

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085597.D
 Acq On : 31 Jan 2025 13:15
 Operator : JC\MD
 Sample : PB166357ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#02

Quant Time: Jan 31 22:27:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

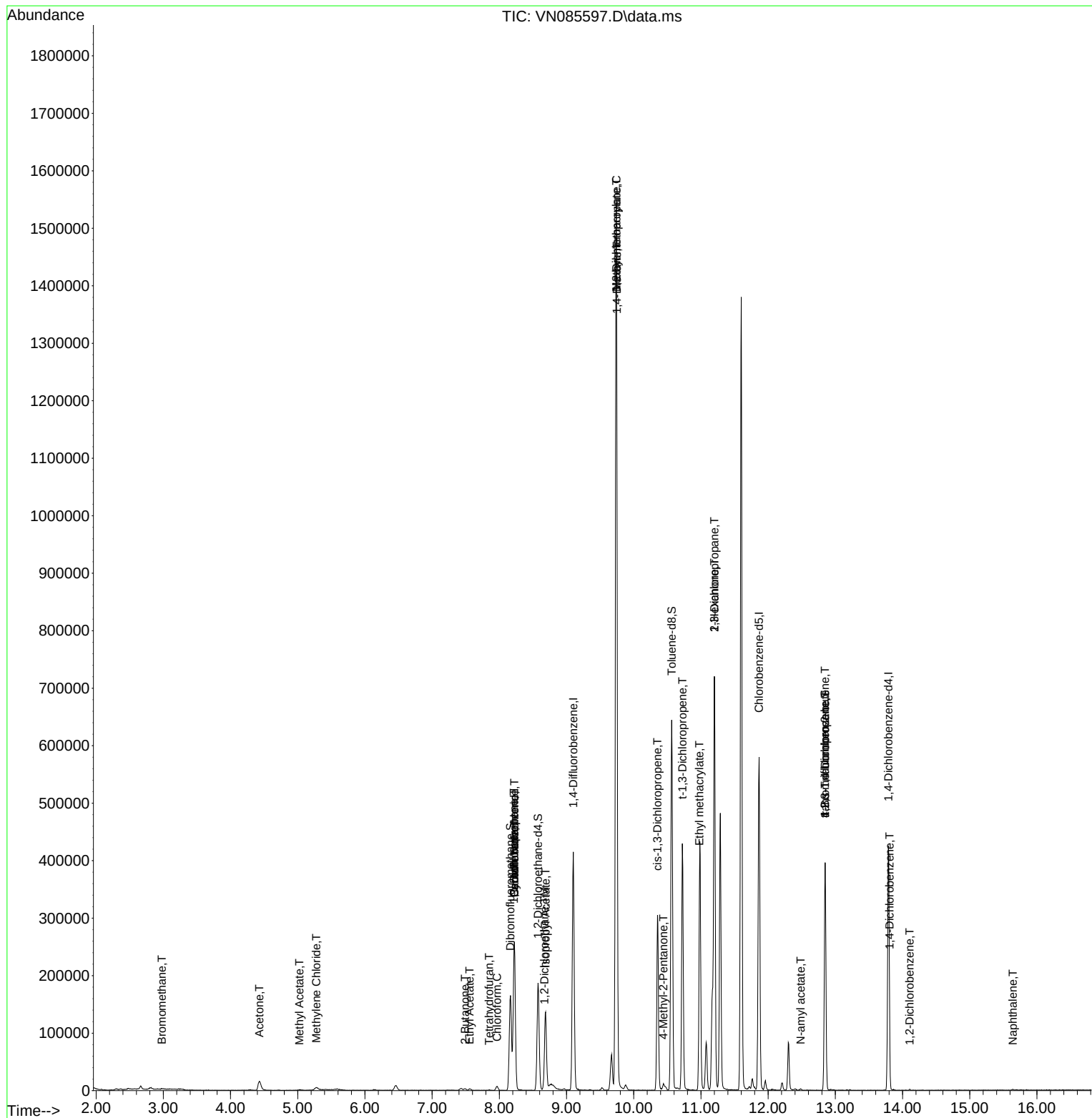
Internal Standards						
1) Pentafluorobenzene	8.224	168	176989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153356	53.678	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.360%			
35) Dibromofluoromethane	8.165	113	117175	51.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	10.565	98	435880	53.724	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.440%			
62) 4-Bromofluorobenzene	12.847	95	129020	46.488	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.980%			
Target Compounds						Qvalue
5) Bromomethane	2.977	94	557	0.354	ug/l	85
16) Acetone	4.430	43	31651	34.287	ug/l	97
18) Methyl Acetate	5.024	43	1059	0.377	ug/l #	90
20) Methylene Chloride	5.277	84	3463	1.515	ug/l	96
25) 2-Butanone	7.489	43	5304	3.904	ug/l	97
29) Tetrahydrofuran	7.847	42	183	0.212	ug/l #	87
30) Chloroform	7.965	83	7253	1.682	ug/l	97
31) Cyclohexane	8.224	56	4922	1.357	ug/l #	9
36) 1,1-Dichloropropene	8.218	75	16476	5.141	ug/l #	51
37) Ethyl Acetate	7.559	43	3986	1.232	ug/l #	92
38) Carbon Tetrachloride	8.224	117	19912	5.427	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	1060	0.292	ug/l #	76
43) Isopropyl Acetate	8.689	43	149956	28.930	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1869	0.760	ug/l #	43
48) Methyl methacrylate	9.741	41	149908	64.266	ug/l #	46
49) 1,4-Dioxane	9.747	88	162	4.124	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12783	4.250	ug/l #	70
53) t-1,3-Dichloropropene	10.724	75	1016	0.297	ug/l #	59
54) cis-1,3-Dichloropropene	10.353	75	48878	13.391	ug/l #	70
56) Ethyl methacrylate	10.977	69	2205	2.501	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7122	1.855	ug/l #	43
59) 2-Hexanone	11.200	43	87934	41.549	ug/l #	59
74) N-amyl acetate	12.482	43	1343	0.393	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72855	31.835	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72855	86.133	ug/l #	3
88) 1,4-Dichlorobenzene	13.806	146	1109	0.293	ug/l #	1
91) 1,2-Dichlorobenzene	14.106	146	831	0.228	ug/l	79
95) Naphthalene	15.641	128	1988	0.393	ug/l #	81

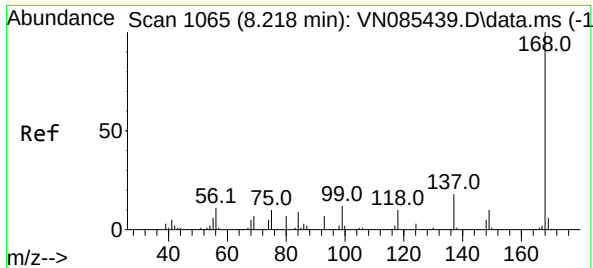
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
Data File : VN085597.D
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Instrument :
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Quant Time: Jan 31 22:27:16 2025
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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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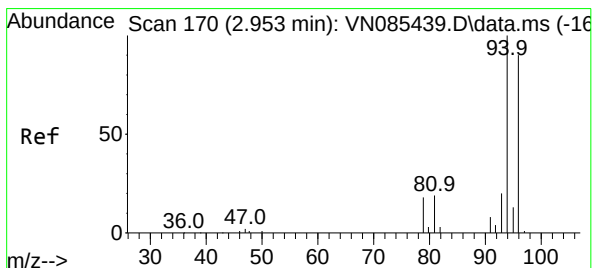
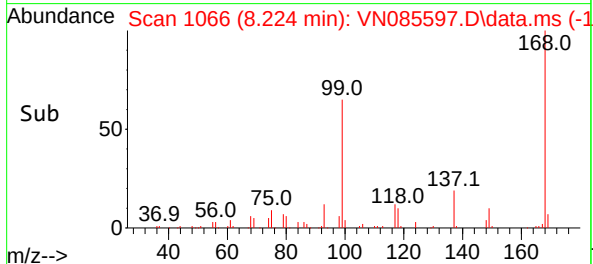
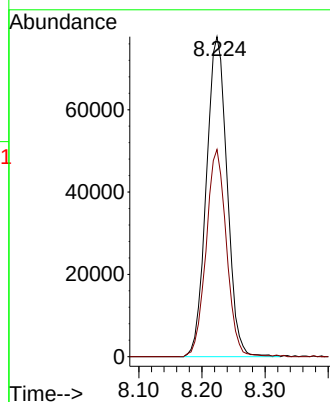
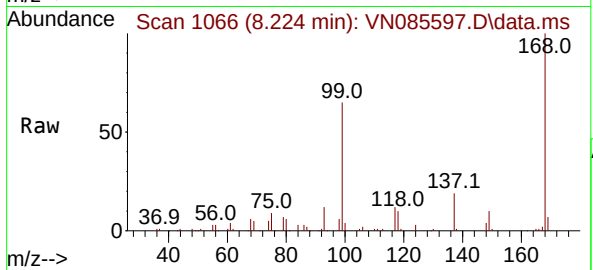




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

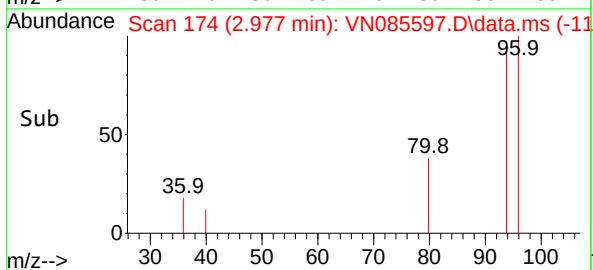
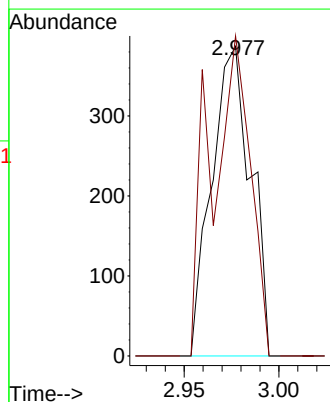
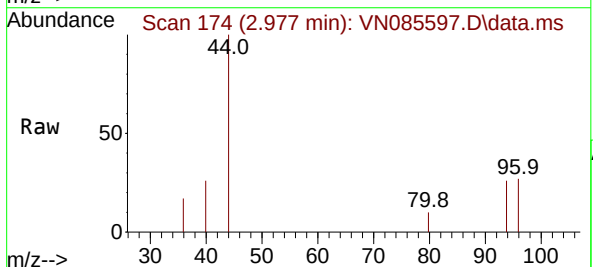
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

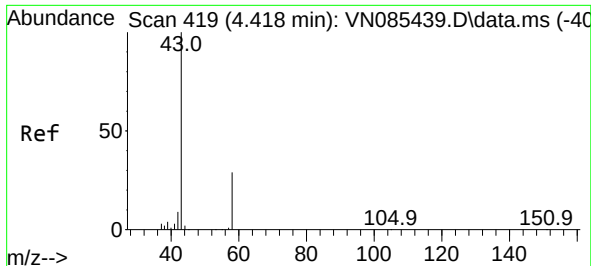
Tgt Ion:168 Resp: 176989
Ion Ratio Lower Upper
168 100
99 64.8 53.6 80.4



#5
Bromomethane
Concen: 0.354 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 94 Resp: 557
Ion Ratio Lower Upper
94 100
96 103.4 71.8 107.6

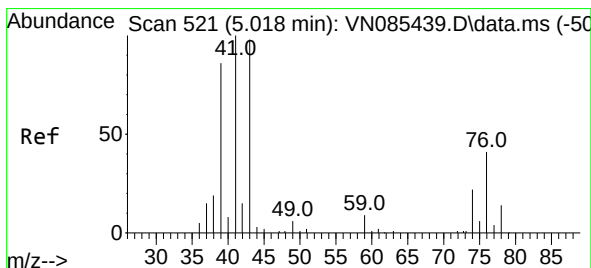
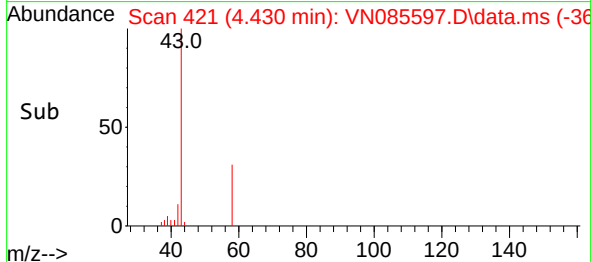
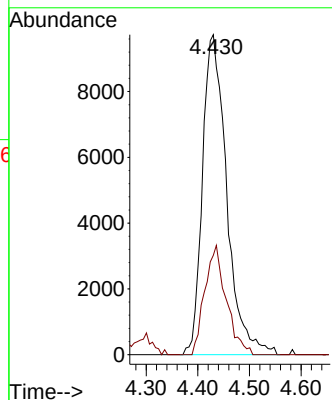
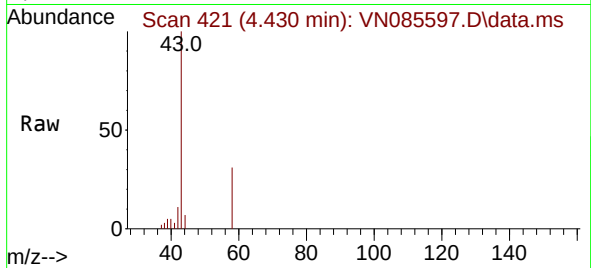




#16
Acetone
Concen: 34.287 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

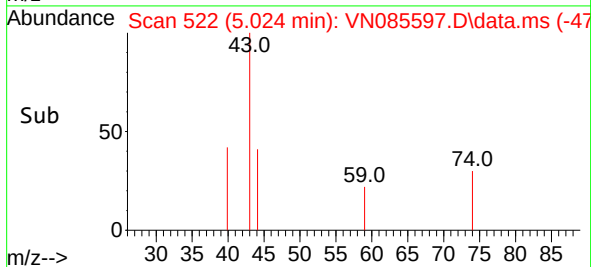
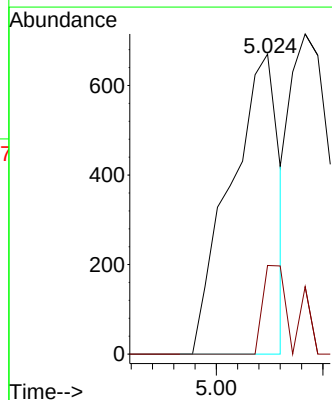
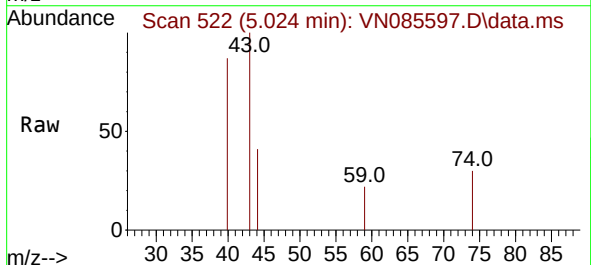
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

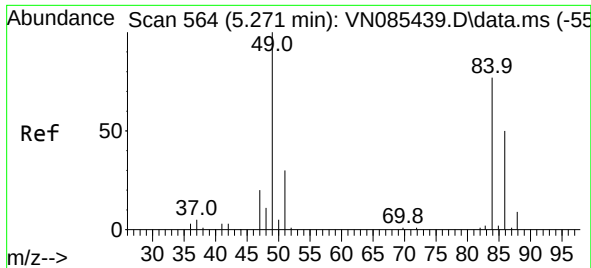
Tgt Ion: 43 Resp: 31651
Ion Ratio Lower Upper
43 100
58 31.1 23.8 35.6



#18
Methyl Acetate
Concen: 0.377 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

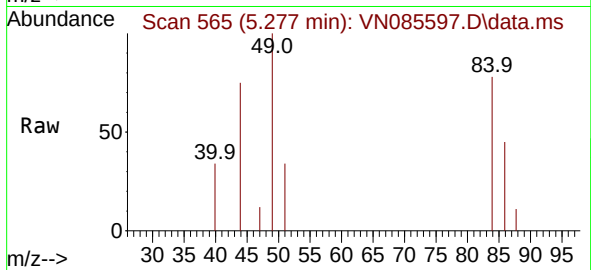
Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
74 18.2 18.6 28.0#



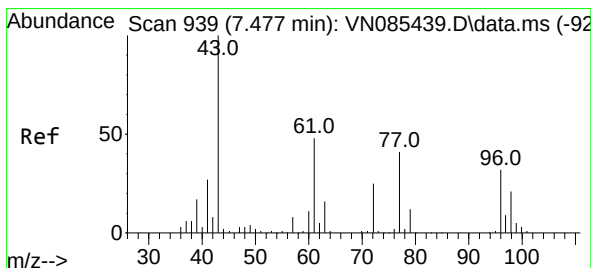
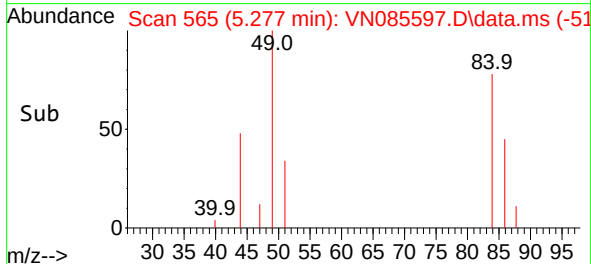
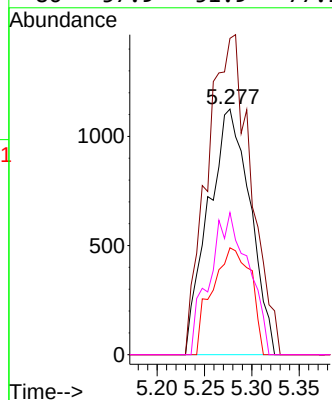


#20
Methylene Chloride
Concen: 1.515 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

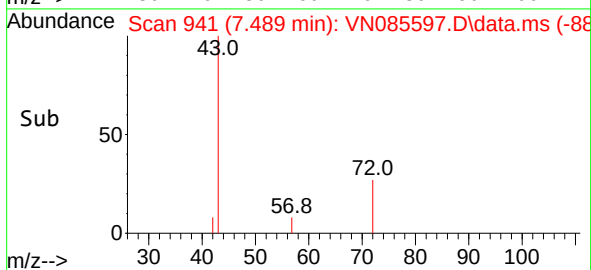
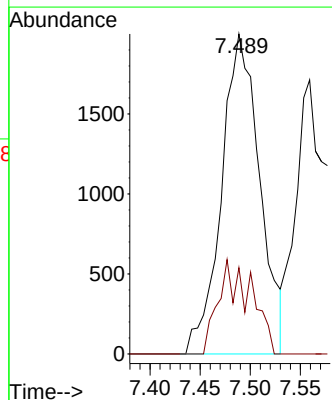
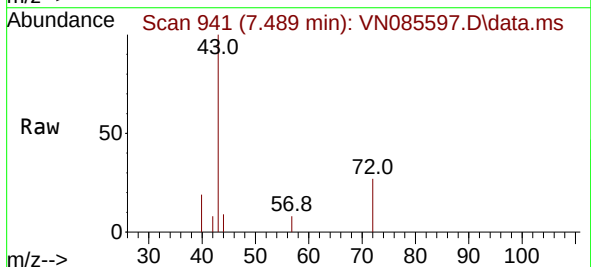


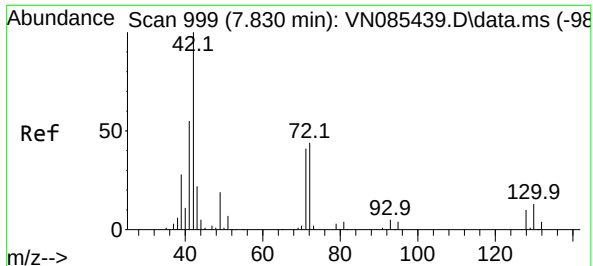
Tgt Ion: 84	Resp: 3463
Ion Ratio	Lower Upper
84 100	
49 128.8	104.1 156.1
51 43.6	31.0 46.4
86 57.9	51.9 77.9



#25
2-Butanone
Concen: 3.904 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 43	Resp: 5304
Ion Ratio	Lower Upper
43 100	
72 27.0	20.2 30.4





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

Lab File: VN085597.D

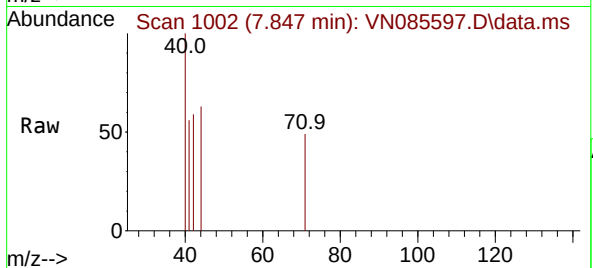
Acq: 31 Jan 2025 13:15

Instrument :

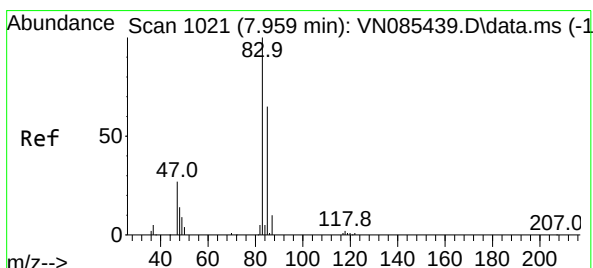
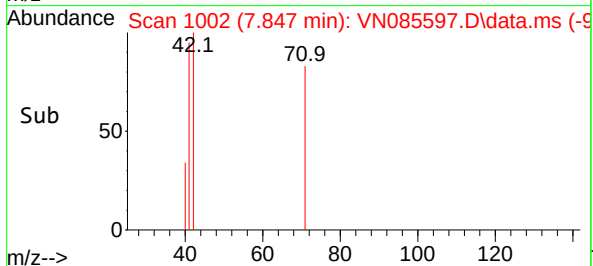
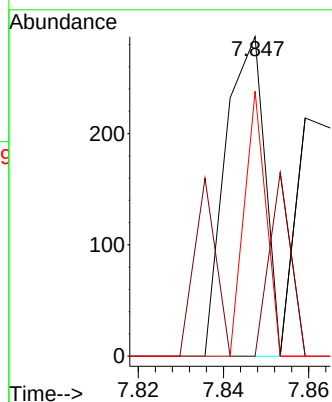
MSVOA_N

ClientSampleId :

PB166357ZHE#02



Tgt Ion:	42	Resp:	183
Ion Ratio	Lower	Upper	
42	100		
72	31.7	34.2	51.2#
71	45.9	32.5	48.7



#30

Chloroform

Concen: 1.682 ug/l

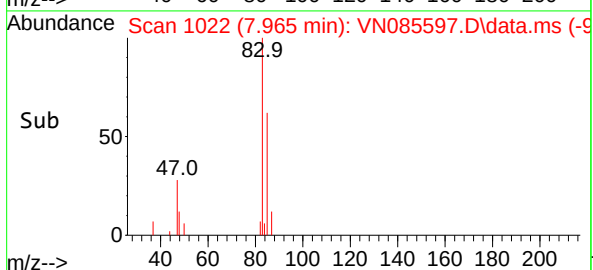
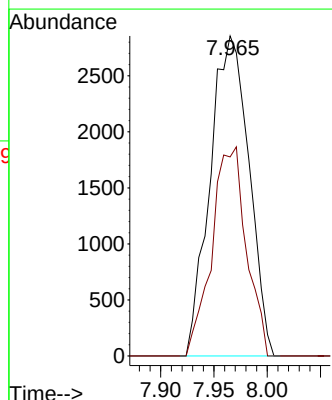
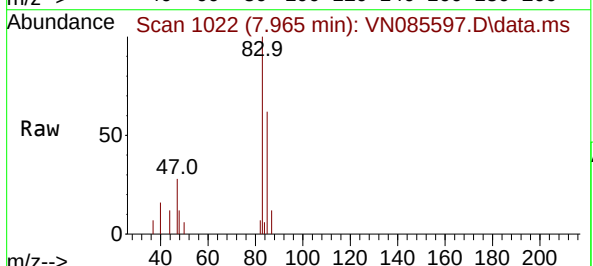
RT: 7.965 min Scan# 1022

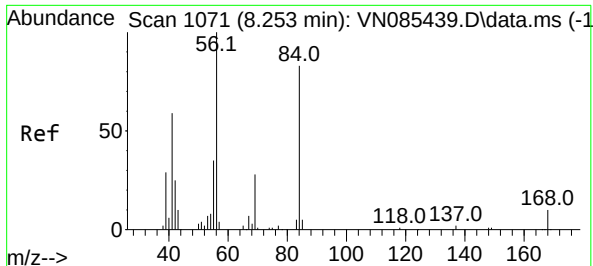
Delta R.T. 0.006 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

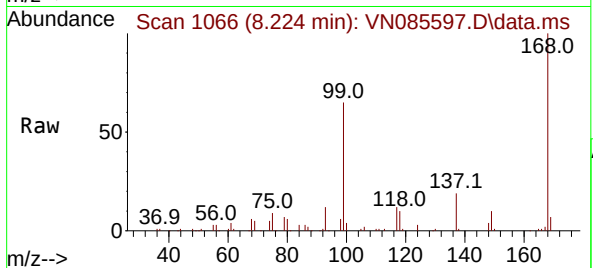
Tgt Ion:	83	Resp:	7253
Ion Ratio	Lower	Upper	
83	100		
85	62.2	51.8	77.6





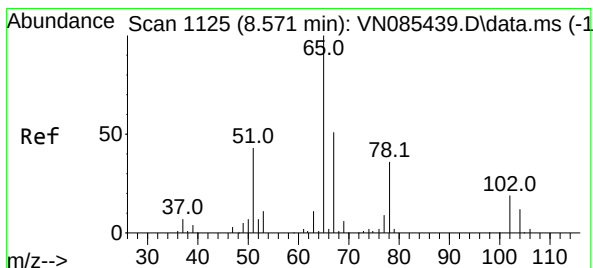
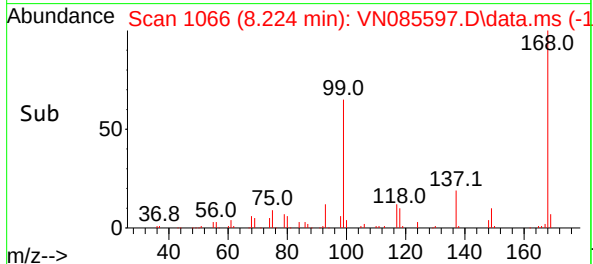
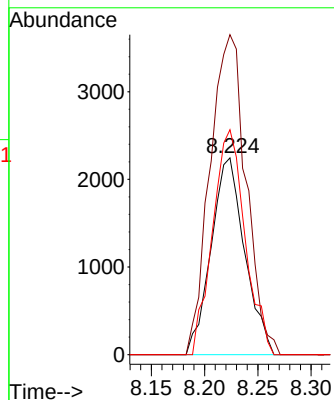
#31
Cyclohexane
Concen: 1.357 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02



Tgt Ion: 56 Resp: 4922

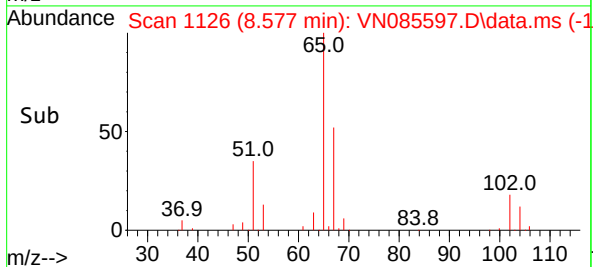
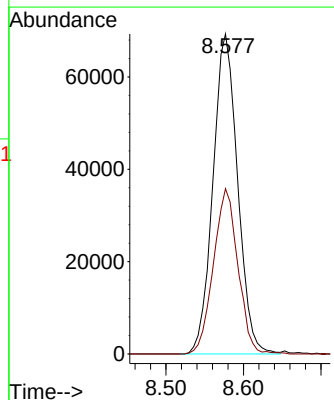
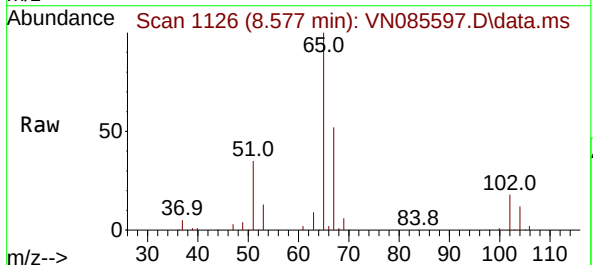
Ion	Ratio	Lower	Upper
56	100		
69	162.6	22.2	33.4#
84	114.3	66.4	99.6#

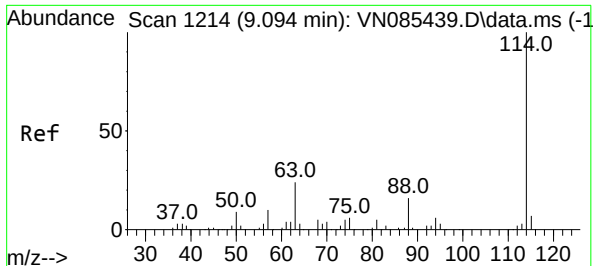


#33
1,2-Dichloroethane-d4
Concen: 53.678 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 65 Resp: 153356

Ion	Ratio	Lower	Upper
65	100		
67	51.2	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: VN085597.D

Acq: 31 Jan 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#02

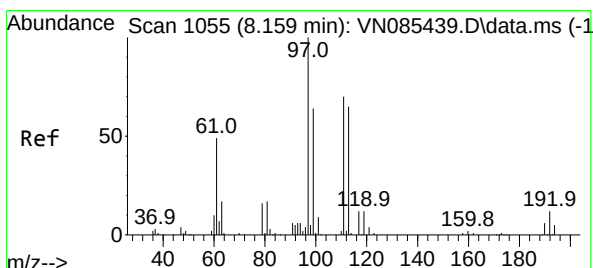
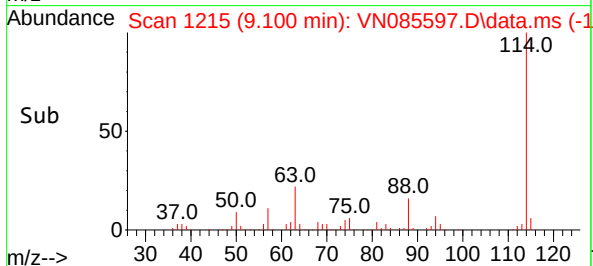
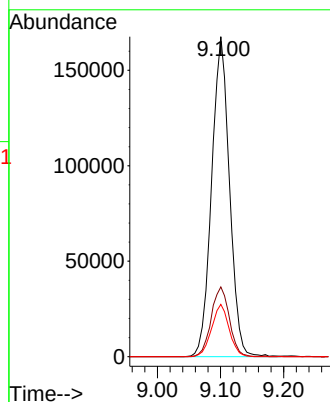
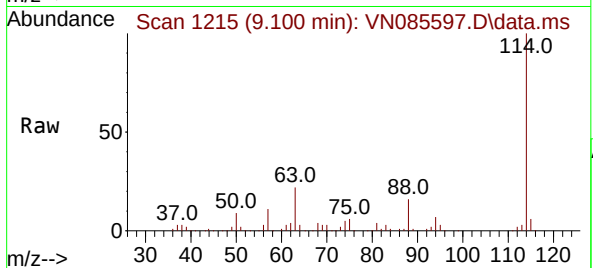
Tgt Ion:114 Resp: 329152

Ion Ratio Lower Upper

114 100

63 21.8 0.0 47.6

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.314 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

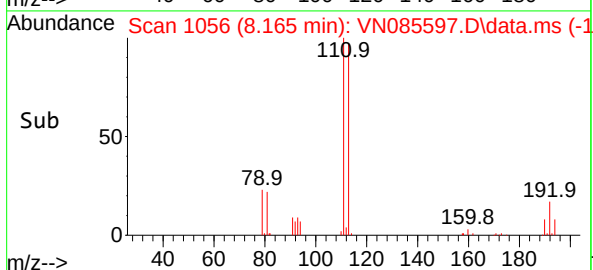
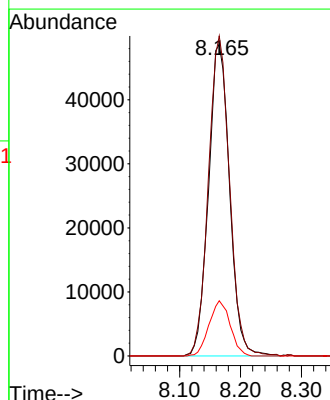
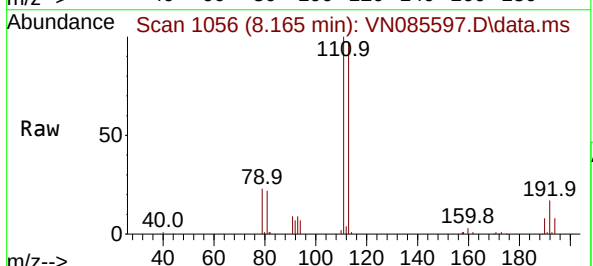
Tgt Ion:113 Resp: 117175

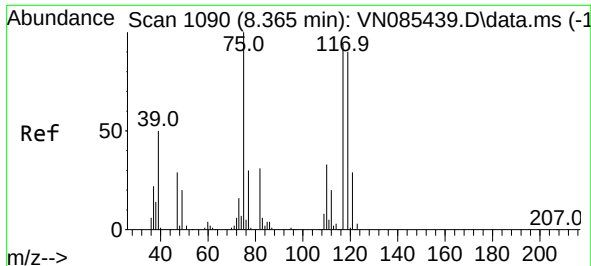
Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 17.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.141 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#02

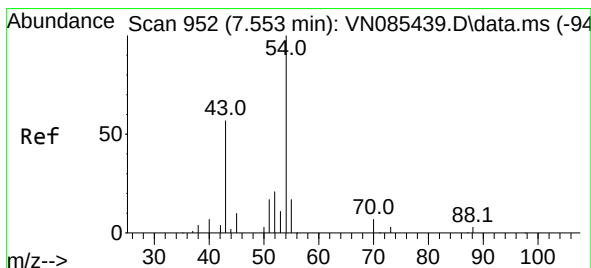
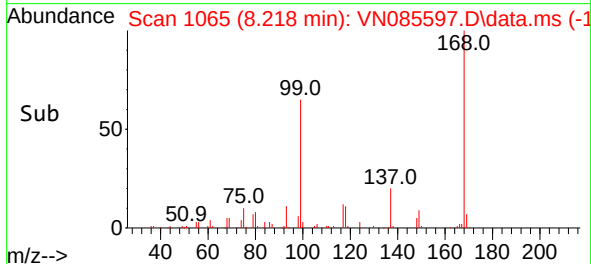
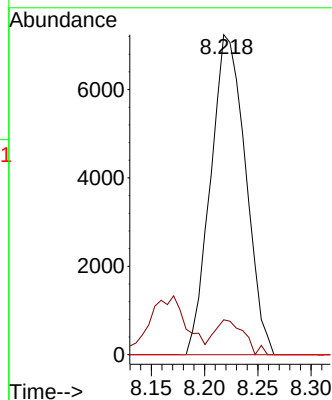
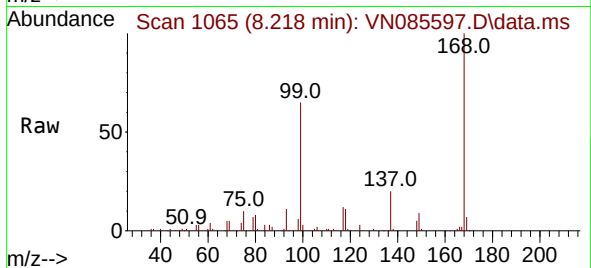
Tgt Ion: 75 Resp: 16476

Ion Ratio Lower Upper

75 100

110 9.3 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.232 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

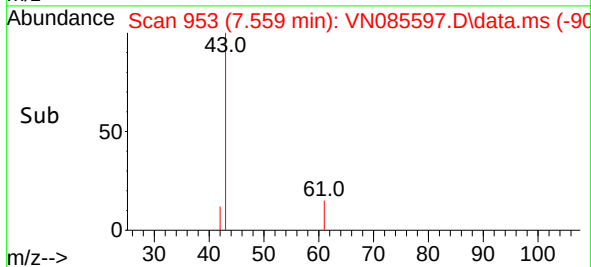
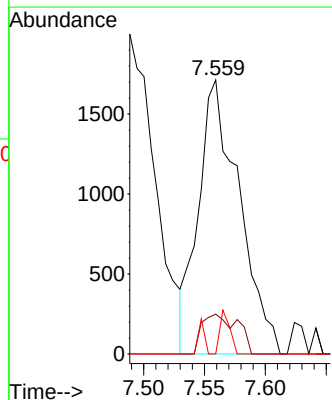
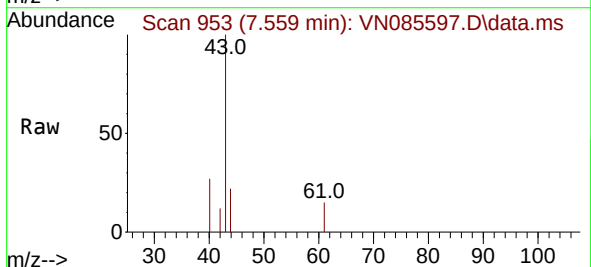
Tgt Ion: 43 Resp: 3986

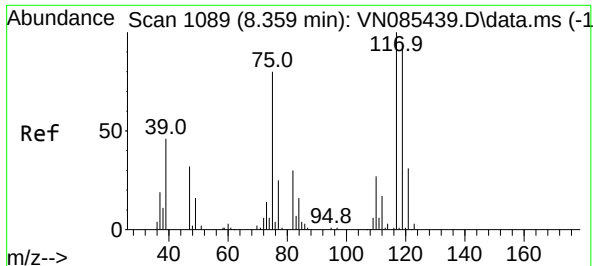
Ion Ratio Lower Upper

43 100

61 12.6 10.9 16.3

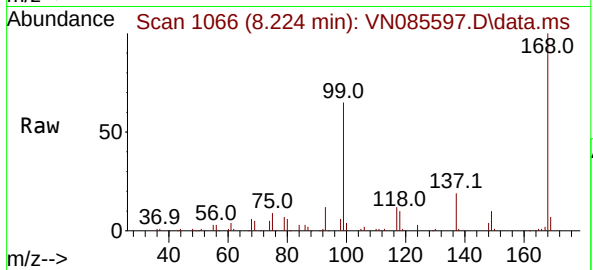
70 3.9 7.5 11.3#



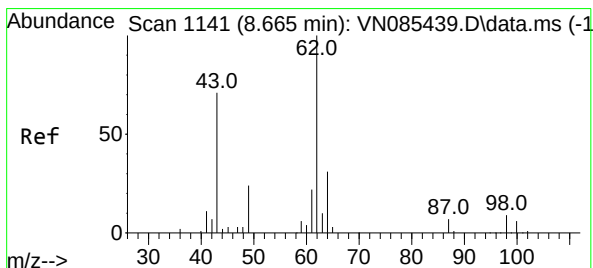
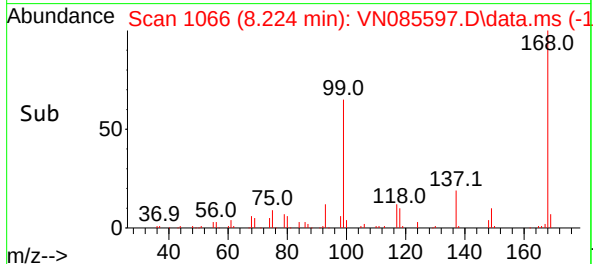
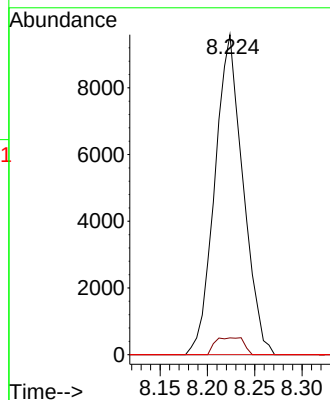


#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

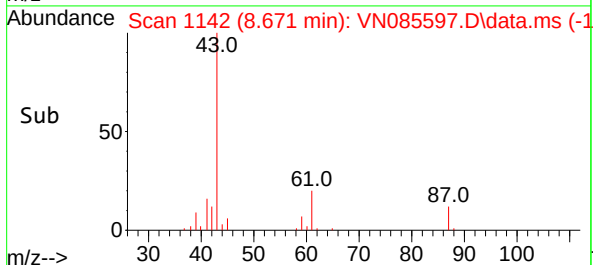
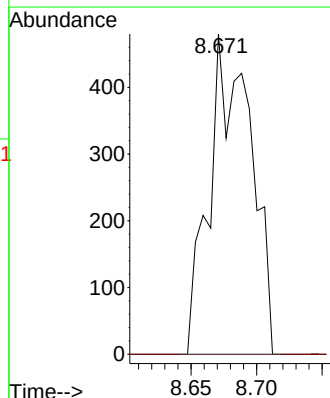
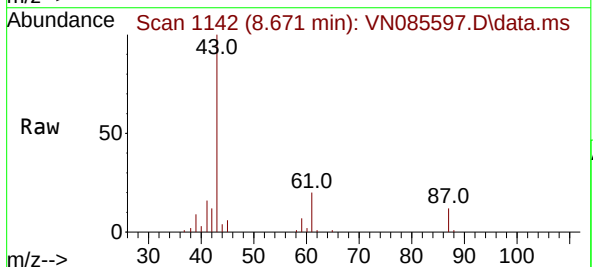


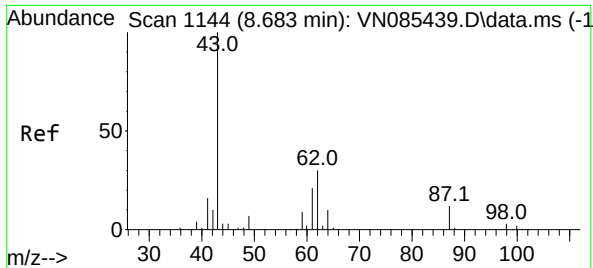
Tgt Ion:117 Resp: 19912
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.292 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 62 Resp: 1060
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

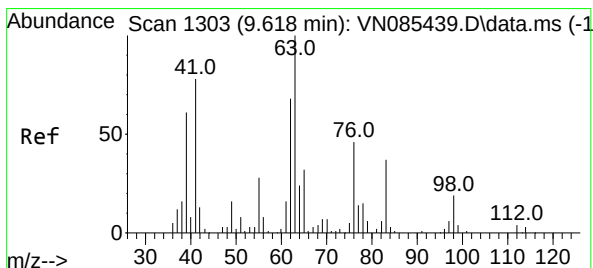
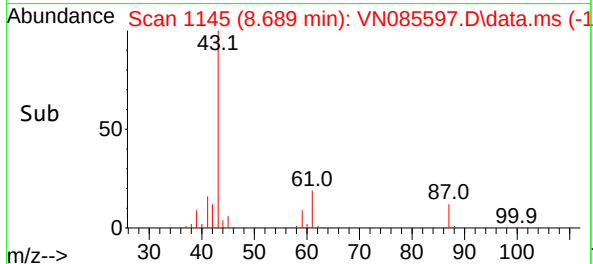
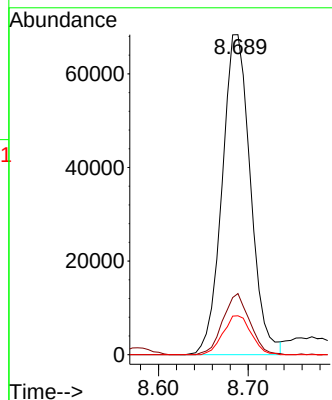
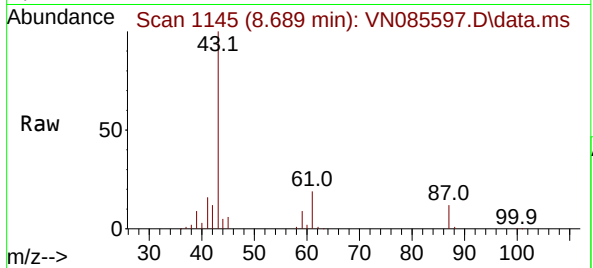




#43
Isopropyl Acetate
Concen: 28.930 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

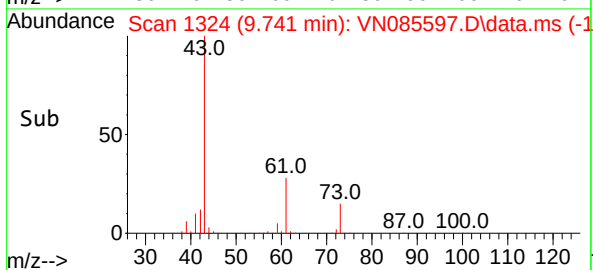
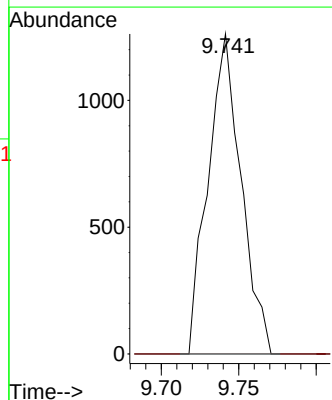
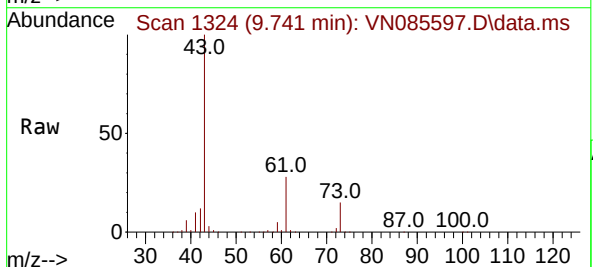
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

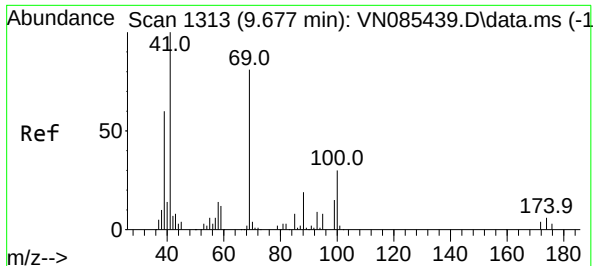
Tgt Ion: 43 Resp: 149956
Ion Ratio Lower Upper
43 100
61 18.1 20.7 31.1#
87 12.0 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.760 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 63 Resp: 1869
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 64.266 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.064 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#02

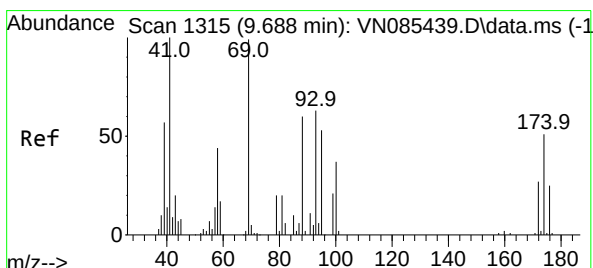
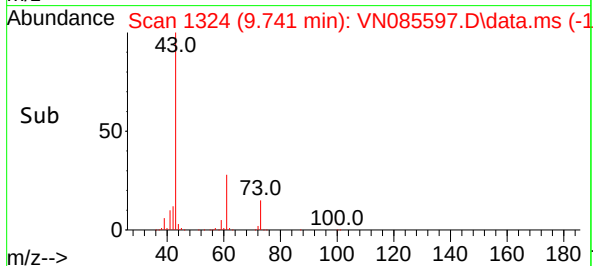
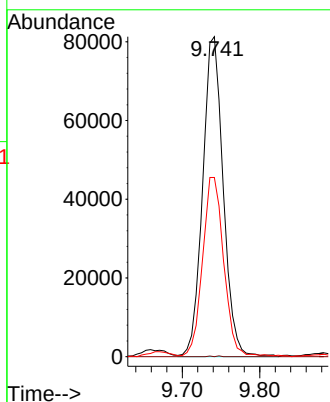
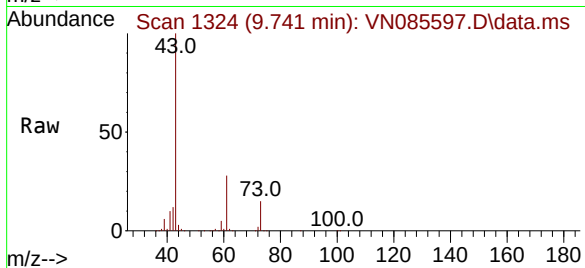
Tgt Ion: 41 Resp: 149908

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 57.8 49.0 73.6



#49

1,4-Dioxane

Concen: 4.124 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

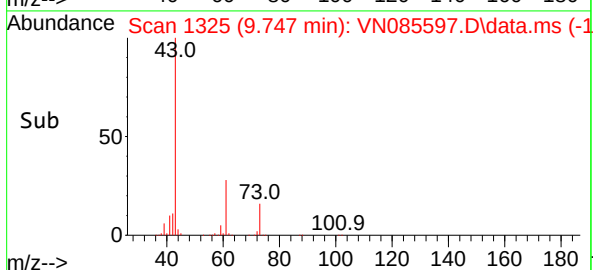
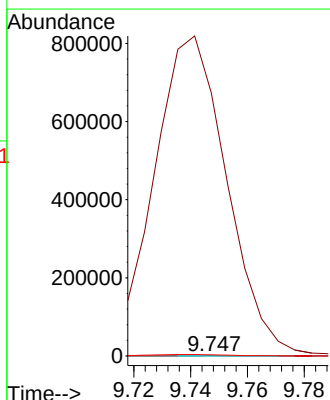
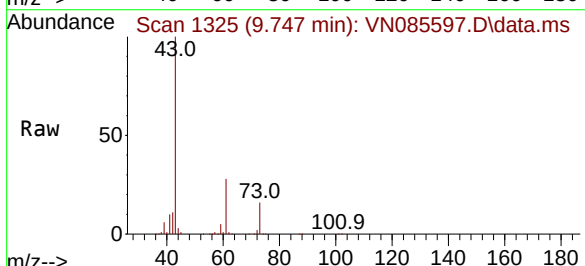
Tgt Ion: 88 Resp: 162

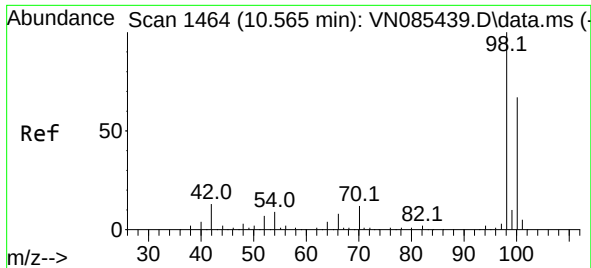
Ion Ratio Lower Upper

88 100

43 916230.9 26.6 39.8#

58 4561.7 59.5 89.3#

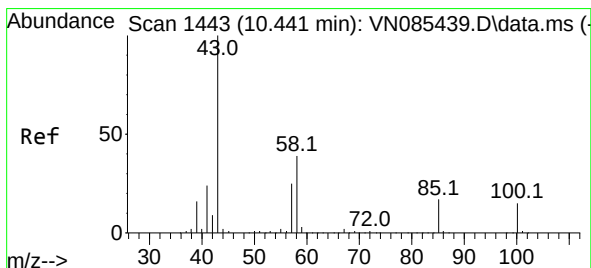
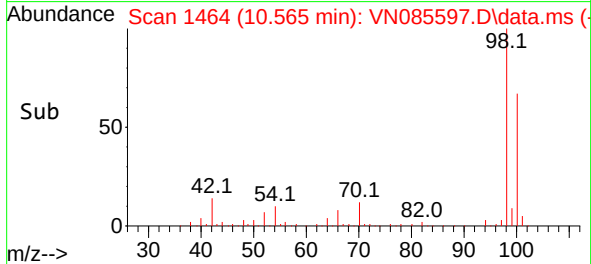
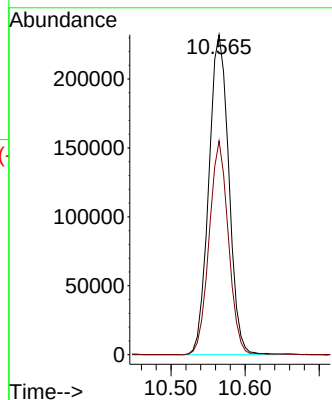
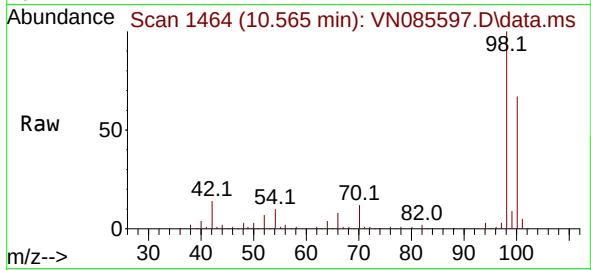




#50
Toluene-d8
Concen: 53.724 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

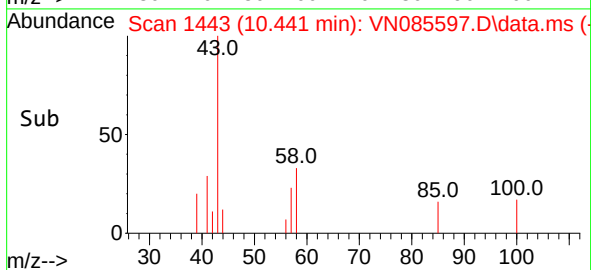
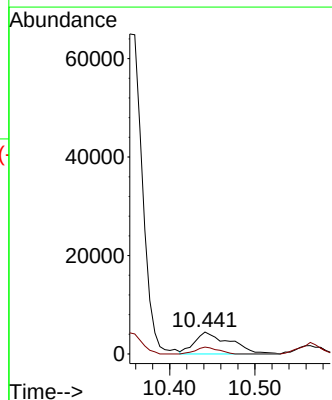
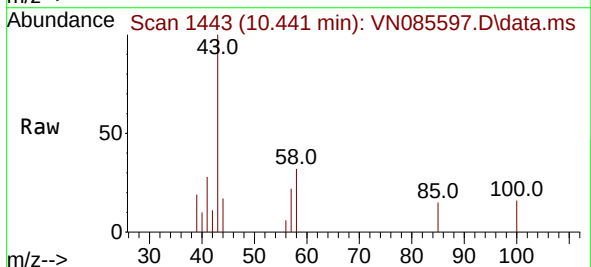
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

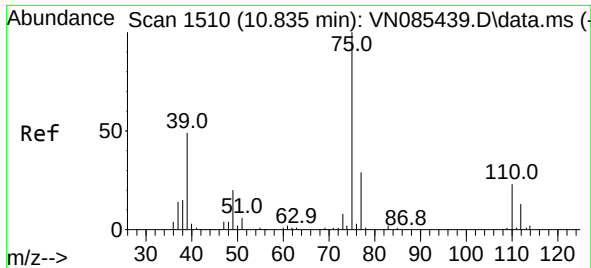
Tgt Ion: 98 Resp: 435880
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.250 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 43 Resp: 12783
Ion Ratio Lower Upper
43 100
58 19.9 30.5 45.7#

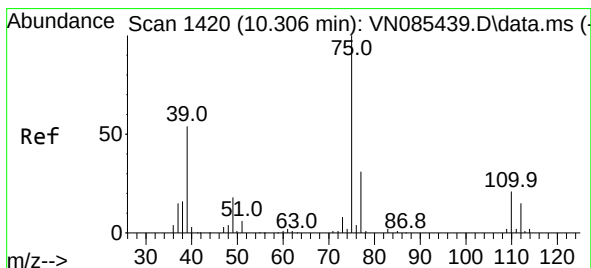
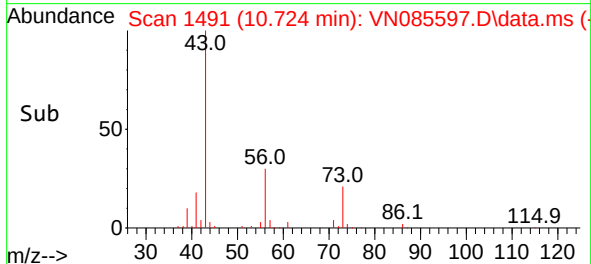
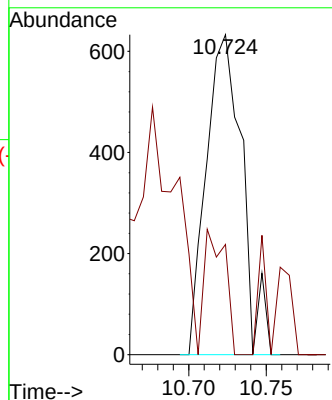
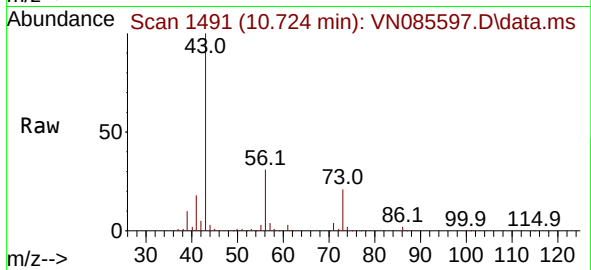




#53
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

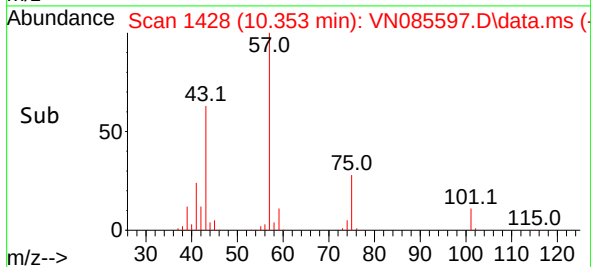
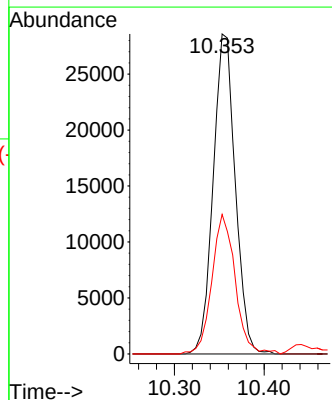
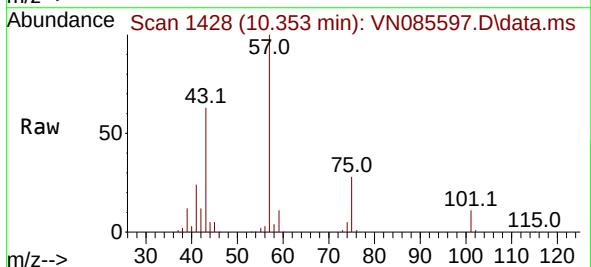
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

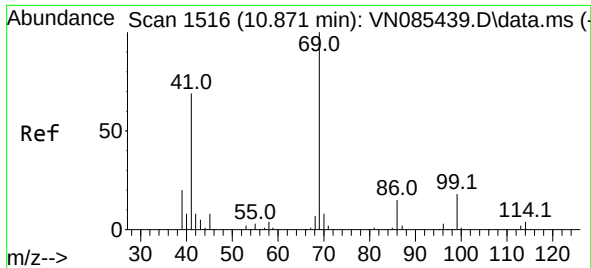
Tgt Ion: 75 Resp: 1016
Ion Ratio Lower Upper
75 100
77 7.1 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 13.391 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 75 Resp: 48878
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 43.6 43.1 64.7

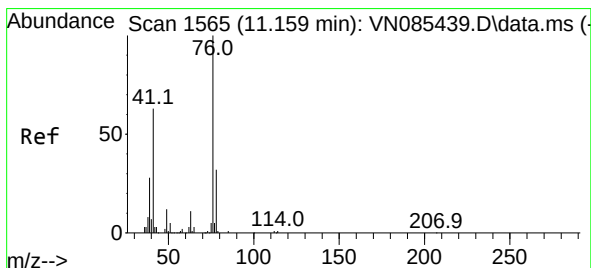
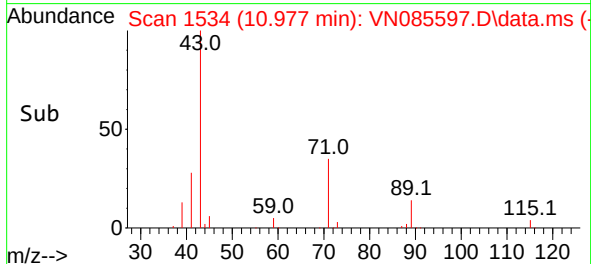
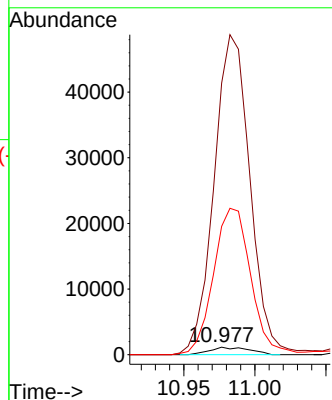
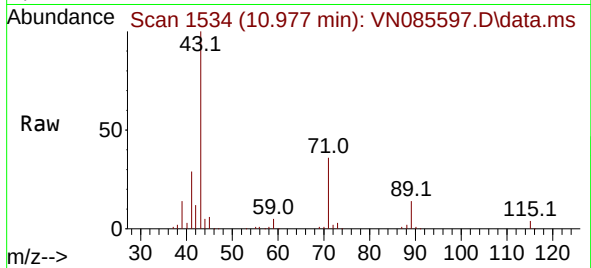




#56
Ethyl methacrylate
Concen: 2.501 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

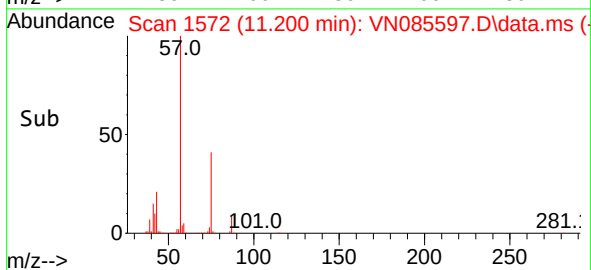
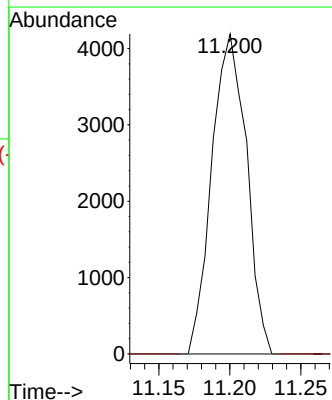
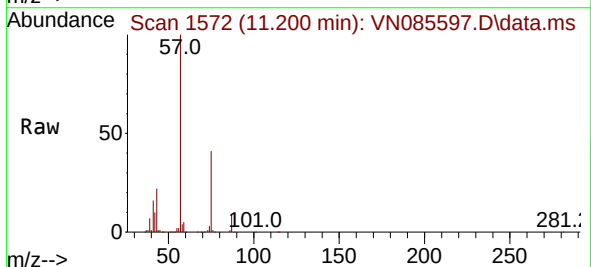
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

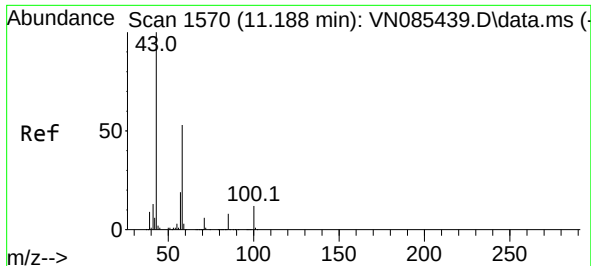
Tgt Ion: 69 Resp: 2205
Ion Ratio Lower Upper
69 100
41 3912.2 54.6 82.0#
39 1848.2 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.855 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 76 Resp: 7122
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

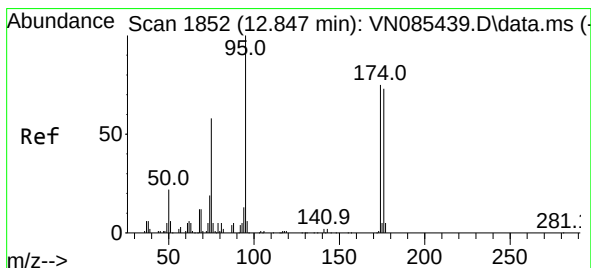
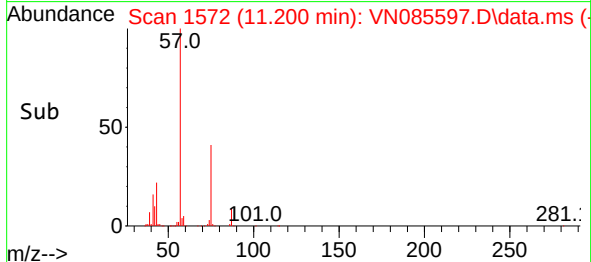
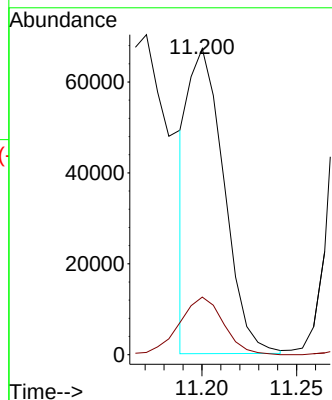
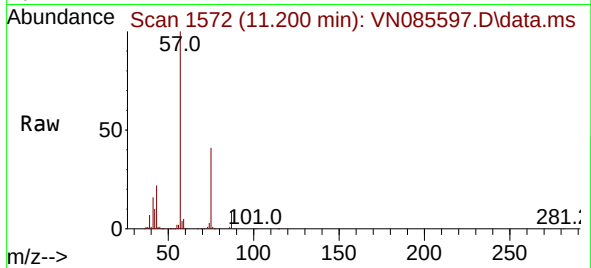




#59
2-Hexanone
Concen: 41.549 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

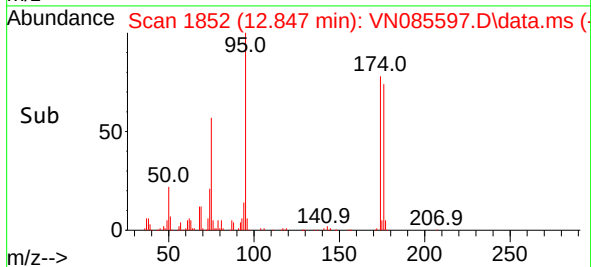
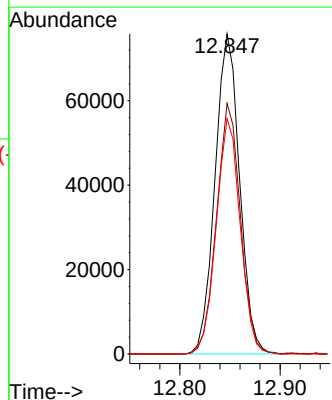
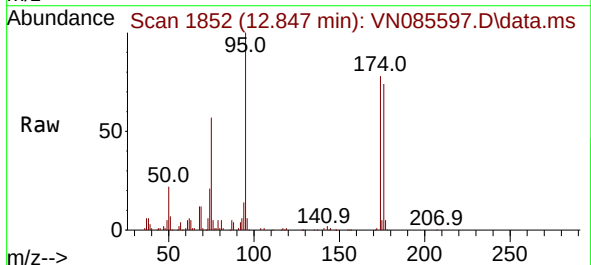
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

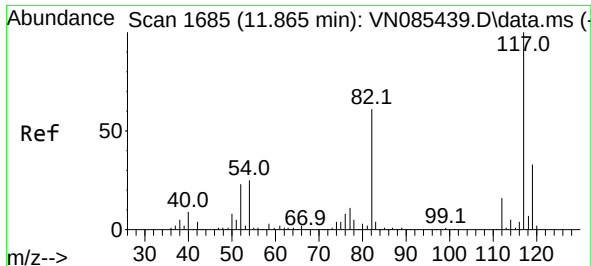
Tgt Ion: 43 Resp: 87934
Ion Ratio Lower Upper
43 100
58 23.5 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.488 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 95 Resp: 129020
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.0
176 71.9 0.0 142.4

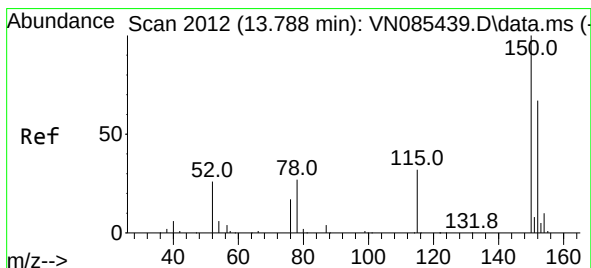
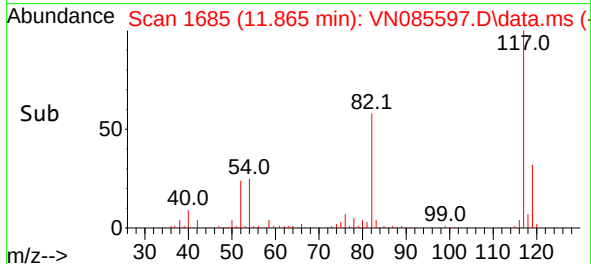
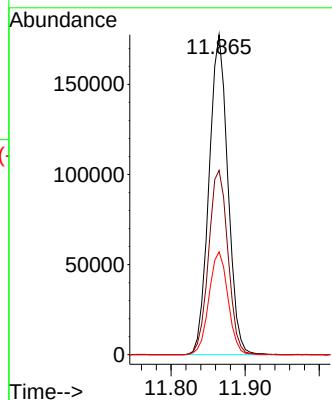
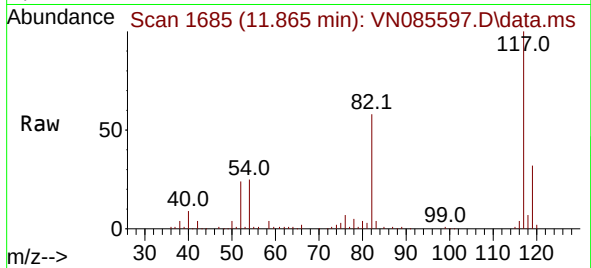




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

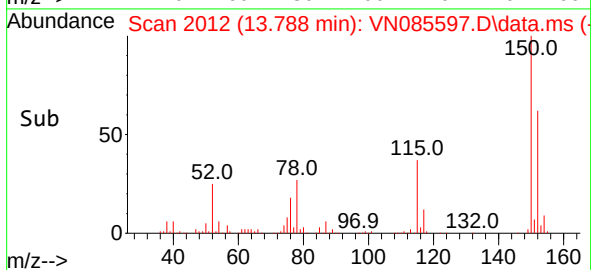
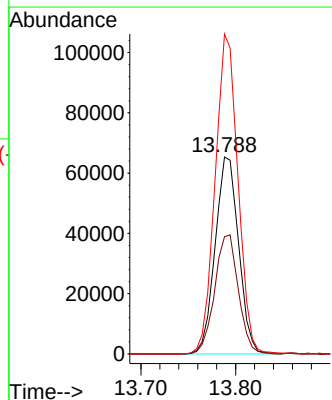
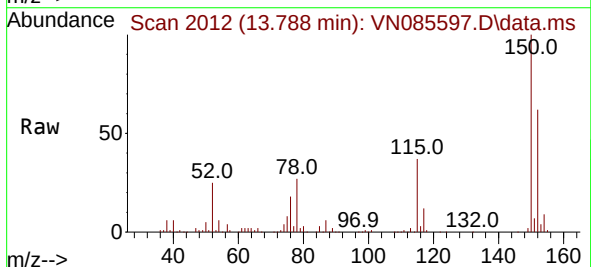
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

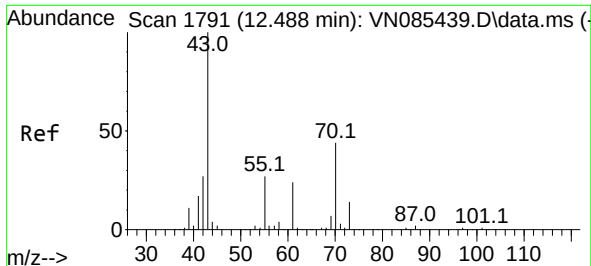
Tgt Ion:117 Resp: 313653
Ion Ratio Lower Upper
117 100
82 57.6 48.6 72.8
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion:152 Resp: 112594
Ion Ratio Lower Upper
152 100
115 60.9 31.1 93.3
150 157.9 0.0 343.6

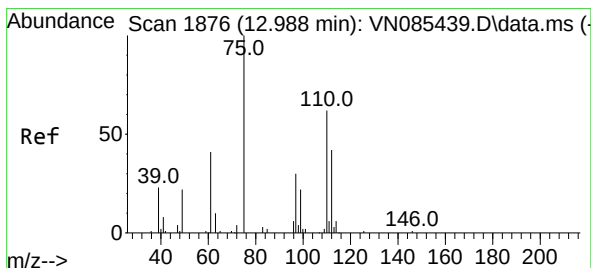
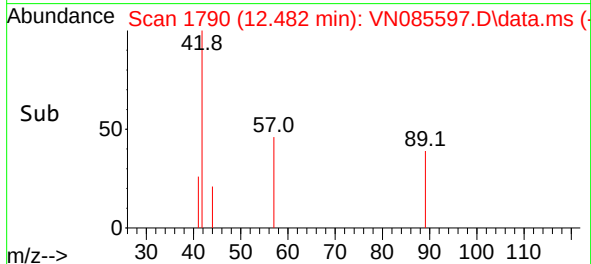
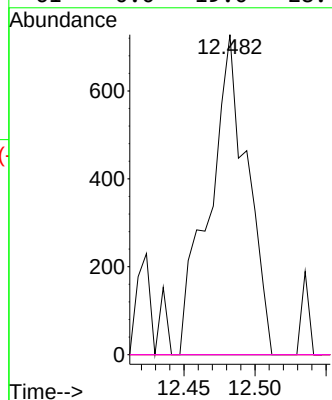
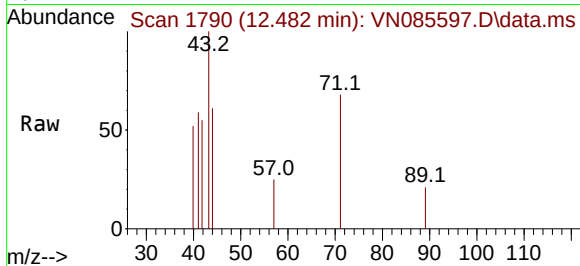




#74
N-amy1 acetate
Concen: 0.393 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

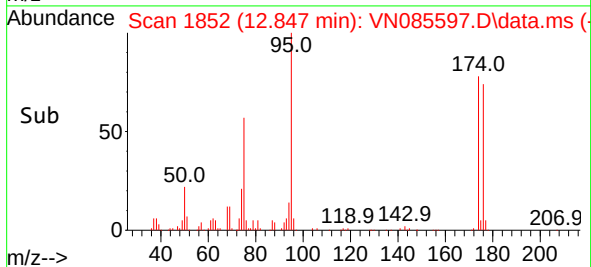
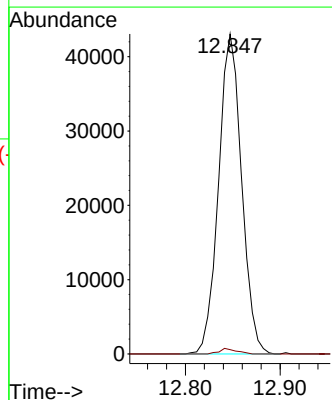
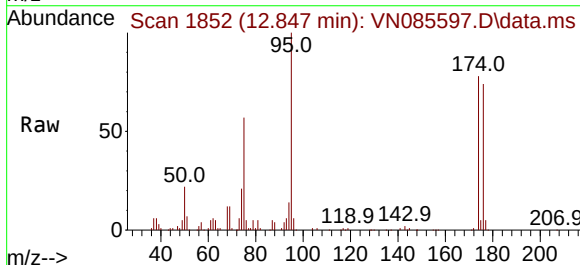
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

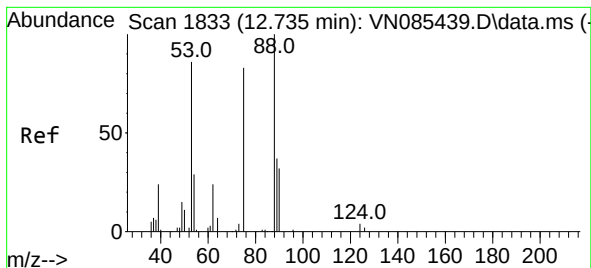
Tgt Ion: 43	Resp: 1343
Ion Ratio	Lower Upper
43 100	
70 0.0	34.0 51.0#
55 0.0	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 31.835 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion: 75	Resp: 72855
Ion Ratio	Lower Upper
75 100	
77 1.3	109.7 329.2#

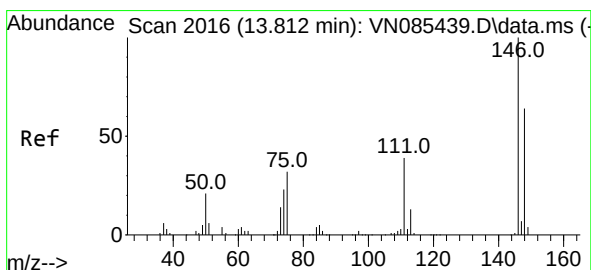
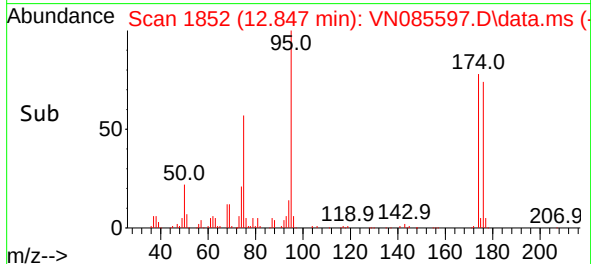
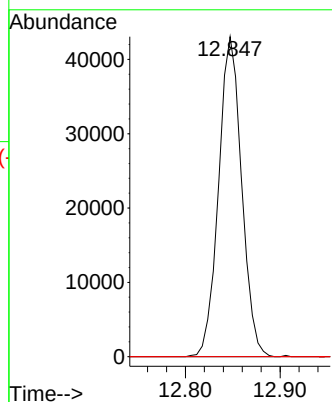
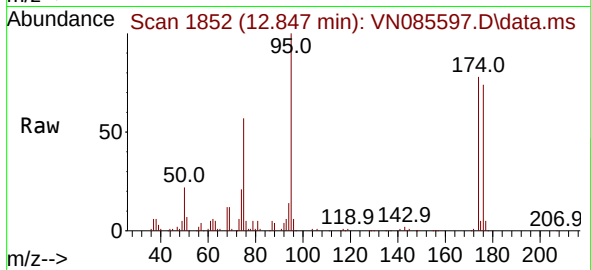




#81
trans-1,4-Dichloro-2-butene
Concen: 86.133 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

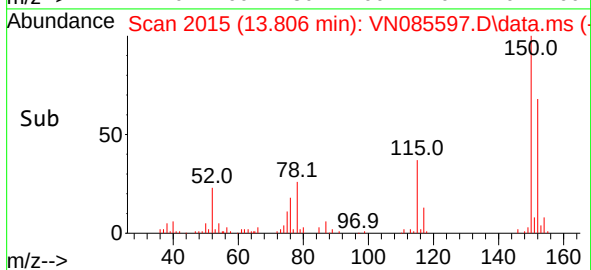
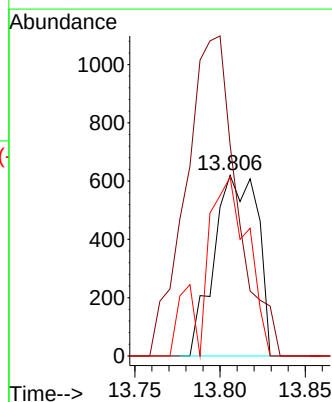
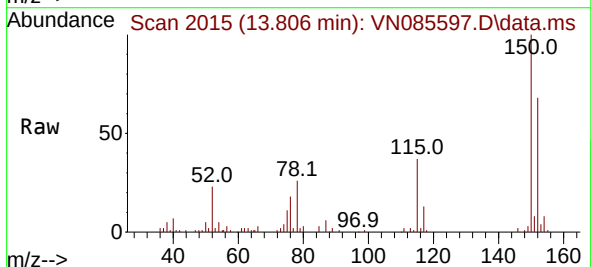
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#02

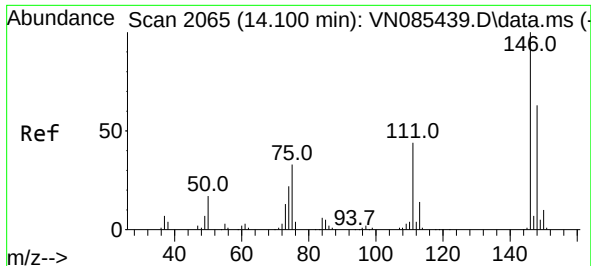
Tgt Ion: 75 Resp: 72855
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.293 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085597.D
Acq: 31 Jan 2025 13:15

Tgt Ion:146 Resp: 1109
Ion Ratio Lower Upper
146 100
111 206.5 21.3 63.7#
148 98.8 32.4 97.0#





#91

1,2-Dichlorobenzene

Concen: 0.228 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#02

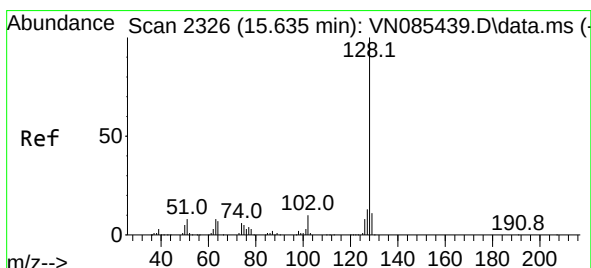
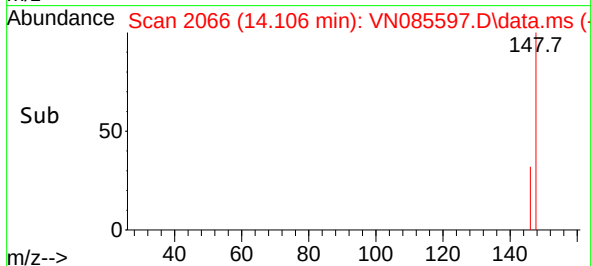
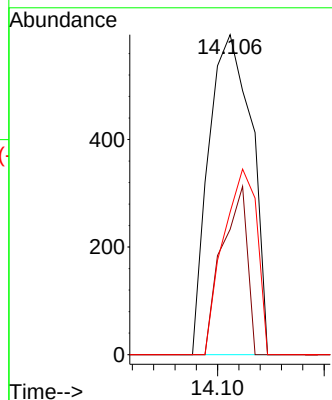
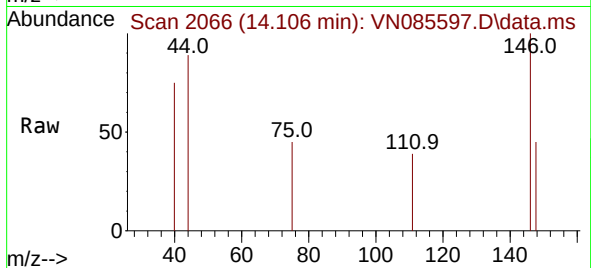
Tgt Ion:146 Resp: 831

Ion Ratio Lower Upper

146 100

111 31.0 21.7 65.1

148 45.7 31.4 94.2



#95

Naphthalene

Concen: 0.393 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN085597.D

Acq: 31 Jan 2025 13:15

Tgt Ion:128 Resp: 1988

Ion Ratio Lower Upper

128 100

127 6.6 10.6 16.0#

129 2.9 8.8 13.2#

