

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086158.D
 Acq On : 28 Mar 2025 18:18
 Operator : JC\MD
 Sample : Q1664-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-006-01

Quant Time: Mar 28 23:39:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

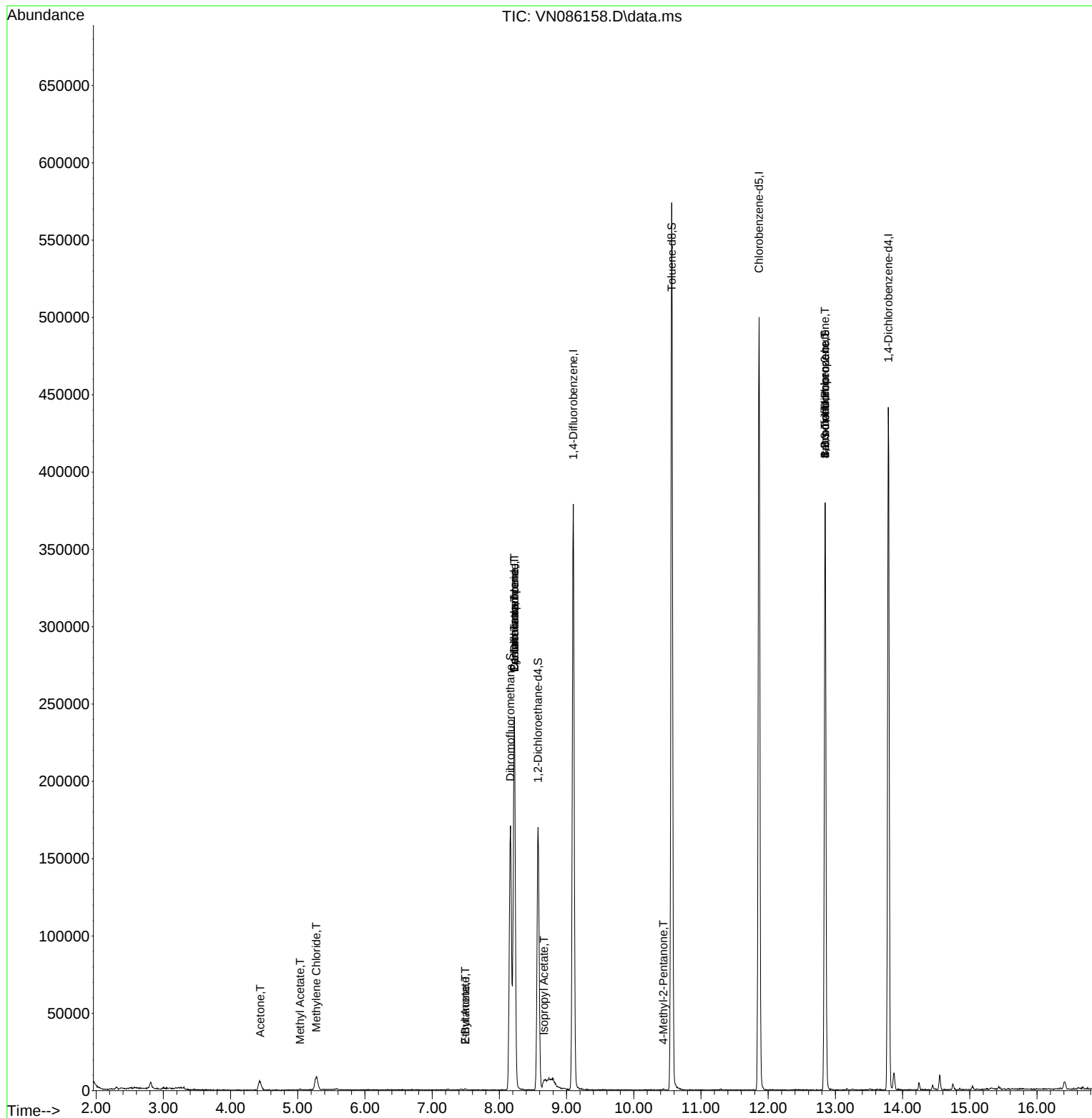
Internal Standards						
1) Pentafluorobenzene	8.224	168	171958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138990	59.027	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.060%			
35) Dibromofluoromethane	8.165	113	121631	52.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.760%			
50) Toluene-d8	10.565	98	401580	48.104	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.200%			
62) 4-Bromofluorobenzene	12.847	95	134138	45.055	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.100%			
Target Compounds					Qvalue	
16) Acetone	4.442	43	11163	15.518	ug/l	93
18) Methyl Acetate	5.036	43	810	0.455	ug/l #	59
20) Methylene Chloride	5.277	84	7291	3.464	ug/l	98
25) 2-Butanone	7.494	43	1334	1.285	ug/l #	40
31) Cyclohexane	8.224	56	3543	1.208	ug/l #	6
36) 1,1-Dichloropropene	8.224	75	13820	4.563	ug/l #	49
37) Ethyl Acetate	7.494	43	1334	0.522	ug/l #	64
38) Carbon Tetrachloride	8.224	117	18407	4.622	ug/l #	18
43) Isopropyl Acetate	8.665	43	4235	0.765	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	876	0.359	ug/l #	53
71) Bromoform	12.847	173	1104	0.519	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67037	23.664	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67037	62.564	ug/l #	16

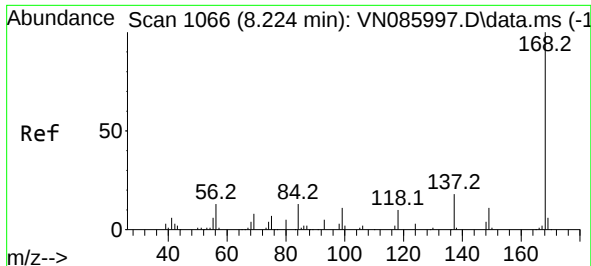
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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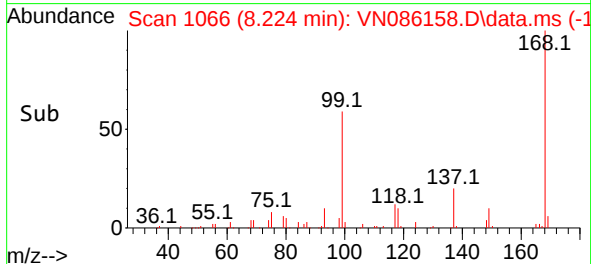
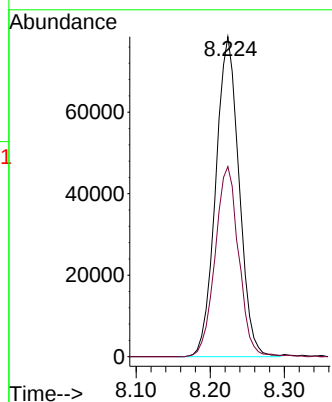
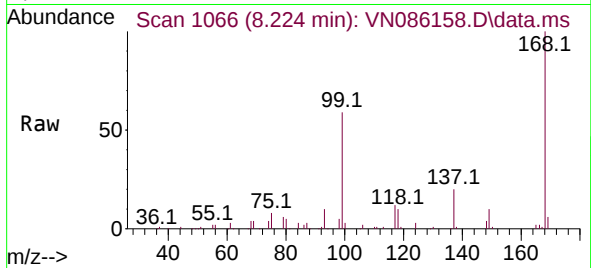




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

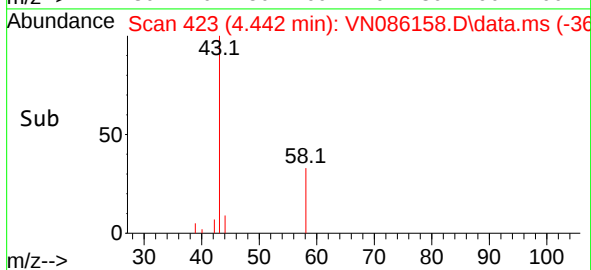
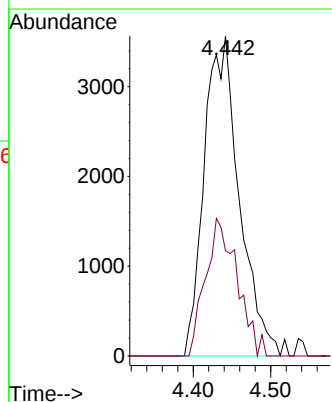
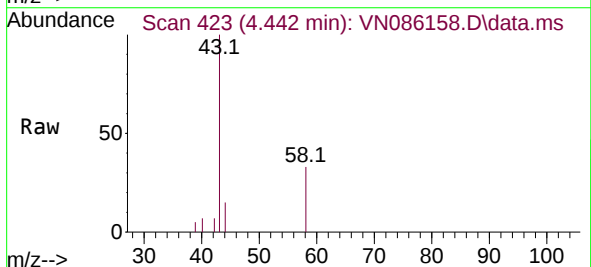
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-006-01

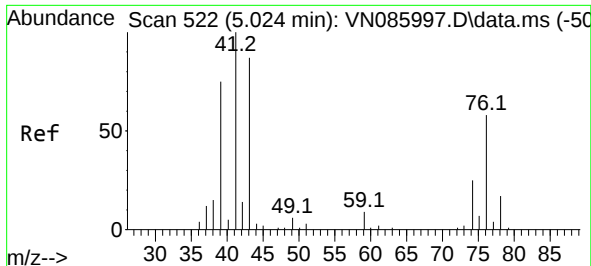
Tgt Ion:168 Resp: 171958
Ion Ratio Lower Upper
168 100
99 59.4 49.4 74.2



#16
Acetone
Concen: 15.518 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

Tgt Ion: 43 Resp: 11163
Ion Ratio Lower Upper
43 100
58 32.9 29.4 44.2

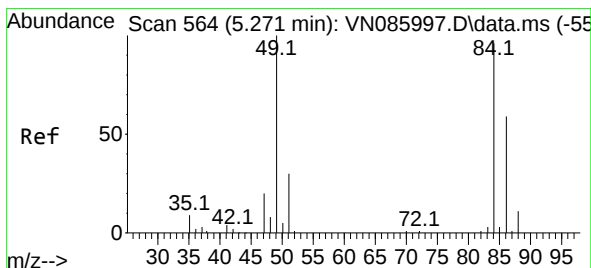
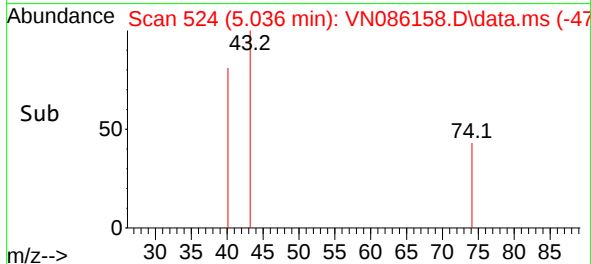
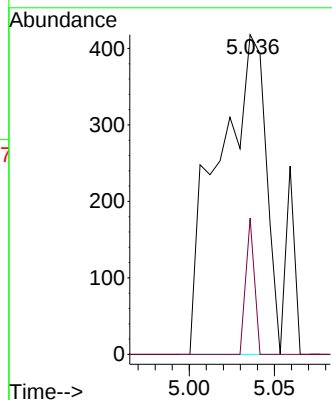
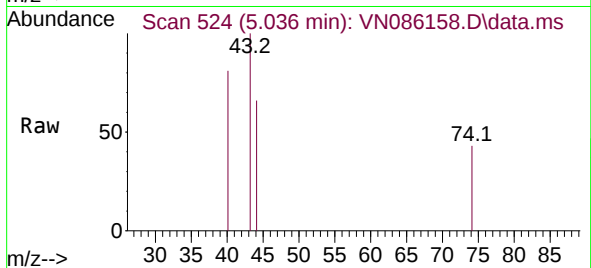




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

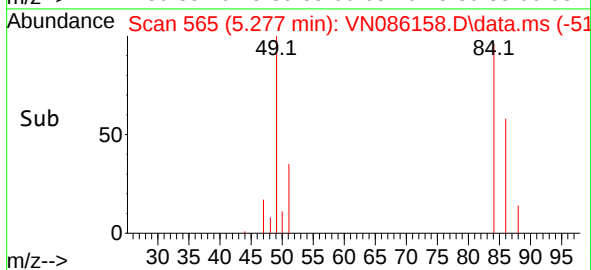
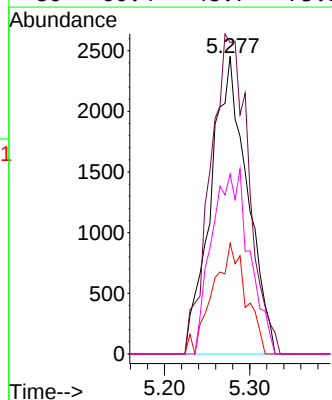
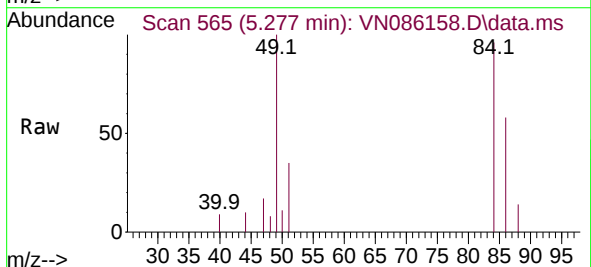
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-006-01

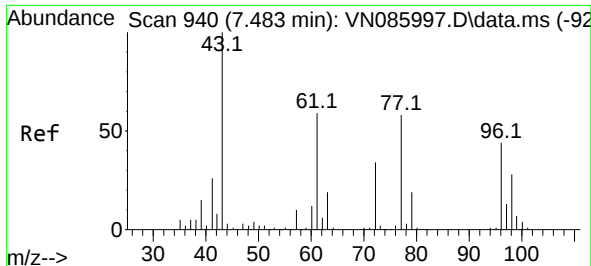
Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
74 7.8 23.9 35.9#



#20
Methylene Chloride
Concen: 3.464 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

Tgt Ion: 84 Resp: 7291
Ion Ratio Lower Upper
84 100
49 104.6 83.3 124.9
51 37.1 24.8 37.2
86 60.4 48.7 73.1

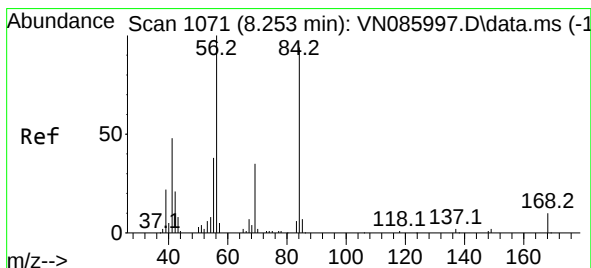
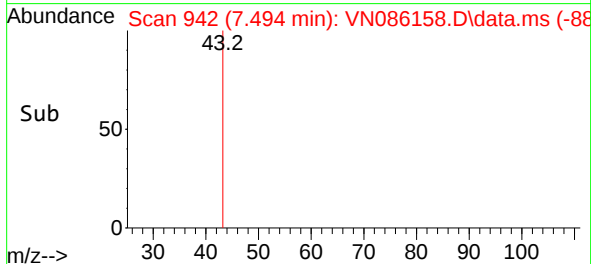
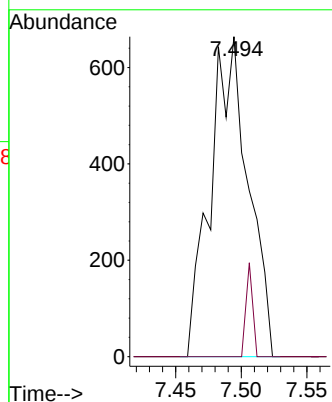
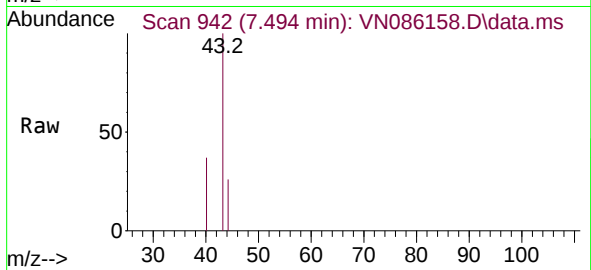




#25
2-Butanone
Concen: 1.285 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

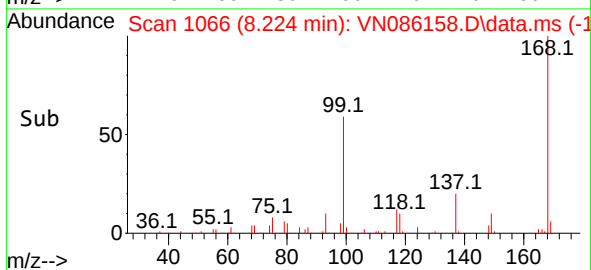
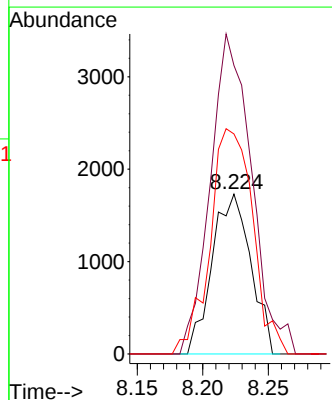
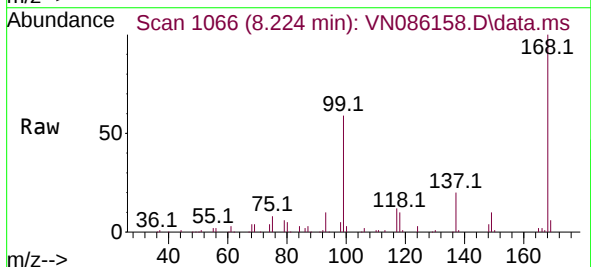
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-006-01

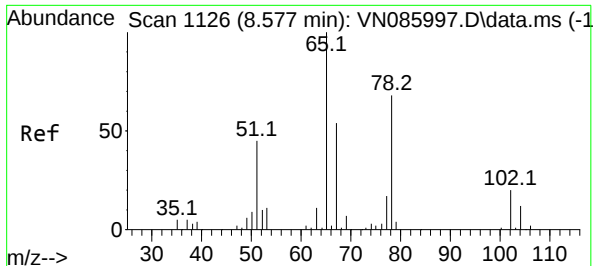
Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

Tgt Ion: 56 Resp: 3543
Ion Ratio Lower Upper
56 100
69 180.4 28.0 42.0#
84 128.6 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 59.027 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086158.D

Acq: 28 Mar 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

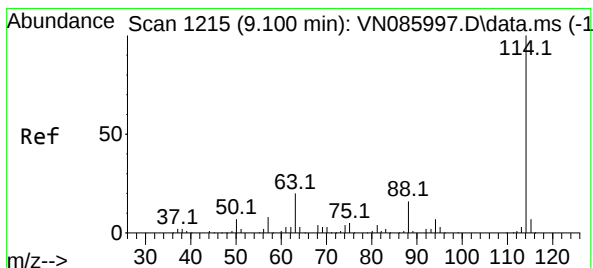
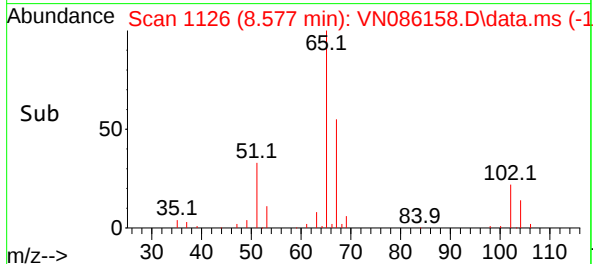
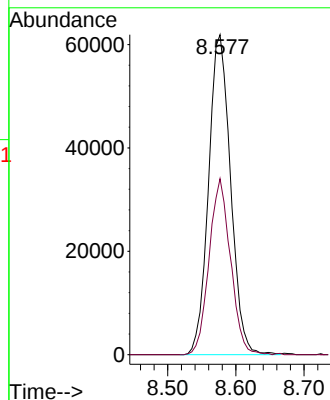
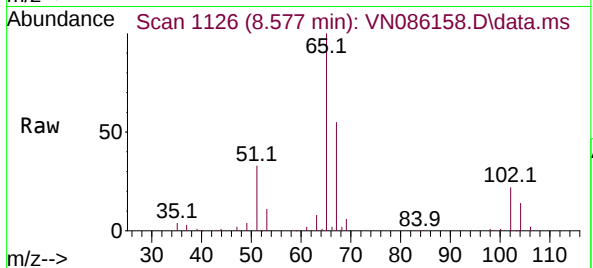
P001-BBDGA-006-01

Tgt Ion: 65 Resp: 138990

Ion Ratio Lower Upper

65 100

67 53.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086158.D

Acq: 28 Mar 2025 18:18

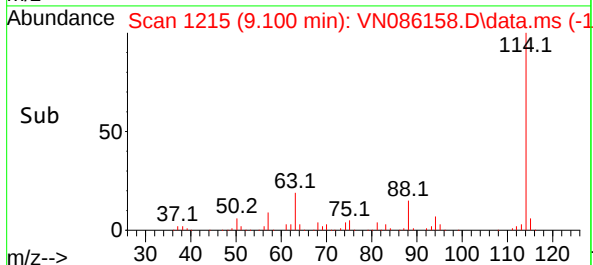
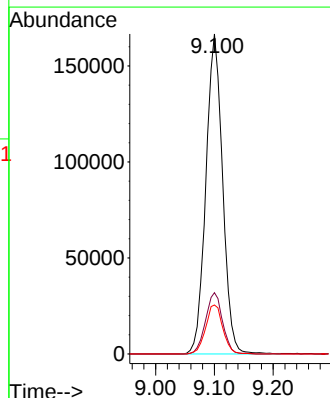
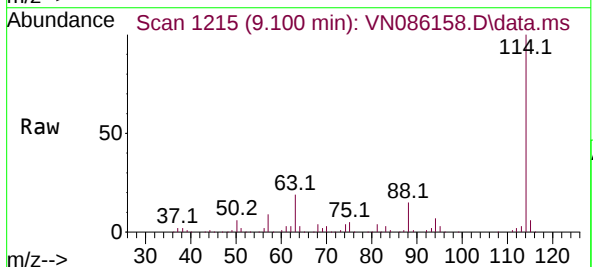
Tgt Ion: 114 Resp: 329552

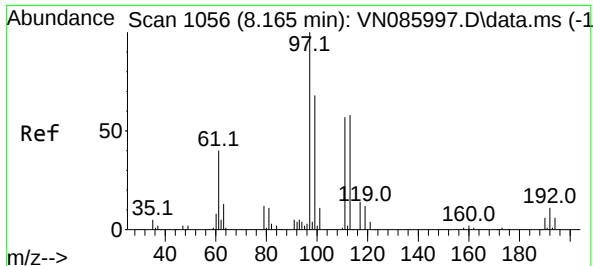
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.3 0.0 32.6

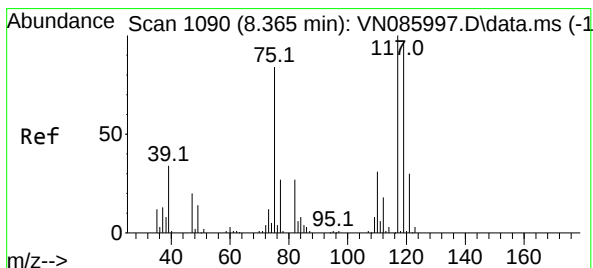
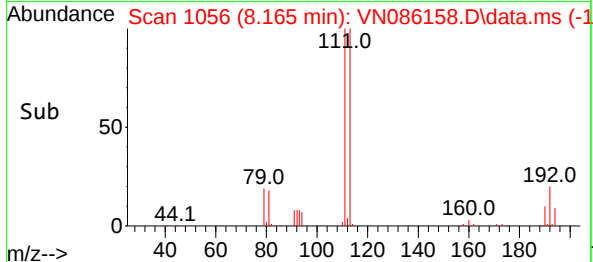
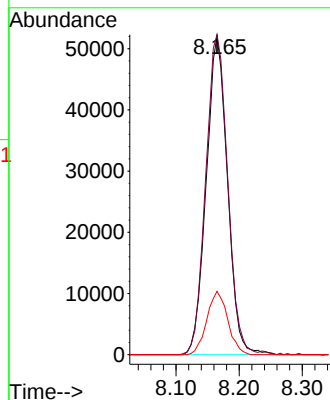
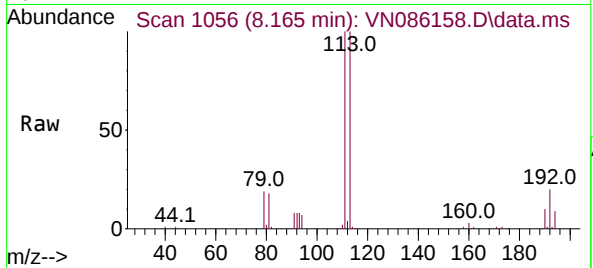




#35
Dibromofluoromethane
Concen: 52.878 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

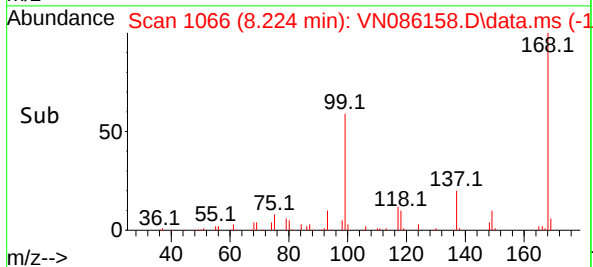
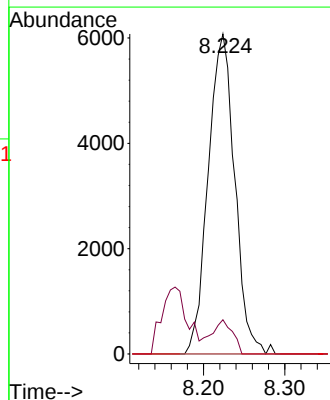
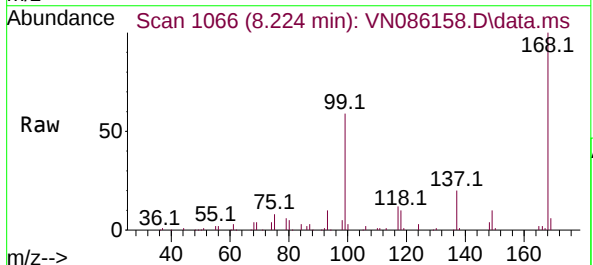
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ClientSampleId :
P001-BBDGA-006-01

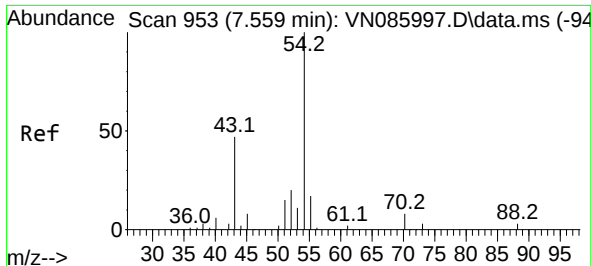
Tgt Ion:	113	Resp:	121631
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	19.6	15.9	23.9



#36
1,1-Dichloropropene
Concen: 4.563 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

Tgt Ion:	75	Resp:	13820
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.8	53.3#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 0.522 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.065 min

Lab File: VN086158.D

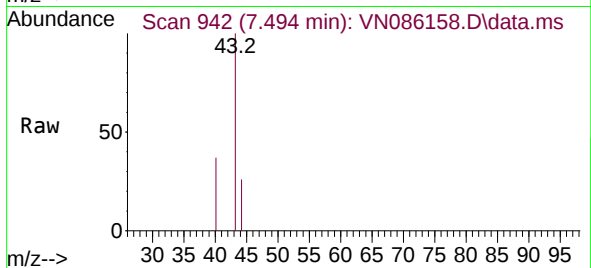
Acq: 28 Mar 2025 18:18

Instrument :

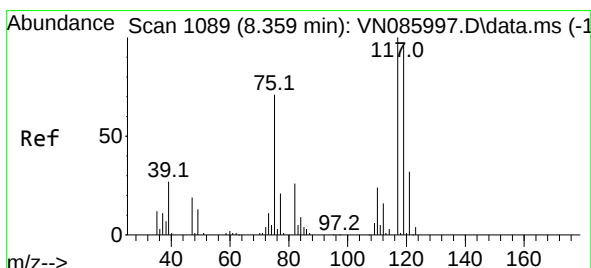
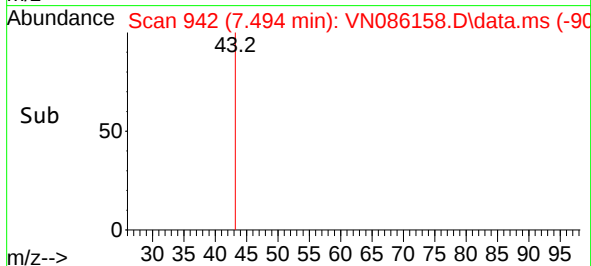
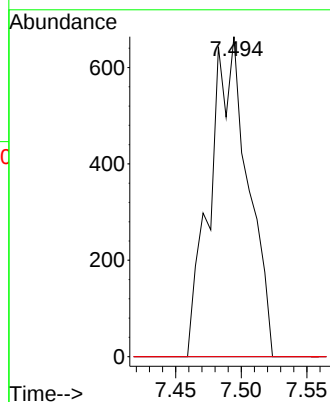
MSVOA_N

ClientSampleId :

P001-BBDGA-006-01



Tgt Ion:	43	Resp:	1334
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.4#
70	0.0	11.0	16.6#



#38

Carbon Tetrachloride

Concen: 4.622 ug/l

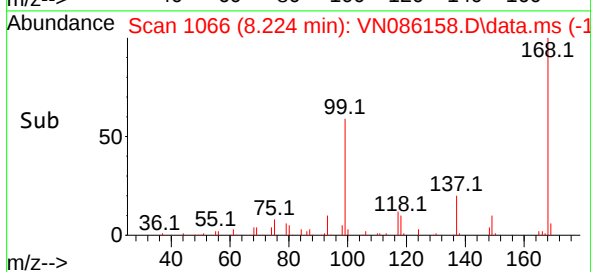
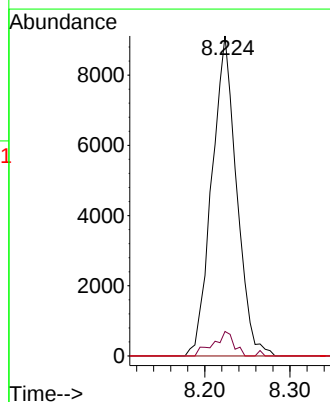
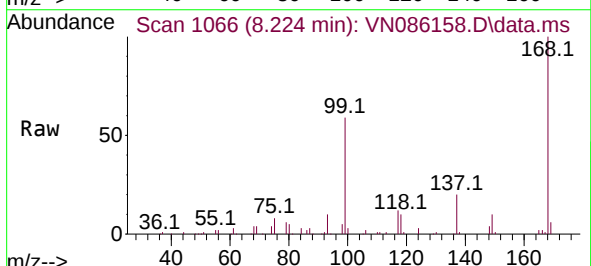
RT: 8.224 min Scan# 1066

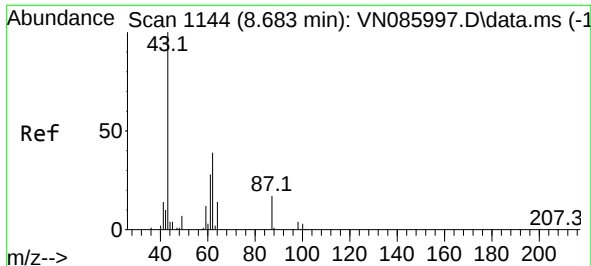
Delta R.T. -0.135 min

Lab File: VN086158.D

Acq: 28 Mar 2025 18:18

Tgt Ion:	117	Resp:	18407
Ion	Ratio	Lower	Upper
117	100		
119	7.6	77.0	115.4#
121	0.0	25.6	38.4#

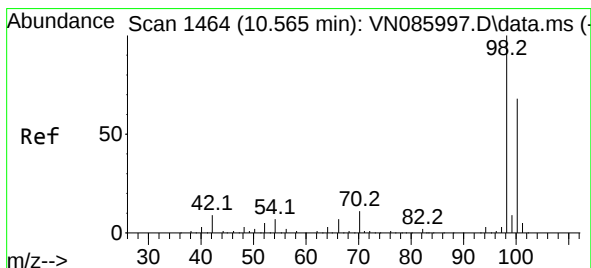
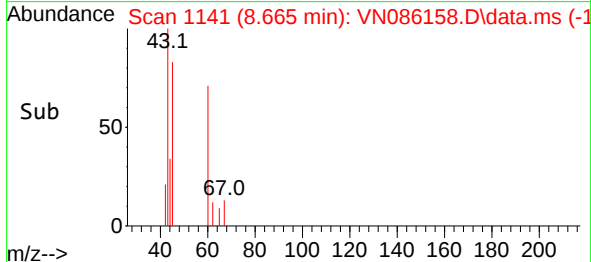
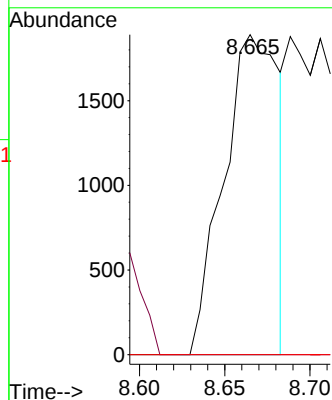
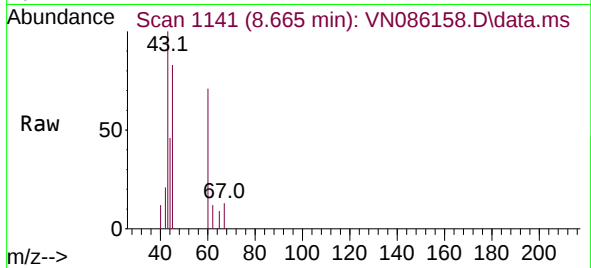




#43
Isopropyl Acetate
Concen: 0.765 ug/l
RT: 8.665 min Scan# 1144
Delta R.T. -0.018 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

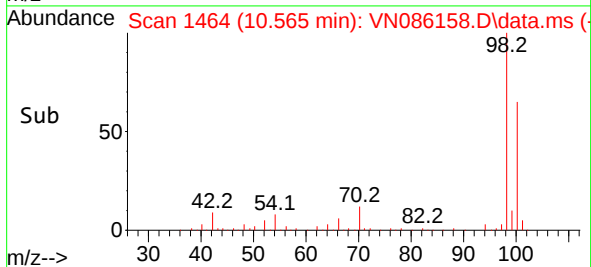
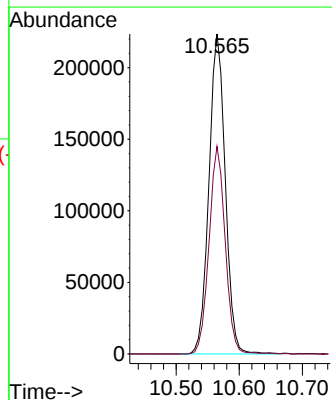
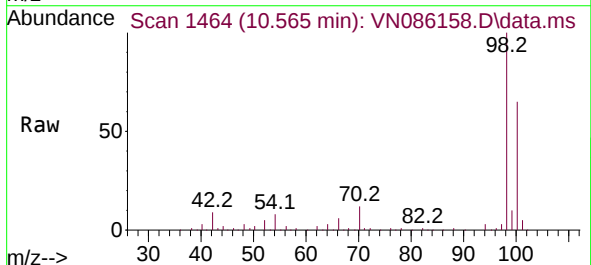
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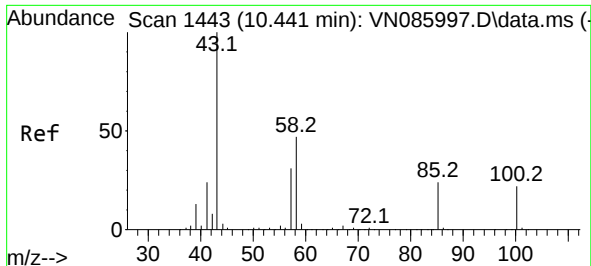
Tgt Ion: 43 Resp: 4235
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#



#50
Toluene-d8
Concen: 48.104 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

Tgt Ion: 98 Resp: 401580
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7

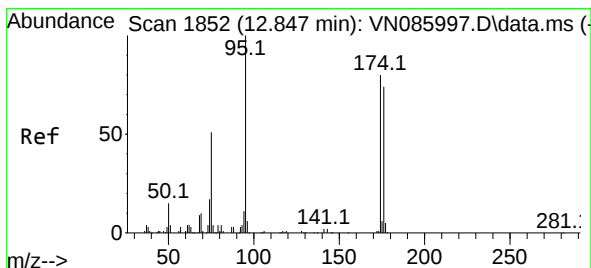
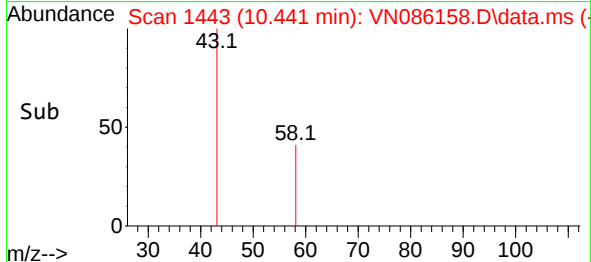
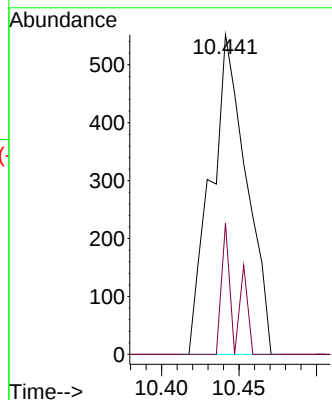
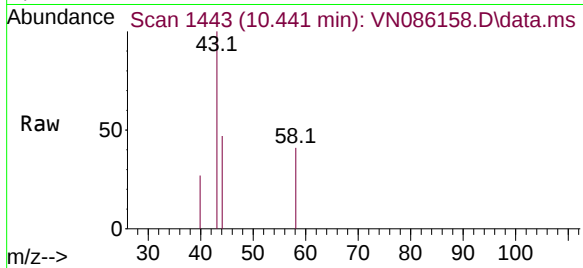




#51
4-Methyl-2-Pentanone
Concen: 0.359 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

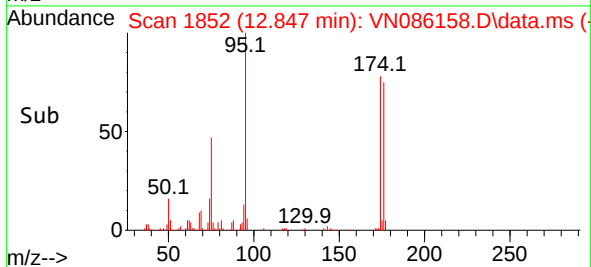
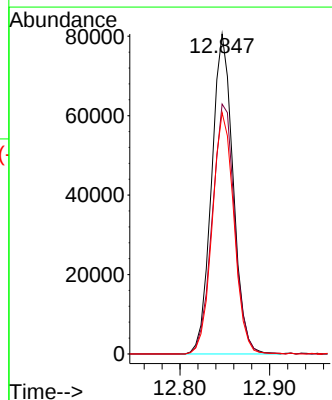
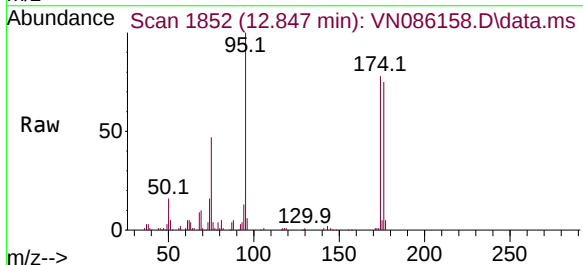
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-006-01

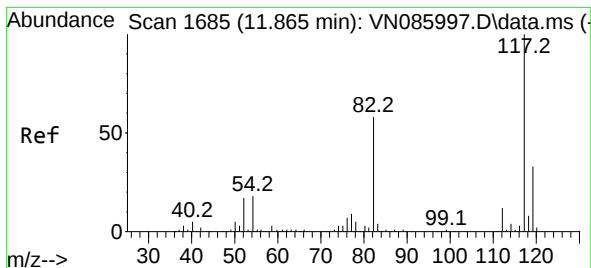
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 15.3 37.4 56.0#



#62
4-Bromofluorobenzene
Concen: 45.055 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

Tgt Ion: 95 Resp: 134138
Ion Ratio Lower Upper
95 100
174 81.2 0.0 156.8
176 76.1 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086158.D

Acq: 28 Mar 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-006-01

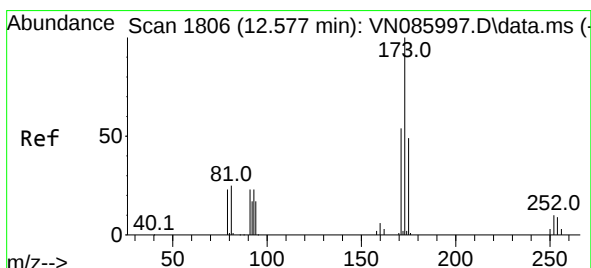
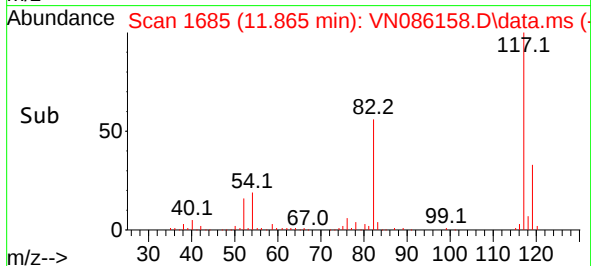
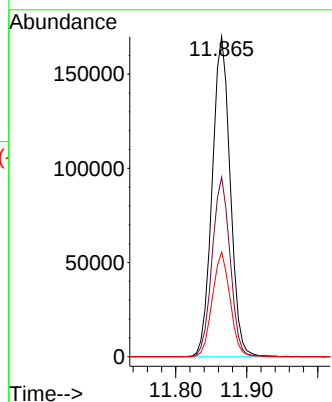
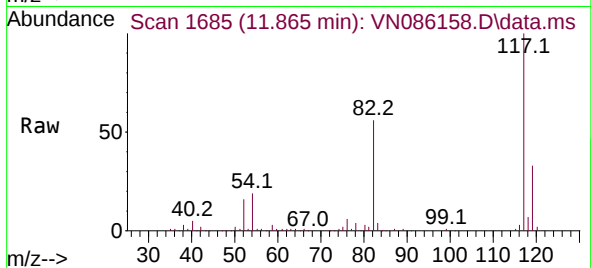
Tgt Ion:117 Resp: 299256

Ion Ratio Lower Upper

117 100

82 56.1 46.7 70.1

119 32.7 26.5 39.7



#71

Bromoform

Concen: 0.519 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.270 min

Lab File: VN086158.D

Acq: 28 Mar 2025 18:18

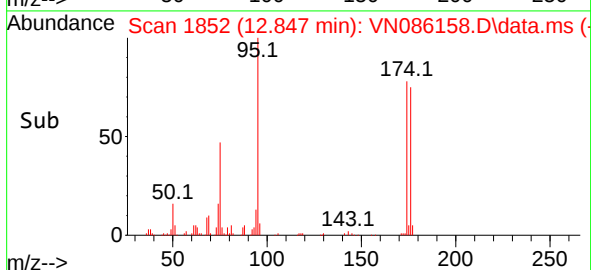
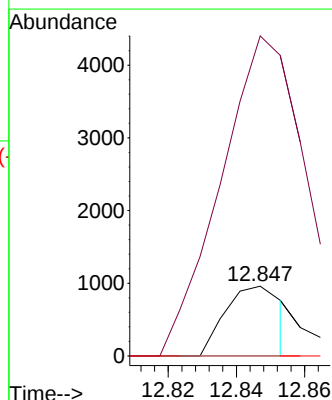
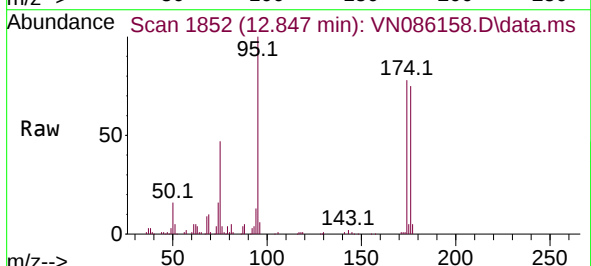
Tgt Ion:173 Resp: 1104

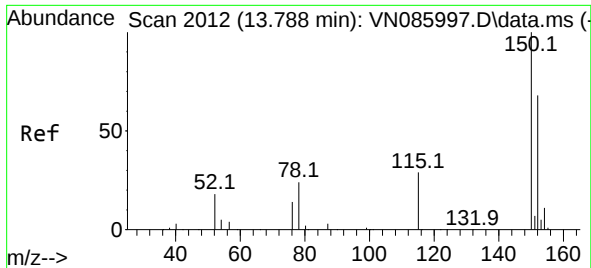
Ion Ratio Lower Upper

173 100

175 524.2 24.3 73.0#

254 0.0 0.0 0.0

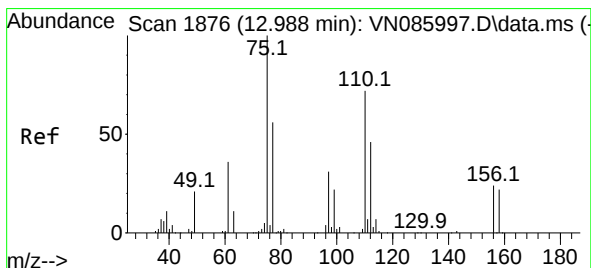
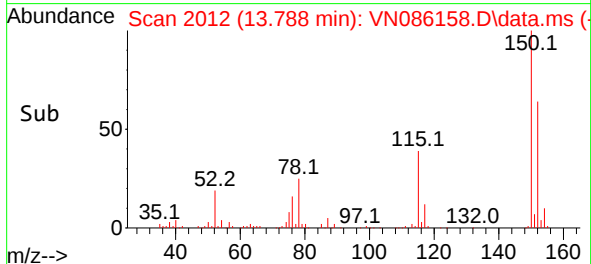
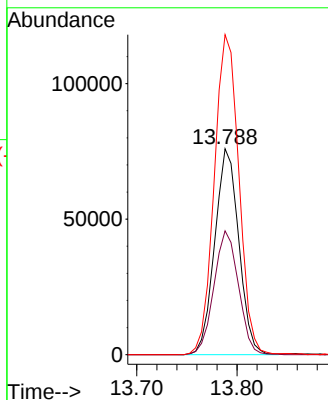
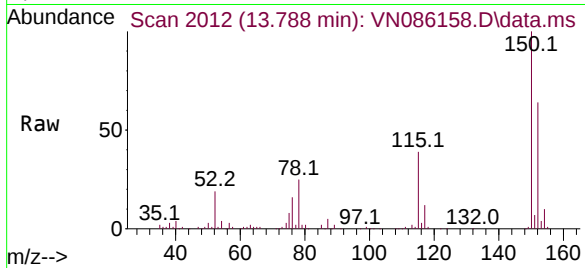




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

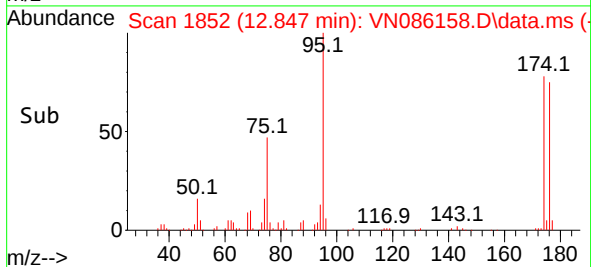
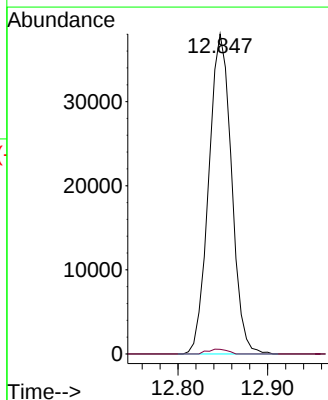
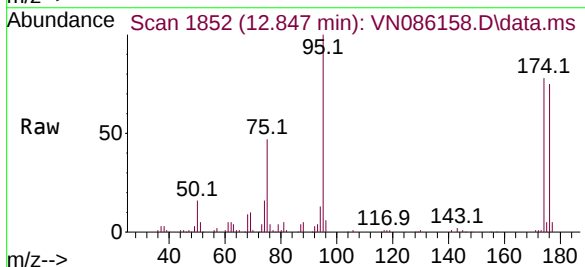
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-006-01

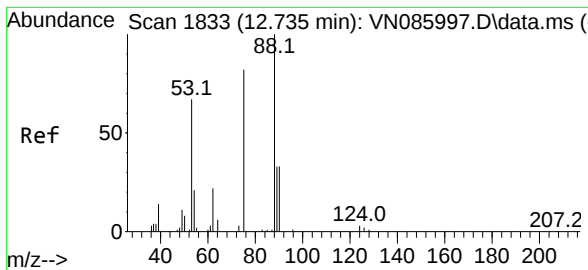
Tgt Ion:152 Resp: 126533
Ion Ratio Lower Upper
152 100
115 61.4 31.1 93.2
150 158.9 0.0 359.6



#76
1,2,3-Trichloropropane
Concen: 23.664 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086158.D
Acq: 28 Mar 2025 18:18

Tgt Ion: 75 Resp: 67037
Ion Ratio Lower Upper
75 100
77 1.3 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.564 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086158.D
 Acq: 28 Mar 2025 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-006-01

Tgt Ion: 75 Resp: 67037
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

