

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088213.D
 Acq On : 06 Nov 2025 17:35
 Operator : JC\MD
 Sample : Q3560-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-10S

Quant Time: Nov 07 02:23:31 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	223922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	508531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	488671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	234197	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	233532	60.312	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.620%
35) Dibromofluoromethane	8.147	113	173448	50.770	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.540%
50) Toluene-d8	10.541	98	656522	49.874	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.829	95	247639	53.268	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.540%

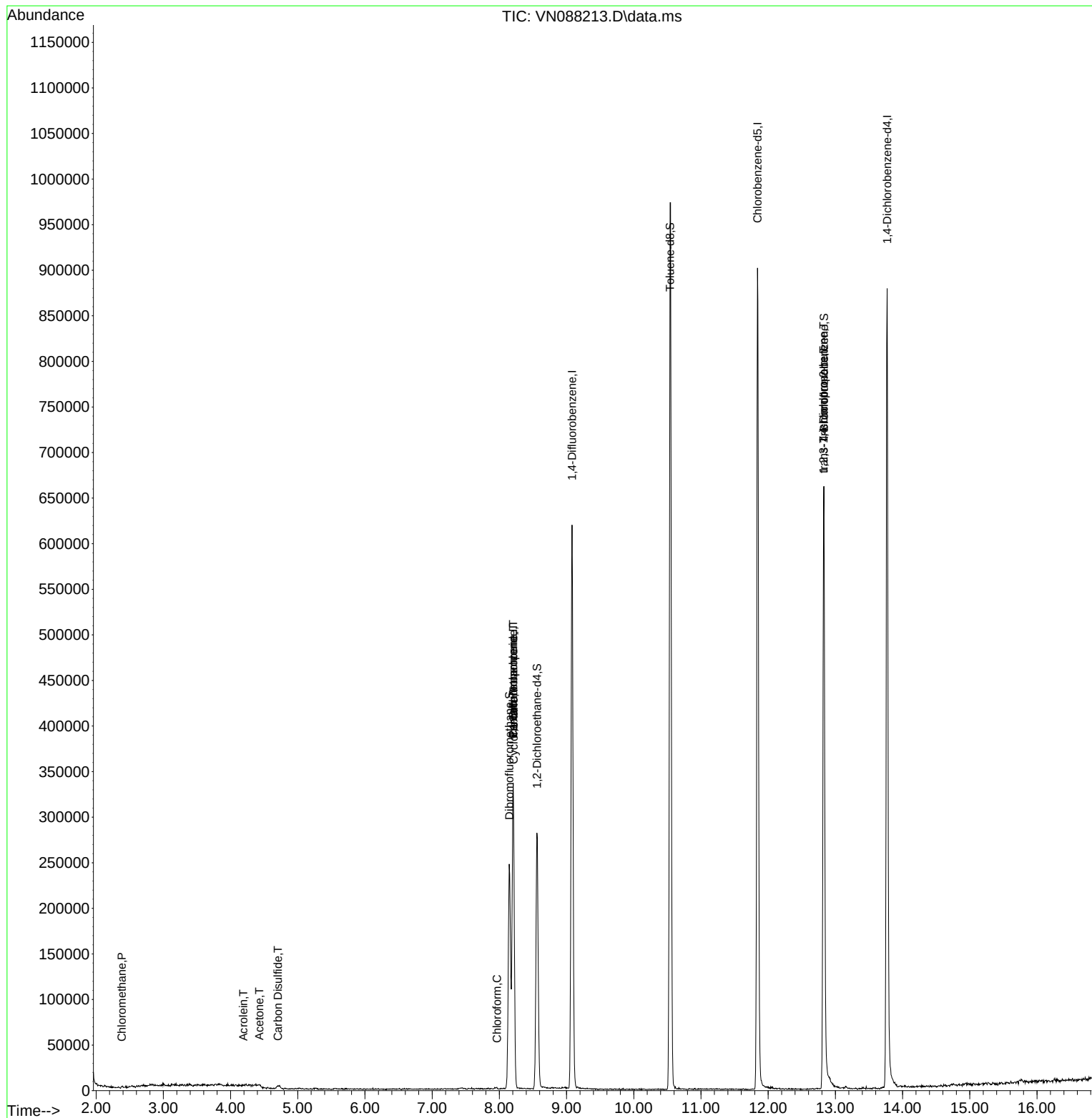
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	1733	0.583	ug/l #	75
13) Acrolein	4.189	56	190	0.253	ug/l #	1
16) Acetone	4.430	43	5273	2.711	ug/l	91
17) Carbon Disulfide	4.706	76	2001	0.234	ug/l #	74
30) Chloroform	7.965	83	1361	0.237	ug/l #	79
31) Cyclohexane	8.212	56	7411	1.367	ug/l #	35
36) 1,1-Dichloropropene	8.206	75	22624	4.535	ug/l #	49
38) Carbon Tetrachloride	8.206	117	26295	5.104	ug/l #	14
76) 1,2,3-Trichloropropane	12.823	75	144806	27.044	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	144806	75.440	ug/l #	1

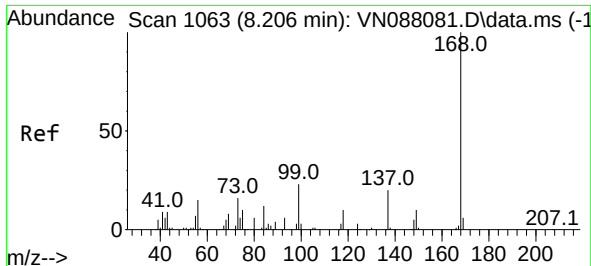
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

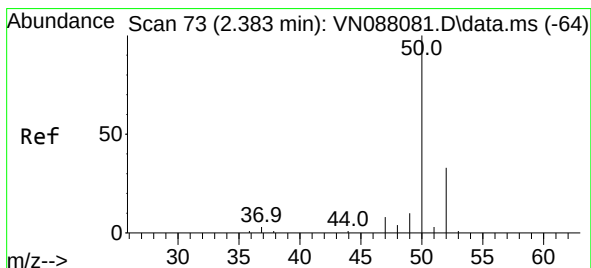
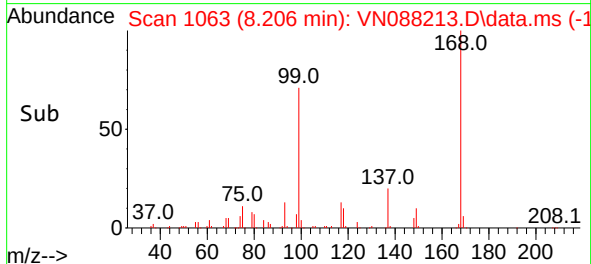
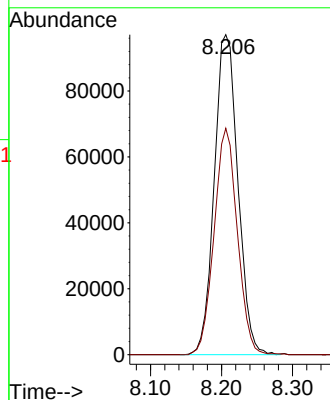
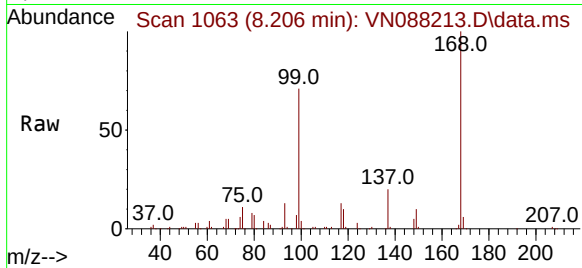




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

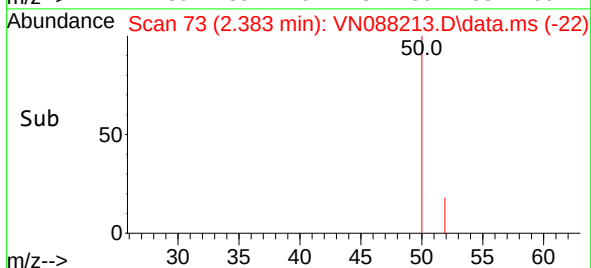
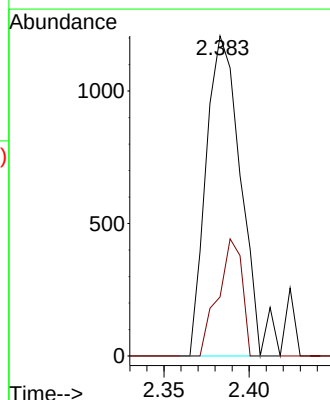
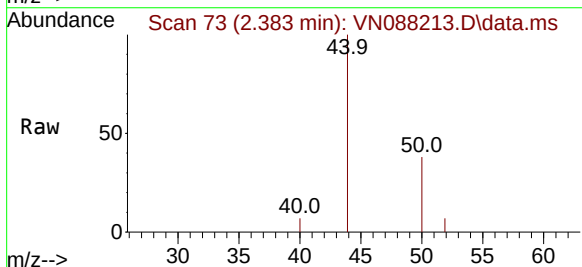
Instrument :
MSVOA_N
ClientSampleId :
SY-10S

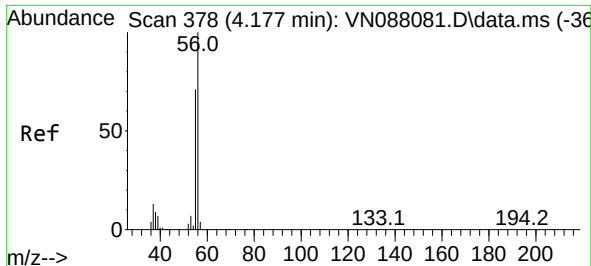
Tgt Ion:168 Resp: 223922
Ion Ratio Lower Upper
168 100
99 70.8 57.2 85.8



#3
Chloromethane
Concen: 0.583 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 50 Resp: 1733
Ion Ratio Lower Upper
50 100
52 18.5 26.2 39.4#

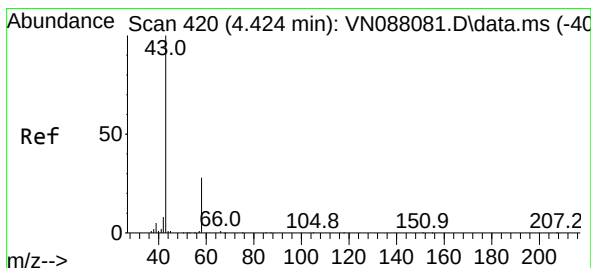
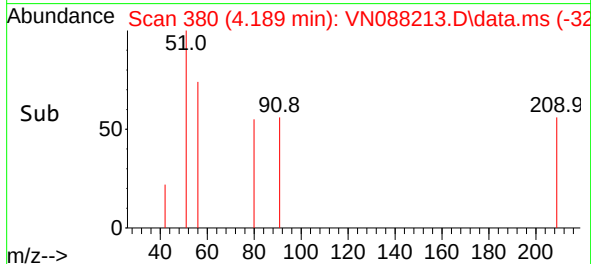
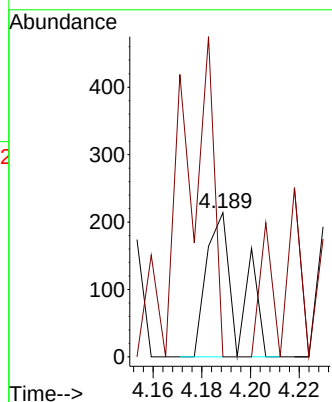
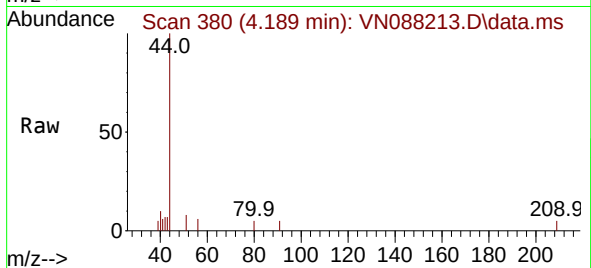




#13
Acrolein
Concen: 0.253 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

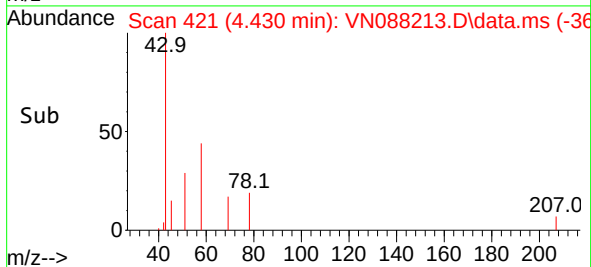
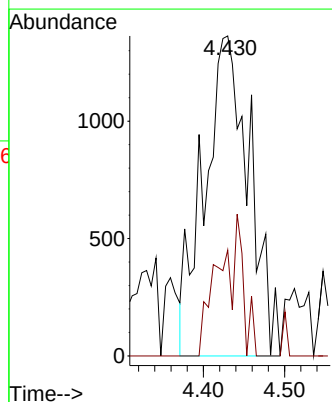
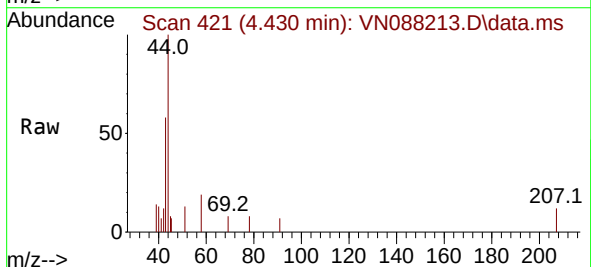
Instrument :
MSVOA_N
ClientSampleId :
SY-10S

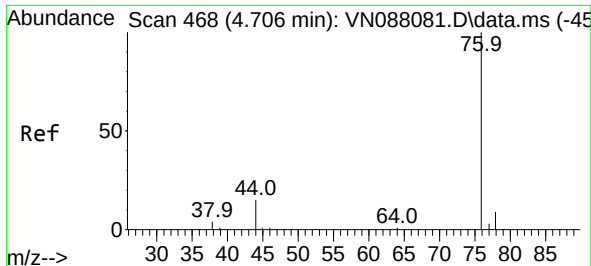
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 225.8 57.3 85.9#



#16
Acetone
Concen: 2.711 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 43 Resp: 5273
Ion Ratio Lower Upper
43 100
58 33.1 22.6 33.8

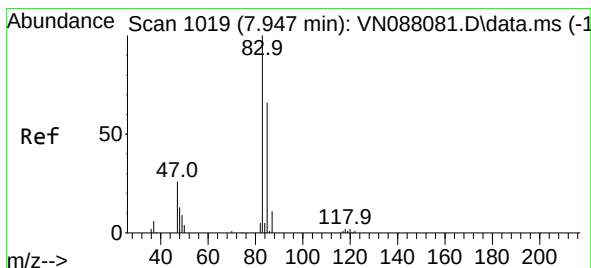
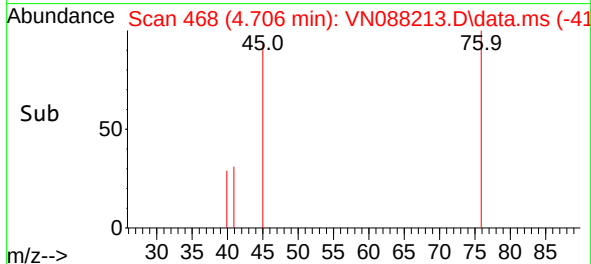
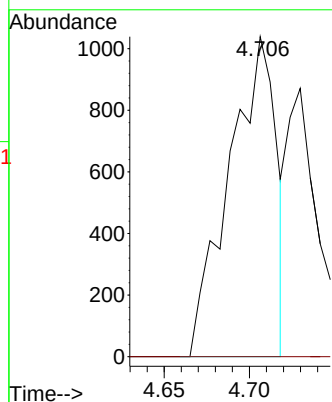
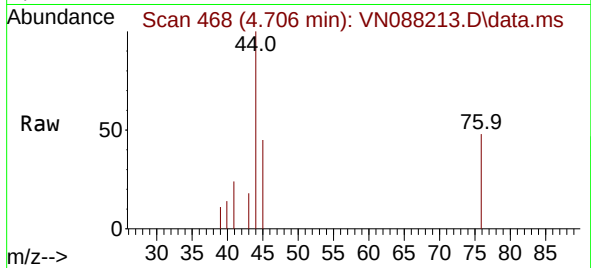




#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

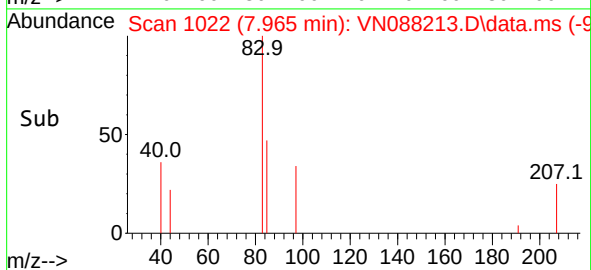
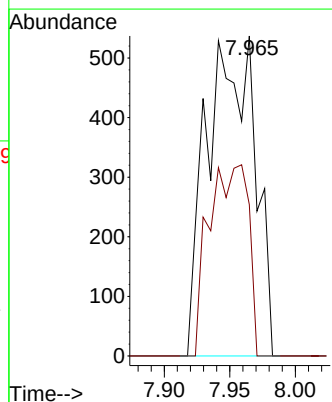
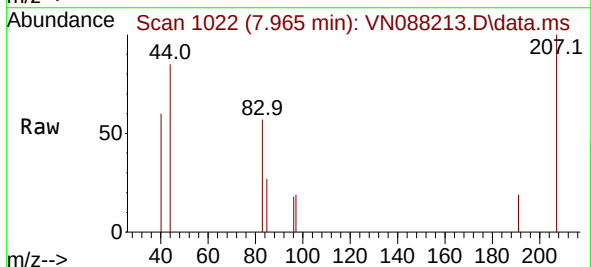
Instrument :
MSVOA_N
ClientSampleId :
SY-10S

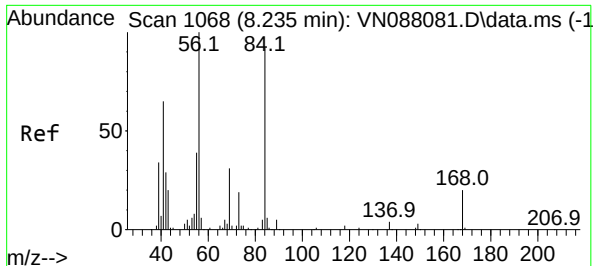
Tgt Ion: 76 Resp: 2001
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#30
Chloroform
Concen: 0.237 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.018 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 83 Resp: 1361
Ion Ratio Lower Upper
83 100
85 47.3 50.7 76.1#

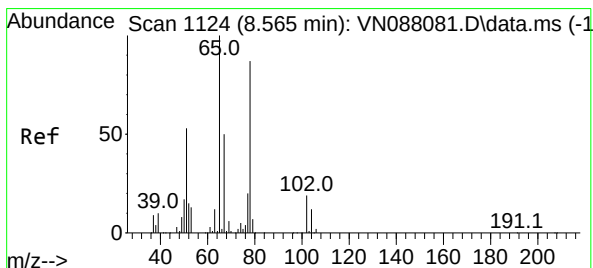
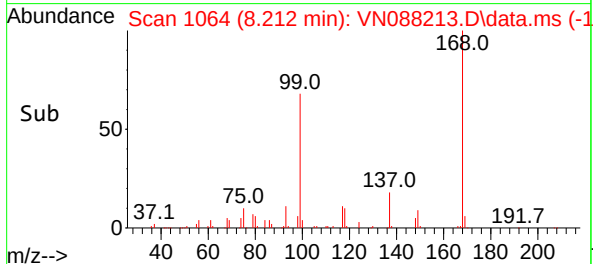
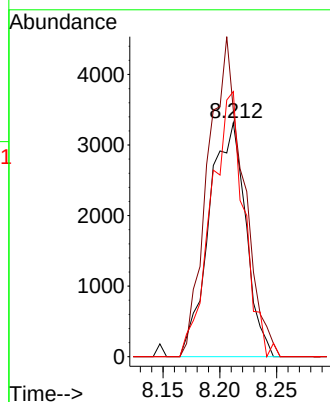
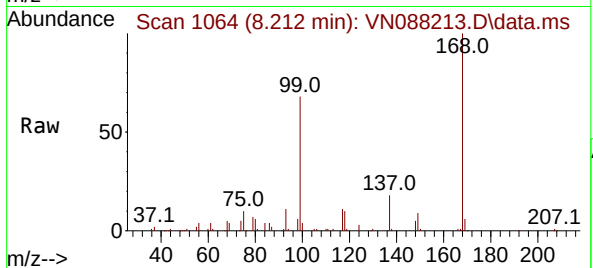




#31
Cyclohexane
Concen: 1.367 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

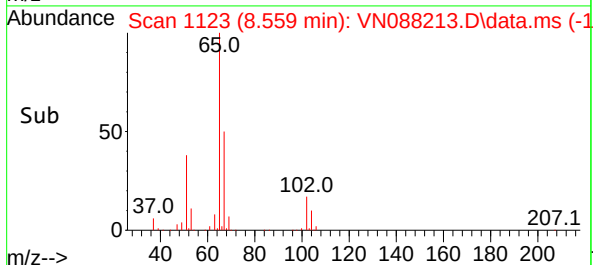
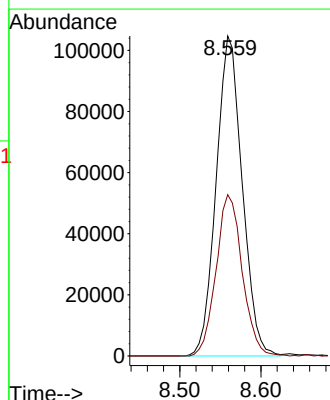
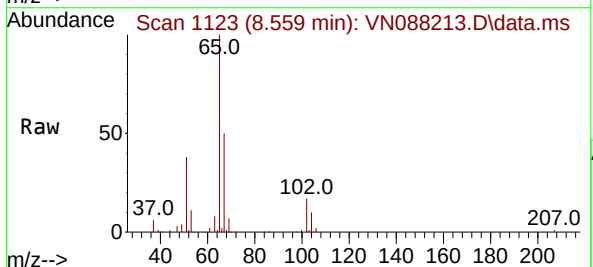
Instrument :
MSVOA_N
ClientSampleId :
SY-10S

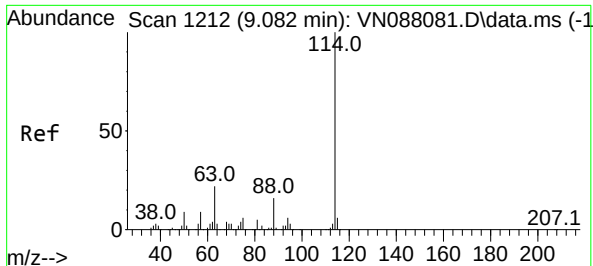
Tgt Ion: 56 Resp: 7411
Ion Ratio Lower Upper
56 100
69 105.4 23.7 35.5#
84 113.4 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 60.312 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 65 Resp: 233532
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0

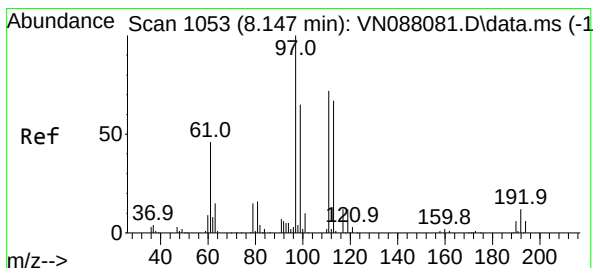
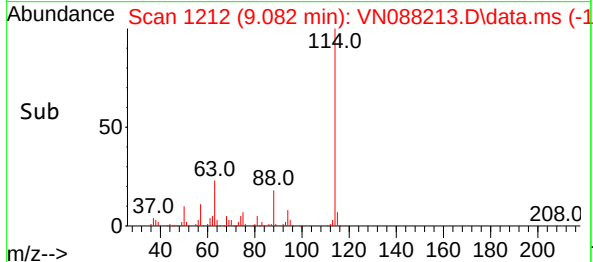
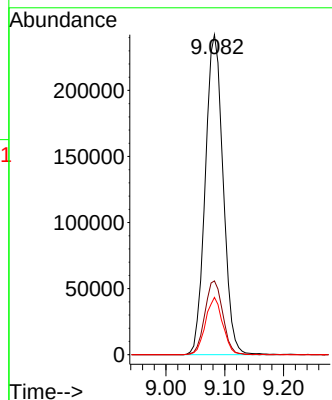
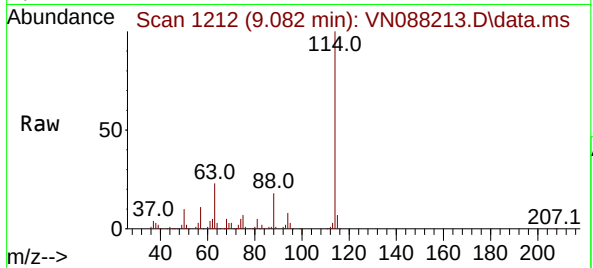




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

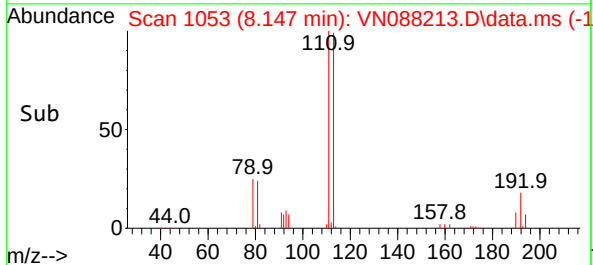
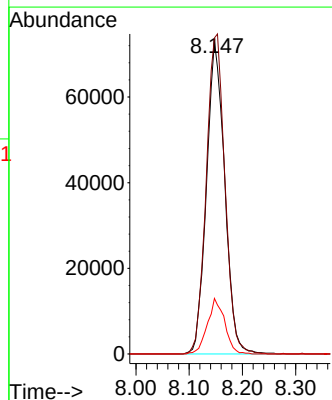
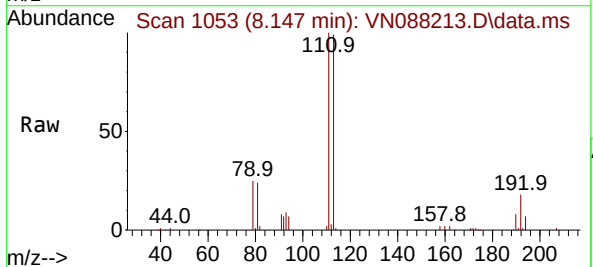
Instrument :
MSVOA_N
ClientSampleId :
SY-10S

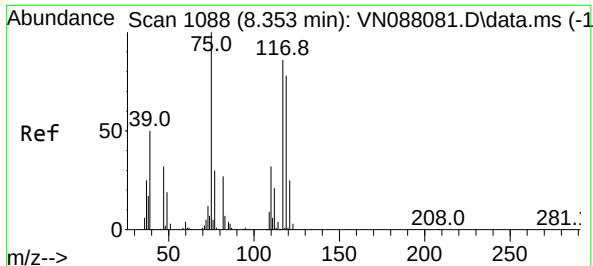
Tgt Ion:114 Resp: 508531
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.2
88 17.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.770 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion:113 Resp: 173448
Ion Ratio Lower Upper
113 100
111 104.8 82.8 124.2
192 16.9 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.535 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088213.D

Acq: 06 Nov 2025 17:35

Instrument :

MSVOA_N

ClientSampleId :

SY-10S

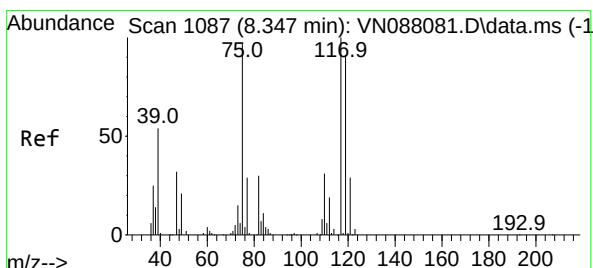
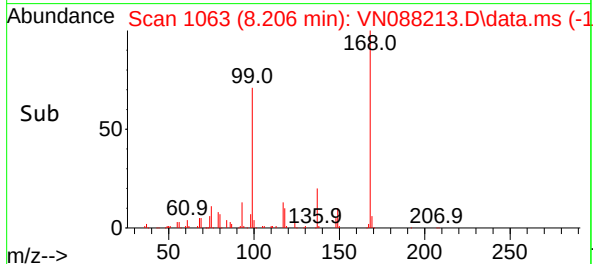
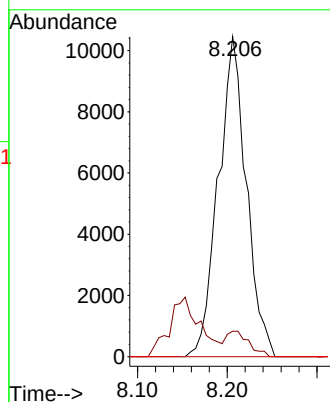
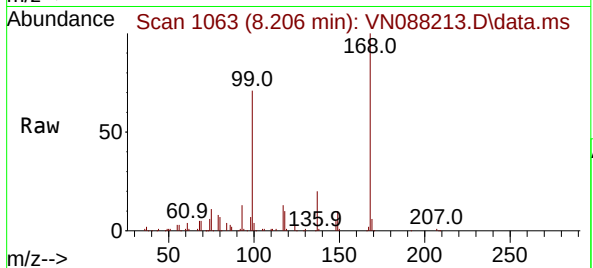
Tgt Ion: 75 Resp: 22624

Ion Ratio Lower Upper

75 100

110 6.4 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.104 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN088213.D

Acq: 06 Nov 2025 17:35

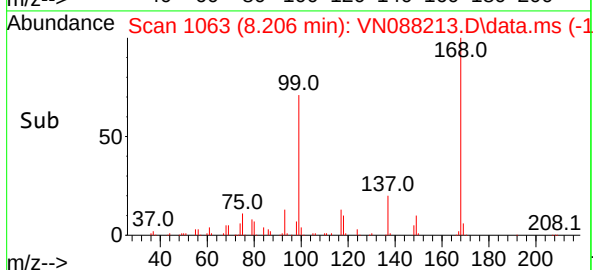
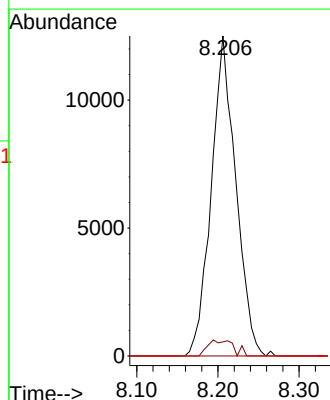
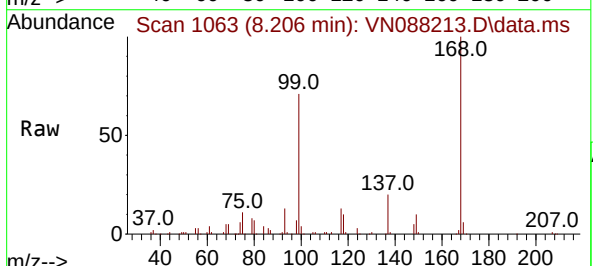
Tgt Ion: 117 Resp: 26295

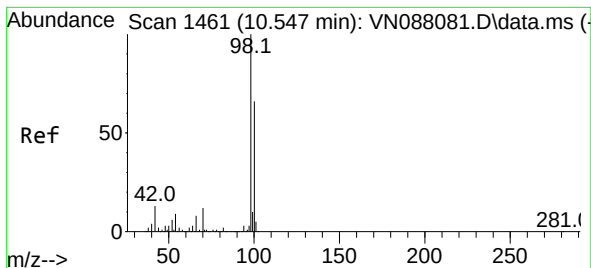
Ion Ratio Lower Upper

117 100

119 4.4 79.0 118.6#

121 0.0 25.0 37.6#

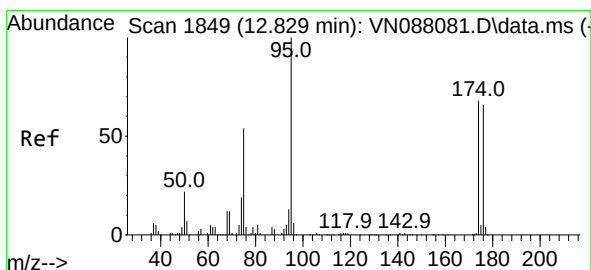
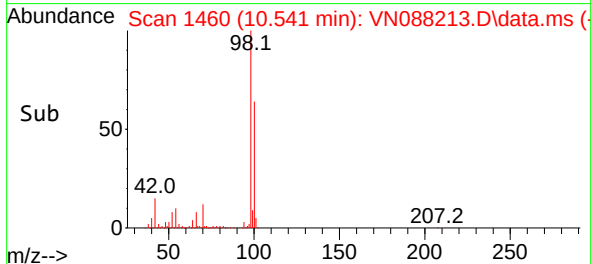
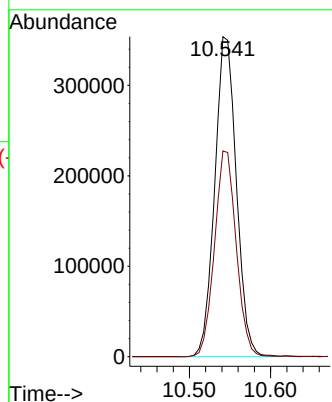
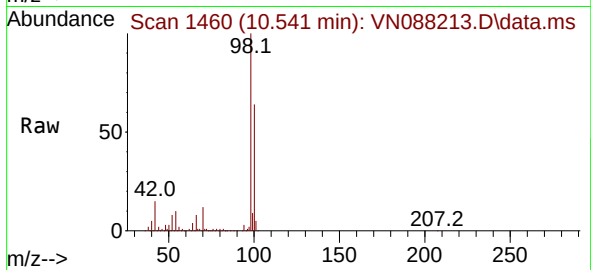




#50
Toluene-d8
Concen: 49.874 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

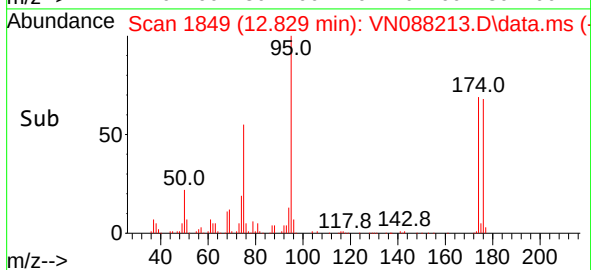
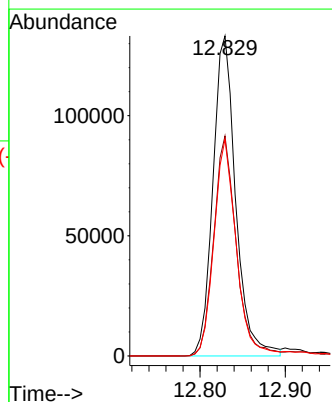
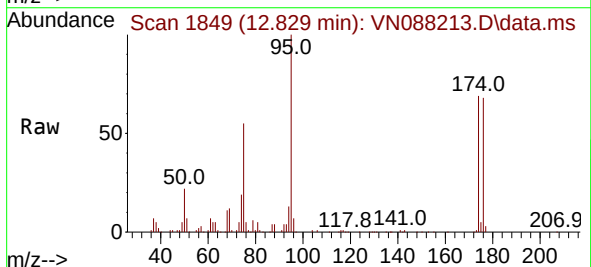
Instrument :
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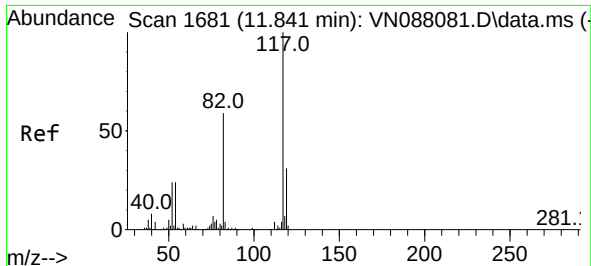
Tgt Ion: 98 Resp: 656522
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.268 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 95 Resp: 247639
Ion Ratio Lower Upper
95 100
174 68.1 0.0 138.4
176 68.3 0.0 132.6

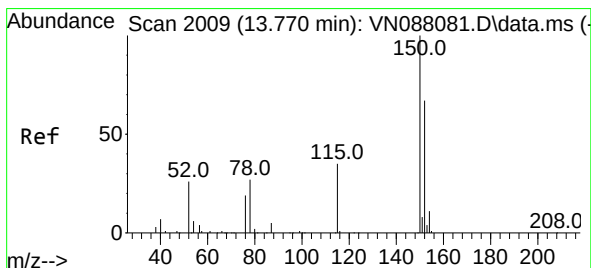
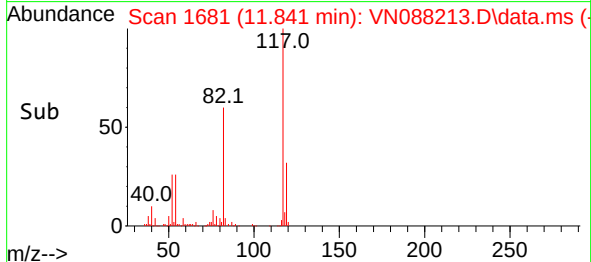
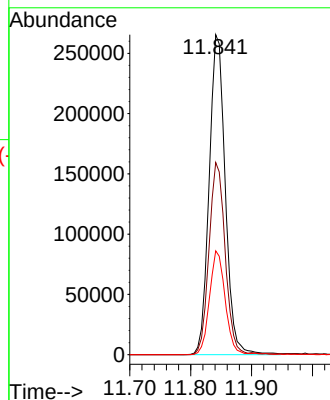
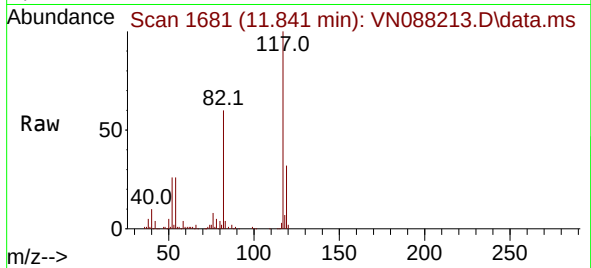




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

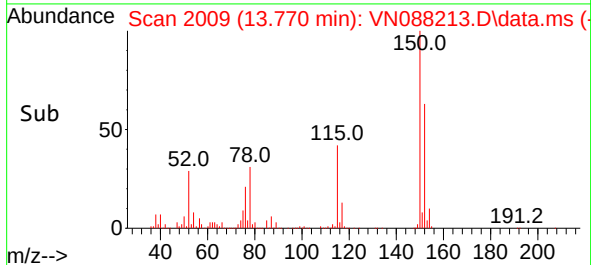
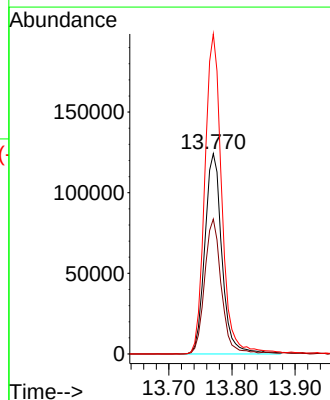
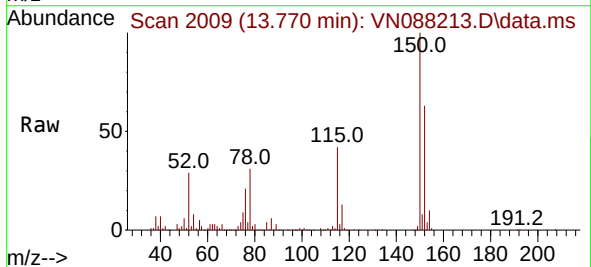
Instrument :
MSVOA_N
ClientSampleId :
SY-10S

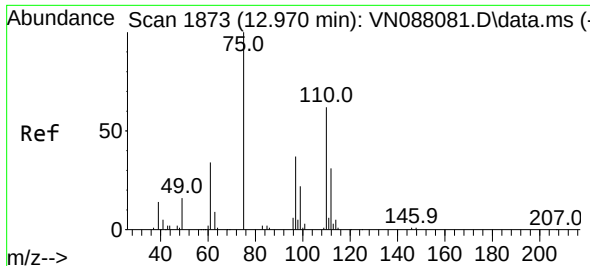
Tgt Ion:117 Resp: 488671
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 32.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion:152 Resp: 234197
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 157.6 0.0 351.0

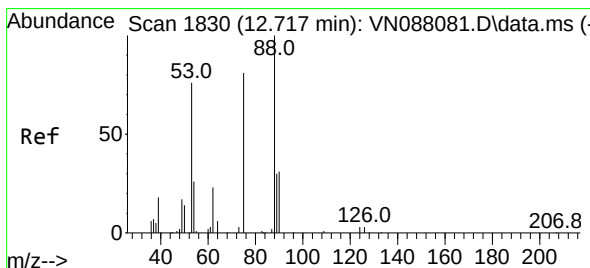
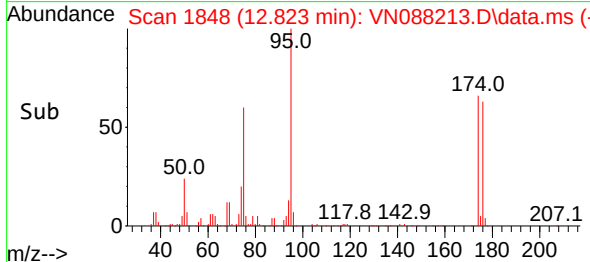
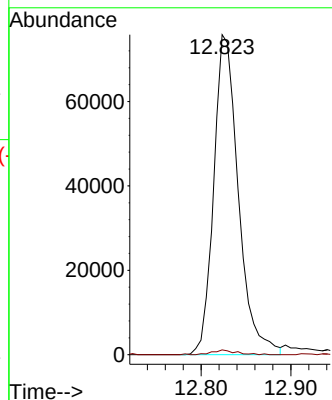
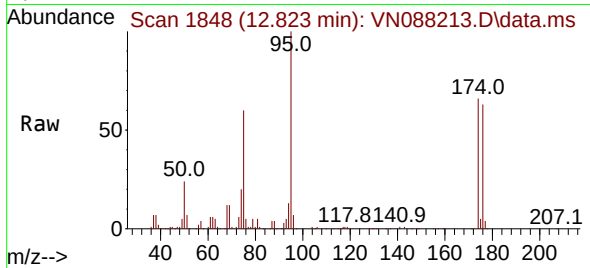




#76
1,2,3-Trichloropropane
Concen: 27.044 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
SY-10S

Tgt Ion: 75 Resp: 144806
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.440 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088213.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 75 Resp: 144806
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#

