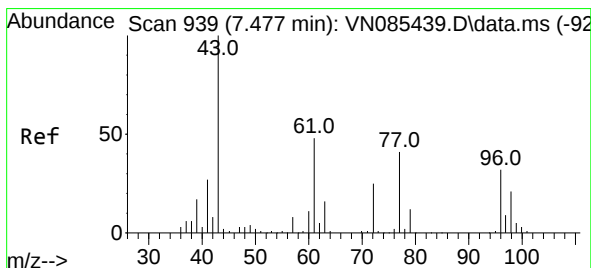
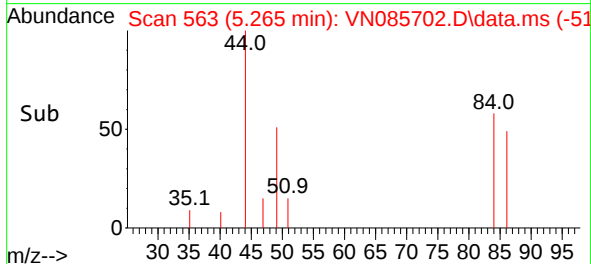
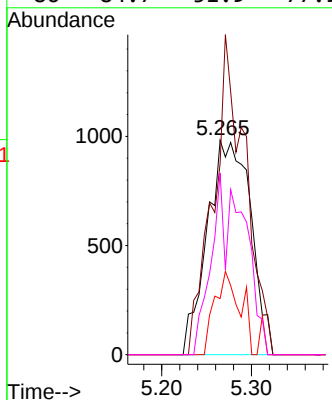


#20
Methylene Chloride
Concen: 1.266 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

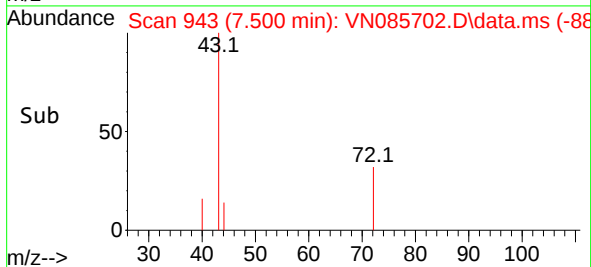
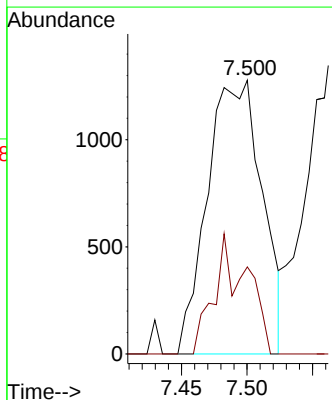
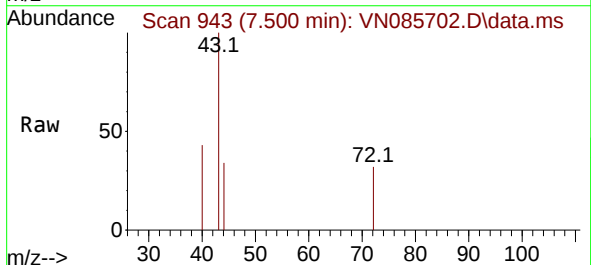


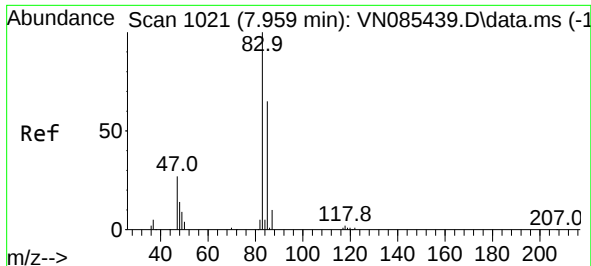
Tgt Ion:	84	Resp:	3303
Ion	Ratio	Lower	Upper
84	100		
49	89.3	104.1	156.1#
51	26.2	31.0	46.4#
86	84.7	51.9	77.9#



#25
2-Butanone
Concen: 2.389 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.023 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion:	43	Resp:	3706
Ion	Ratio	Lower	Upper
43	100		
72	31.8	20.2	30.4#





#30

Chloroform

Concen: 0.336 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

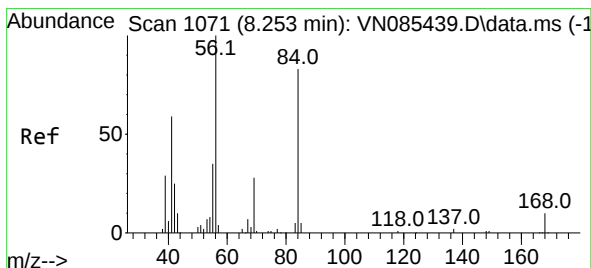
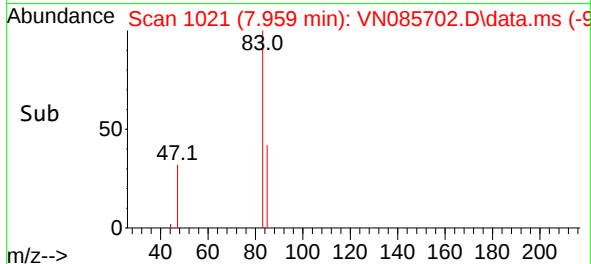
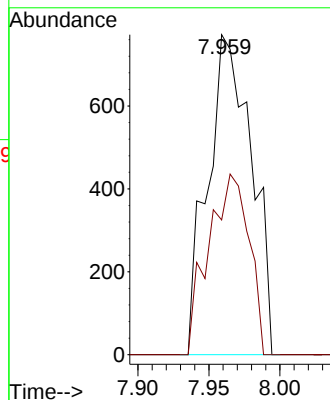
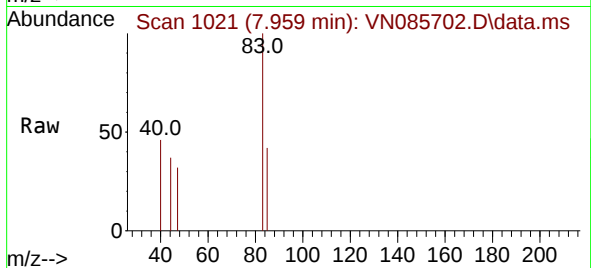
PB166592ZHE#04

Tgt Ion: 83 Resp: 1653

Ion Ratio Lower Upper

83 100

85 42.1 51.8 77.6#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

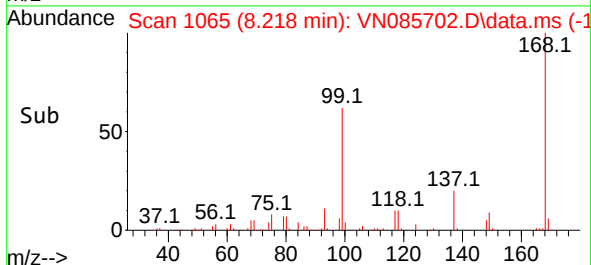
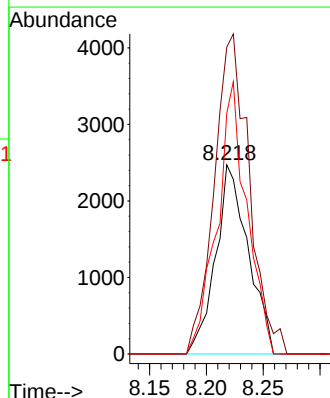
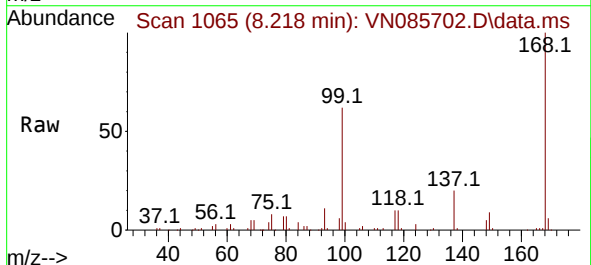
Tgt Ion: 56 Resp: 4925

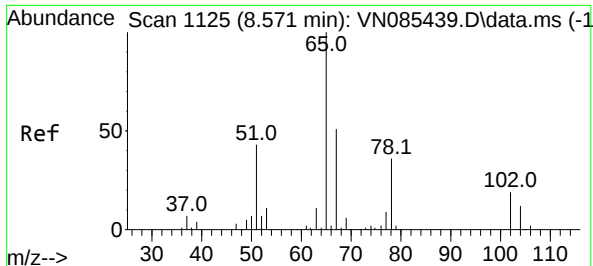
Ion Ratio Lower Upper

56 100

69 162.2 22.2 33.4#

84 127.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.306 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

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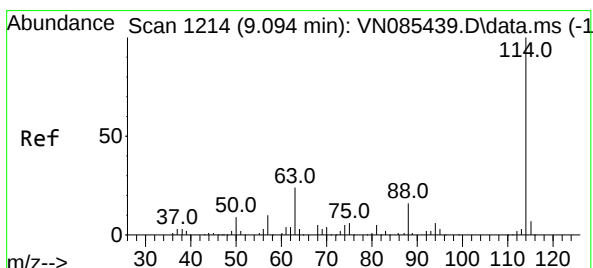
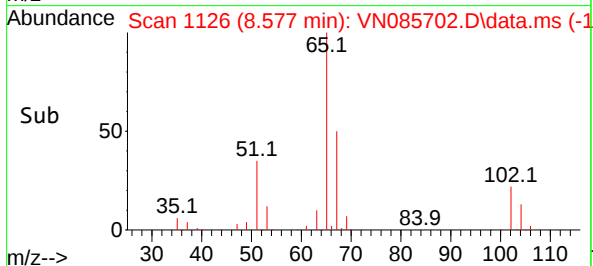
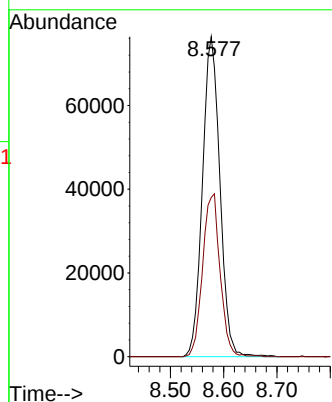
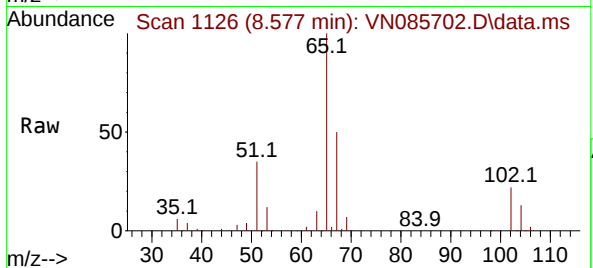
PB166592ZHE#04

Tgt Ion: 65 Resp: 173886

Ion Ratio Lower Upper

65 100

67 50.8 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: VN085702.D

Acq: 07 Feb 2025 17:29

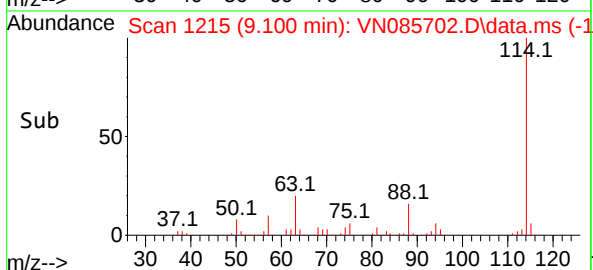
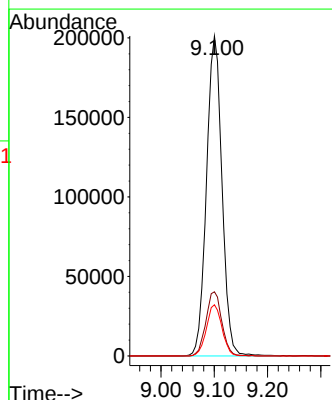
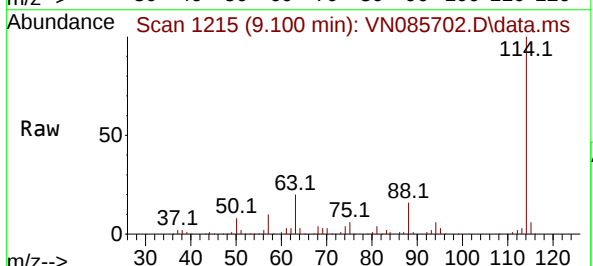
Tgt Ion: 114 Resp: 406001

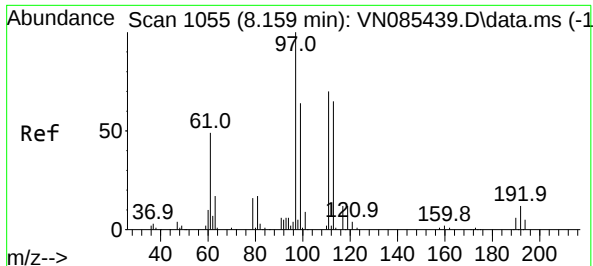
Ion Ratio Lower Upper

114 100

63 20.1 0.0 47.6

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.902 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

PB166592ZHE#04

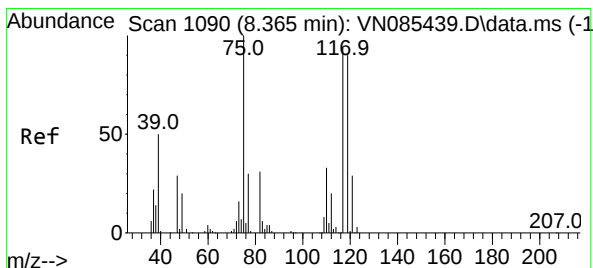
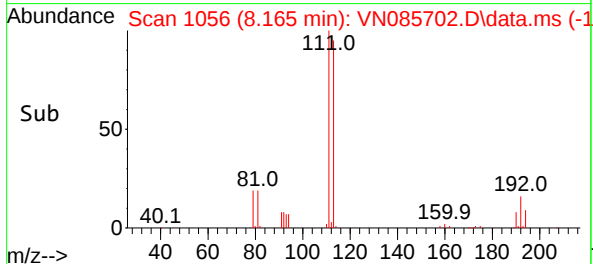
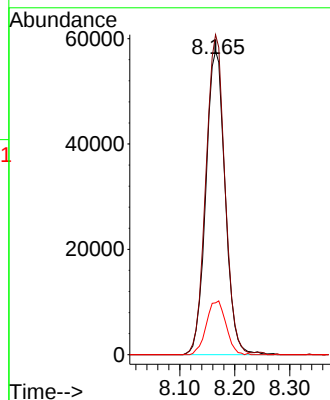
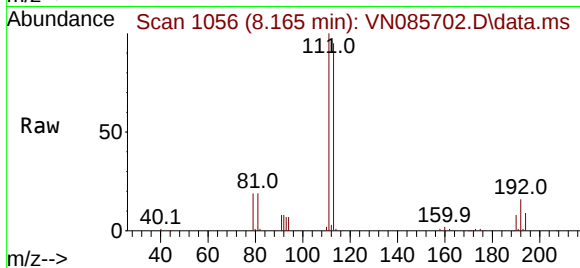
Tgt Ion:113 Resp: 140557

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 18.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.514 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

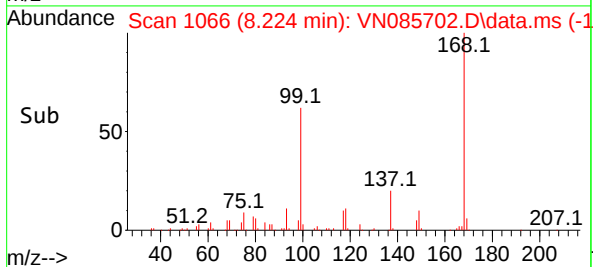
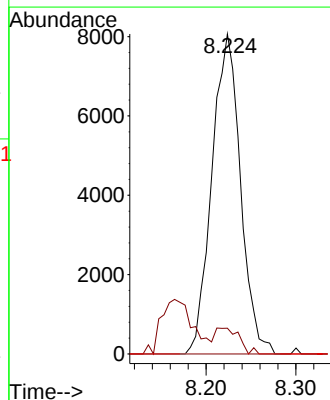
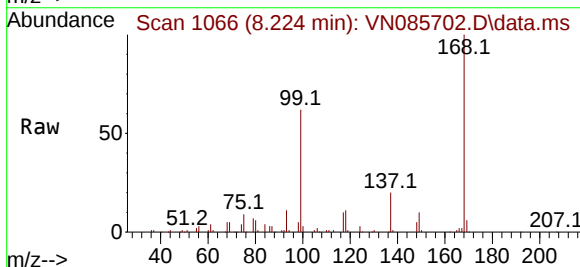
Tgt Ion: 75 Resp: 17845

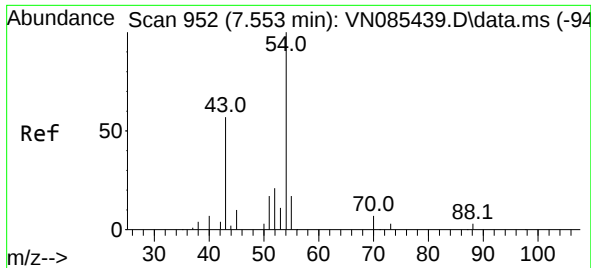
Ion Ratio Lower Upper

75 100

110 6.7 16.5 49.5#

77 0.0 24.4 36.6#

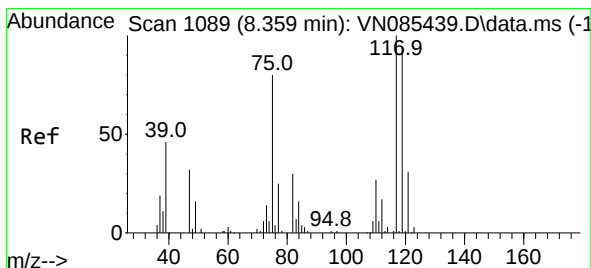
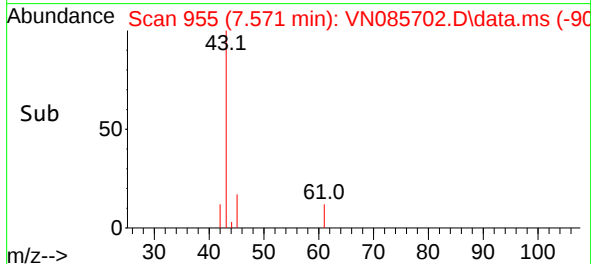
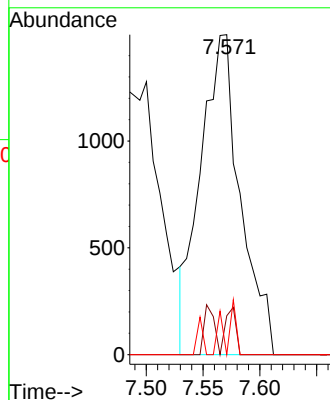
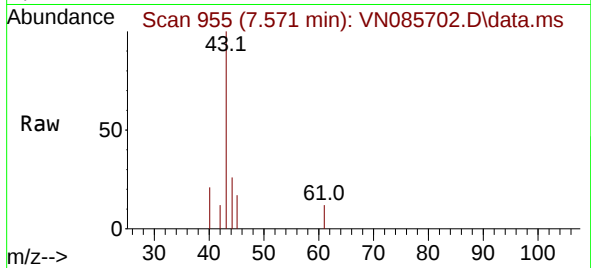




#37
Ethyl Acetate
Concen: 0.918 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

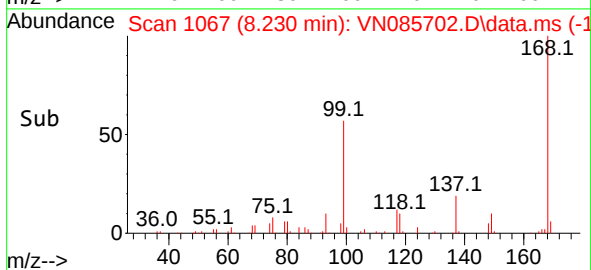
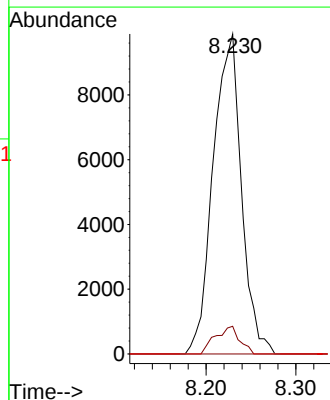
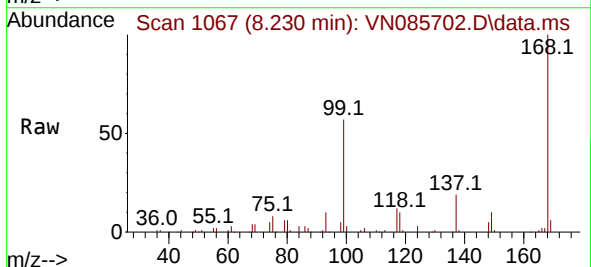
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

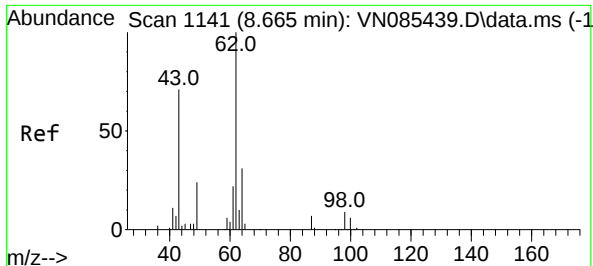
Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
61 3.9 10.9 16.3#
70 2.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.774 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion: 117 Resp: 21604
Ion Ratio Lower Upper
117 100
119 8.7 75.4 113.2#
121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.255 ug/l

RT: 8.677 min Scan# 1141

Delta R.T. 0.012 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

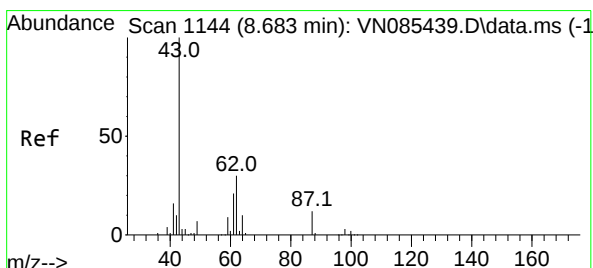
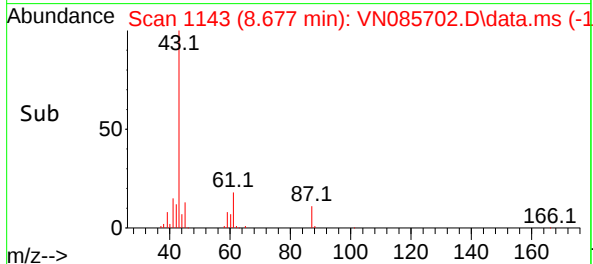
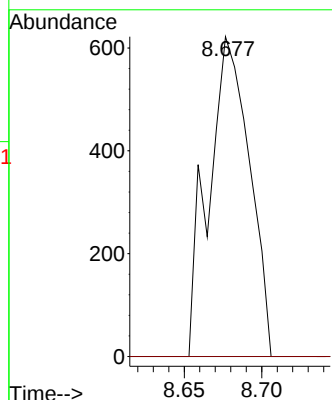
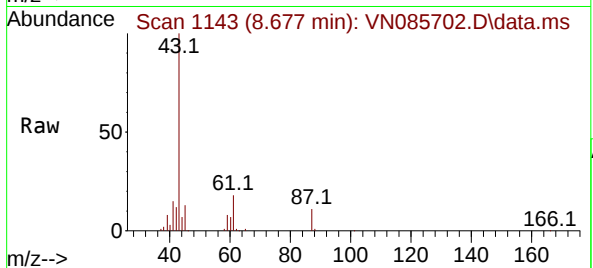
PB166592ZHE#04

Tgt Ion: 62 Resp: 1141

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 30.934 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

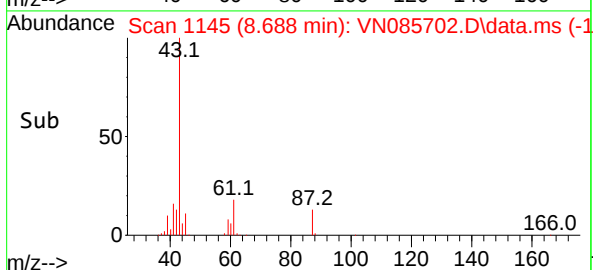
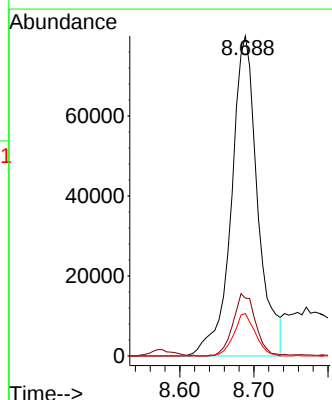
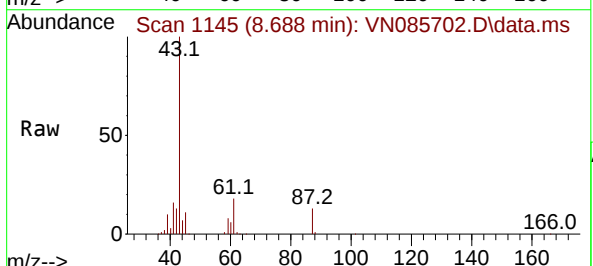
Tgt Ion: 43 Resp: 197777

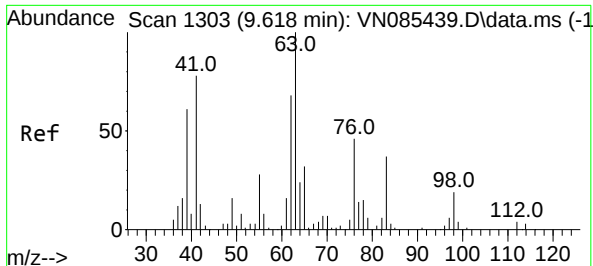
Ion Ratio Lower Upper

43 100

61 16.8 20.7 31.1#

87 10.8 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.753 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

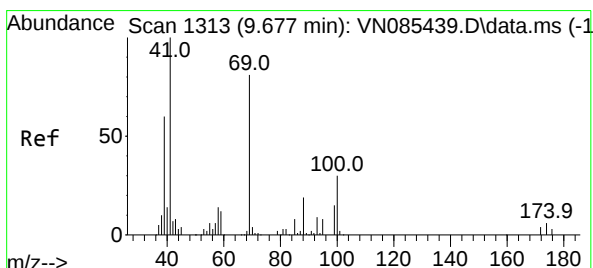
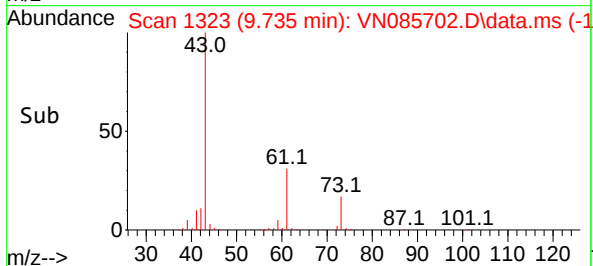
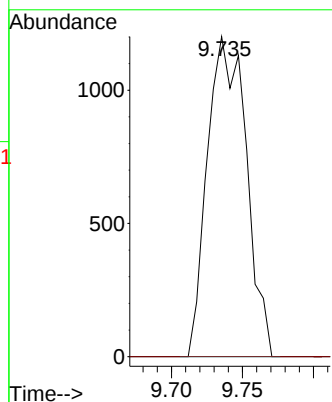
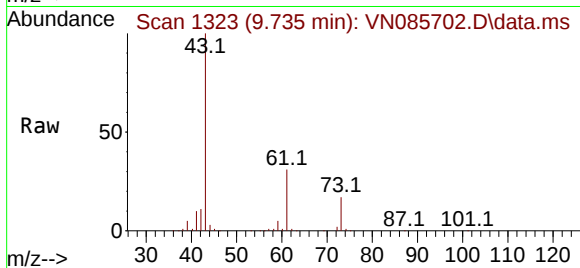
PB166592ZHE#04

Tgt Ion: 63 Resp: 2285

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 56.402 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085702.D

Acq: 07 Feb 2025 17:29

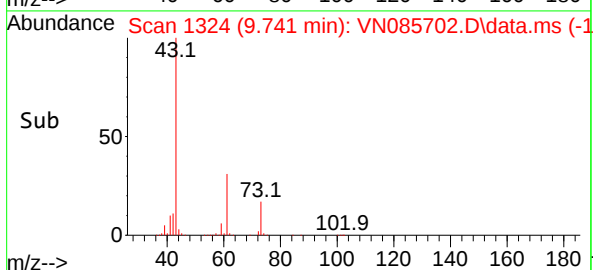
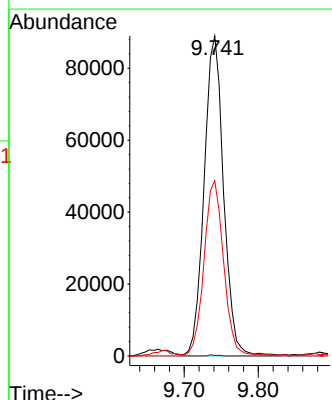
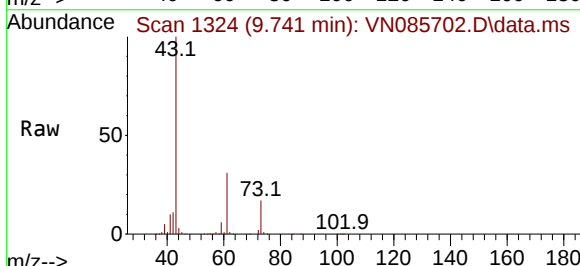
Tgt Ion: 41 Resp: 162281

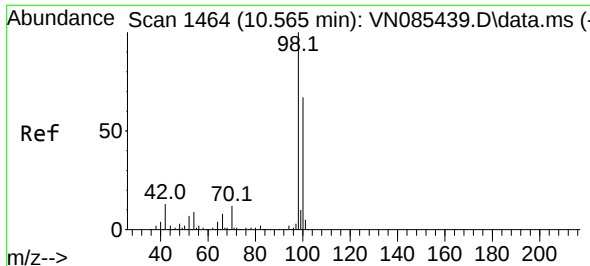
Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 54.6 49.0 73.6

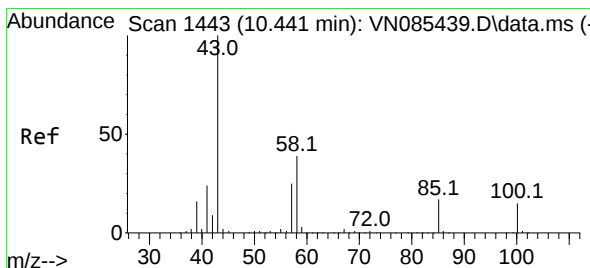
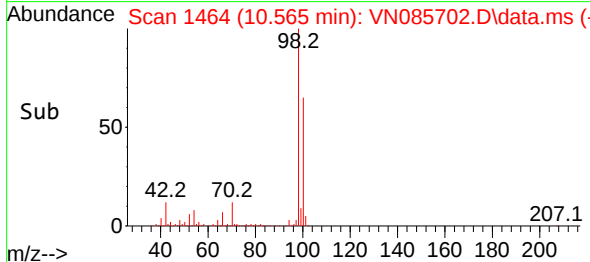
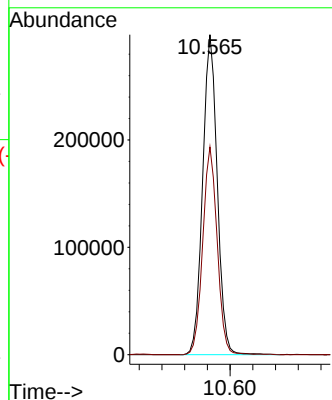
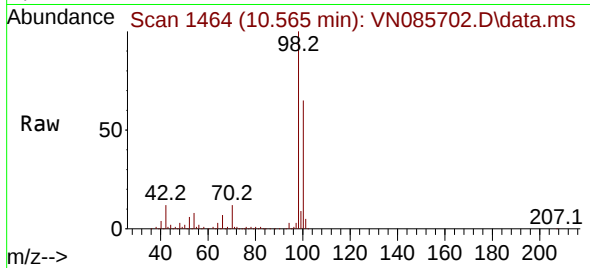




#50
Toluene-d8
Concen: 53.062 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

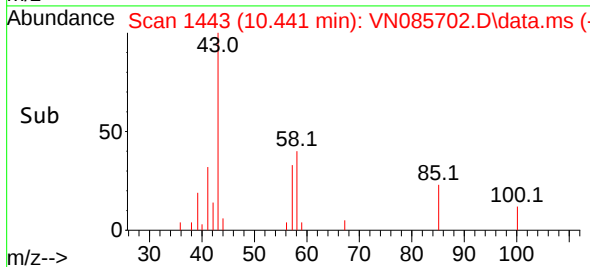
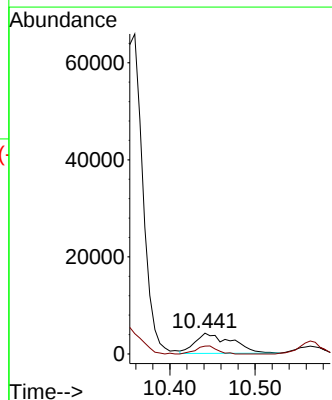
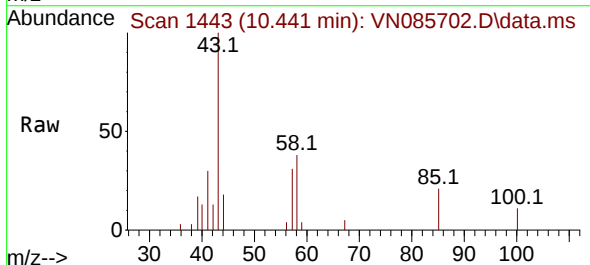
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

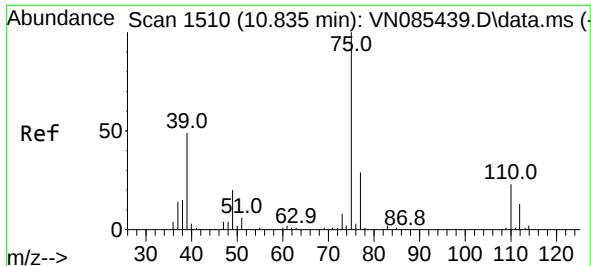
Tgt Ion: 98 Resp: 531021
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.348 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion: 43 Resp: 12421
Ion Ratio Lower Upper
43 100
58 22.6 30.5 45.7#

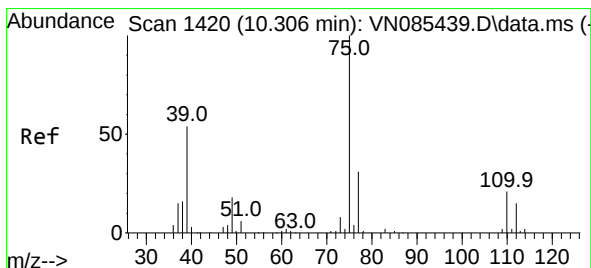
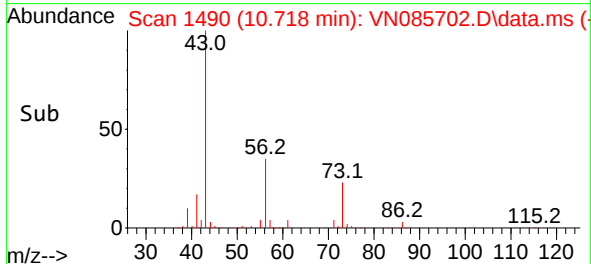
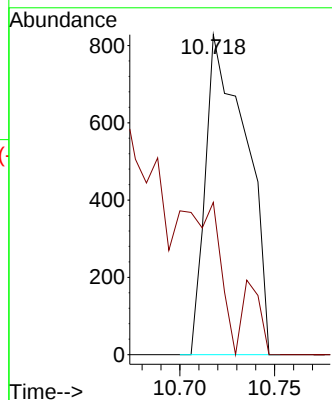
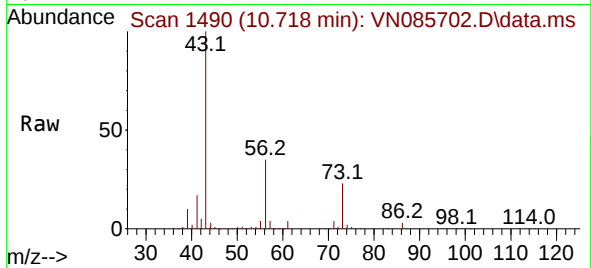




#53
t-1,3-Dichloropropene
Concen: 0.293 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.118 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

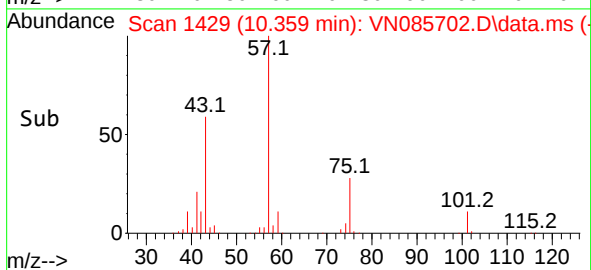
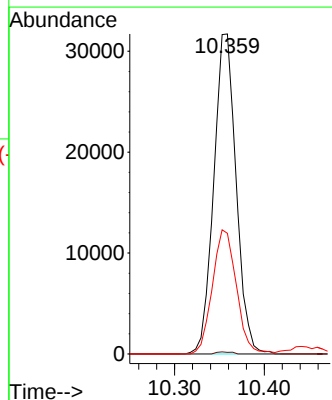
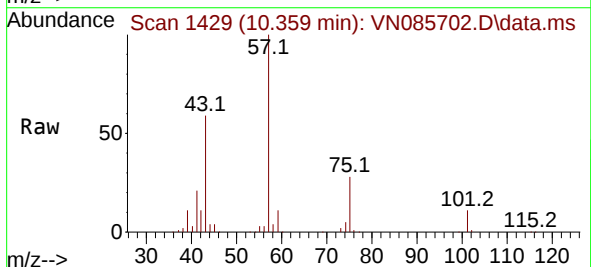
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

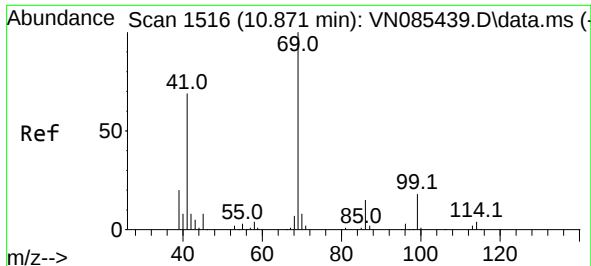
Tgt Ion: 75 Resp: 1235
Ion Ratio Lower Upper
75 100
77 47.6 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 12.196 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion: 75 Resp: 54906
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 37.7 43.1 64.7#

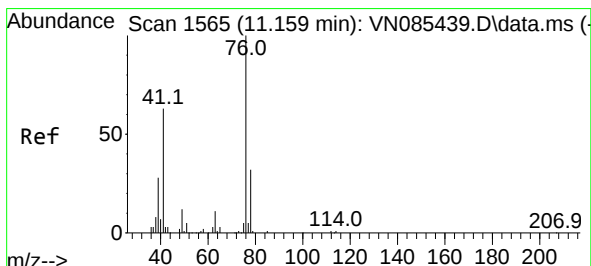
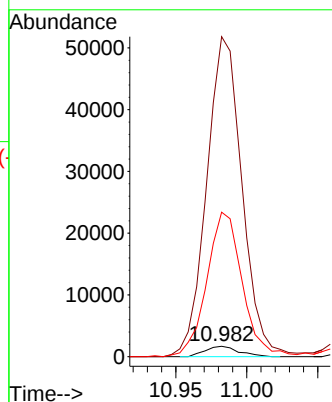
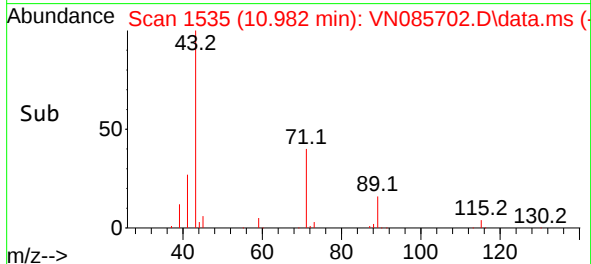
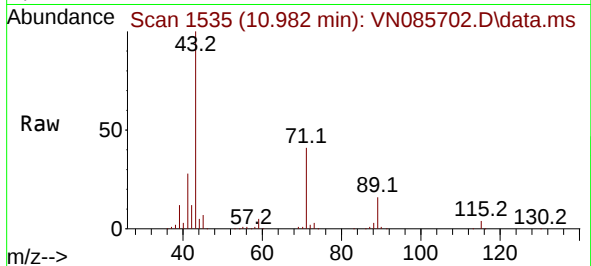




#56
Ethyl methacrylate
Concen: 2.513 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

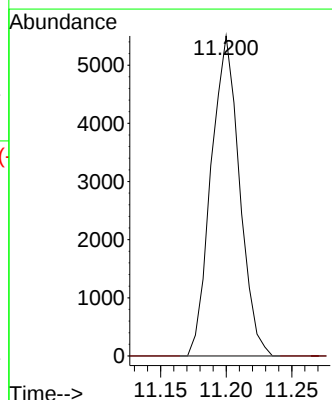
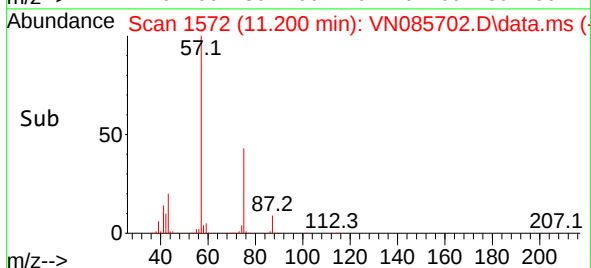
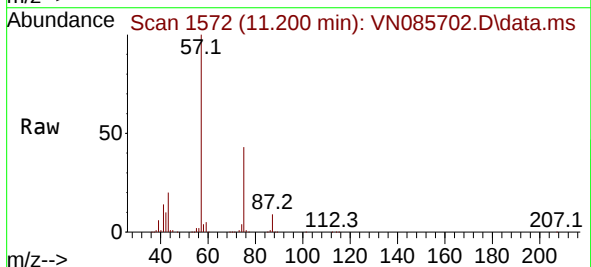
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

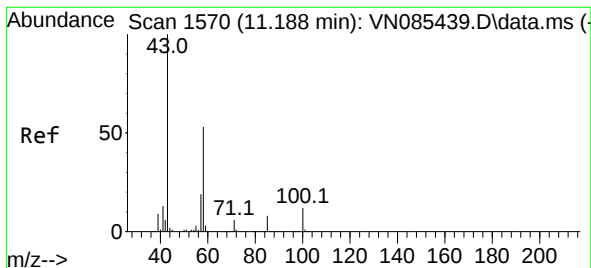
Tgt Ion: 69 Resp: 2777
Ion Ratio Lower Upper
69 100
41 3235.5 54.6 82.0#
39 1460.6 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.748 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion: 76 Resp: 8278
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

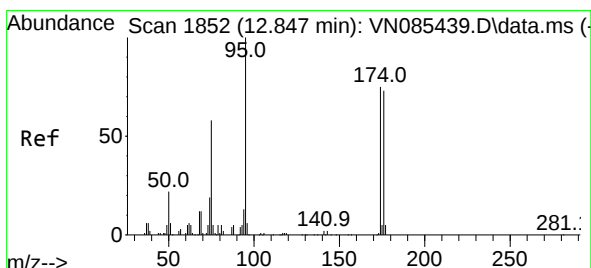
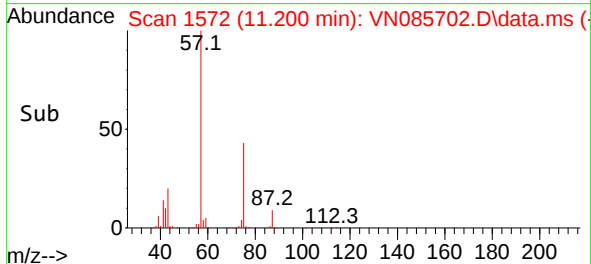
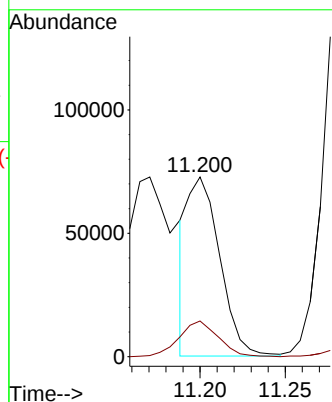
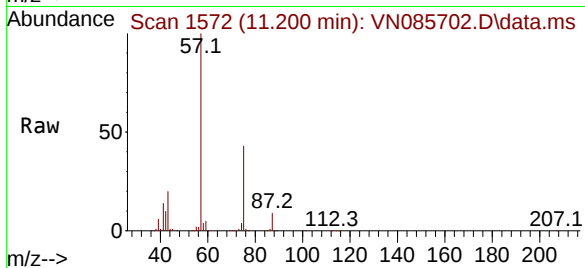




#59
2-Hexanone
Concen: 36.672 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

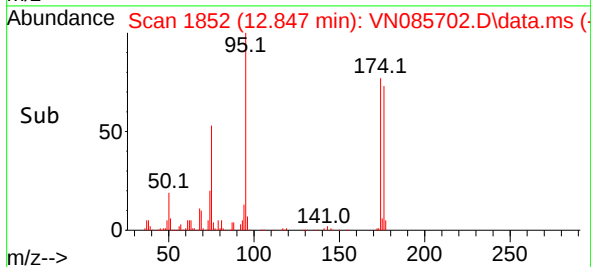
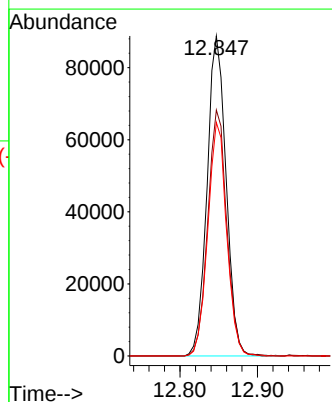
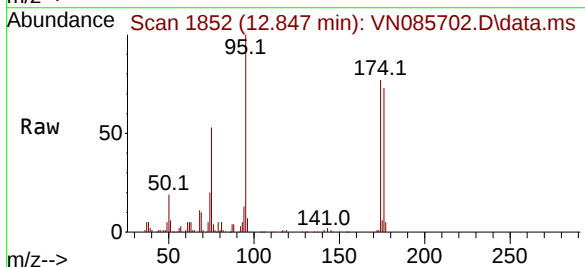
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

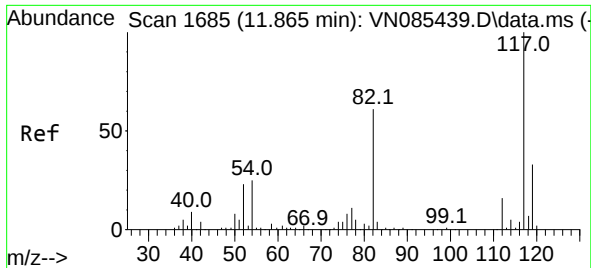
Tgt Ion: 43 Resp: 95732
Ion Ratio Lower Upper
43 100
58 24.2 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion: 95 Resp: 151174
Ion Ratio Lower Upper
95 100
174 77.0 0.0 145.0
176 72.2 0.0 142.4

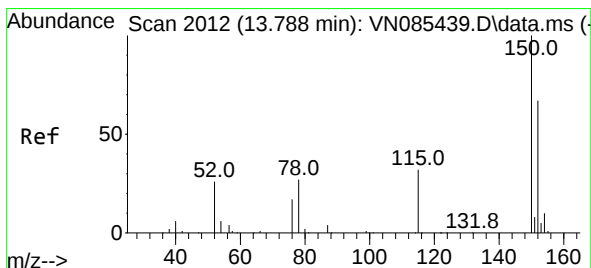
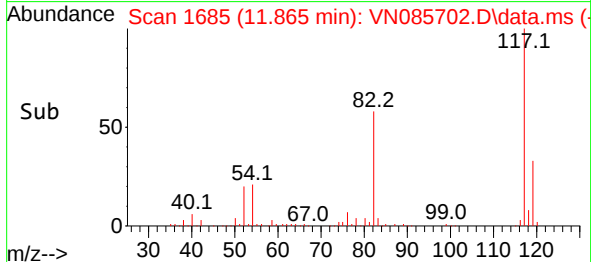
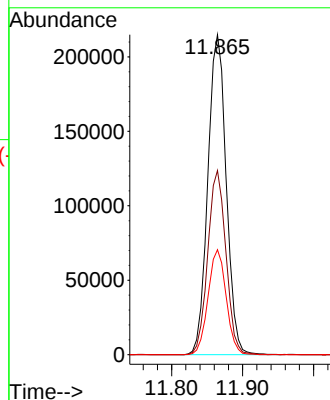
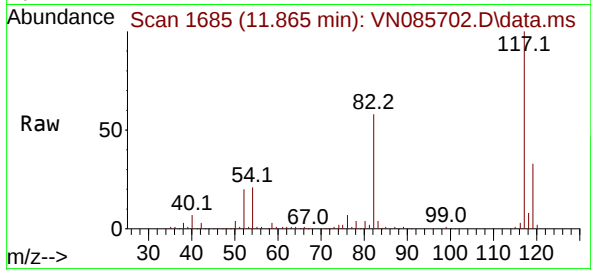




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

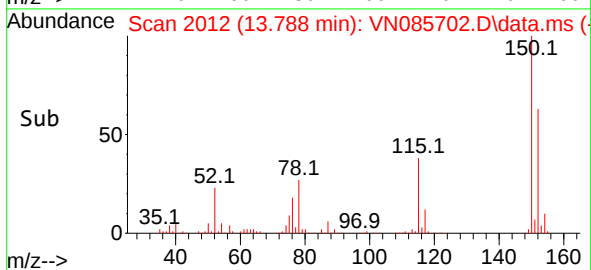
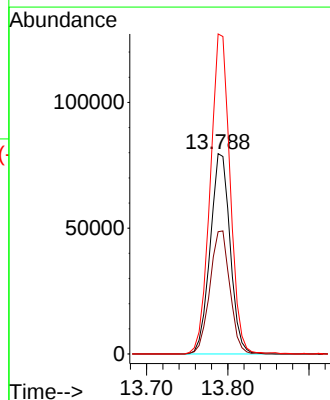
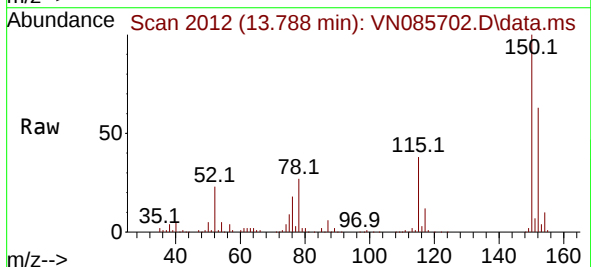
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

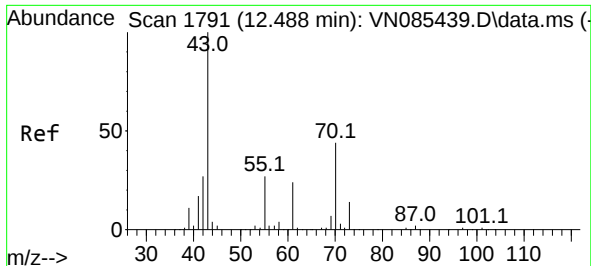
Tgt Ion:117 Resp: 386439
Ion Ratio Lower Upper
117 100
82 57.6 48.6 72.8
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

Tgt Ion:152 Resp: 135463
Ion Ratio Lower Upper
152 100
115 61.8 31.1 93.3
150 159.3 0.0 343.6

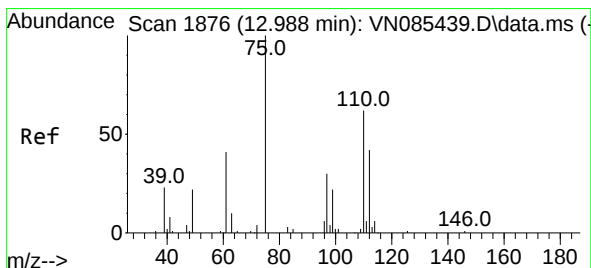
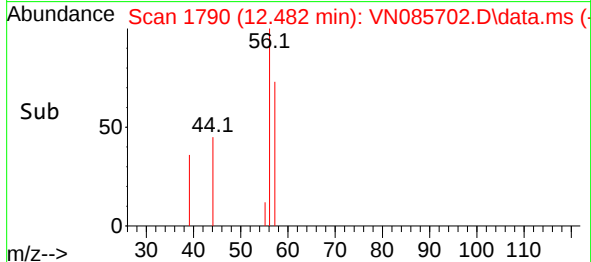
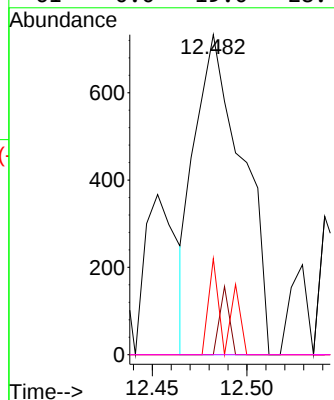
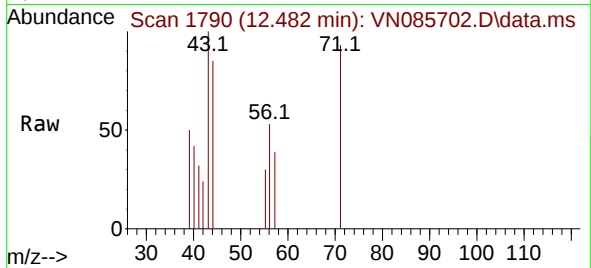




#74
N-amy1 acetate
Concen: 0.312 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

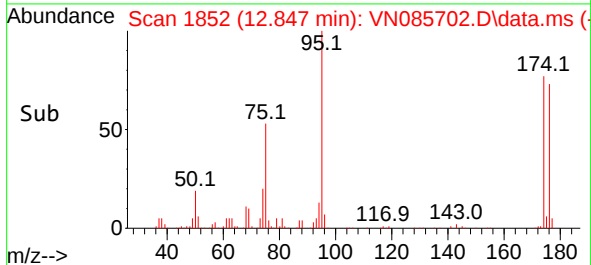
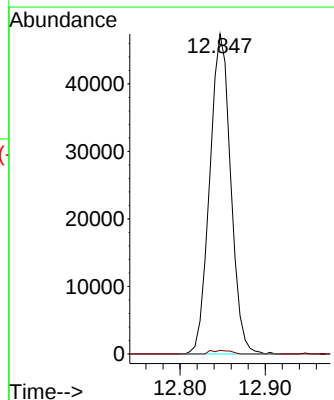
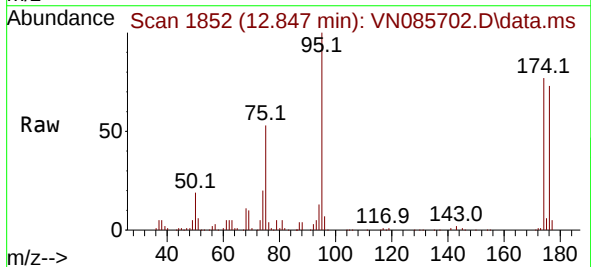
Instrument :
MSVOA_N
ClientSampleId :
PB166592ZHE#04

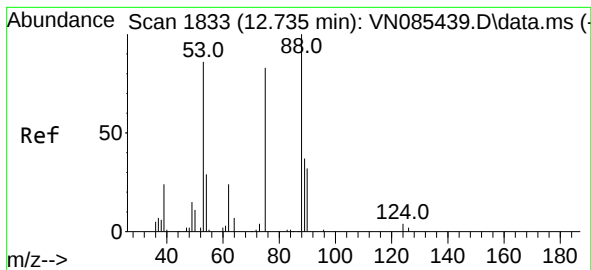
Tgt Ion: 43	Resp: 1284
Ion Ratio	Lower Upper
43 100	
70 4.3	34.0 51.0#
55 10.4	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.466 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085702.D
Acq: 07 Feb 2025 17:29

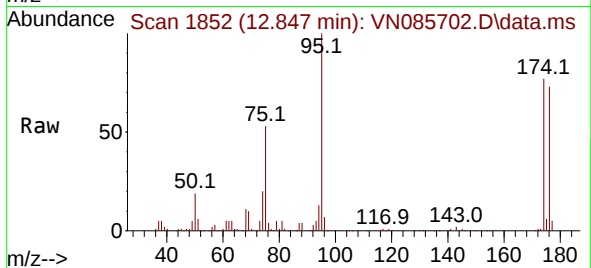
Tgt Ion: 75	Resp: 81129
Ion Ratio	Lower Upper
75 100	
77 1.1	109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.722 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085702.D
 Acq: 07 Feb 2025 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166592ZHE#04



Tgt Ion: 75 Resp: 81129
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#

