

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088245.D
 Acq On : 11 Nov 2025 10:47
 Operator : JC\MD
 Sample : VN1111WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBL01

Quant Time: Nov 12 01:10:51 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)

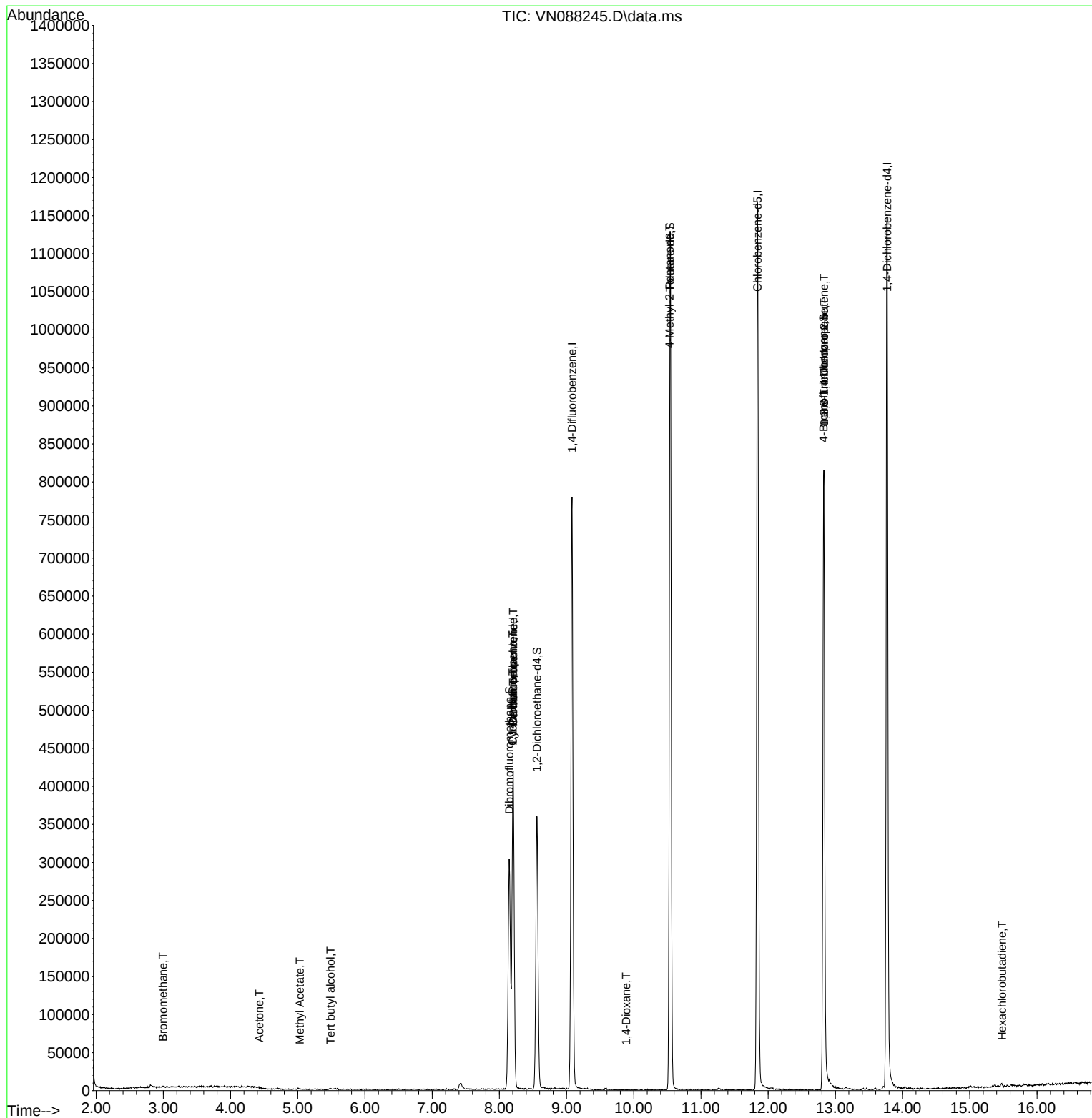
Internal Standards						
1) Pentafluorobenzene	8.206	168	278240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	640316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	622917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	308984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	296104	61.543	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.080%			
35) Dibromofluoromethane	8.147	113	212941	49.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.000%			
50) Toluene-d8	10.541	98	762057	45.976	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.960%			
62) 4-Bromofluorobenzene	12.823	95	299716	51.201	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.400%			
Target Compounds						Qvalue
5) Bromomethane	2.995	94	520	0.216	ug/l	82
11) Tert butyl alcohol	5.489	59	1069	1.290	ug/l #	71
16) Acetone	4.430	43	644	0.266	ug/l #	84
18) Methyl Acetate	5.030	43	1967	0.397	ug/l #	54
31) Cyclohexane	8.200	56	8687	1.290	ug/l #	35
36) 1,1-Dichloropropene	8.200	75	27944	4.449	ug/l #	51
38) Carbon Tetrachloride	8.206	117	32138	4.954	ug/l #	14
49) 1,4-Dioxane	9.888	88	54	0.755	ug/l #	13
51) 4-Methyl-2-Pentanone	10.535	43	4264	0.579	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	172056	24.356	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	172056	67.941	ug/l #	1
94) Hexachlorobutadiene	15.482	225	716	0.321	ug/l #	75

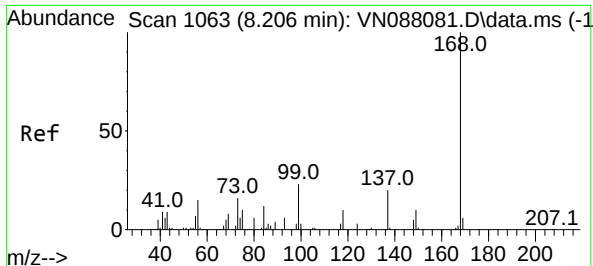
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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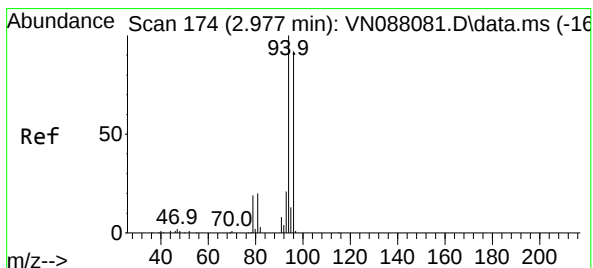
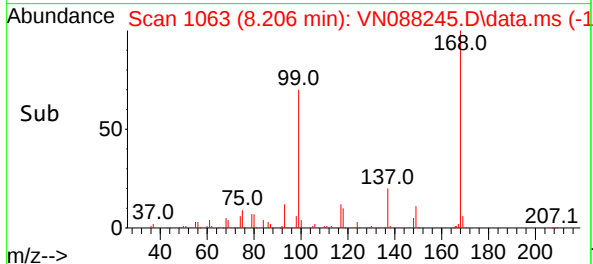
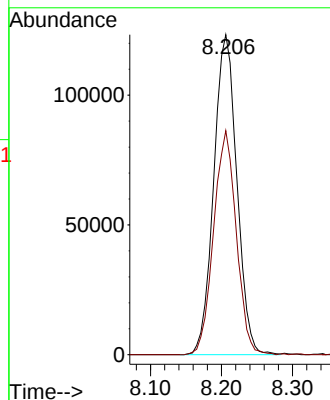
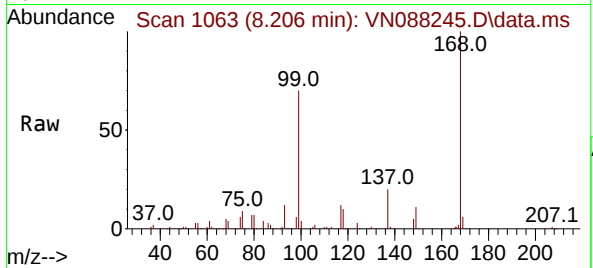




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

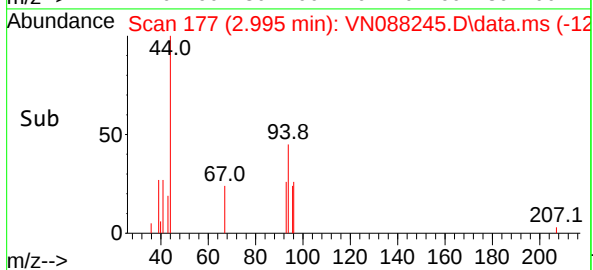
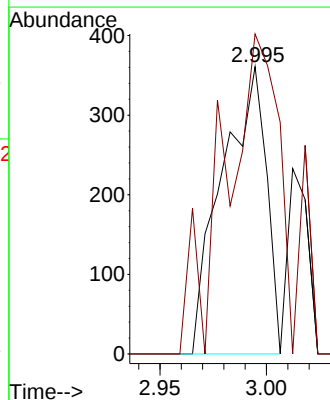
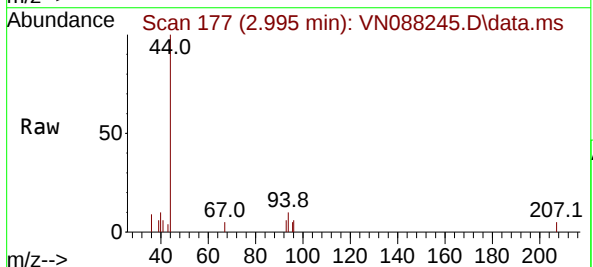
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

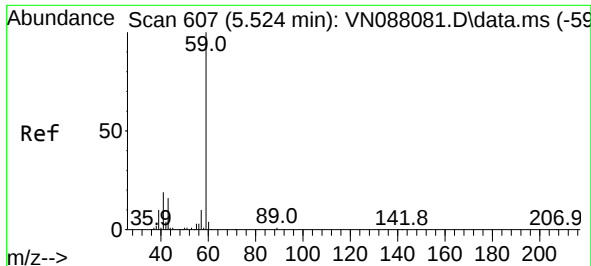
Tgt Ion:168 Resp: 278240
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#5
Bromomethane
Concen: 0.216 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 94 Resp: 520
Ion Ratio Lower Upper
94 100
96 111.4 75.4 113.2

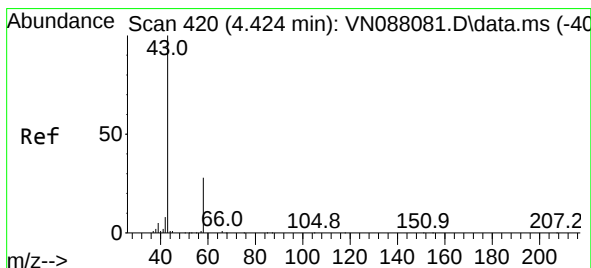
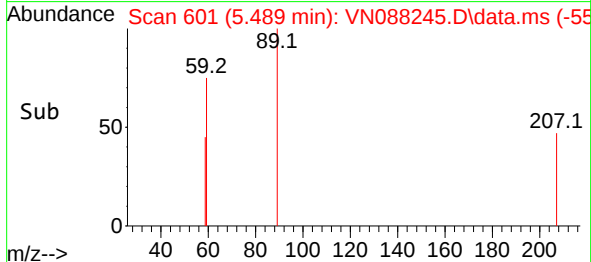
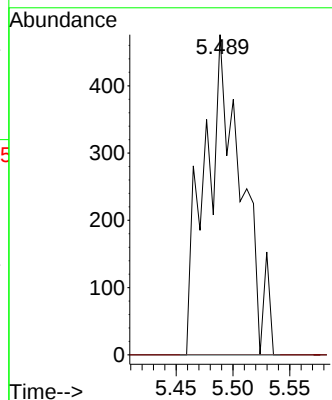
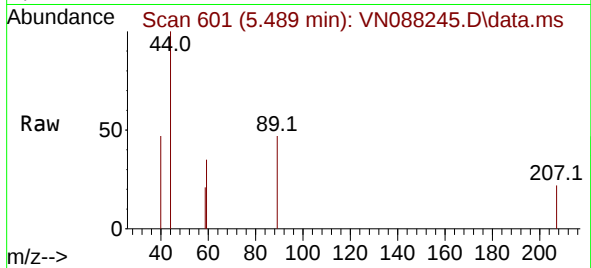




#11
Tert butyl alcohol
Concen: 1.290 ug/l
RT: 5.489 min Scan# 607
Delta R.T. -0.029 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

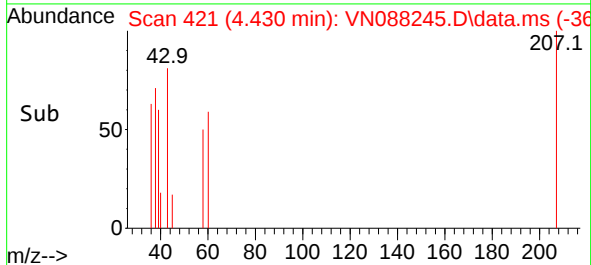
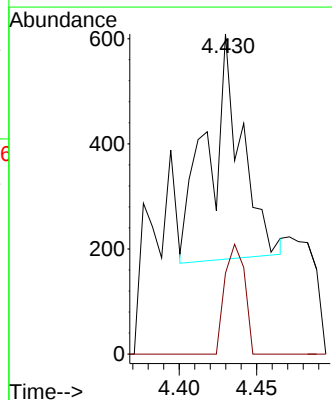
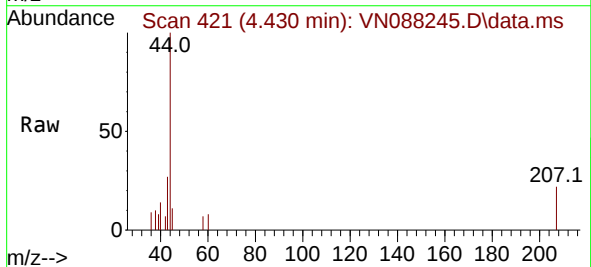
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

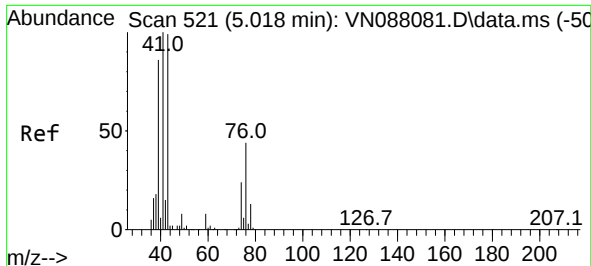
Tgt Ion: 59 Resp: 1069
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 0.266 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
58 36.8 22.6 33.8#

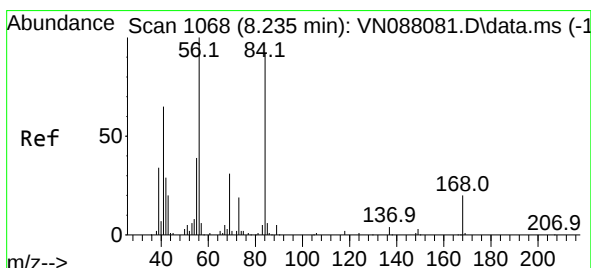
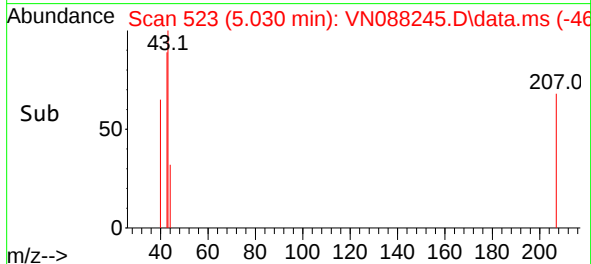
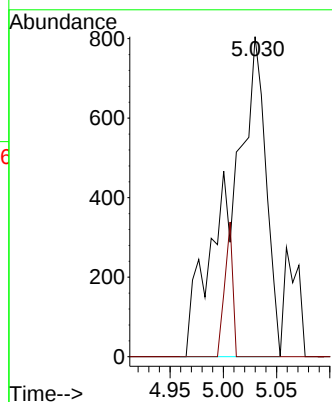
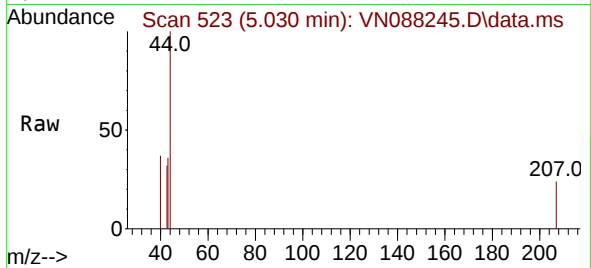




#18
Methyl Acetate
Concen: 0.397 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

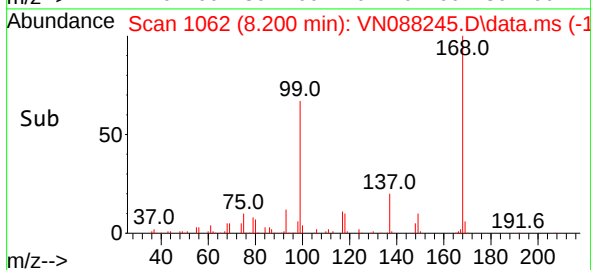
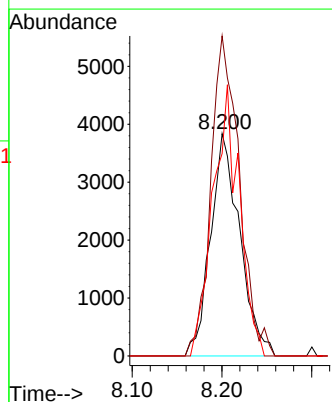
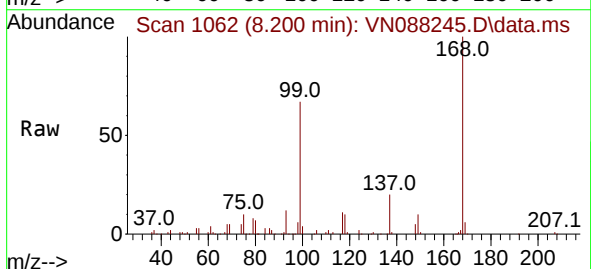
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

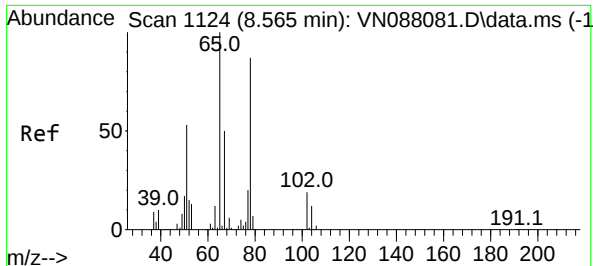
Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#31
Cyclohexane
Concen: 1.290 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 56 Resp: 8687
Ion Ratio Lower Upper
56 100
69 144.0 23.7 35.5#
84 91.1 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 61.543 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088245.D

Acq: 11 Nov 2025 10:47

Instrument :

MSVOA_N

ClientSampleId :

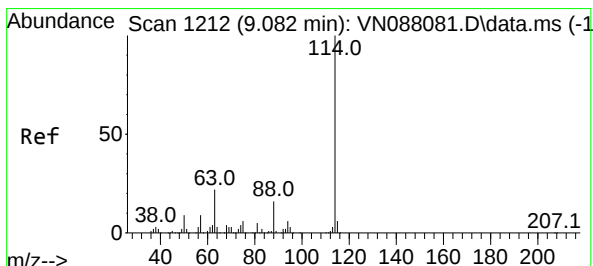
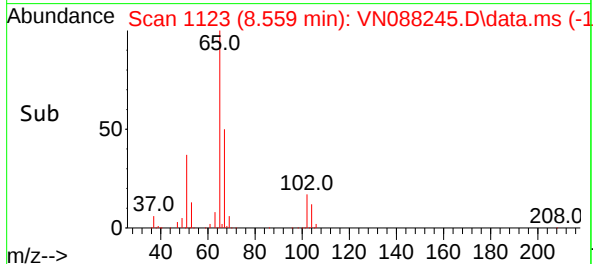
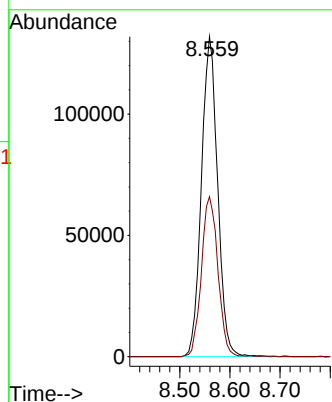
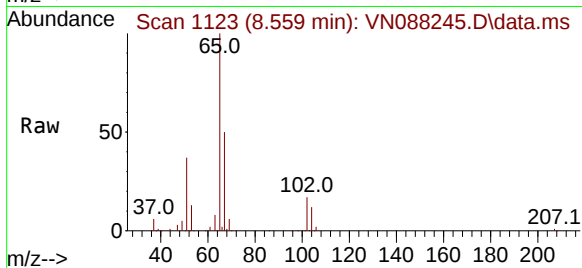
VN1111WBL01

Tgt Ion: 65 Resp: 296104

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088245.D

Acq: 11 Nov 2025 10:47

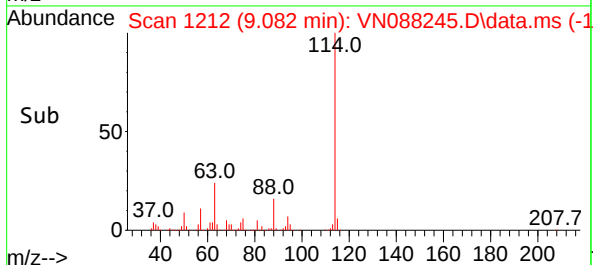
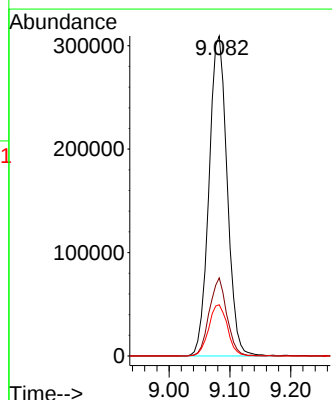
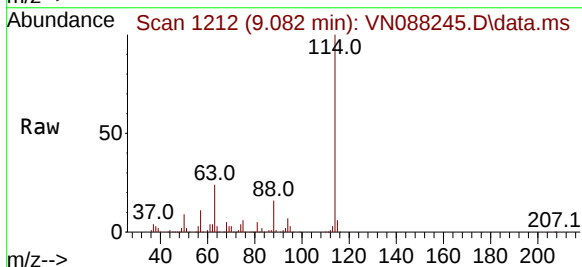
Tgt Ion: 114 Resp: 640316

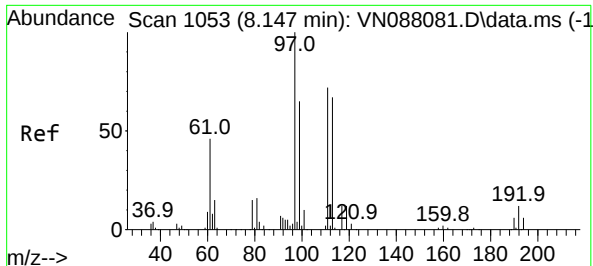
Ion Ratio Lower Upper

114 100

63 24.4 0.0 45.2

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.502 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088245.D

Acq: 11 Nov 2025 10:47

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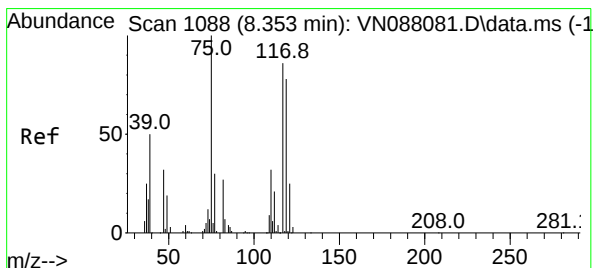
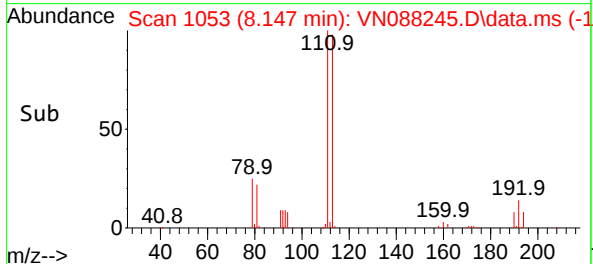
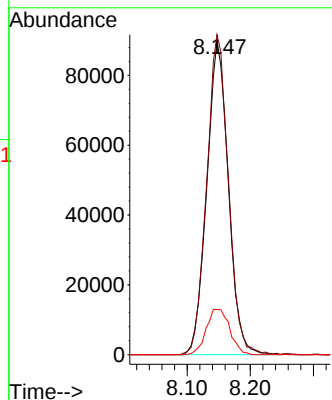
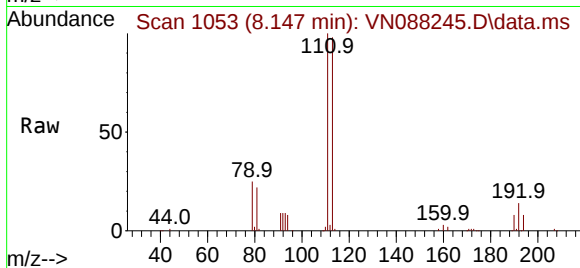
Tgt Ion:113 Resp: 212941

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 15.8 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088245.D

Acq: 11 Nov 2025 10:47

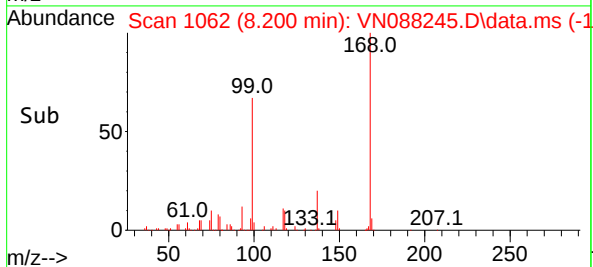
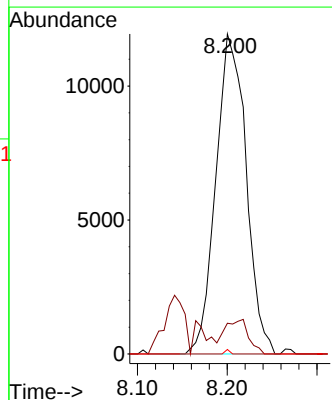
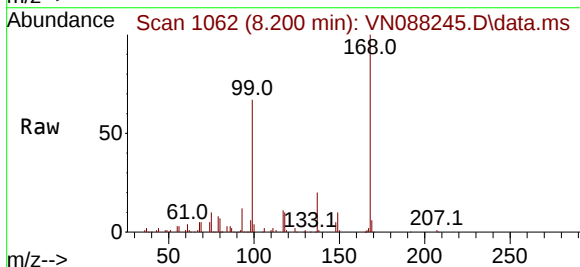
Tgt Ion: 75 Resp: 27944

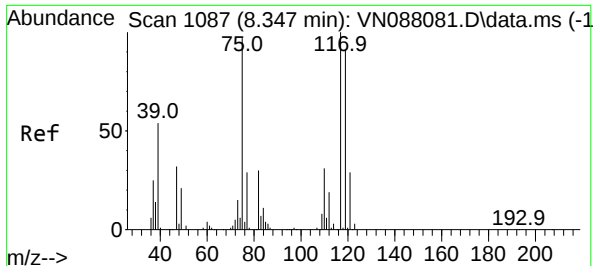
Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.6#

77 0.2 24.4 36.6#

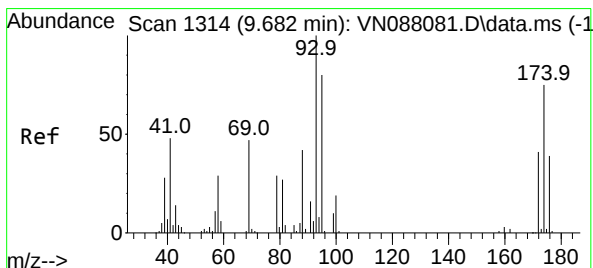
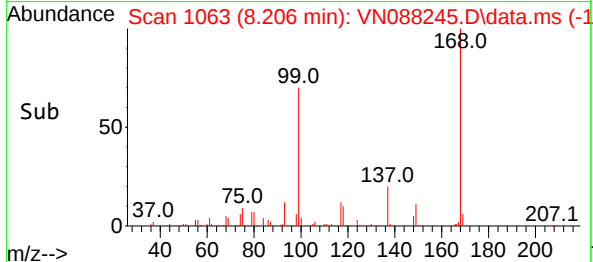
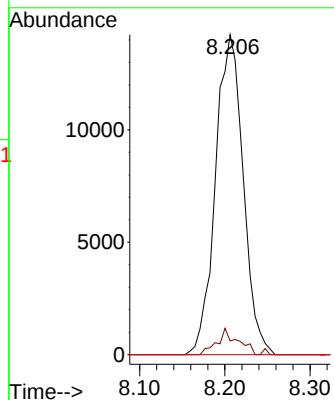
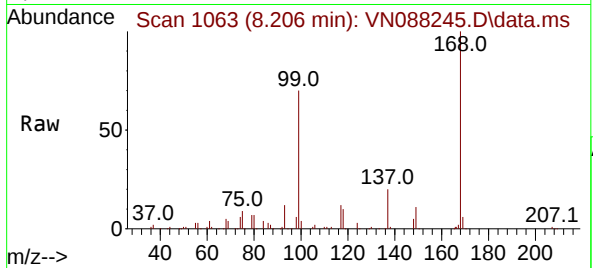




#38
Carbon Tetrachloride
Concen: 4.954 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

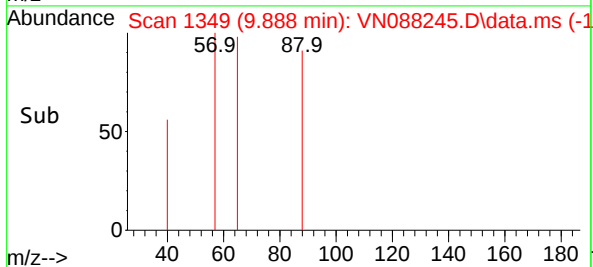
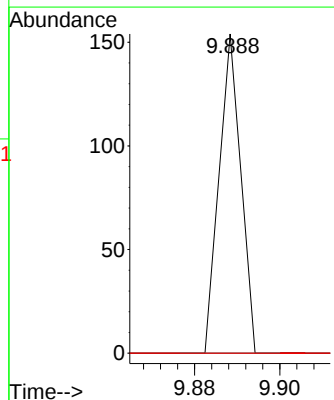
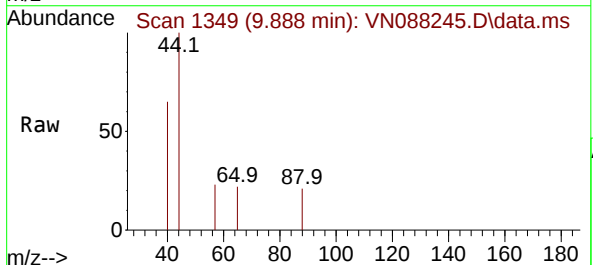
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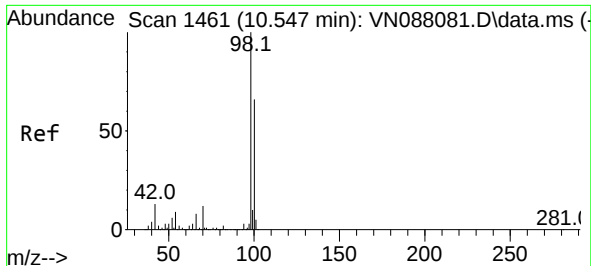
Tgt Ion:117 Resp: 32138
Ion Ratio Lower Upper
117 100
119 4.3 79.0 118.6#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 0.755 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.206 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 57.9 86.9#

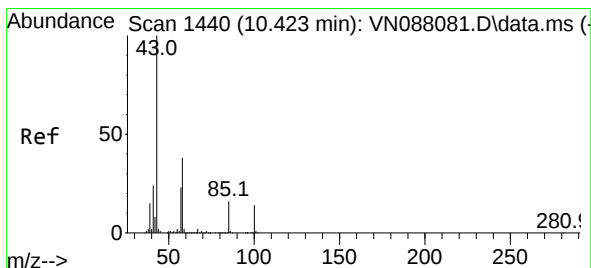
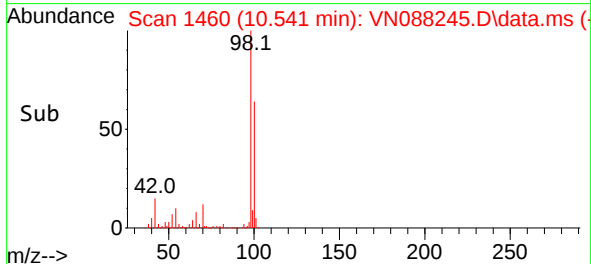
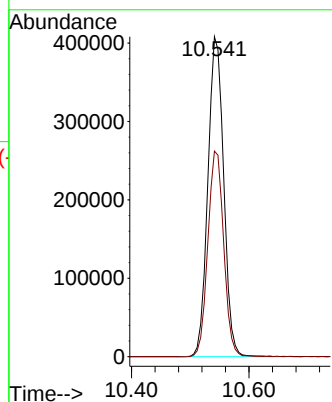
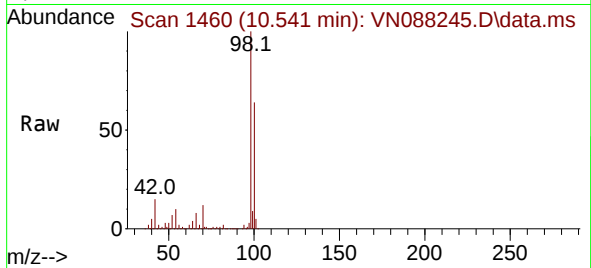




#50
Toluene-d8
Concen: 45.976 ug/l
RT: 10.541 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

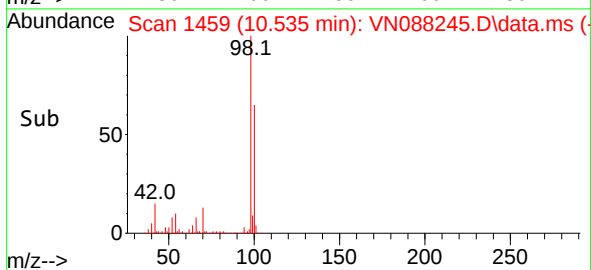
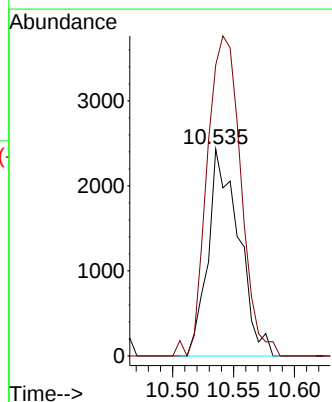
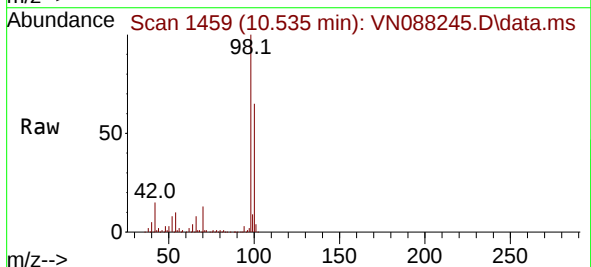
Instrument :
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VN1111WBL01

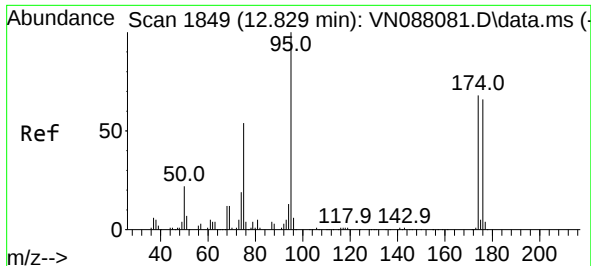
Tgt Ion: 98 Resp: 762057
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.579 ug/l
RT: 10.535 min Scan# 1459
Delta R.T. 0.112 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 43 Resp: 4264
Ion Ratio Lower Upper
43 100
58 170.5 29.6 44.4#

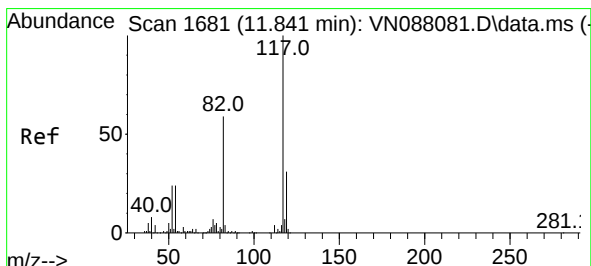
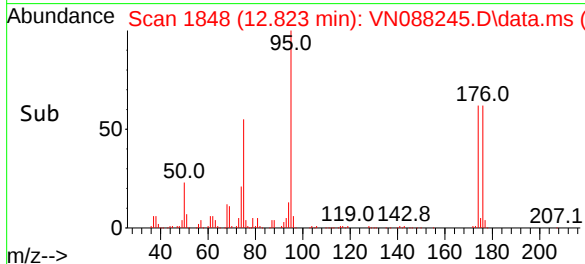
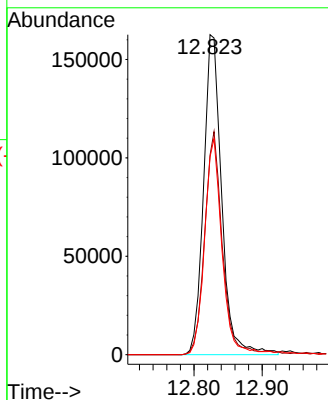
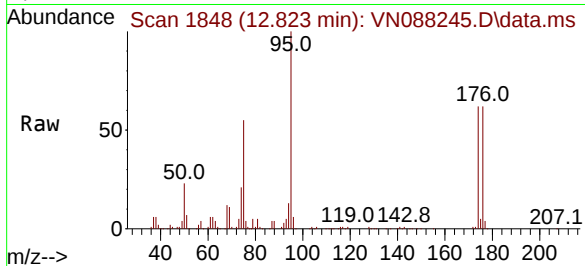




#62
4-Bromofluorobenzene
Concen: 51.201 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

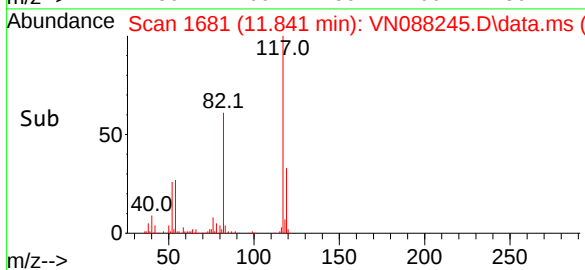
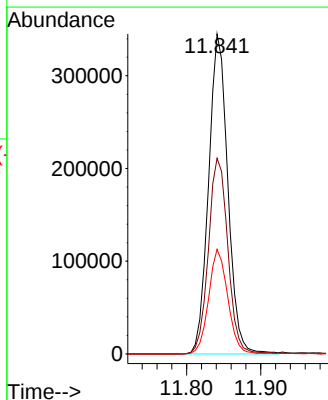
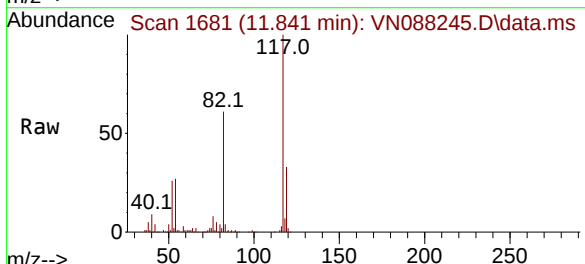
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

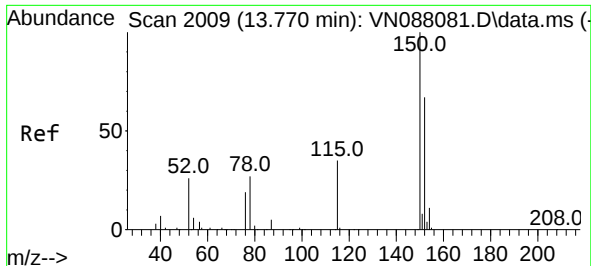
Tgt Ion: 95 Resp: 299716
Ion Ratio Lower Upper
95 100
174 68.0 0.0 138.4
176 66.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 117 Resp: 622917
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 32.7 24.3 36.5

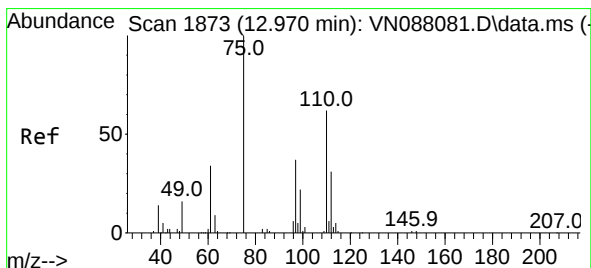
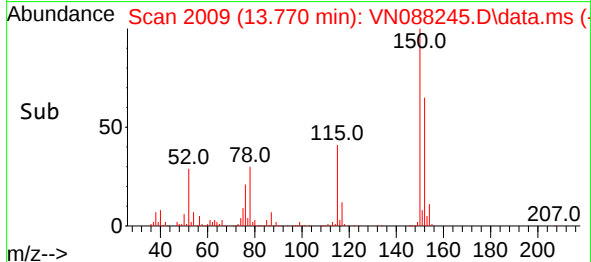
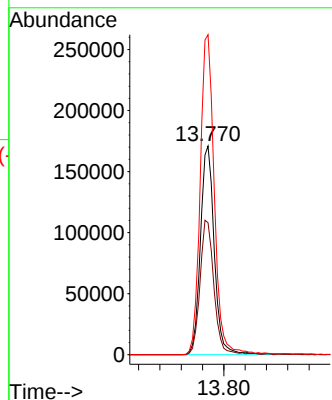
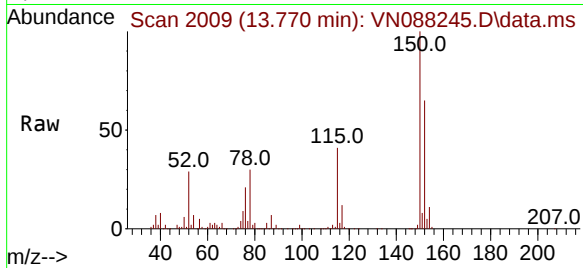




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088245.D
 Acq: 11 Nov 2025 10:47

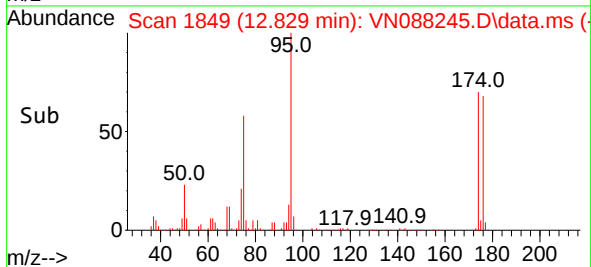
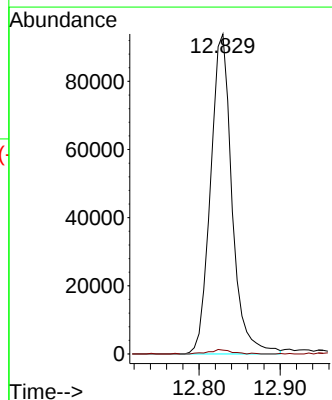
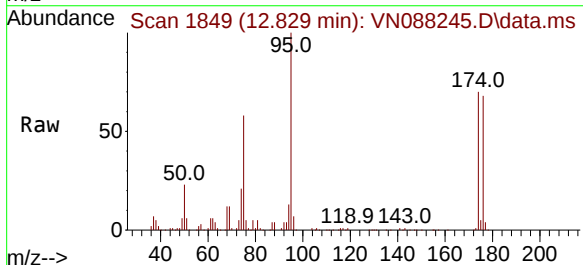
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBL01

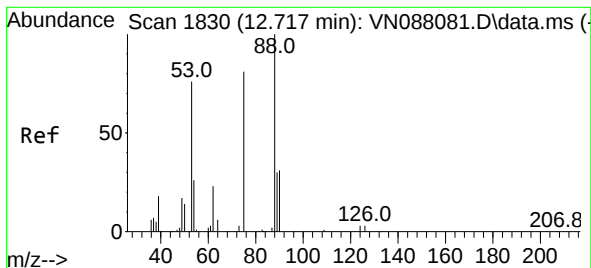
Tgt Ion:152 Resp: 308984
 Ion Ratio Lower Upper
 152 100
 115 64.8 32.3 96.8
 150 156.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 24.356 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088245.D
 Acq: 11 Nov 2025 10:47

Tgt Ion: 75 Resp: 172056
 Ion Ratio Lower Upper
 75 100
 77 1.4 89.1 267.4#

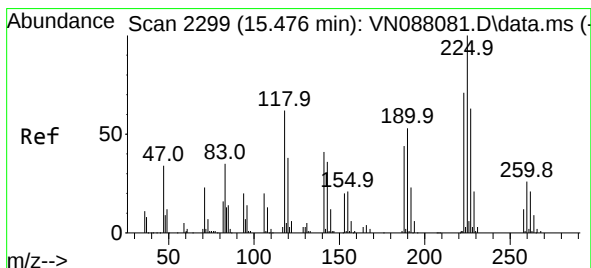
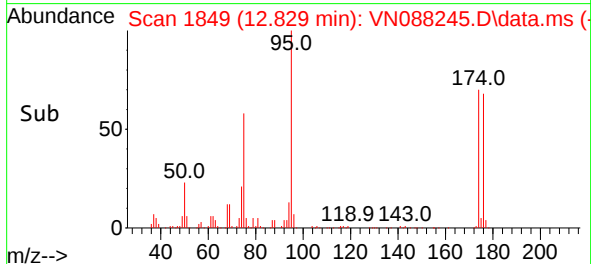
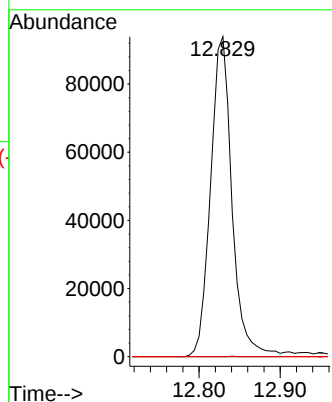
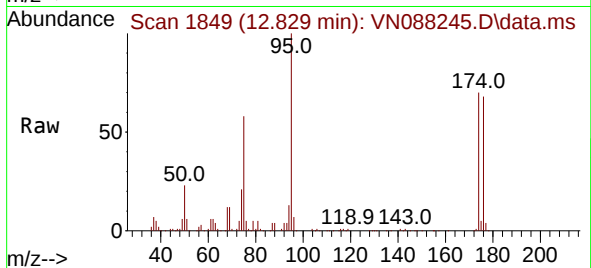




#81
trans-1,4-Dichloro-2-butene
Concen: 67.941 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Tgt Ion: 75 Resp: 172056
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#



#94
Hexachlorobutadiene
Concen: 0.321 ug/l
RT: 15.482 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 225 Resp: 716
Ion Ratio Lower Upper
225 100
223 30.6 32.0 96.2#
227 58.4 32.1 96.5

