

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085868.D
 Acq On : 26 Feb 2025 13:55
 Operator : JC\MD
 Sample : PB166862TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166862TB

Quant Time: Feb 26 22:58:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

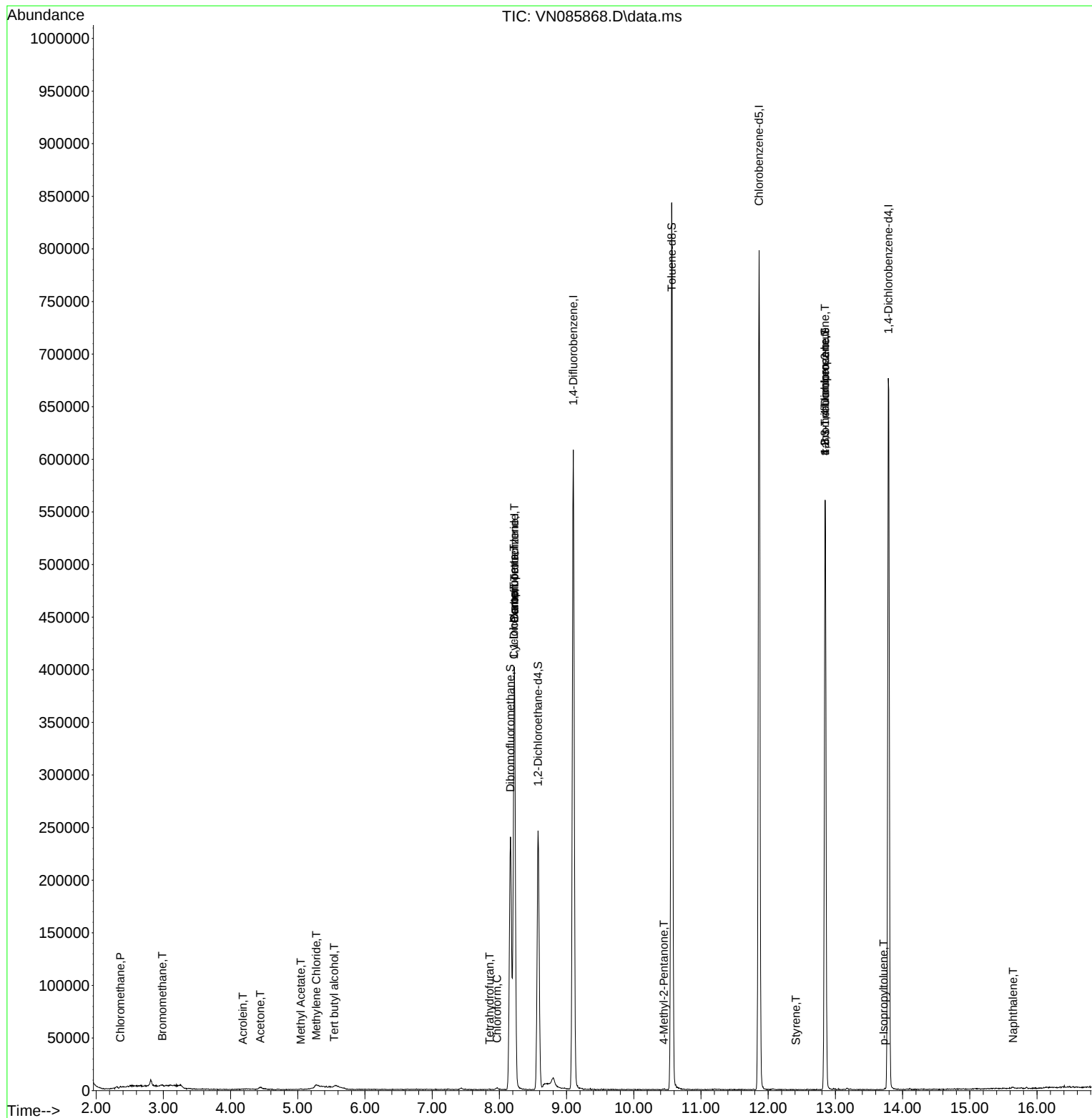
Internal Standards						
1) Pentafluorobenzene	8.224	168	290360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	538127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	476782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	199407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	198485	52.727	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.460%			
35) Dibromofluoromethane	8.165	113	176110	50.014	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	10.565	98	601460	46.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.900%			
62) 4-Bromofluorobenzene	12.847	95	203448	48.198	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.400%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	838	0.211	ug/l	89
5) Bromomethane	2.983	94	937	0.349	ug/l #	79
11) Tert butyl alcohol	5.542	59	180	0.389	ug/l #	72
13) Acrolein	4.183	56	143	0.208	ug/l #	15
16) Acetone	4.442	43	3998	3.356	ug/l #	88
18) Methyl Acetate	5.047	43	954	0.233	ug/l #	47
20) Methylene Chloride	5.277	84	2289	0.598	ug/l #	92
29) Tetrahydrofuran	7.853	42	428	0.378	ug/l #	29
30) Chloroform	7.965	83	1808	0.269	ug/l	92
31) Cyclohexane	8.218	56	5924	1.102	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	23401	4.696	ug/l #	50
38) Carbon Tetrachloride	8.224	117	29330	4.953	ug/l #	17
43) Isopropyl Acetate	8.694	43	2028	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.447	43	949	0.240	ug/l #	64
70) Styrene	12.412	104	64	0.590	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	97720	22.061	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	97720	64.369	ug/l #	13
86) p-Isopropyltoluene	13.717	119	63	0.631	ug/l #	50
95) Naphthalene	15.647	128	2030	0.233	ug/l #	82

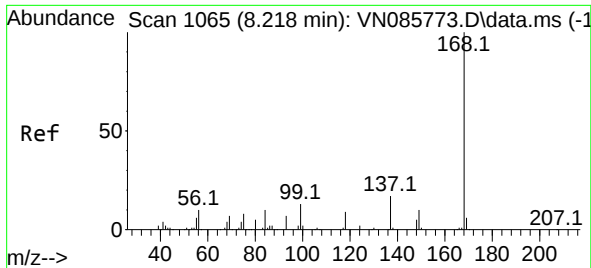
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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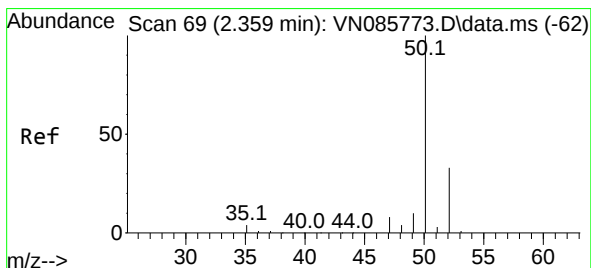
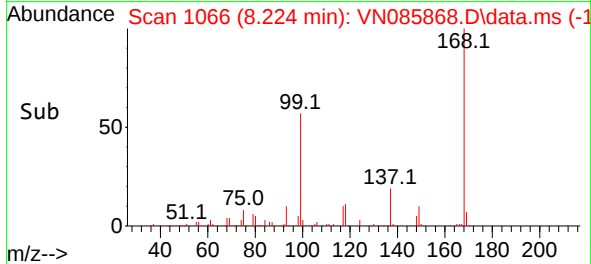
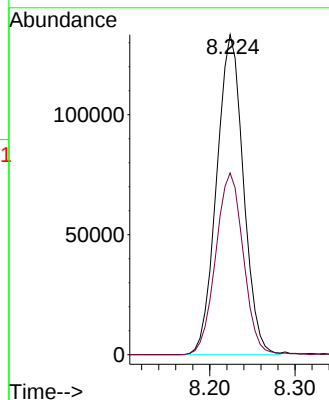
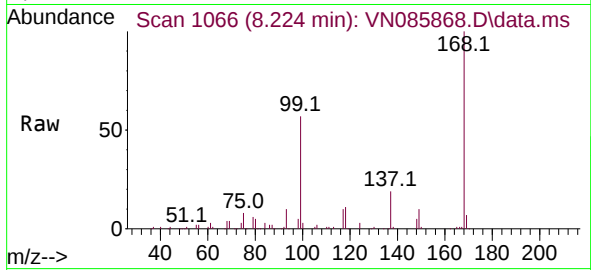




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

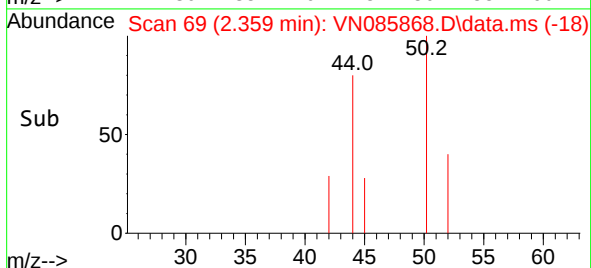
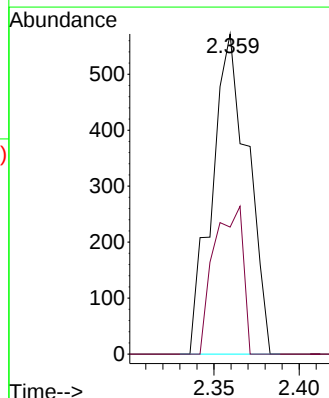
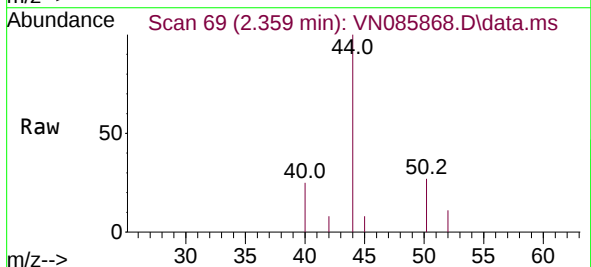
Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

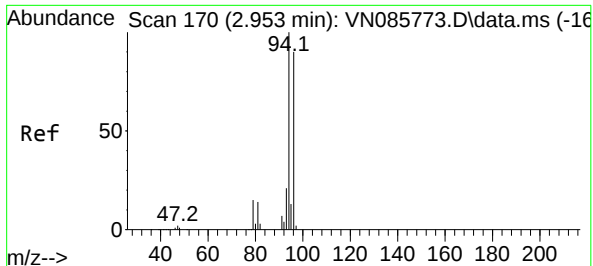
Tgt Ion:168 Resp: 290360
Ion Ratio Lower Upper
168 100
99 56.8 47.9 71.9



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 50 Resp: 838
Ion Ratio Lower Upper
50 100
52 39.7 26.7 40.1

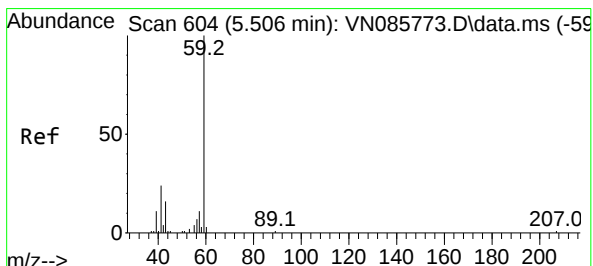
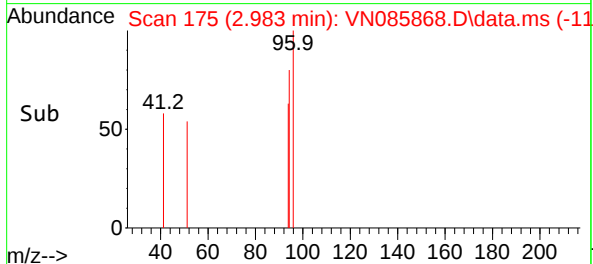
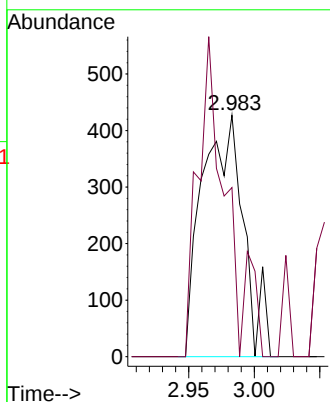
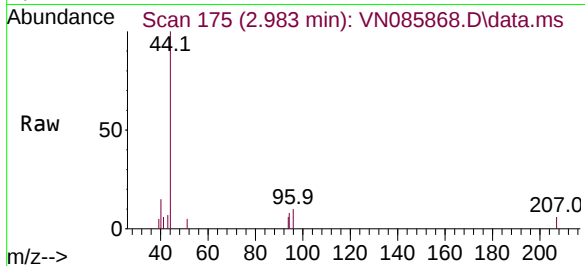




#5
Bromomethane
Concen: 0.349 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

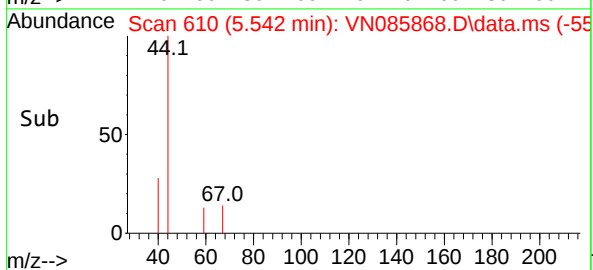
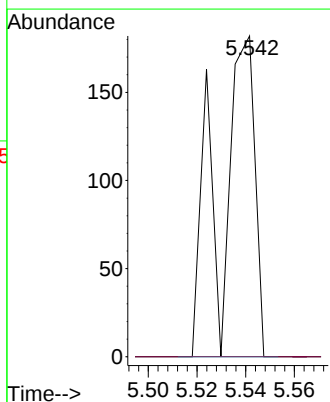
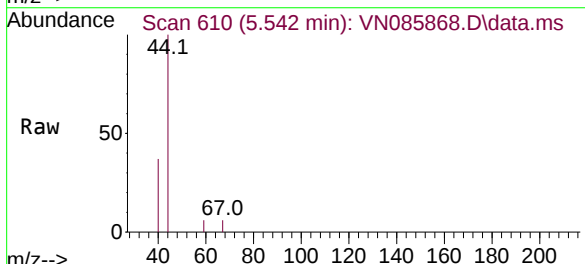
Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

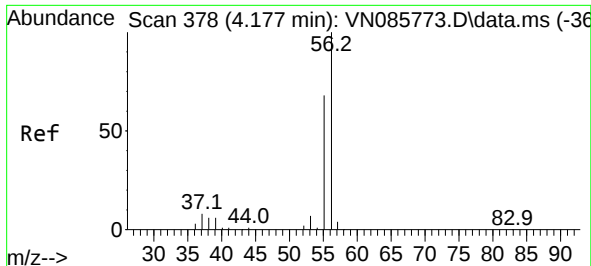
Tgt Ion: 94 Resp: 937
Ion Ratio Lower Upper
94 100
96 70.0 71.7 107.5#



#11
Tert butyl alcohol
Concen: 0.389 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.035 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.208 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

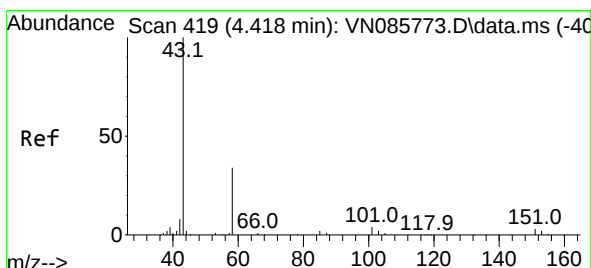
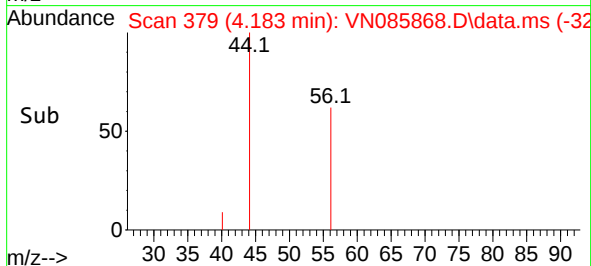
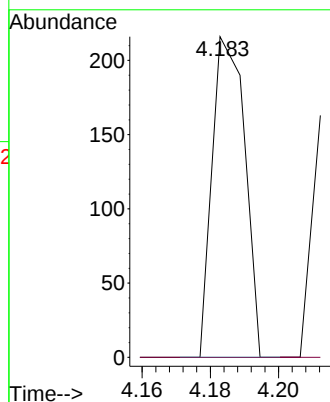
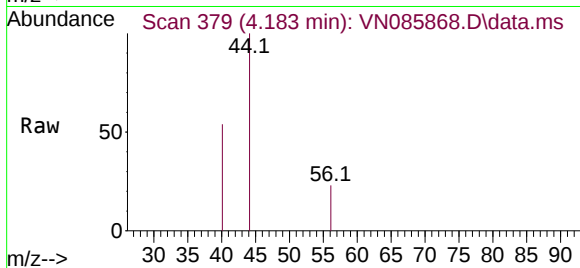
PB166862TB

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 3.356 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.024 min

Lab File: VN085868.D

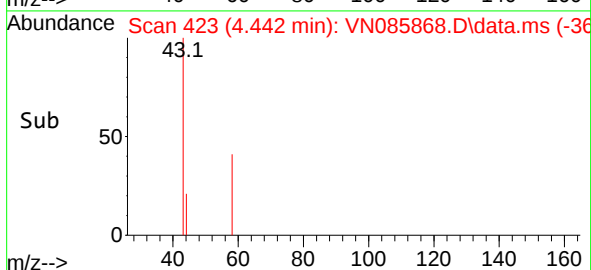
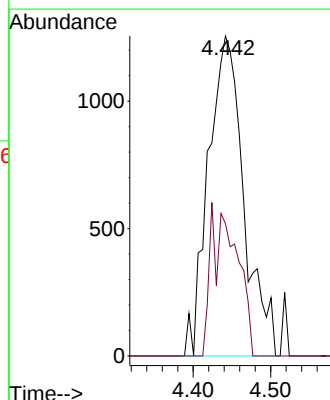
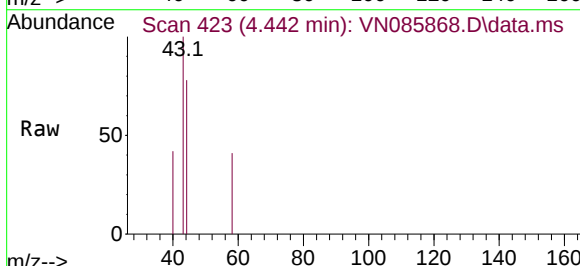
Acq: 26 Feb 2025 13:55

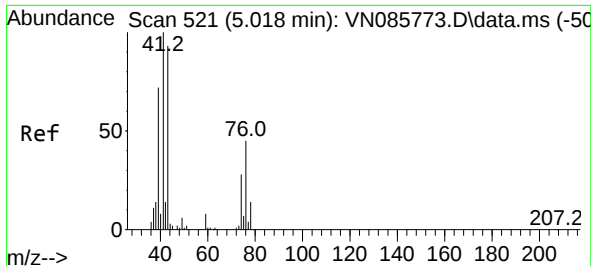
Tgt Ion: 43 Resp: 3998

Ion Ratio Lower Upper

43 100

58 41.3 27.5 41.3#

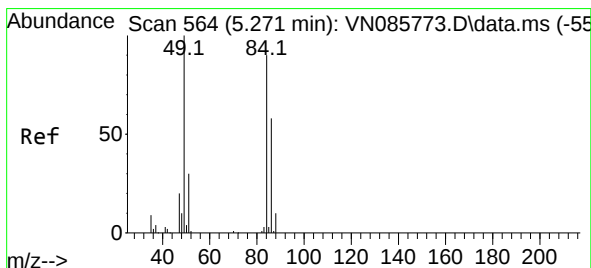
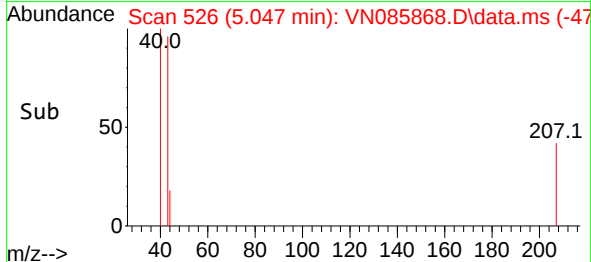
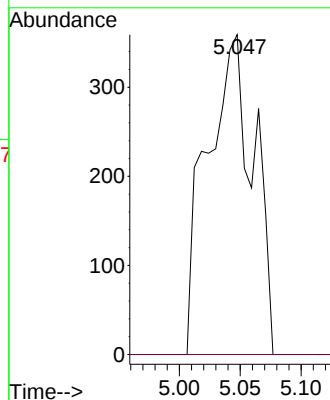
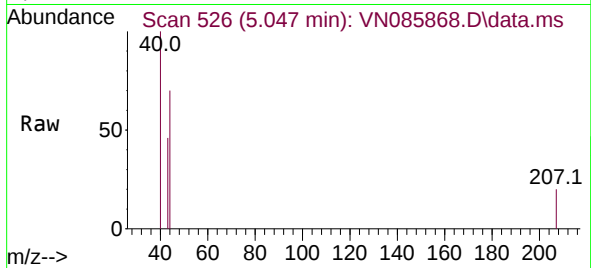




#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

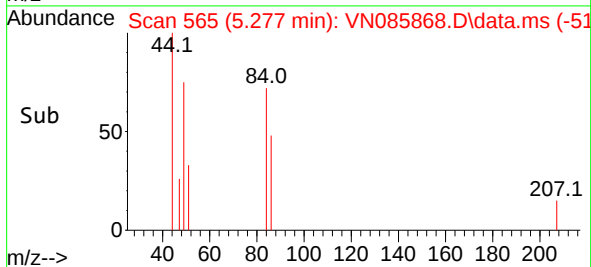
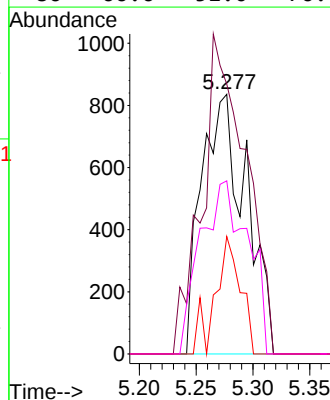
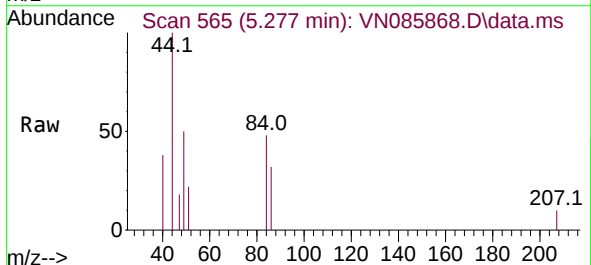
Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

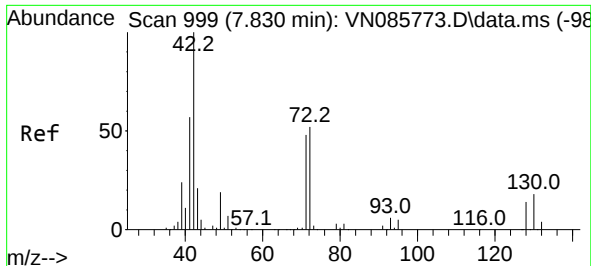
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#20
Methylene Chloride
Concen: 0.598 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 84 Resp: 2289
Ion Ratio Lower Upper
84 100
49 103.9 88.4 132.6
51 45.2 26.6 40.0#
86 66.6 51.0 76.6





#29

Tetrahydrofuran

Concen: 0.378 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.024 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB166862TB

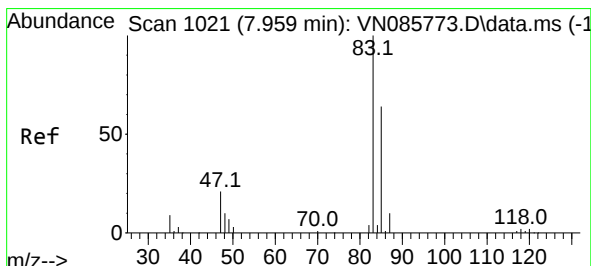
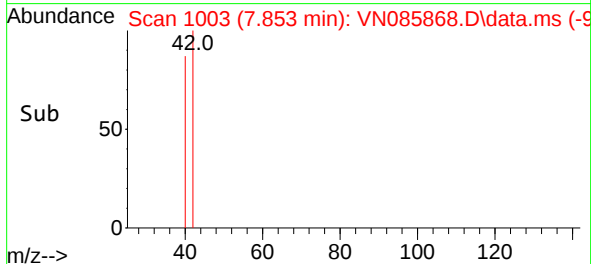
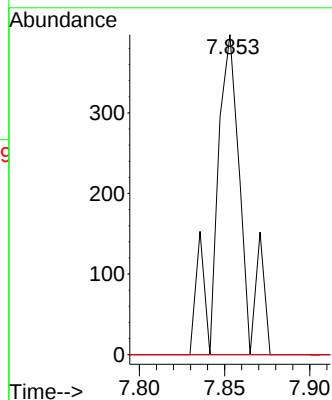
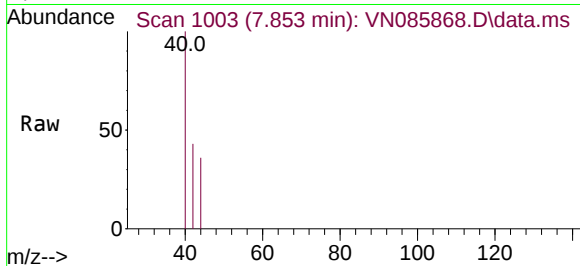
Tgt Ion: 42 Resp: 428

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 0.0 37.0 55.4#



#30

Chloroform

Concen: 0.269 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085868.D

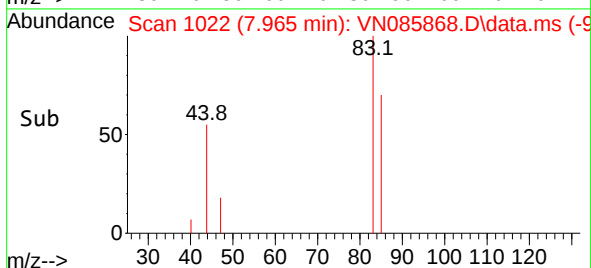
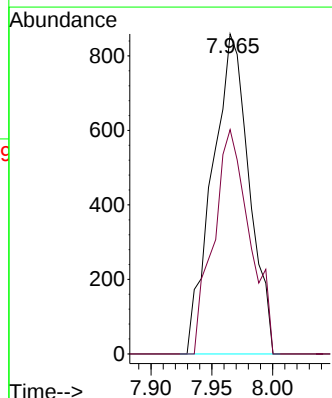
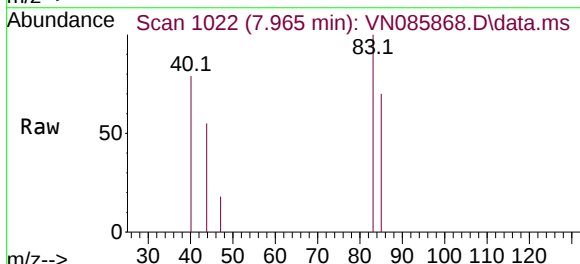
Acq: 26 Feb 2025 13:55

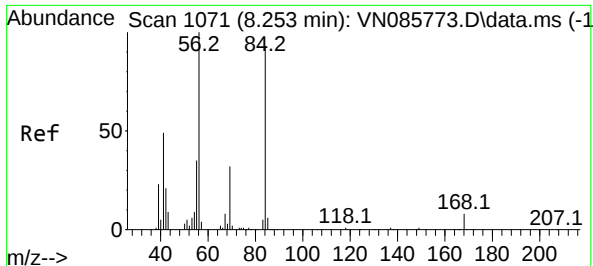
Tgt Ion: 83 Resp: 1808

Ion Ratio Lower Upper

83 100

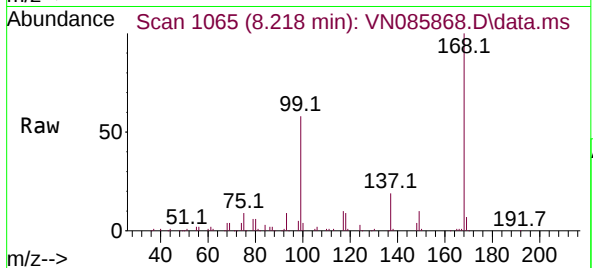
85 70.1 50.9 76.3





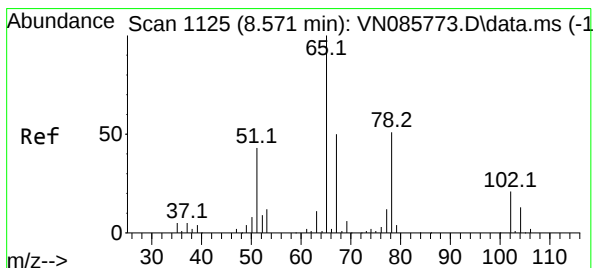
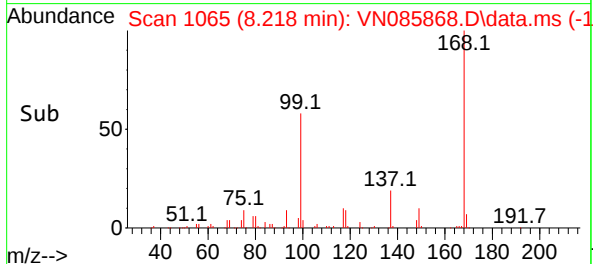
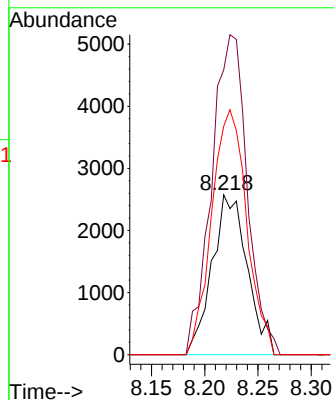
#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Instrument :
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ClientSampleId :
PB166862TB



Tgt Ion: 56 Resp: 5924

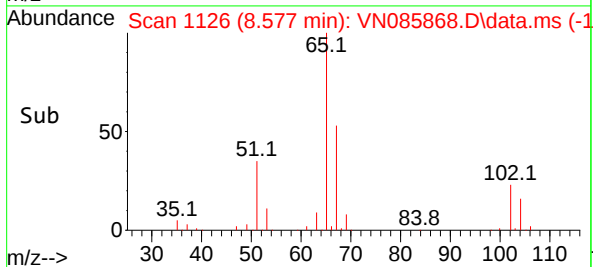
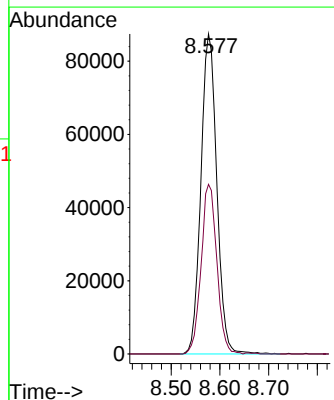
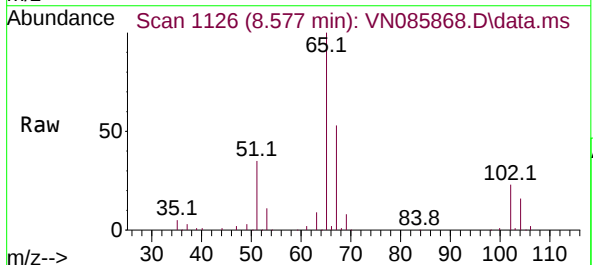
Ion	Ratio	Lower	Upper
56	100		
69	178.1	25.8	38.6#
84	142.8	74.5	111.7#

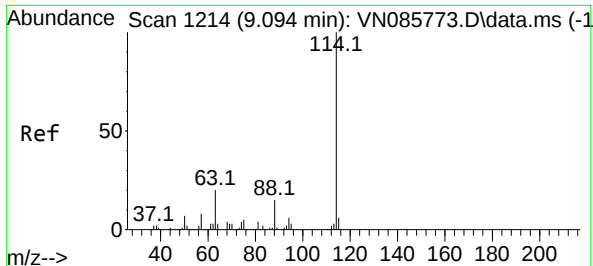


#33
1,2-Dichloroethane-d4
Concen: 52.727 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 65 Resp: 198485

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

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PB166862TB

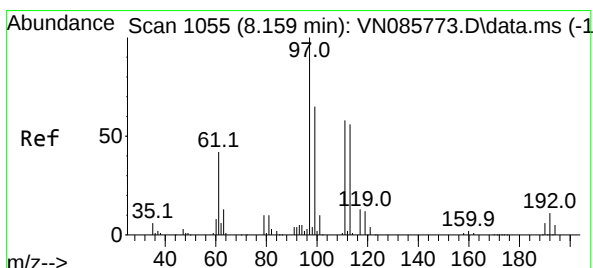
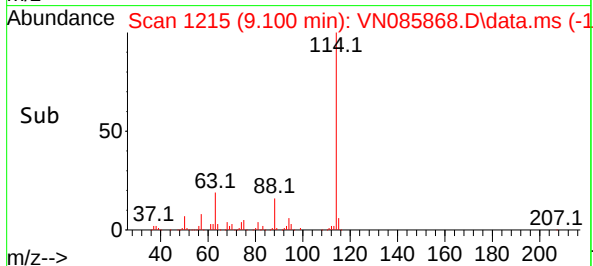
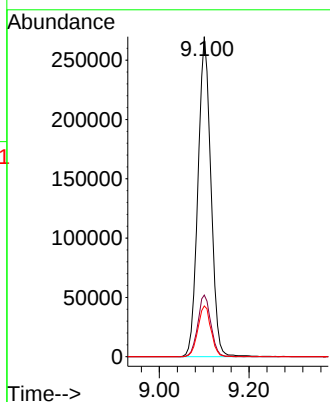
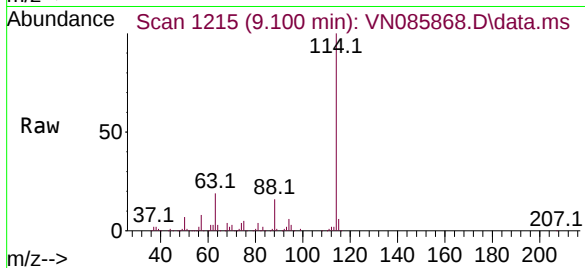
Tgt Ion:114 Resp: 538127

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 15.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.014 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

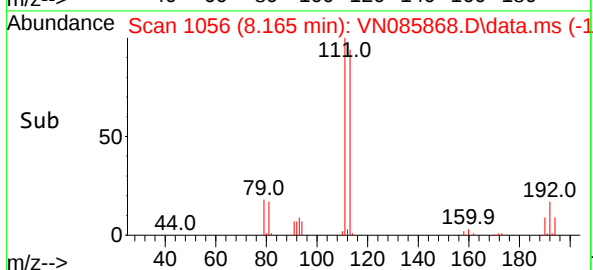
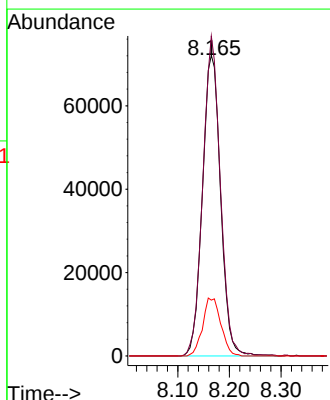
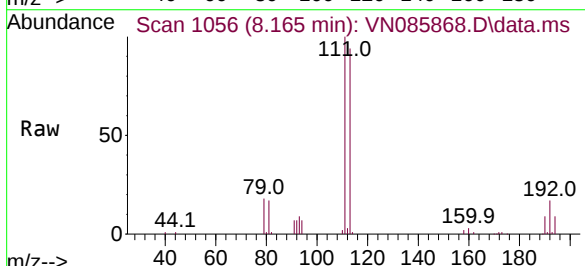
Tgt Ion:113 Resp: 176110

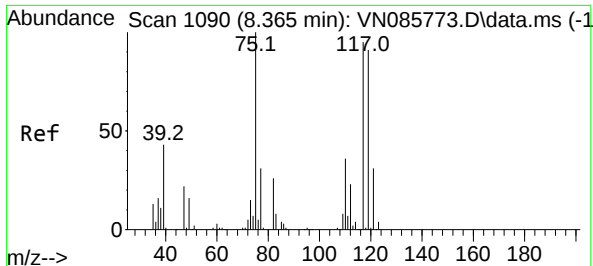
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 19.3 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB166862TB

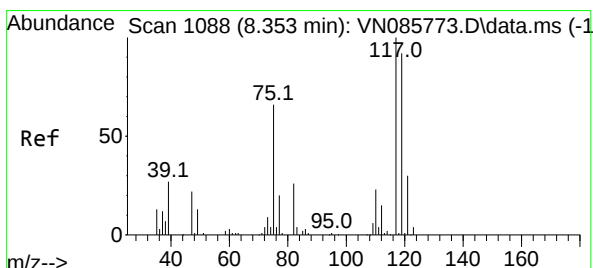
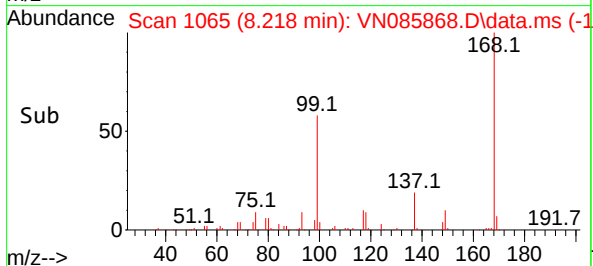
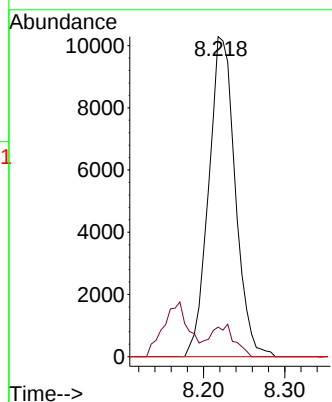
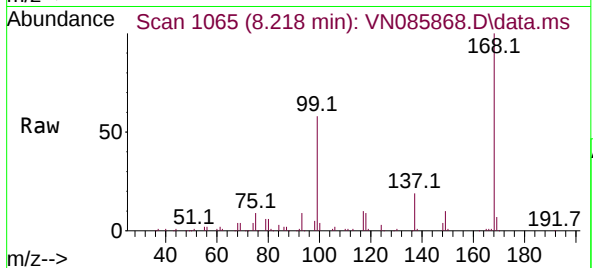
Tgt Ion: 75 Resp: 23401

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.953 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

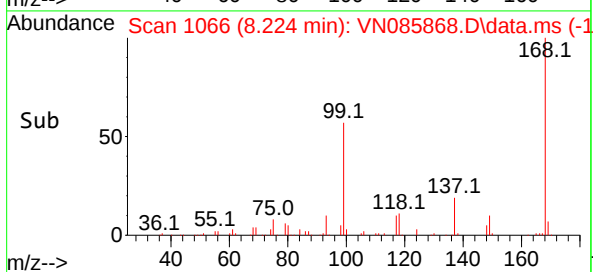
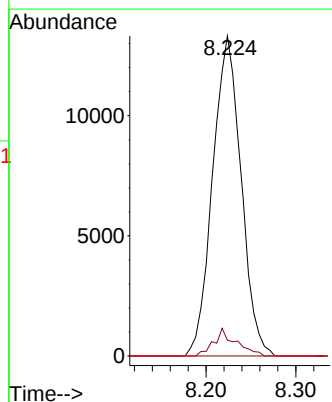
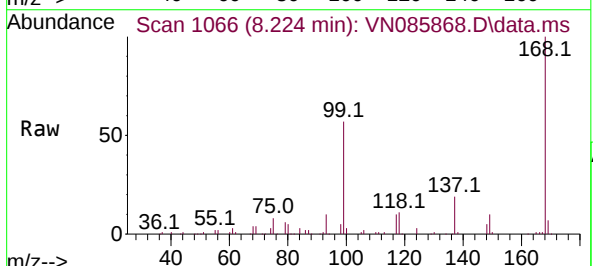
Tgt Ion: 117 Resp: 29330

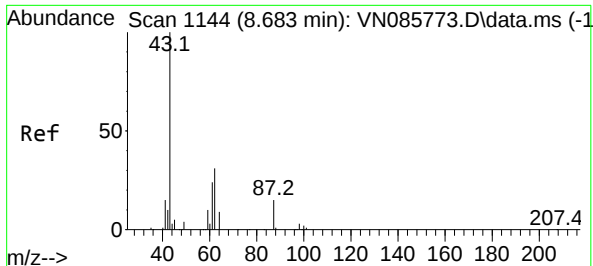
Ion Ratio Lower Upper

117 100

119 4.9 73.8 110.6#

121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1144

Delta R.T. 0.011 min

Lab File: VN085868.D

Acq: 26 Feb 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB166862TB

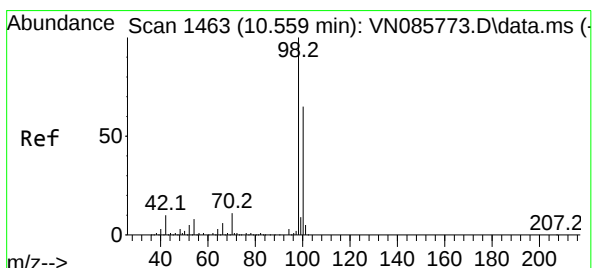
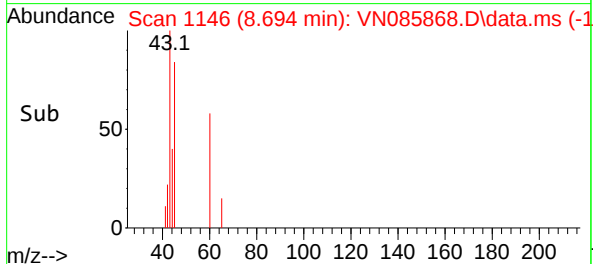
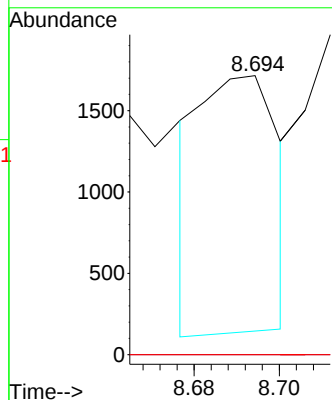
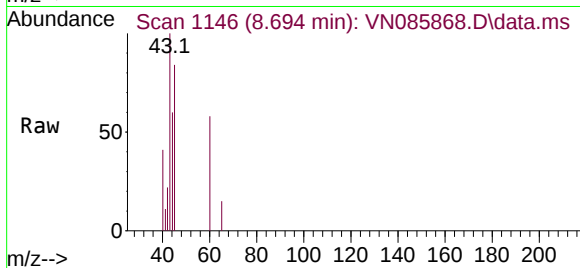
Tgt Ion: 43 Resp: 2028

Ion Ratio Lower Upper

43 100

61 0.0 22.6 34.0#

87 0.0 11.8 17.8#



#50

Toluene-d8

Concen: 46.947 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085868.D

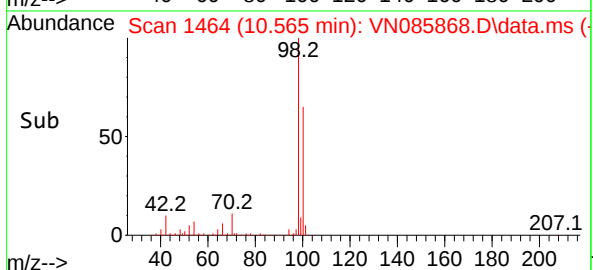
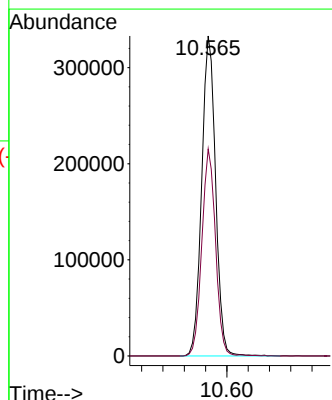
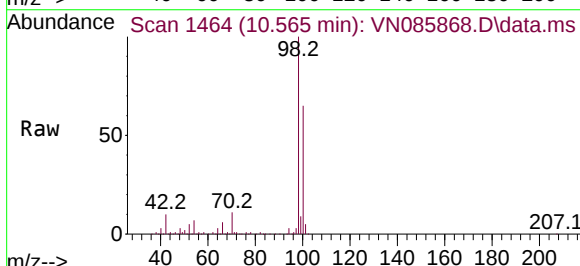
Acq: 26 Feb 2025 13:55

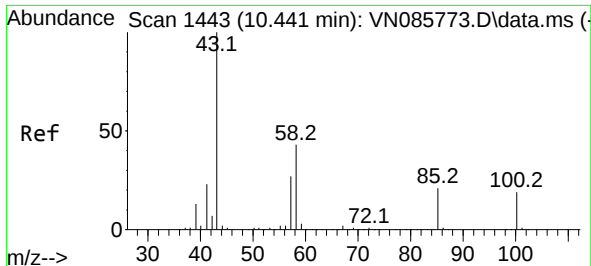
Tgt Ion: 98 Resp: 601460

Ion Ratio Lower Upper

98 100

100 63.8 52.1 78.1

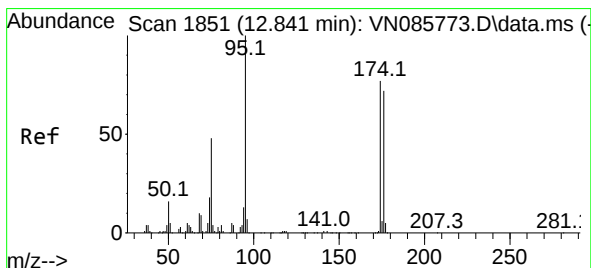
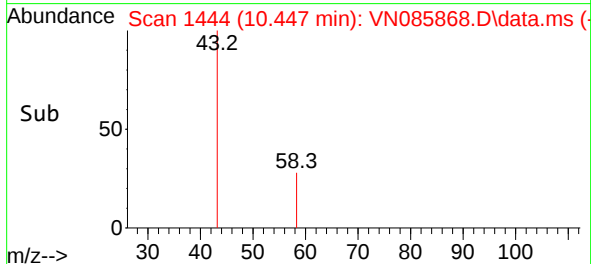
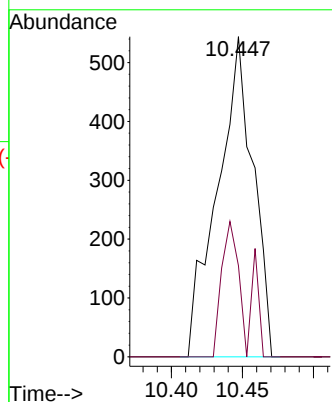
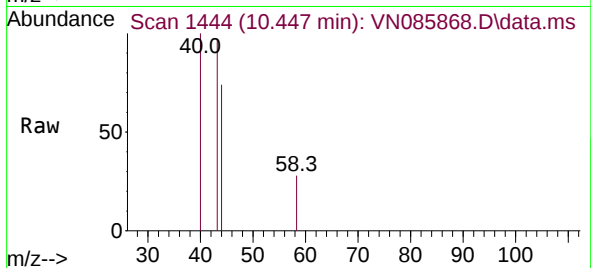




#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

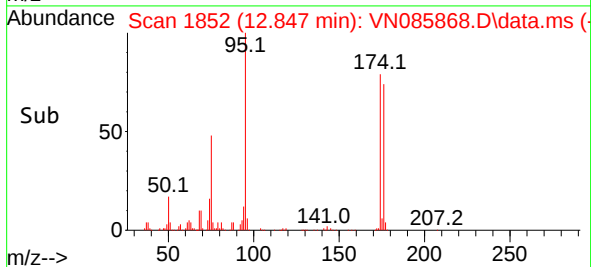
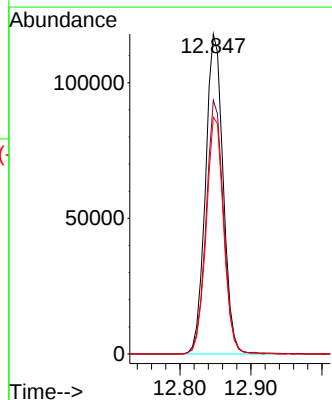
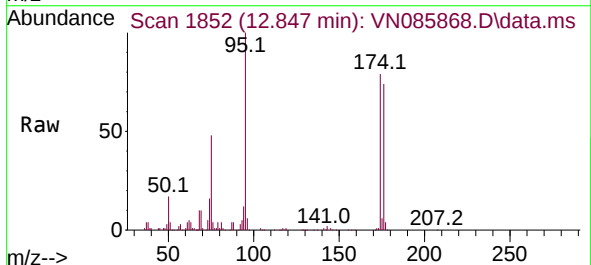
Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

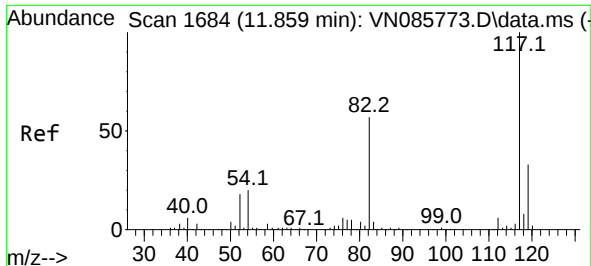
Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
58 19.9 34.6 52.0#



#62
4-Bromofluorobenzene
Concen: 48.198 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 95 Resp: 203448
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.4
176 73.3 0.0 146.6

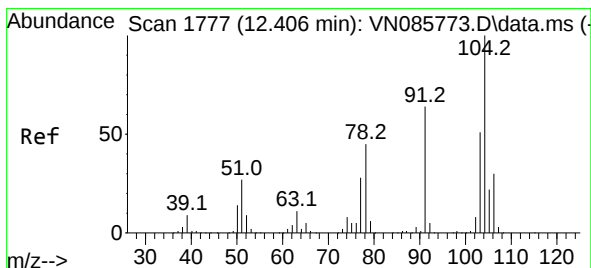
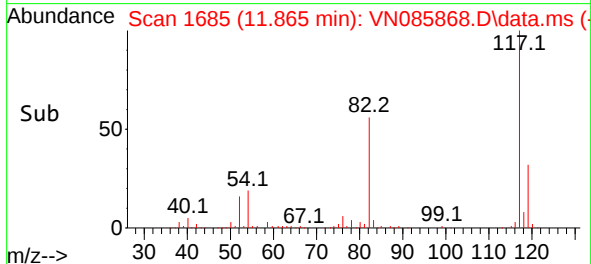
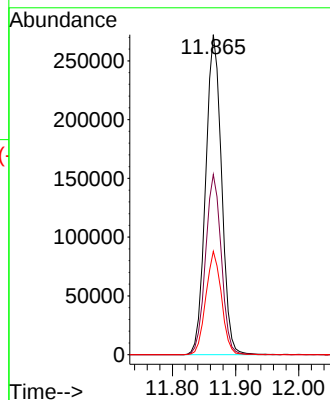
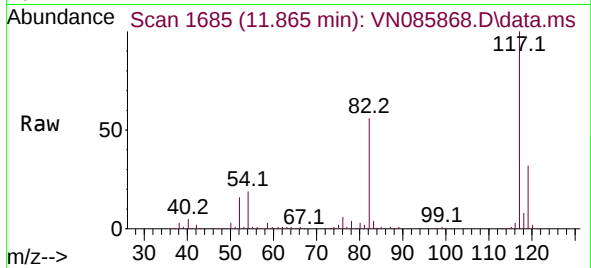




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

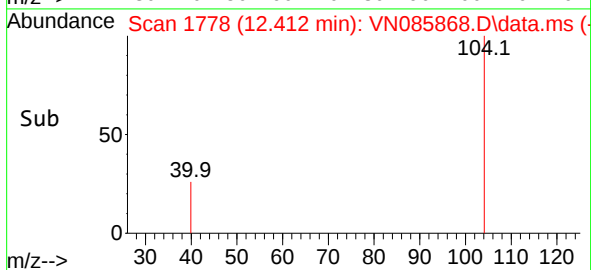
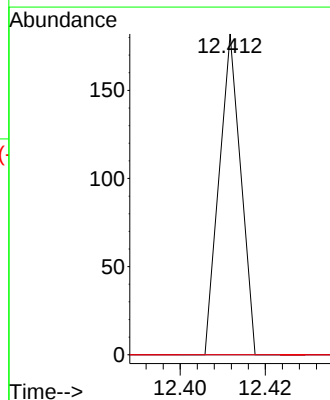
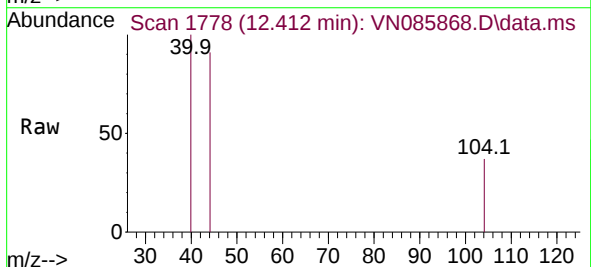
Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

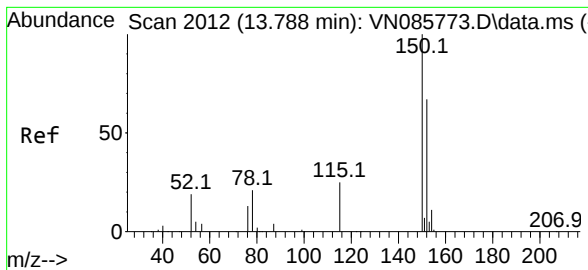
Tgt Ion:117 Resp: 476782
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 32.3 26.2 39.2



#70
Styrene
Concen: 0.590 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion:104 Resp: 64
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

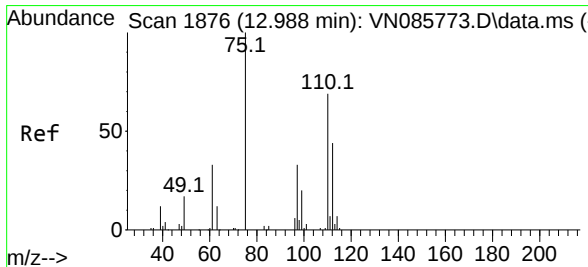
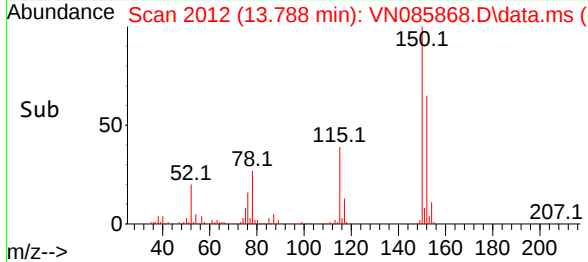
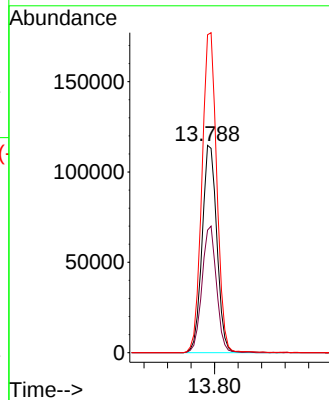
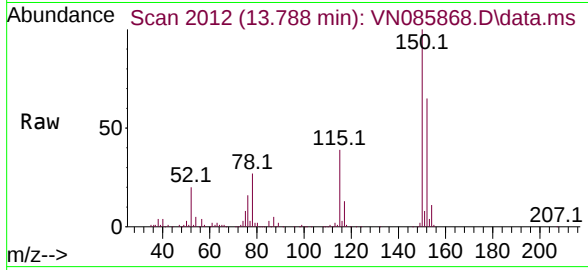




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085868.D
 Acq: 26 Feb 2025 13:55

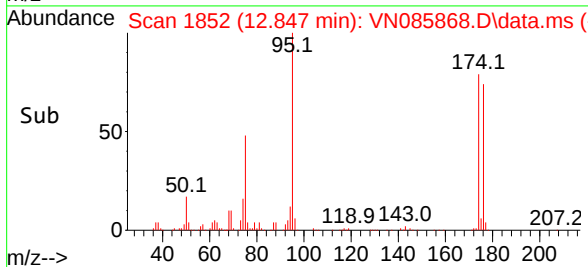
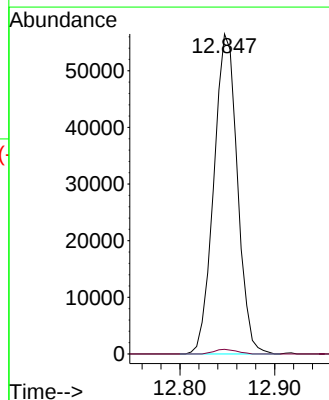
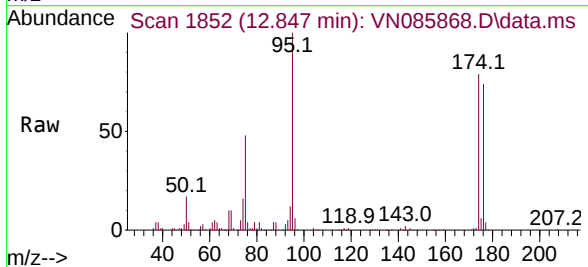
Instrument :
 MSVOA_N
 ClientSampleId :
 PB166862TB

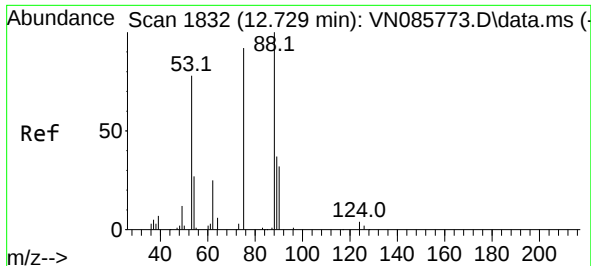
Tgt Ion:152 Resp: 199407
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.4 91.3
 150 155.5 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 22.061 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085868.D
 Acq: 26 Feb 2025 13:55

Tgt Ion: 75 Resp: 97720
 Ion Ratio Lower Upper
 75 100
 77 1.4 100.0 300.0#

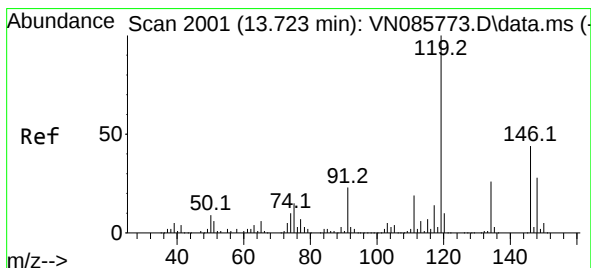
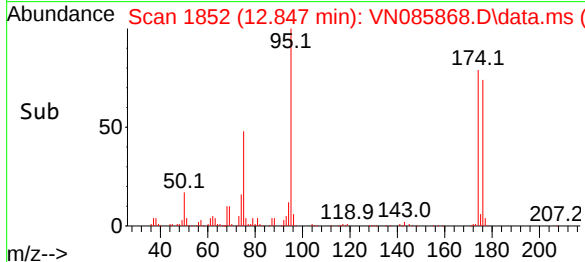
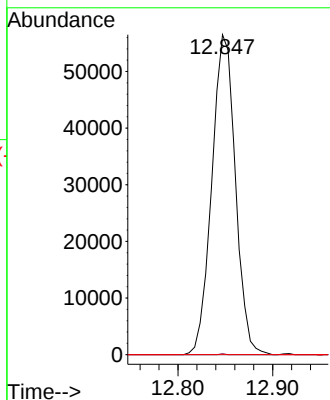
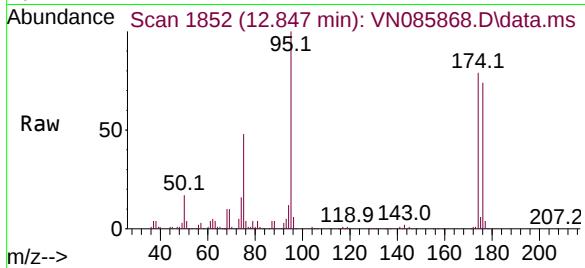




#81
trans-1,4-Dichloro-2-butene
Concen: 64.369 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

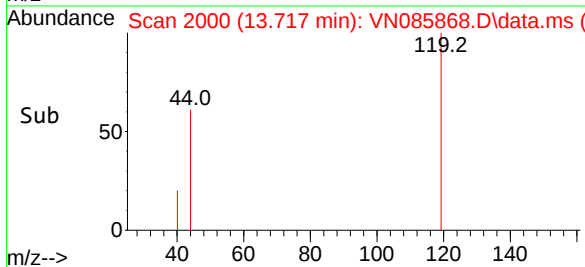
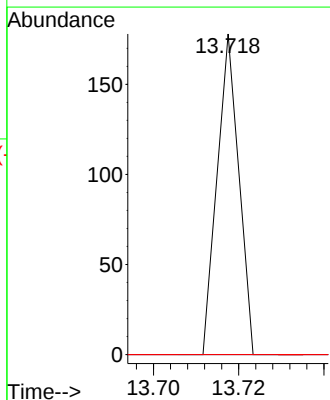
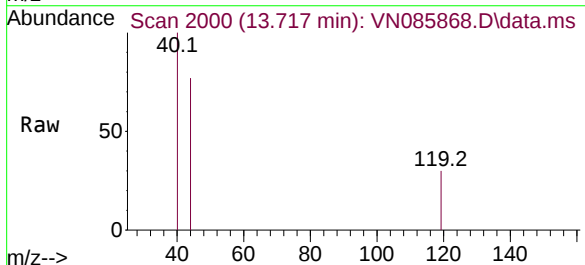
Instrument :
MSVOA_N
ClientSampleId :
PB166862TB

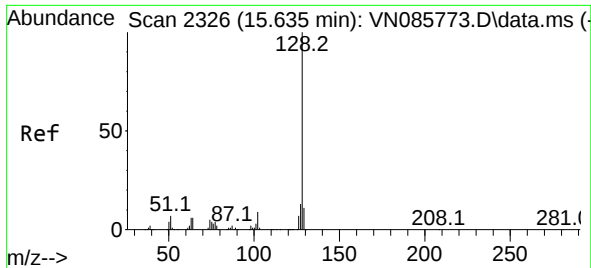
Tgt Ion: 75 Resp: 97720
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.631 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. -0.006 min
Lab File: VN085868.D
Acq: 26 Feb 2025 13:55

Tgt Ion: 119 Resp: 63
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#





#95

Naphthalene

Concen: 0.233 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN085868.D

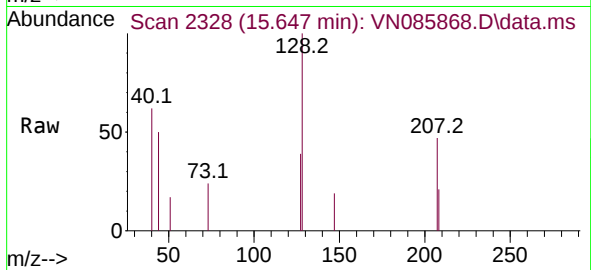
Acq: 26 Feb 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB166862TB



Tgt Ion:128 Resp: 2030

Ion Ratio Lower Upper

128 100

127 9.5 10.2 15.2#

129 0.0 8.7 13.1#

