

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088300.D
 Acq On : 17 Nov 2025 13:39
 Operator : JC\MD
 Sample : PB170545TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170545TB

Quant Time: Nov 18 03:00:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

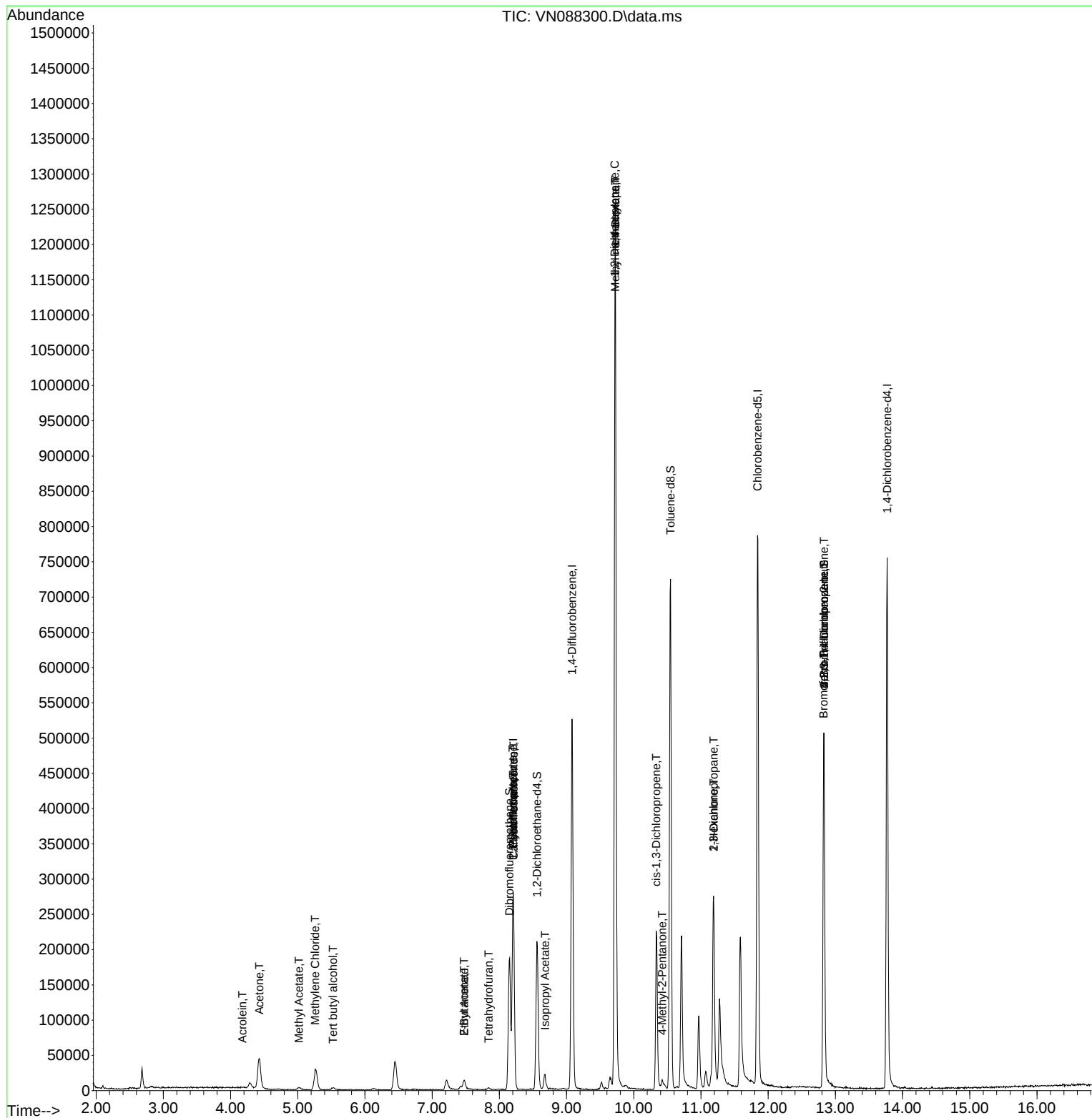
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	189375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	423748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	429317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	200810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	173198	52.890	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.780%
35) Dibromofluoromethane	8.147	113	136297	47.878	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.760%
50) Toluene-d8	10.547	98	494574	45.088	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.180%
62) 4-Bromofluorobenzene	12.829	95	180965	46.714	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.420%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	4973	8.815	ug/l #	76
13) Acrolein	4.177	56	351	0.553	ug/l #	64
16) Acetone	4.430	43	88553	53.826	ug/l	95
18) Methyl Acetate	5.018	43	6964	2.068	ug/l #	76
20) Methylene Chloride	5.259	84	22297	8.074	ug/l	94
25) 2-Butanone	7.477	43	23603	10.887	ug/l	93
29) Tetrahydrofuran	7.841	42	1803	1.276	ug/l #	64
31) Cyclohexane	8.206	56	5575	1.216	ug/l #	1
36) 1,1-Dichloropropene	8.200	75	19307	4.645	ug/l #	49
37) Ethyl Acetate	7.477	43	23603	4.400	ug/l #	72
38) Carbon Tetrachloride	8.212	117	22781	5.306	ug/l #	16
43) Isopropyl Acetate	8.682	43	24376	2.957	ug/l	93
45) 1,2-Dichloropropane	9.718	63	1621	0.507	ug/l #	43
48) Methyl methacrylate	9.724	41	121075	31.817	ug/l #	47
49) 1,4-Dioxane	9.729	88	213	4.500	ug/l #	1
51) 4-Methyl-2-Pentanone	10.423	43	7238	1.484	ug/l #	82
54) cis-1,3-Dichloropropene	10.335	75	39036	7.574	ug/l #	75
57) 1,3-Dichloropropane	11.188	76	3026	0.581	ug/l #	42
59) 2-Hexanone	11.188	43	63622	19.669	ug/l #	55
71) Bromoform	12.823	173	1156	0.485	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	103445	22.531	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	103445	62.852	ug/l #	1

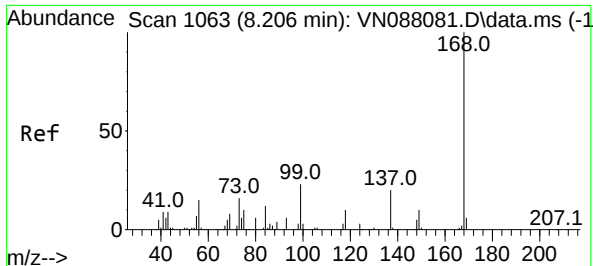
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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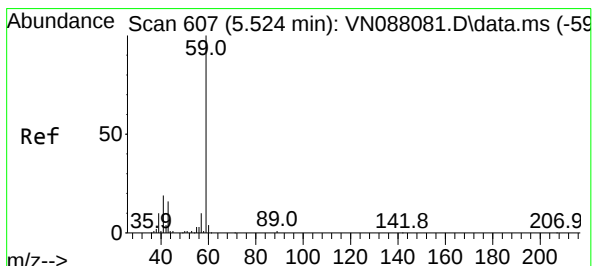
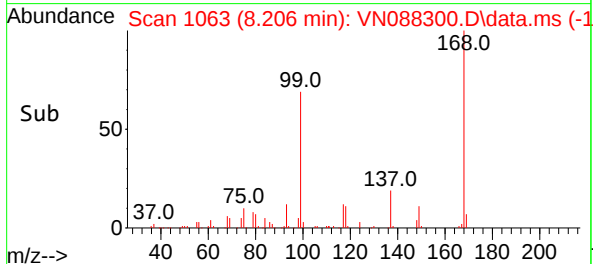
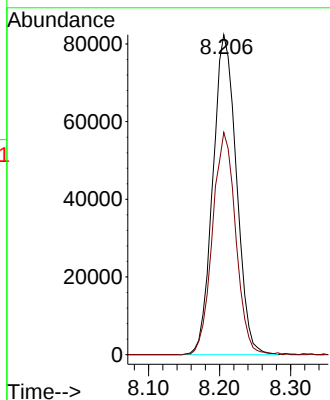
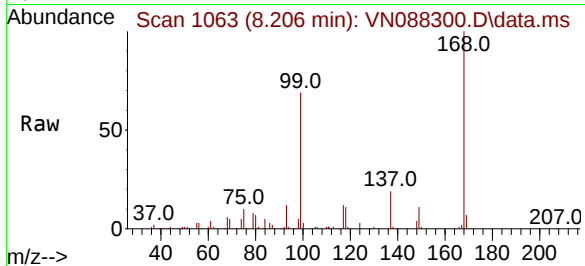




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

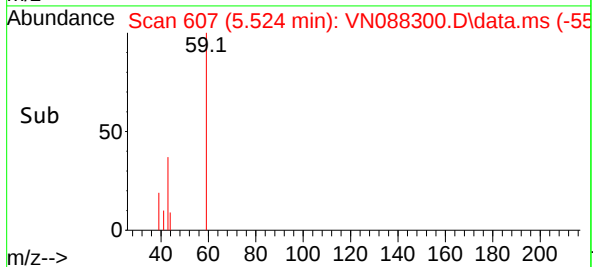
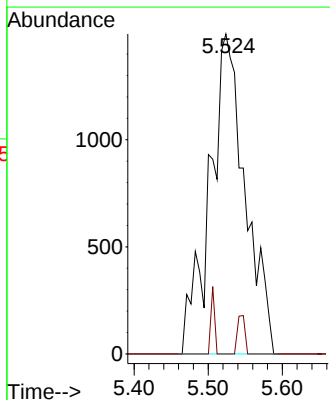
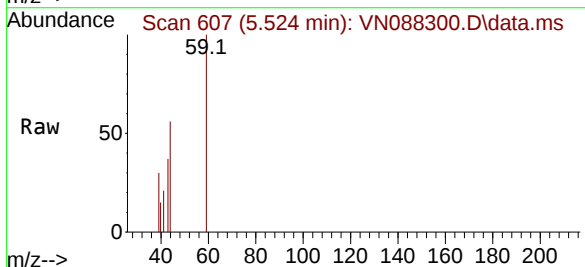
Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

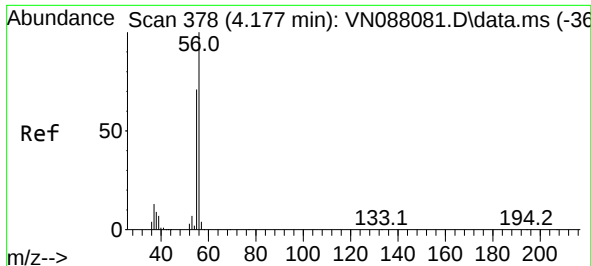
Tgt Ion:168 Resp: 189375
Ion Ratio Lower Upper
168 100
99 69.5 57.2 85.8



#11
Tert butyl alcohol
Concen: 8.815 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 59 Resp: 4973
Ion Ratio Lower Upper
59 100
57 2.2 9.0 13.4#

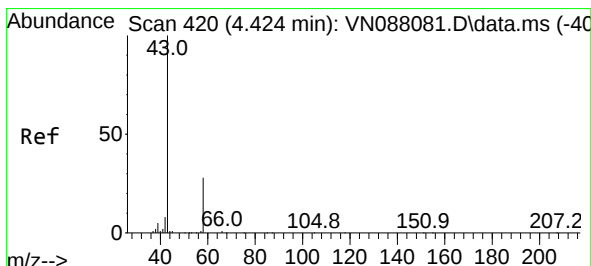
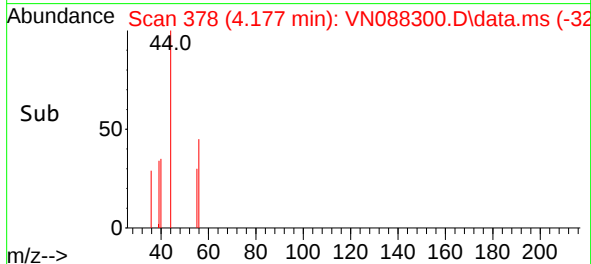
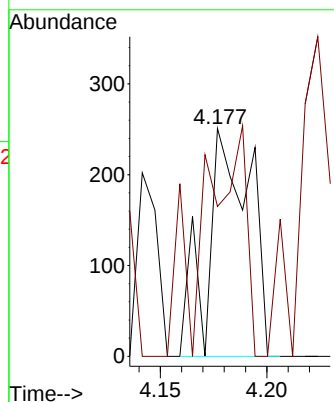
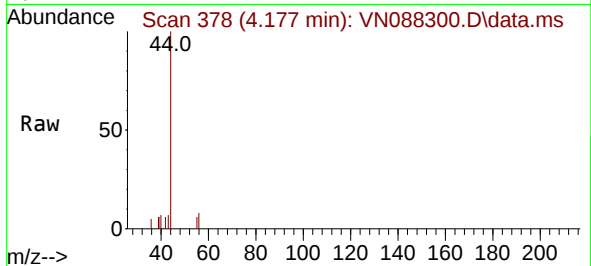




#13
Acrolein
Concen: 0.553 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

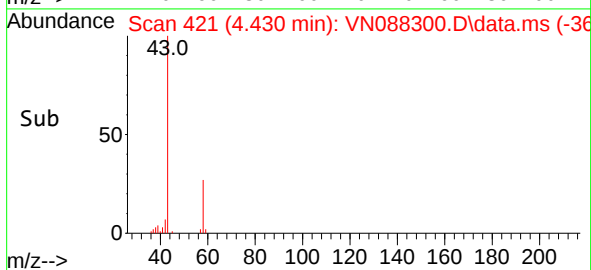
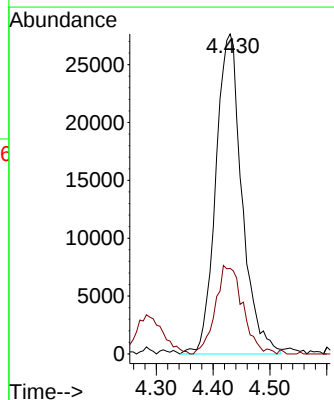
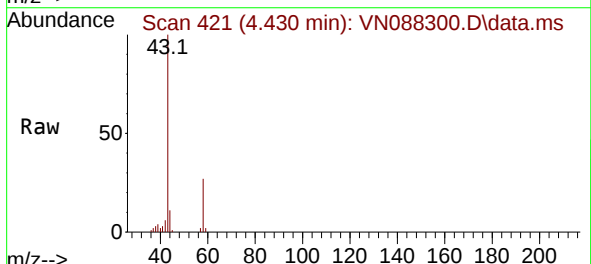
Instrument :
MSVOA_N
ClientSampleId :
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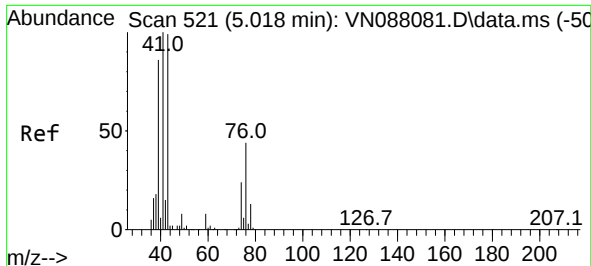
Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
55 101.7 57.3 85.9#



#16
Acetone
Concen: 53.826 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 43 Resp: 88553
Ion Ratio Lower Upper
43 100
58 25.4 22.6 33.8

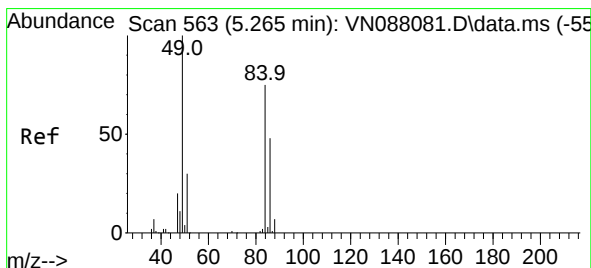
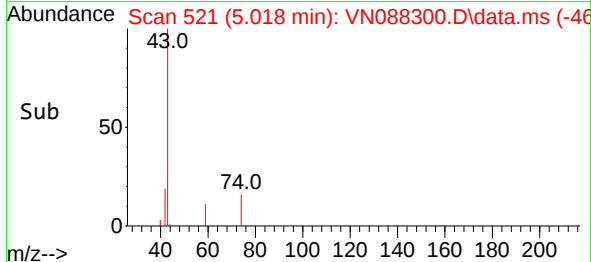
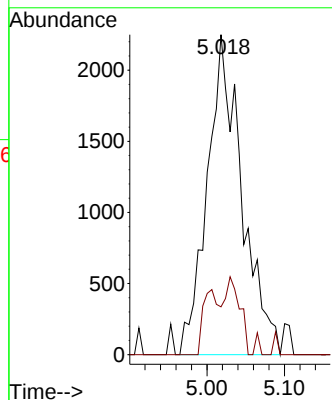
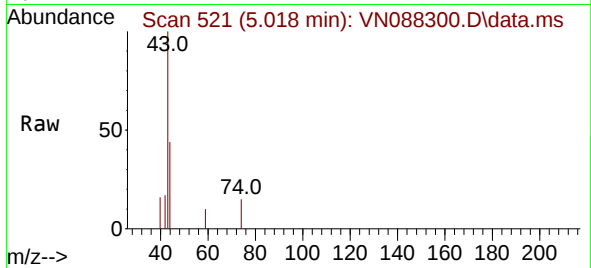




#18
Methyl Acetate
Concen: 2.068 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

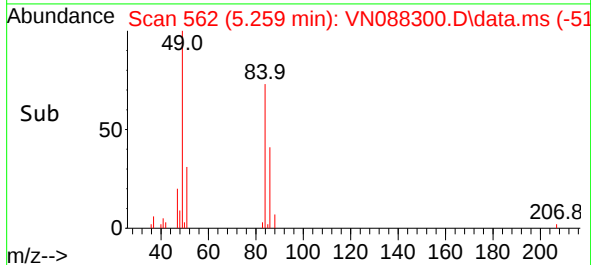
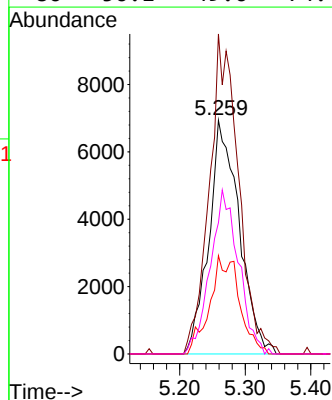
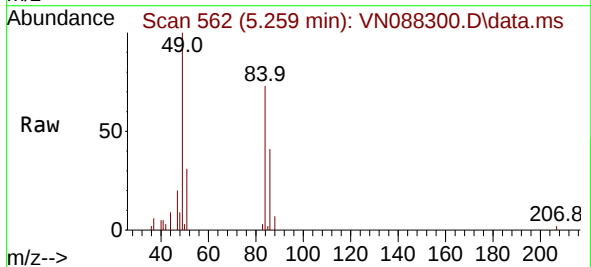
Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

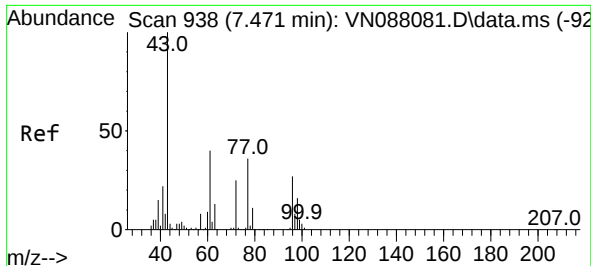
Tgt Ion: 43 Resp: 6964
Ion Ratio Lower Upper
43 100
74 10.4 17.6 26.4#



#20
Methylene Chloride
Concen: 8.074 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 84 Resp: 22297
Ion Ratio Lower Upper
84 100
49 136.9 103.4 155.2
51 42.0 33.8 50.8
86 56.1 49.6 74.4

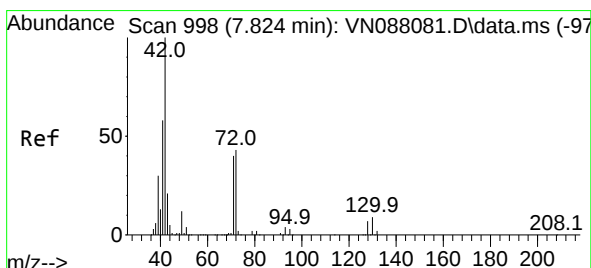
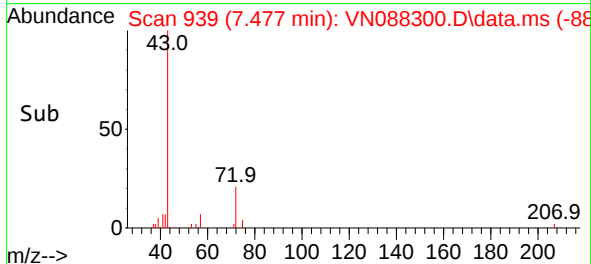
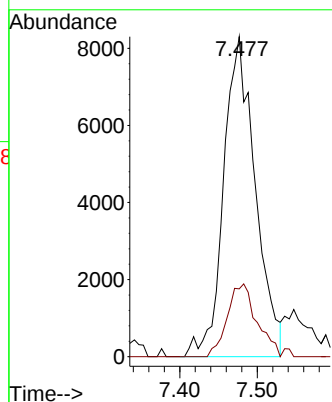
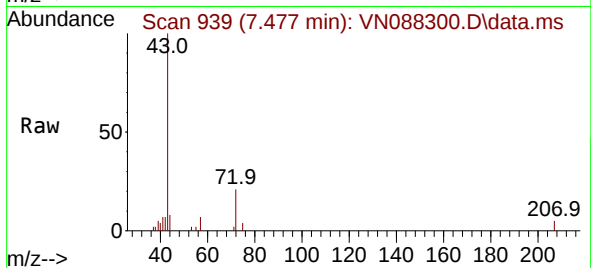




#25
2-Butanone
Concen: 10.887 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

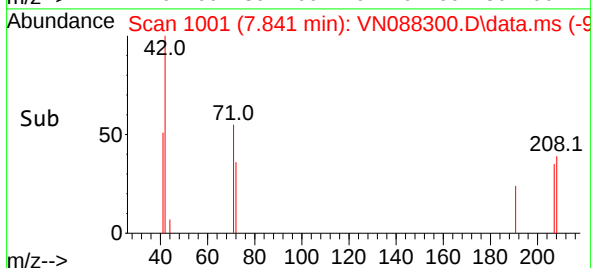
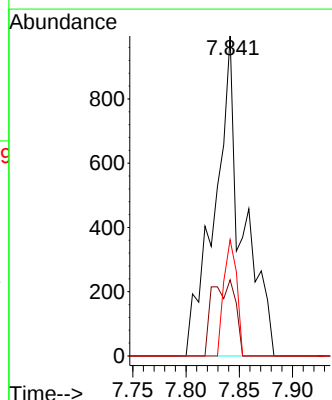
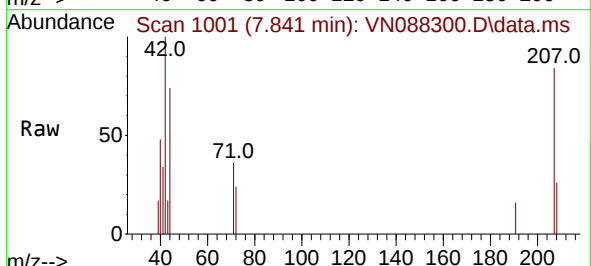
Instrument :
MSVOA_N
ClientSampleId :
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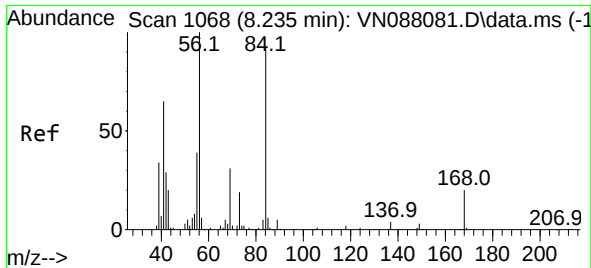
Tgt Ion: 43 Resp: 23603
Ion Ratio Lower Upper
43 100
72 21.2 19.9 29.9



#29
Tetrahydrofuran
Concen: 1.276 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.017 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 42 Resp: 1803
Ion Ratio Lower Upper
42 100
72 19.7 33.7 50.5#
71 16.7 31.9 47.9#

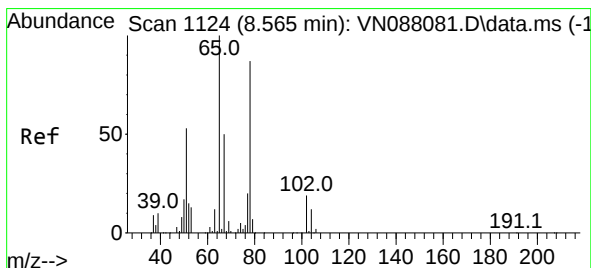
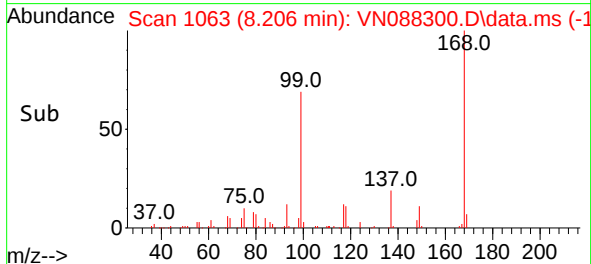
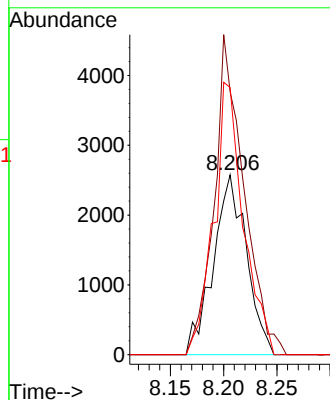
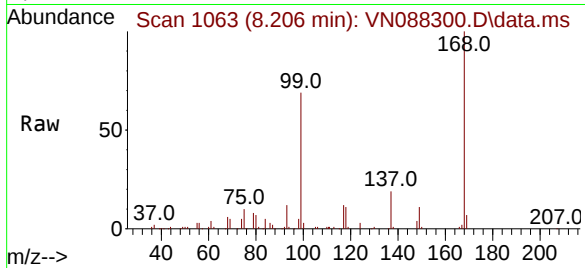




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

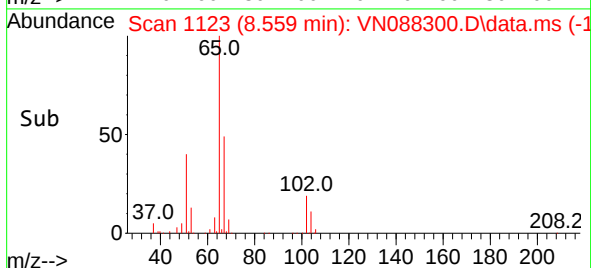
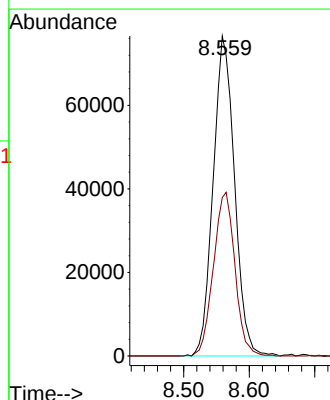
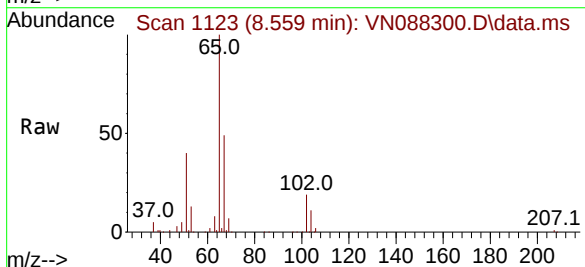
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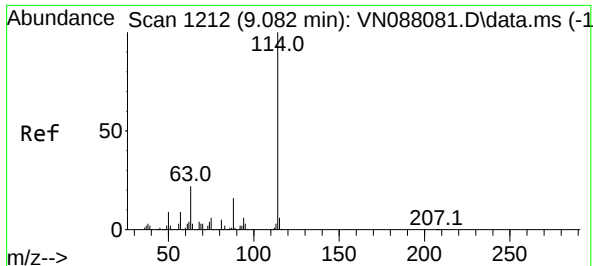
Tgt Ion: 56 Resp: 5575
Ion Ratio Lower Upper
56 100
69 146.1 23.7 35.5#
84 148.6 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 52.890 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 65 Resp: 173198
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

PB170545TB

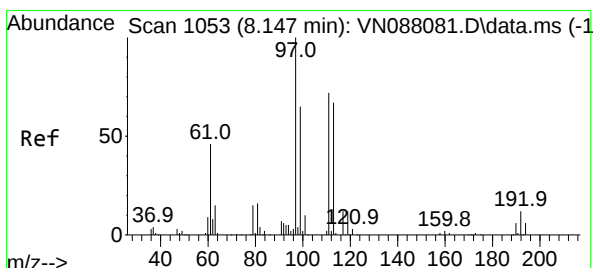
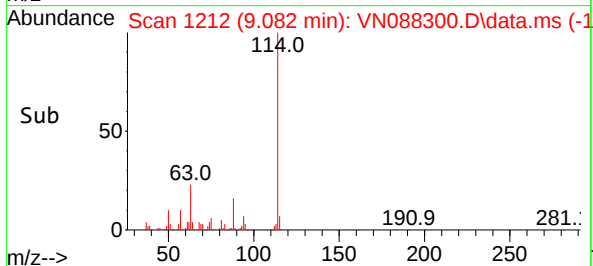
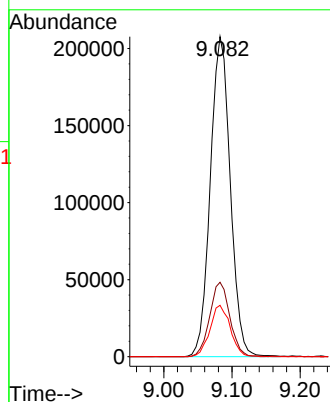
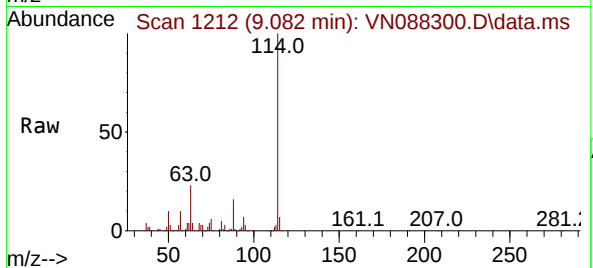
Tgt Ion:114 Resp: 423748

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

88 16.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.878 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

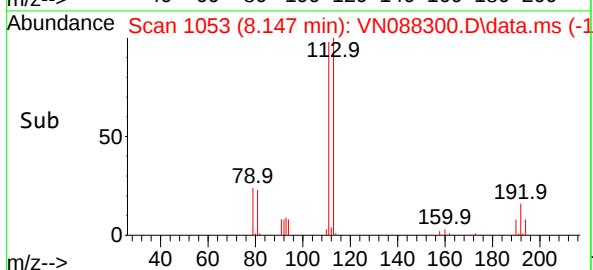
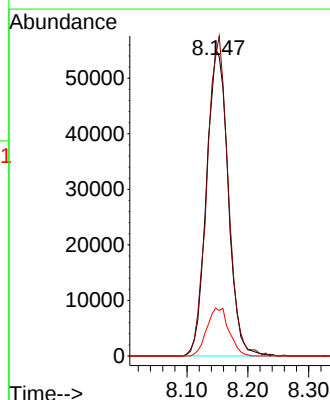
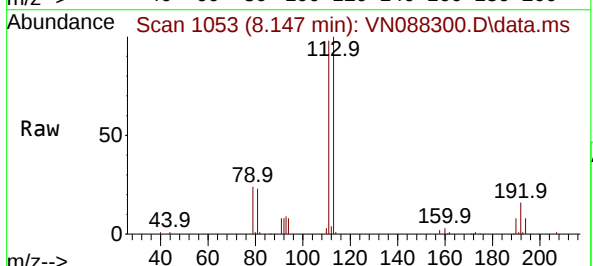
Tgt Ion:113 Resp: 136297

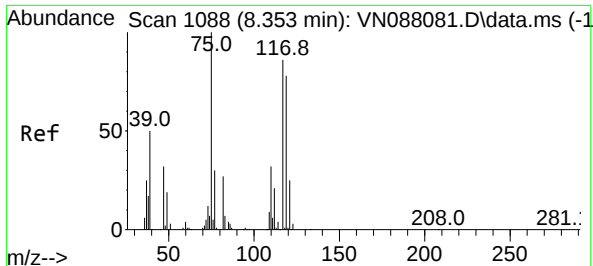
Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

192 15.9 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 8.200 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

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MSVOA_N

ClientSampleId :

PB170545TB

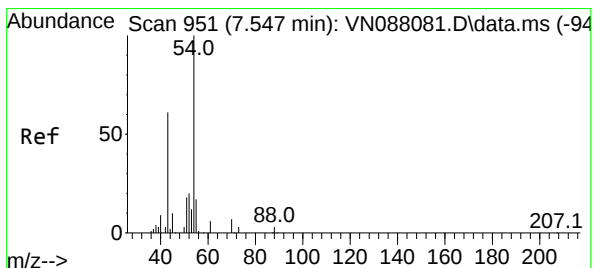
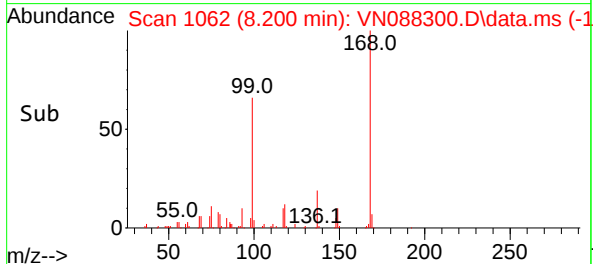
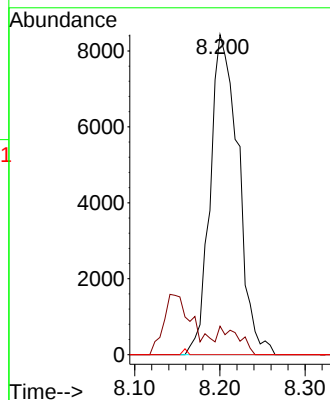
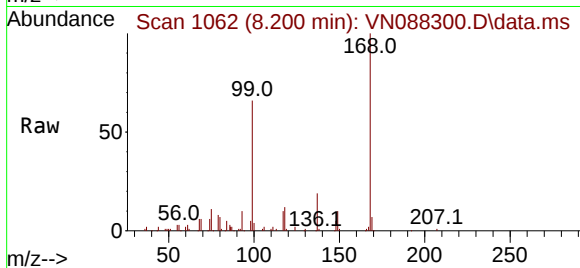
Tgt Ion: 75 Resp: 19307

Ion Ratio Lower Upper

75 100

110 6.4 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.400 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.071 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

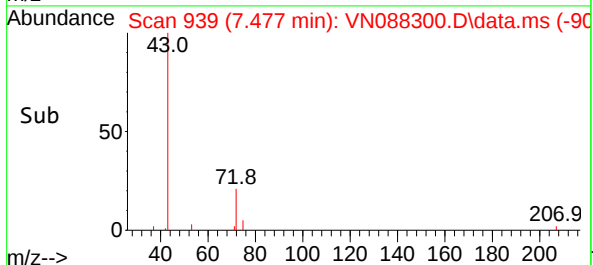
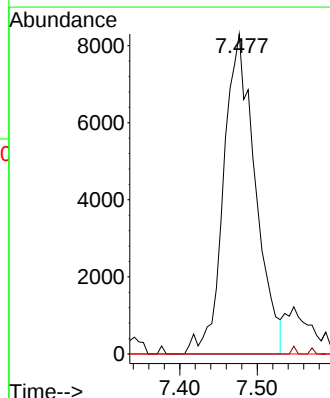
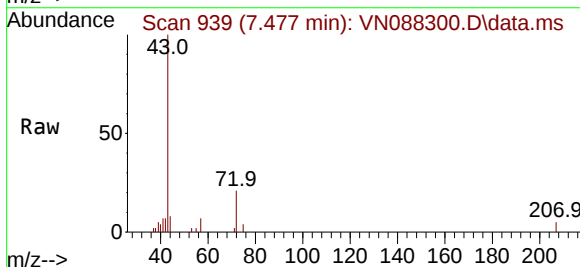
Tgt Ion: 43 Resp: 23603

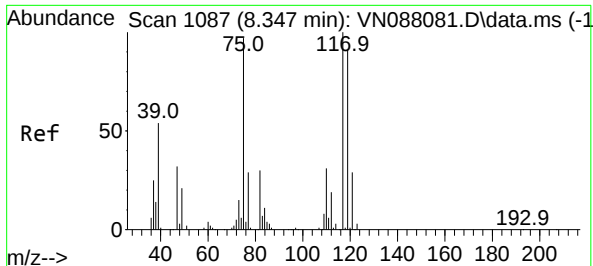
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

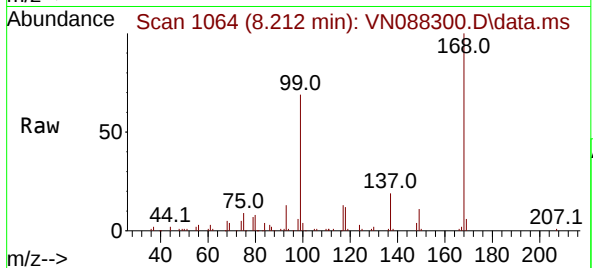
70 0.0 7.0 10.6#



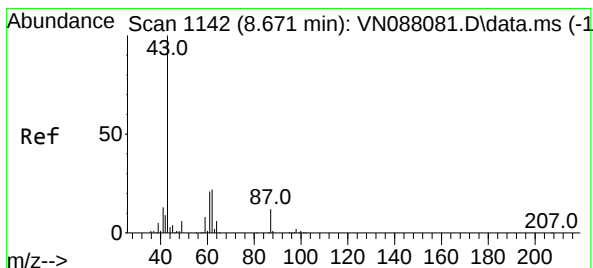
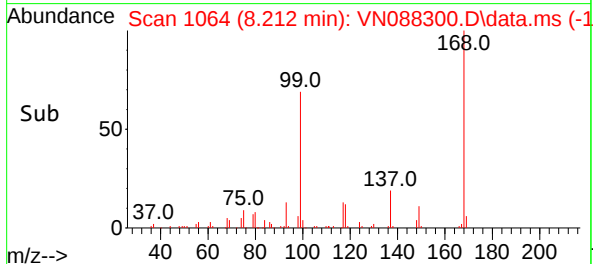
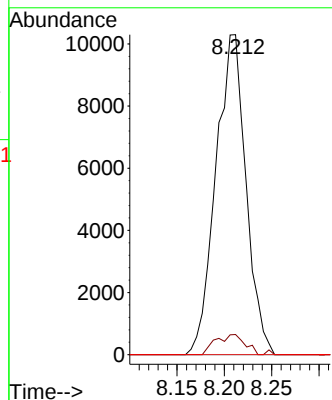


#38
Carbon Tetrachloride
Concen: 5.306 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

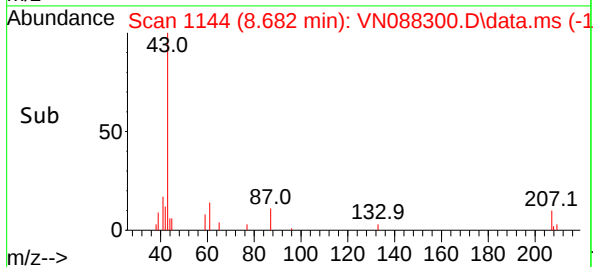
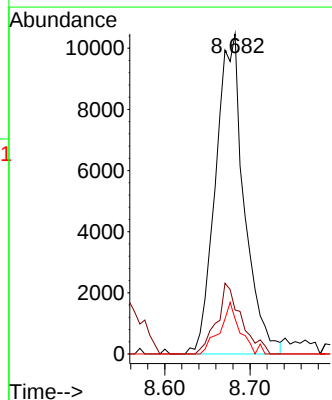
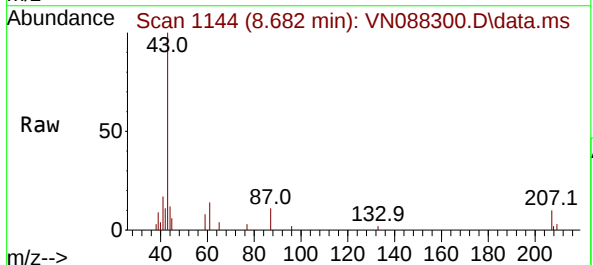


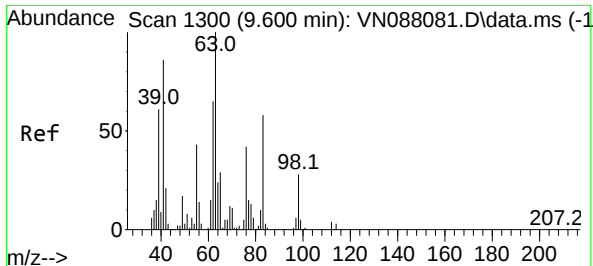
Tgt Ion: 117 Resp: 22781
Ion Ratio Lower Upper
117 100
119 6.3 79.0 118.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 2.957 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 43 Resp: 24376
Ion Ratio Lower Upper
43 100
61 18.9 18.8 28.2
87 11.4 9.6 14.4





#45

1,2-Dichloropropane

Concen: 0.507 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.117 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

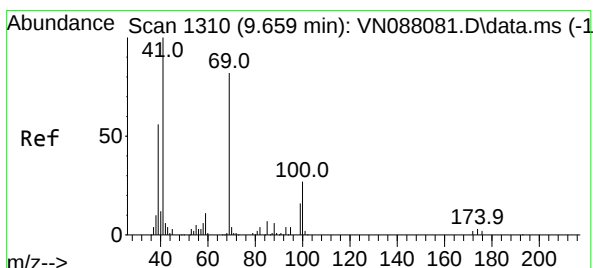
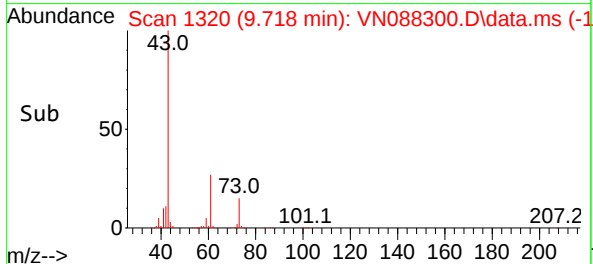
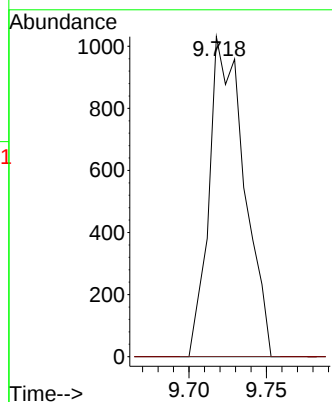
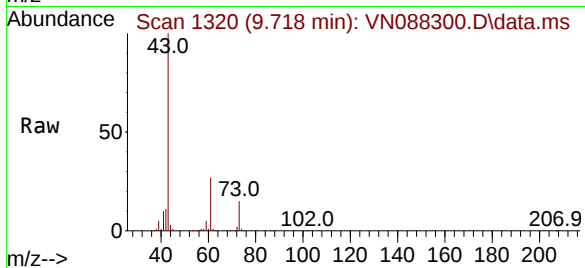
PB170545TB

Tgt Ion: 63 Resp: 1621

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 31.817 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.059 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

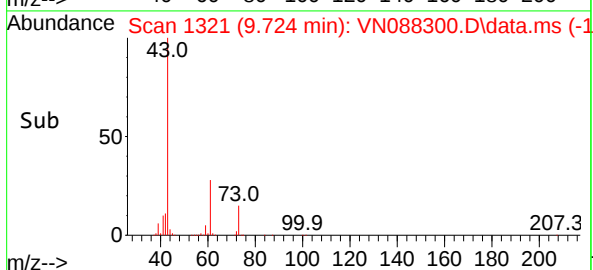
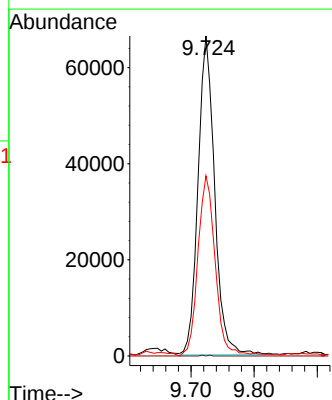
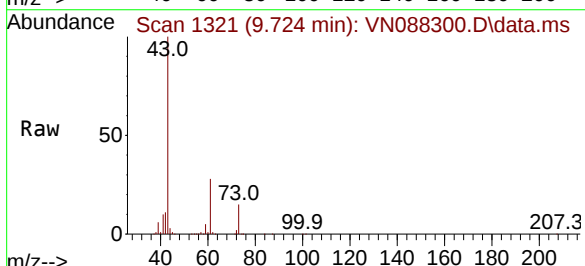
Tgt Ion: 41 Resp: 121075

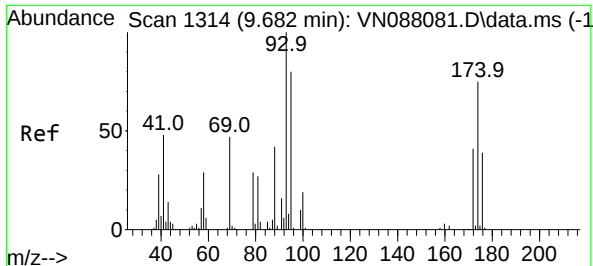
Ion Ratio Lower Upper

41 100

69 0.1 62.7 94.1#

39 58.5 52.9 79.3





#49

1,4-Dioxane

Concen: 4.500 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

PB170545TB

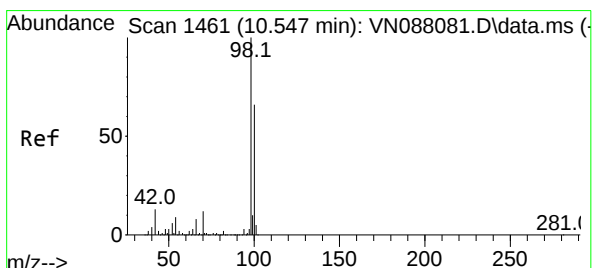
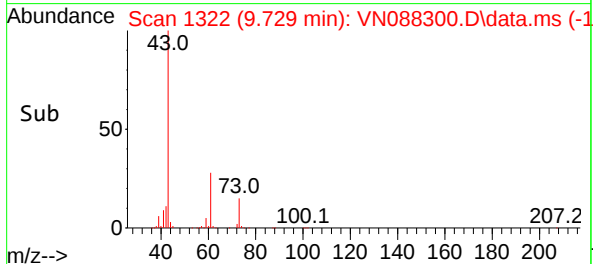
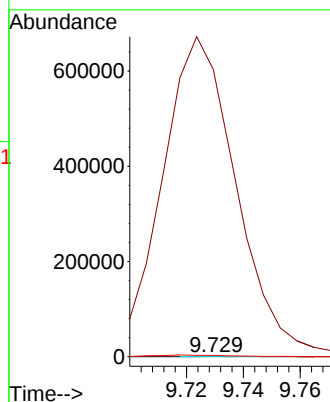
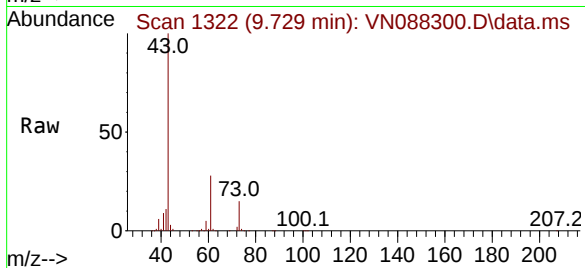
Tgt Ion: 88 Resp: 213

Ion Ratio Lower Upper

88 100

43 585353.1 0.0 0.0#

58 3337.1 57.9 86.9#



#50

Toluene-d8

Concen: 45.088 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN088300.D

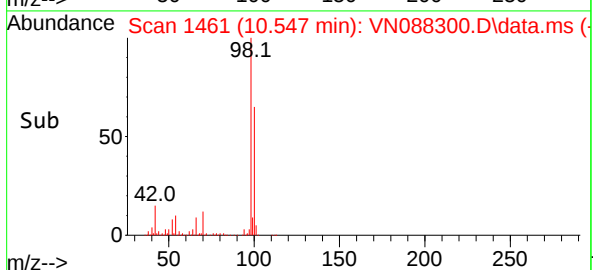
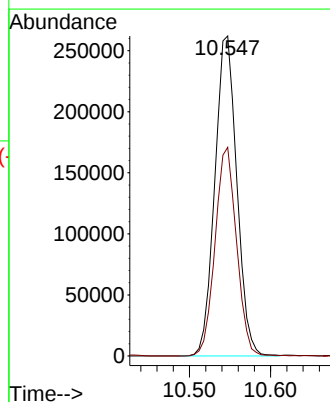
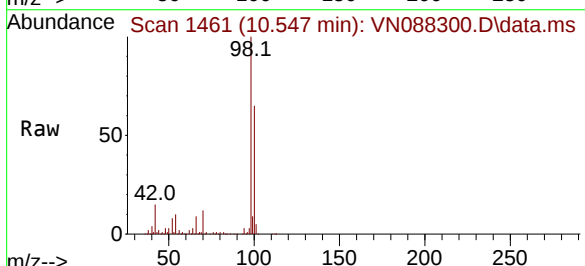
Acq: 17 Nov 2025 13:39

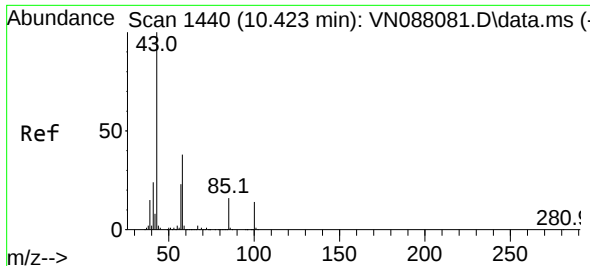
Tgt Ion: 98 Resp: 494574

Ion Ratio Lower Upper

98 100

100 63.5 52.8 79.2

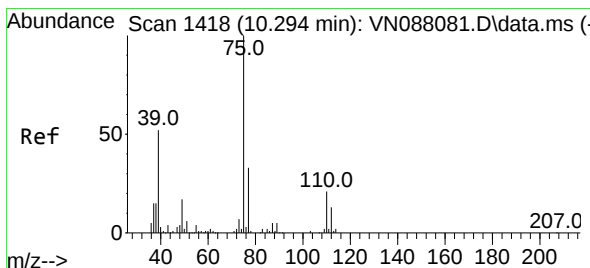
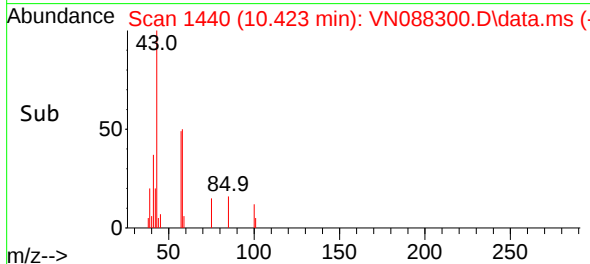
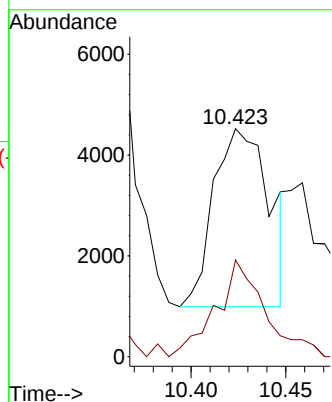
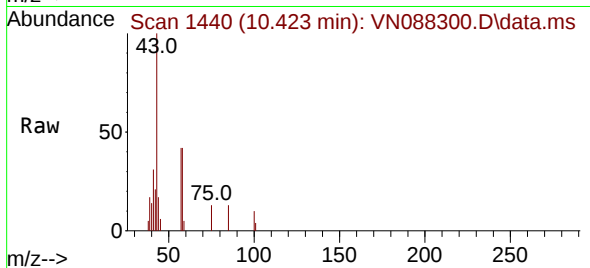




#51
4-Methyl-2-Pentanone
Concen: 1.484 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

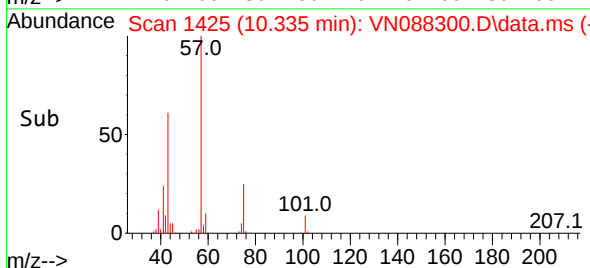
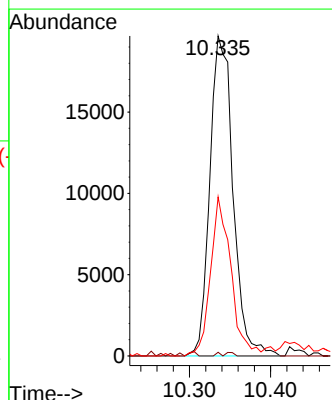
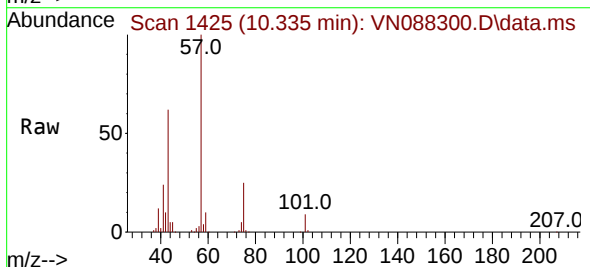
Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

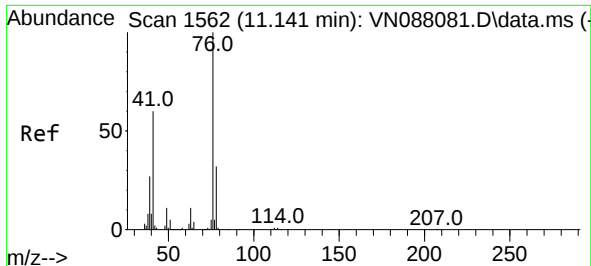
Tgt Ion: 43 Resp: 7238
Ion Ratio Lower Upper
43 100
58 47.6 29.6 44.4#



#54
cis-1,3-Dichloropropene
Concen: 7.574 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.047 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 75 Resp: 39036
Ion Ratio Lower Upper
75 100
77 1.1 24.6 37.0#
39 49.7 45.2 67.8





#57

1,3-Dichloropropane

Concen: 0.581 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.047 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

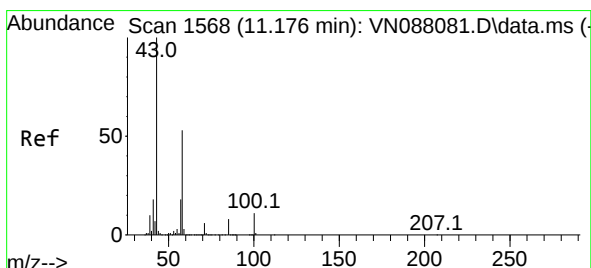
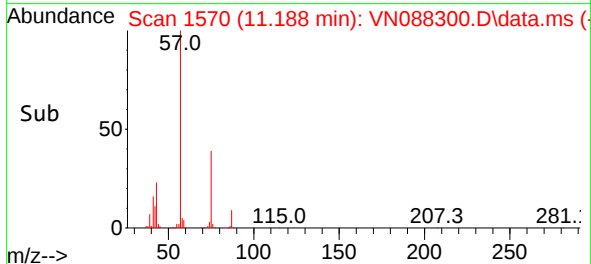
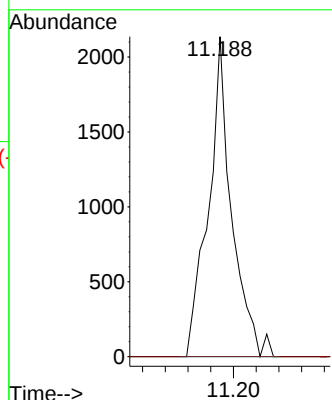
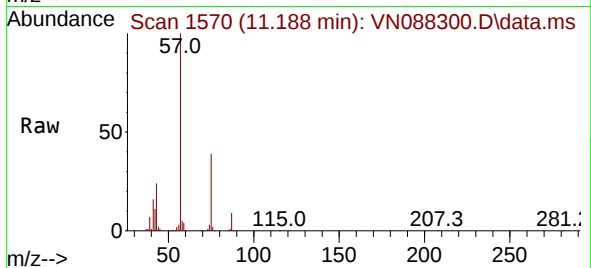
PB170545TB

Tgt Ion: 76 Resp: 3026

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 19.669 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN088300.D

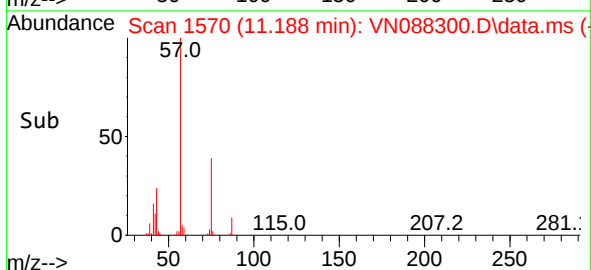
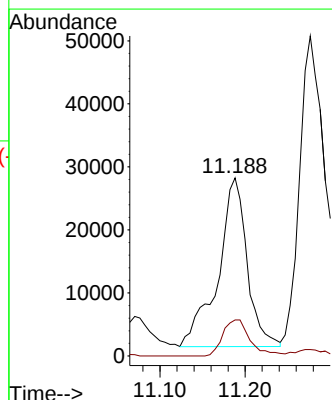
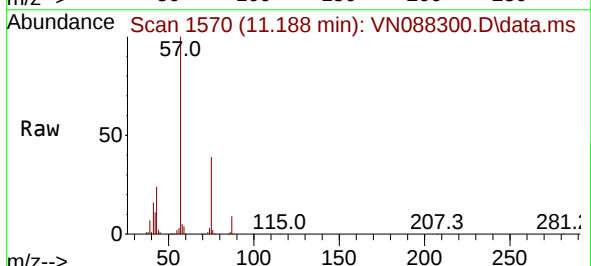
Acq: 17 Nov 2025 13:39

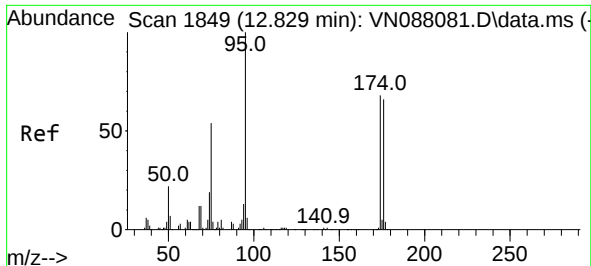
Tgt Ion: 43 Resp: 63622

Ion Ratio Lower Upper

43 100

58 20.1 25.9 77.8#

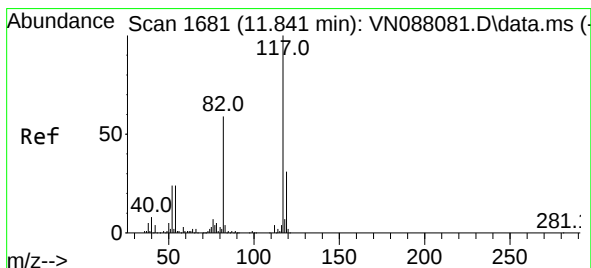
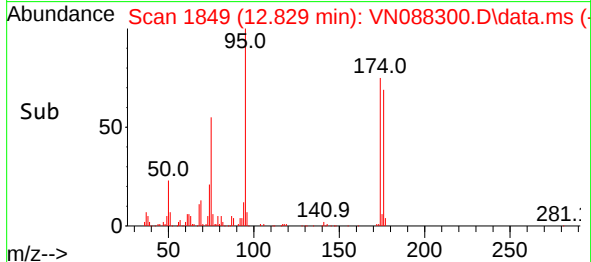
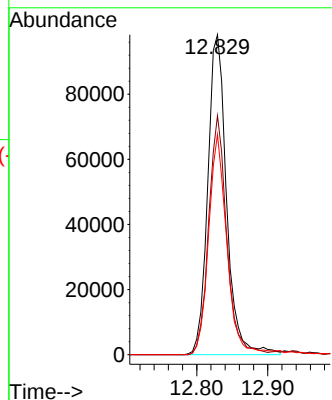
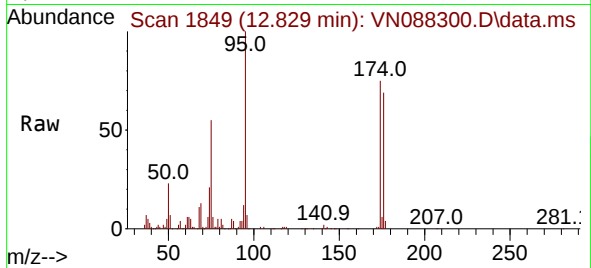




#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

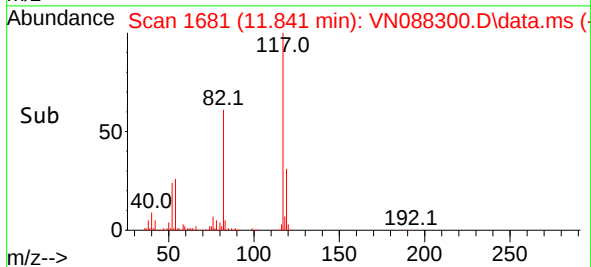
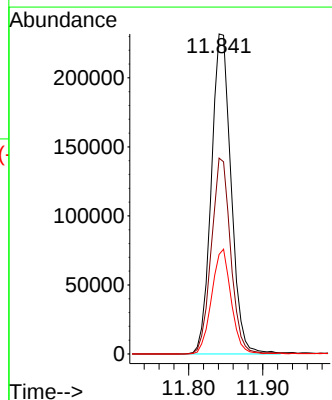
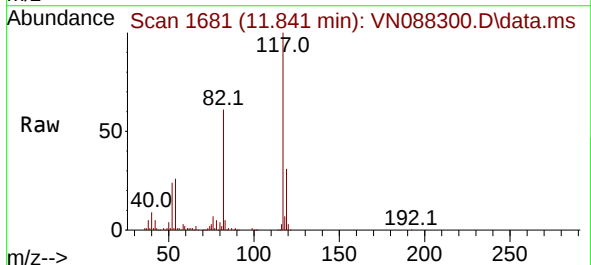
Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

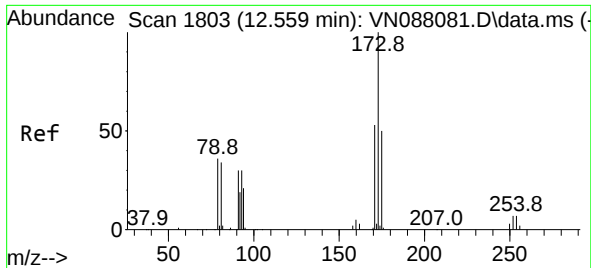
Tgt Ion: 95 Resp: 180965
Ion Ratio Lower Upper
95 100
174 71.9 0.0 138.4
176 67.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 117 Resp: 429317
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.1 24.3 36.5





#71

Bromoform

Concen: 0.485 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

PB170545TB

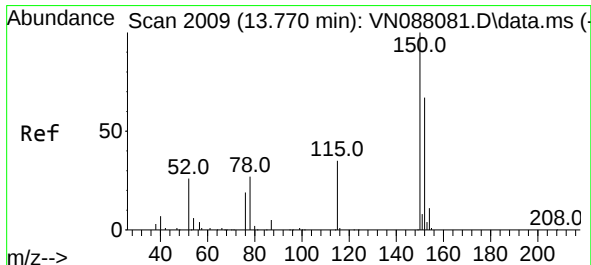
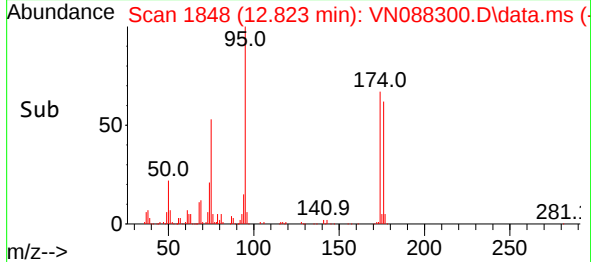
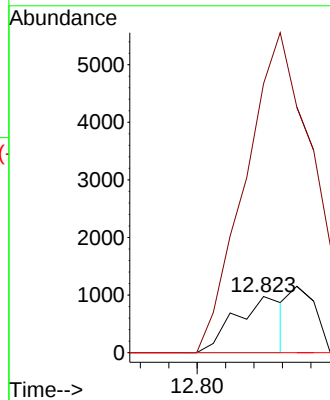
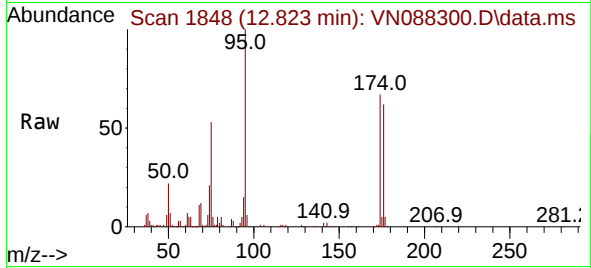
Tgt Ion:173 Resp: 1156

Ion Ratio Lower Upper

173 100

175 618.3 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088300.D

Acq: 17 Nov 2025 13:39

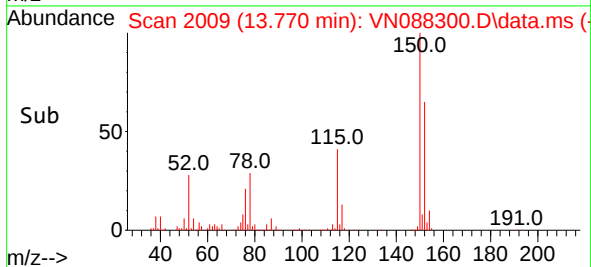
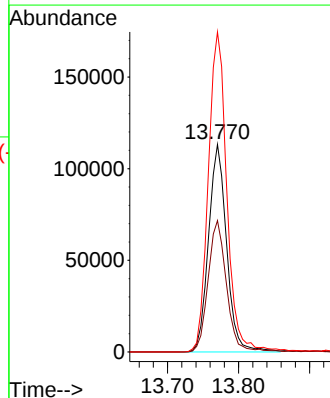
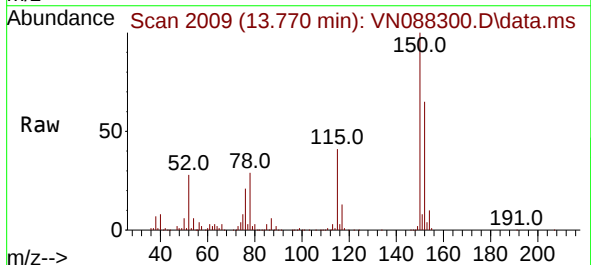
Tgt Ion:152 Resp: 200810

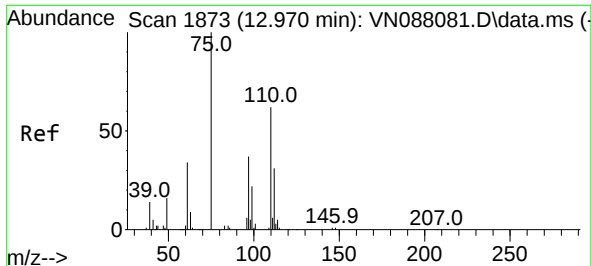
Ion Ratio Lower Upper

152 100

115 64.6 32.3 96.8

150 158.9 0.0 351.0

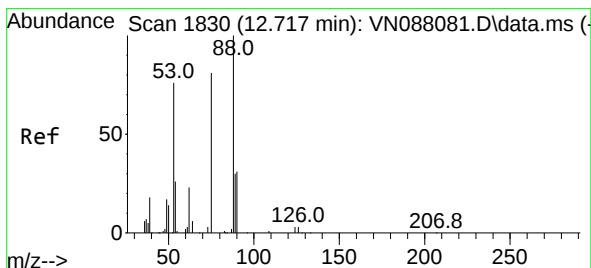
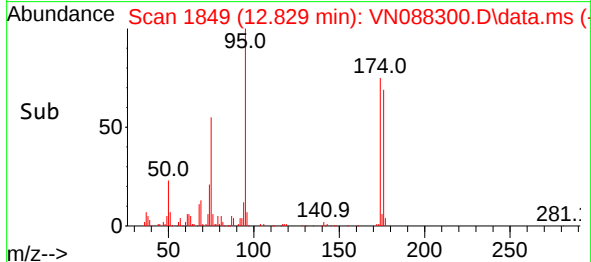
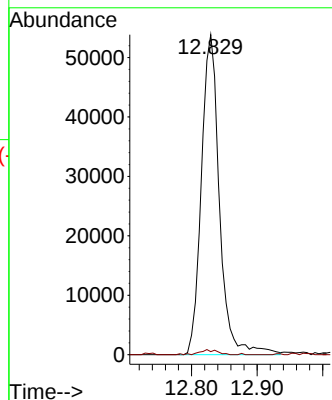
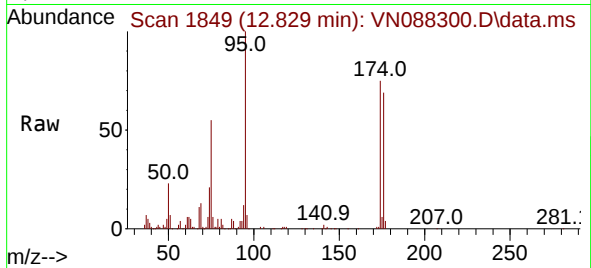




#76
1,2,3-Trichloropropane
Concen: 22.531 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :
PB170545TB

Tgt Ion: 75 Resp: 103445
Ion Ratio Lower Upper
75 100
77 1.5 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.852 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088300.D
Acq: 17 Nov 2025 13:39

Tgt Ion: 75 Resp: 103445
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.5 35.6 53.4#

