

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088388.D
 Acq On : 01 Dec 2025 16:58
 Operator : JC\MD
 Sample : Q3745-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:17:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	164864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	373762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	364230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	171972	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	183192	58.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.980%
35) Dibromofluoromethane	8.147	113	138321	53.403	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.800%
50) Toluene-d8	10.541	98	482238	50.038	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.080%
62) 4-Bromofluorobenzene	12.829	95	175267	53.003	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.000%

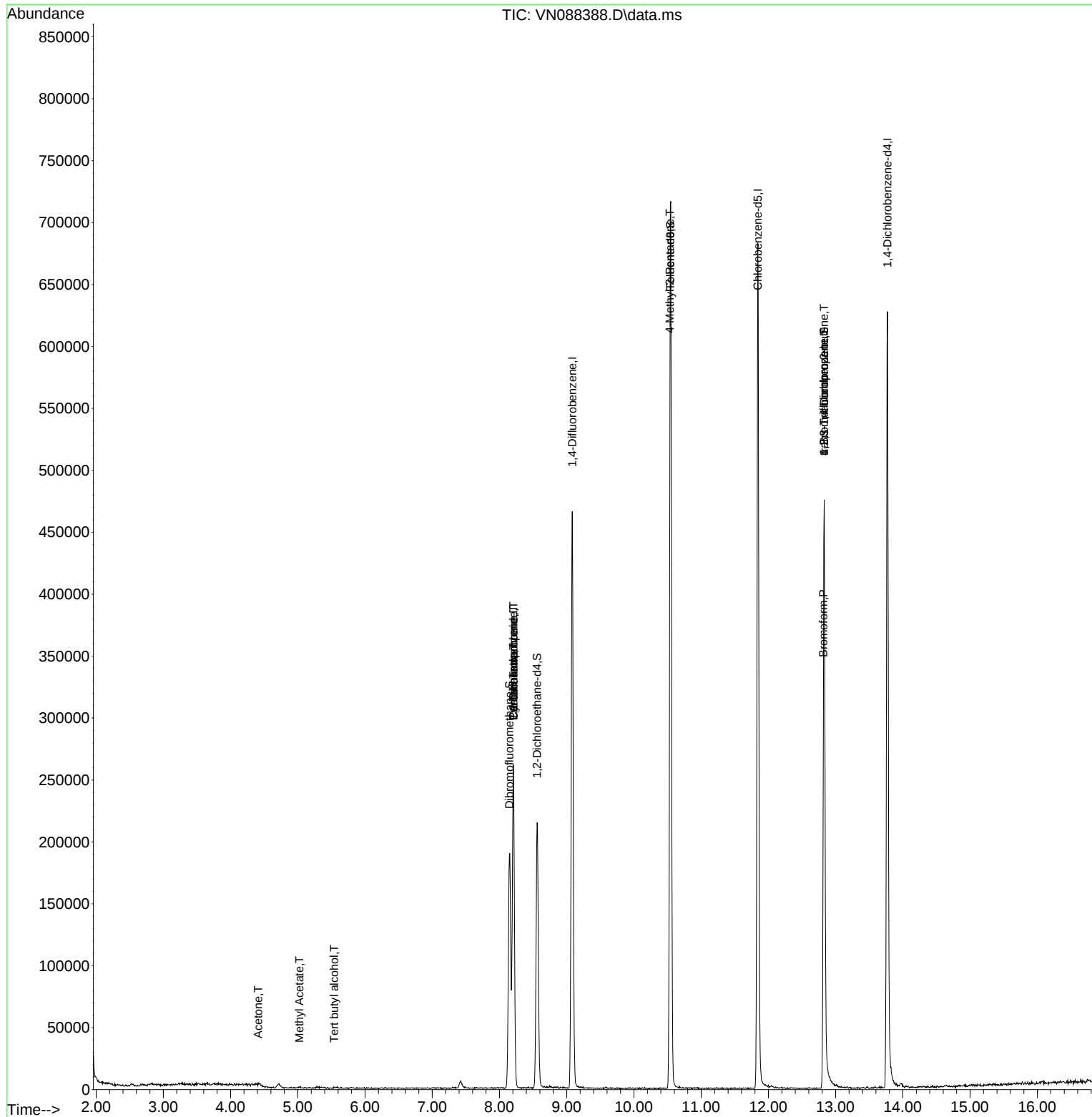
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	102	0.206	ug/l #	72
16) Acetone	4.412	43	2060	1.834	ug/l	96
18) Methyl Acetate	5.024	43	937	0.280	ug/l #	53
31) Cyclohexane	8.206	56	5092	1.247	ug/l #	24
36) 1,1-Dichloropropene	8.206	75	16718	4.182	ug/l #	52
38) Carbon Tetrachloride	8.206	117	19507	4.902	ug/l #	17
51) 4-Methyl-2-Pentanone	10.535	43	2778	0.587	ug/l #	1
71) Bromoform	12.818	173	1357	0.671	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	105622	26.223	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	105622	74.392	ug/l #	1

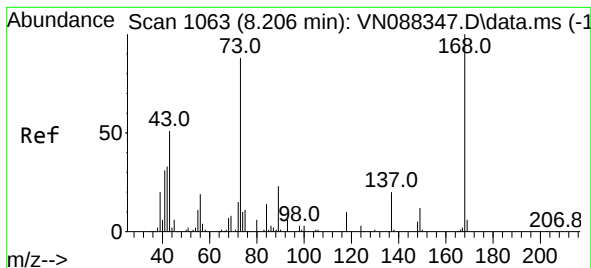
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
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Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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Quant Time: Dec 02 00:17:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

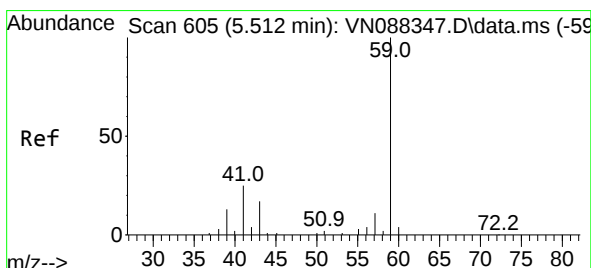
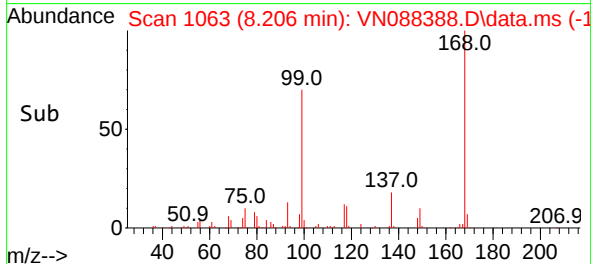
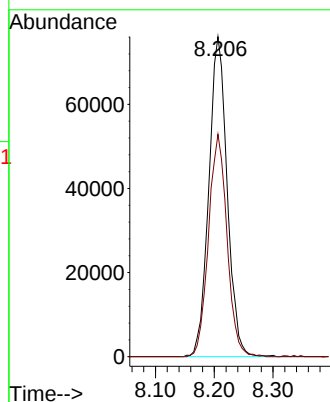
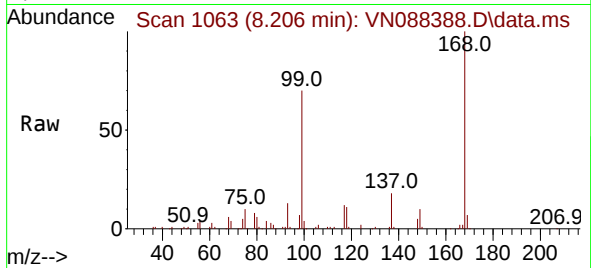




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

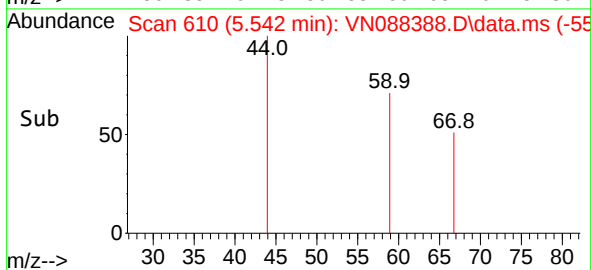
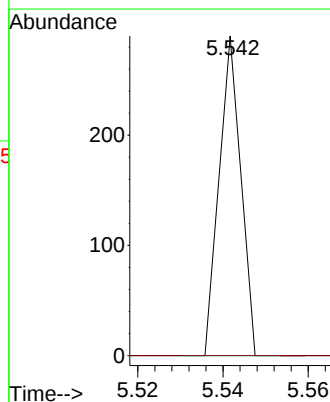
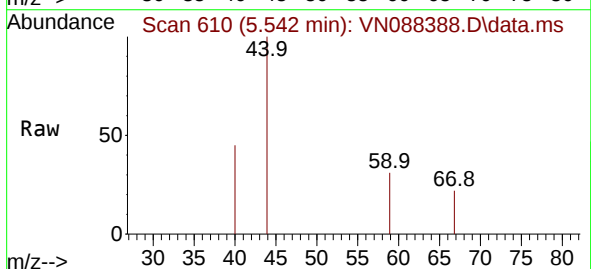
Instrument :
MSVOA_N
ClientSampleId :

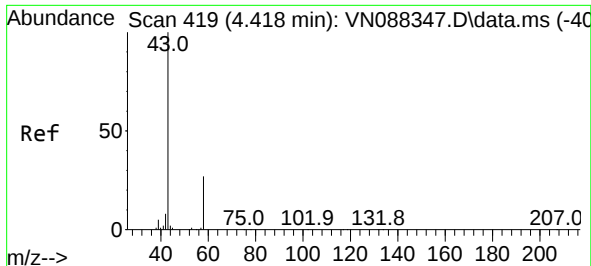
Tgt Ion:168 Resp: 164864
Ion Ratio Lower Upper
168 100
99 69.5 57.1 85.7



#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.030 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Tgt Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

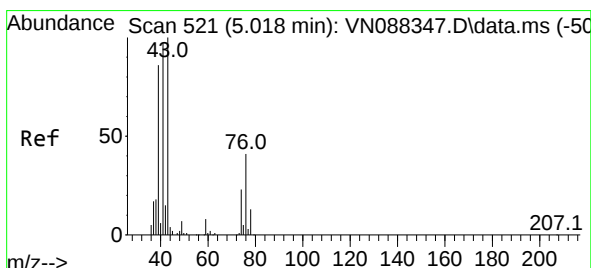
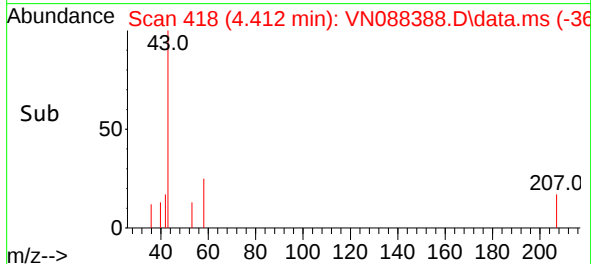
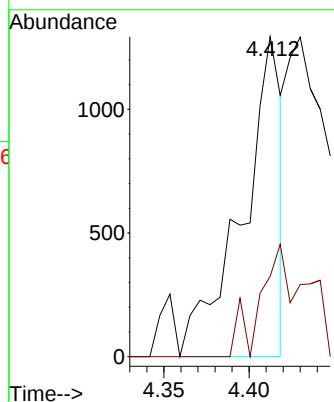
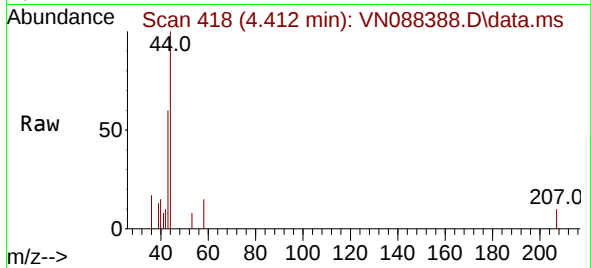




#16
Acetone
Concen: 1.834 ug/l
RT: 4.412 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

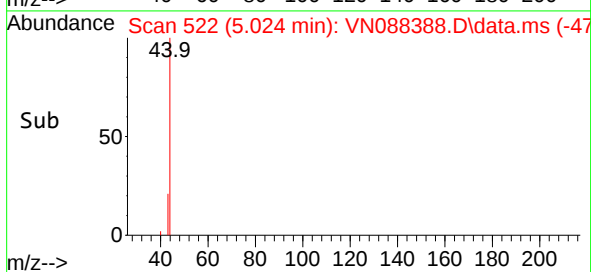
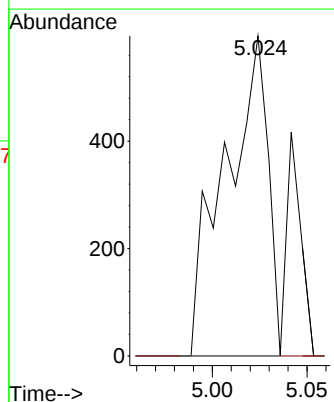
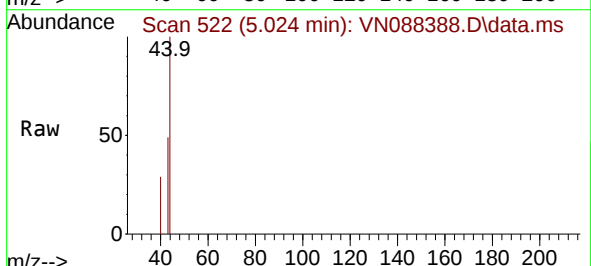
Instrument :
MSVOA_N
ClientSampleId :

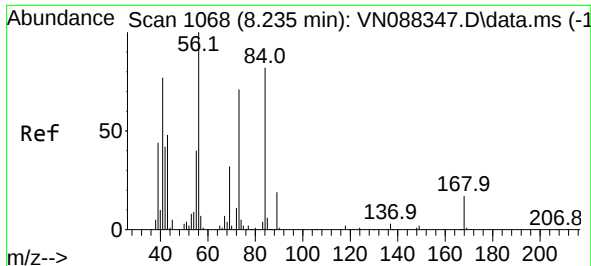
Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
58 25.0 21.7 32.5



#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

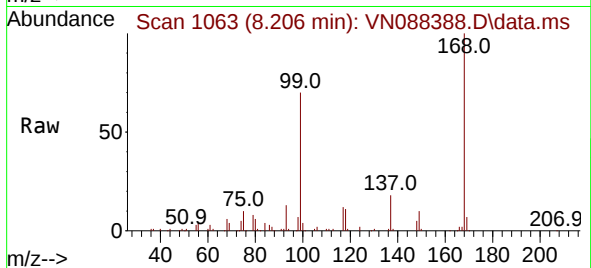
Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



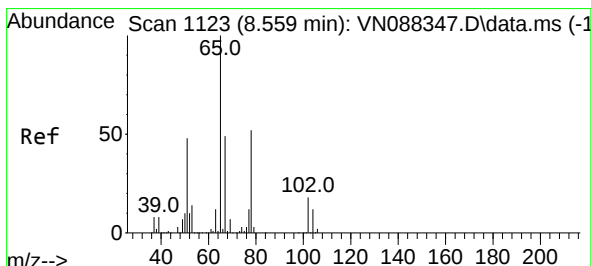
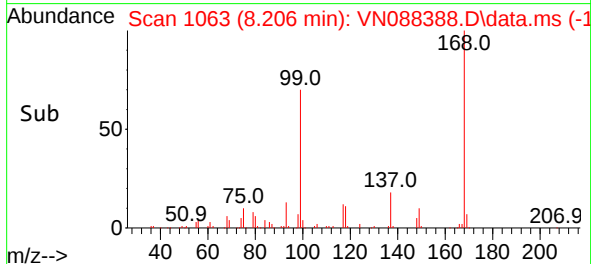
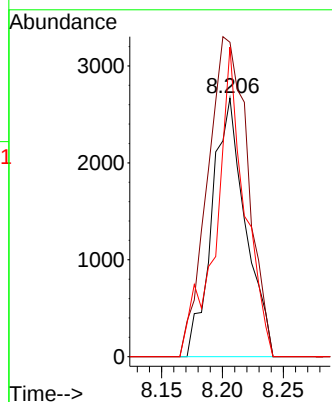


#31
Cyclohexane
Concen: 1.247 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Instrument :
MSVOA_N
ClientSampleId :

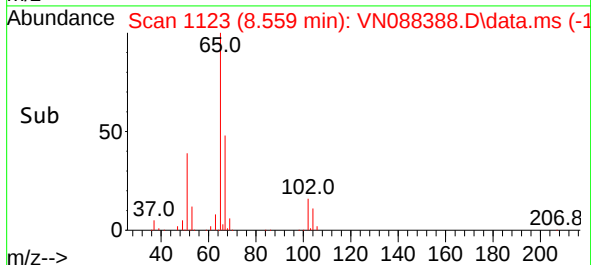
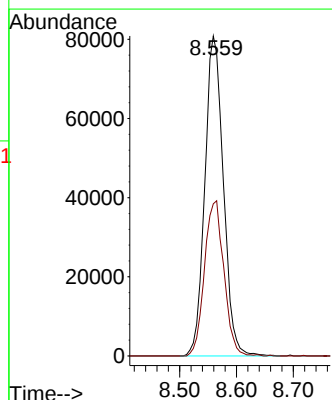
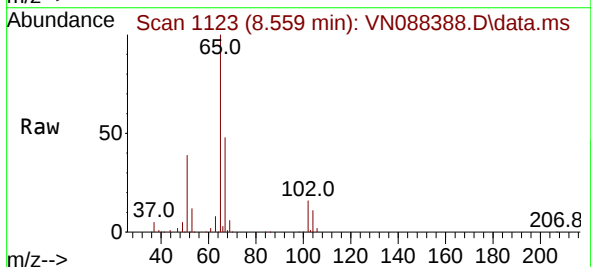


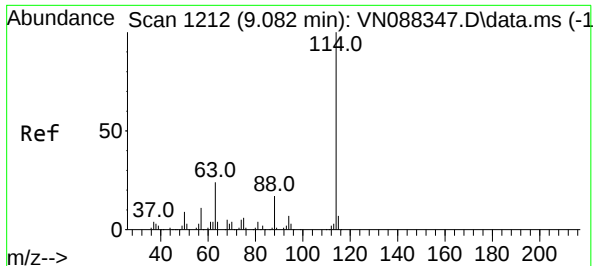
Tgt Ion: 56 Resp: 5092
Ion Ratio Lower Upper
56 100
69 121.6 25.3 37.9#
84 119.8 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 58.986 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Tgt Ion: 65 Resp: 183192
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088388.D

Acq: 01 Dec 2025 16:58

Instrument :

MSVOA_N

ClientSampleId :

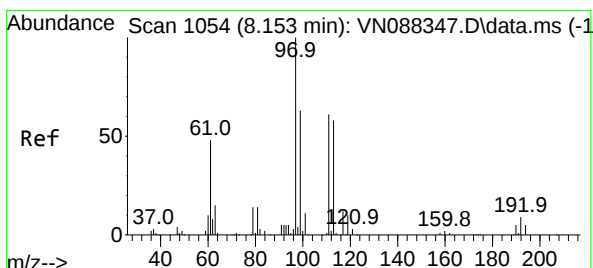
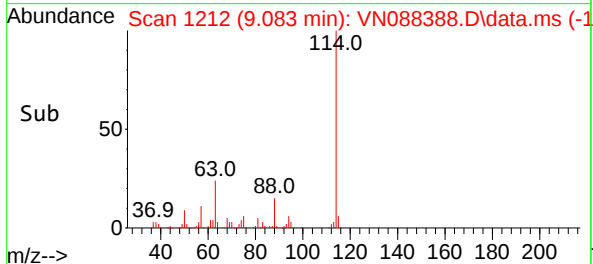
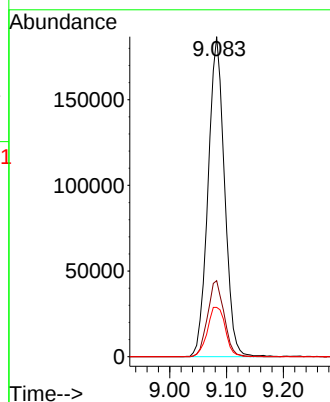
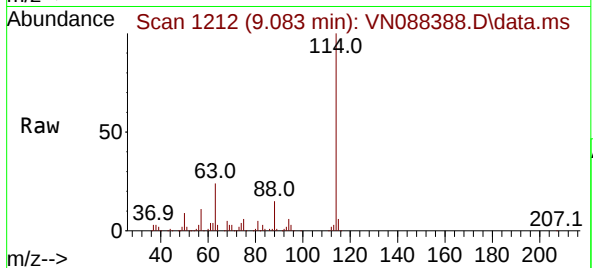
Tgt Ion:114 Resp: 373762

Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.0

88 15.4 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.403 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088388.D

Acq: 01 Dec 2025 16:58

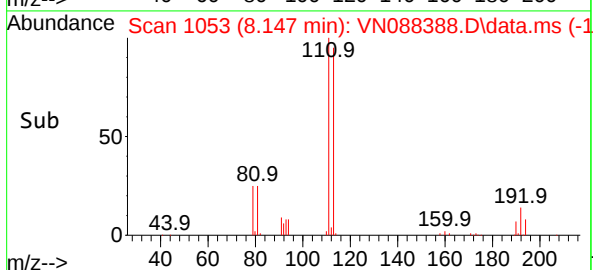
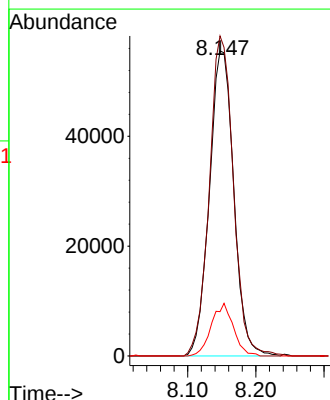
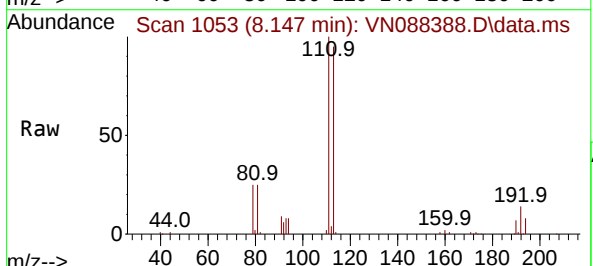
Tgt Ion:113 Resp: 138321

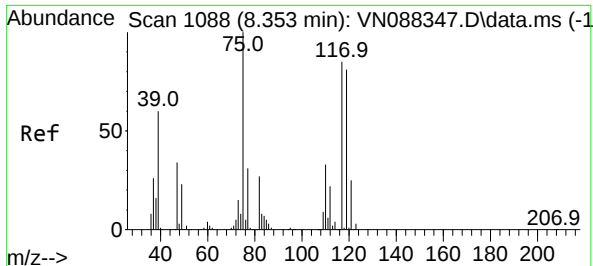
Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 15.7 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.182 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088388.D

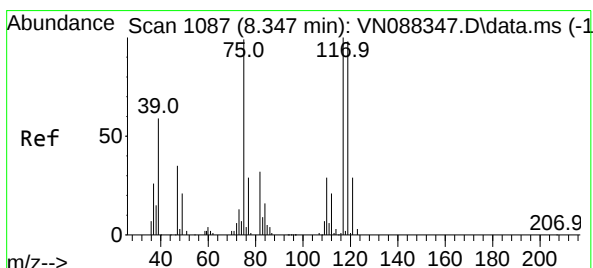
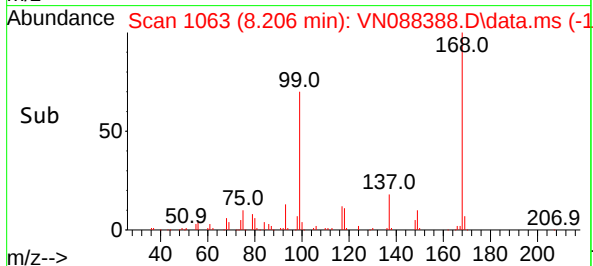
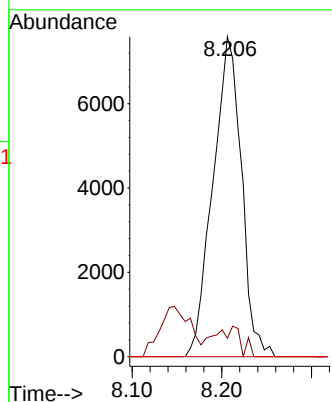
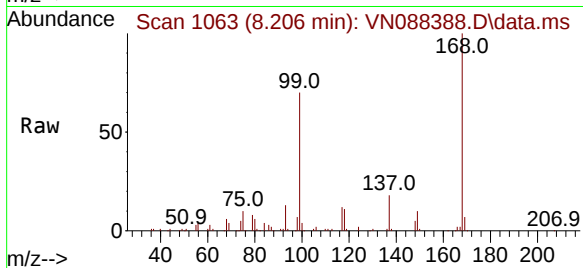
Acq: 01 Dec 2025 16:58

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	16718
Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.8	47.4#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 4.902 ug/l

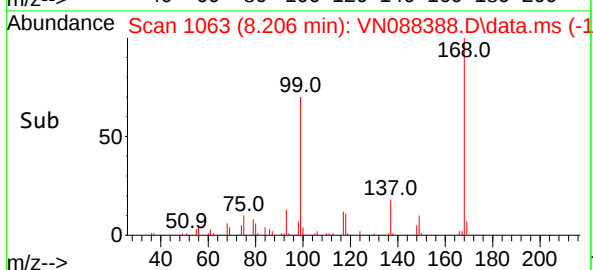
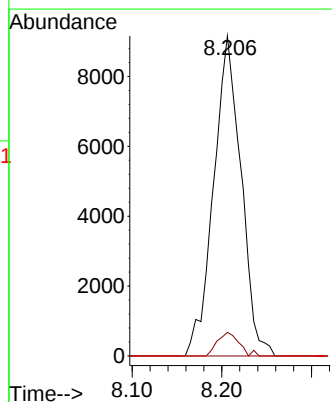
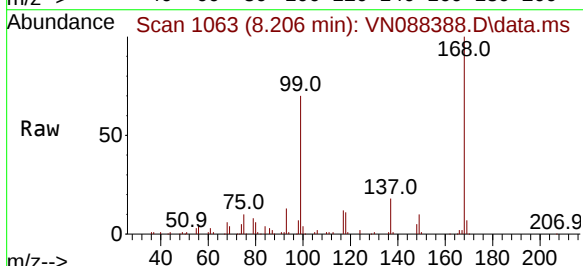
RT: 8.206 min Scan# 1063

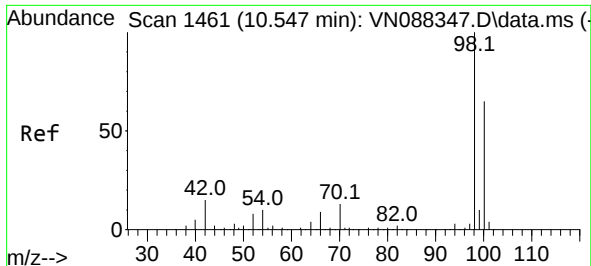
Delta R.T. -0.141 min

Lab File: VN088388.D

Acq: 01 Dec 2025 16:58

Tgt Ion:	117	Resp:	19507
Ion	Ratio	Lower	Upper
117	100		
119	7.3	78.2	117.4#
121	0.0	23.4	35.2#

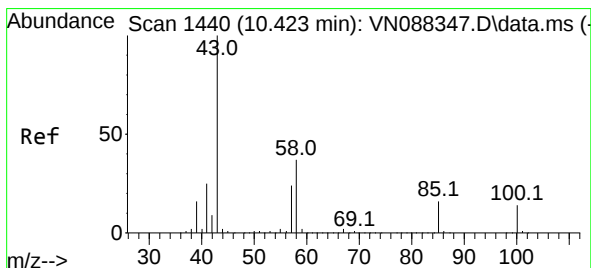
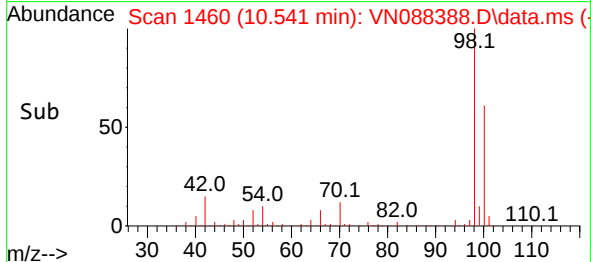
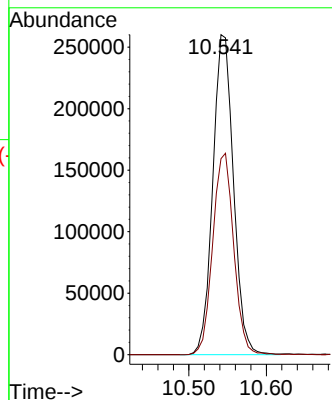
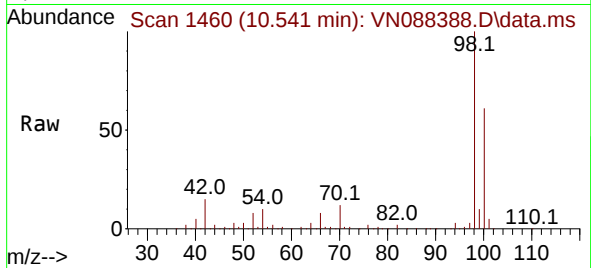




#50
Toluene-d8
Concen: 50.038 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

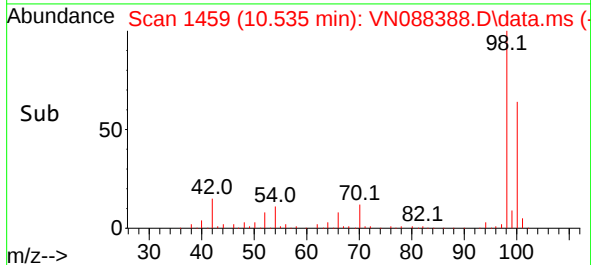
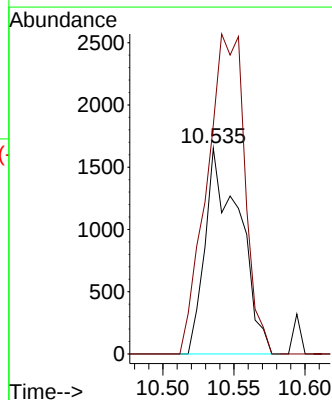
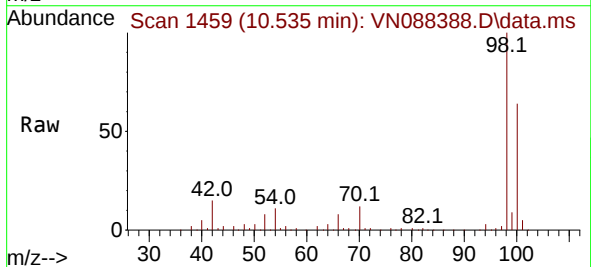
Instrument :
MSVOA_N
ClientSampleId :

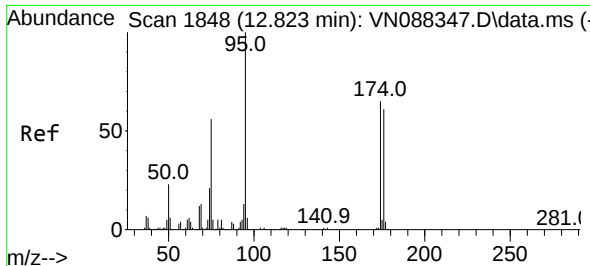
Tgt Ion: 98 Resp: 482238
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.587 ug/l
RT: 10.535 min Scan# 1459
Delta R.T. 0.112 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
58 171.6 29.1 43.7#

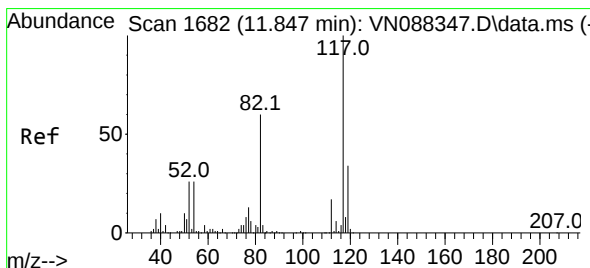
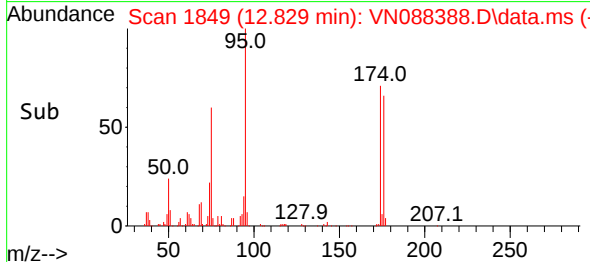
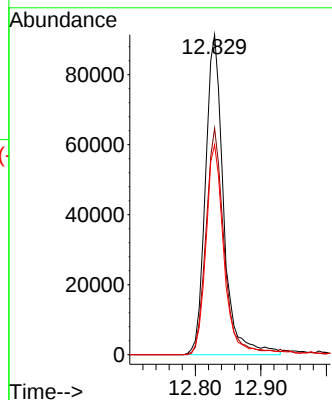
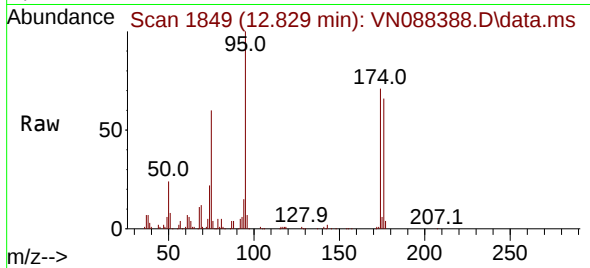




#62
4-Bromofluorobenzene
Concen: 53.003 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

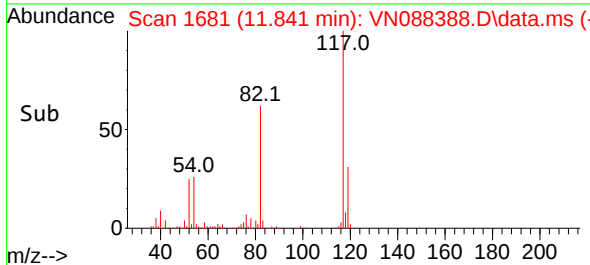
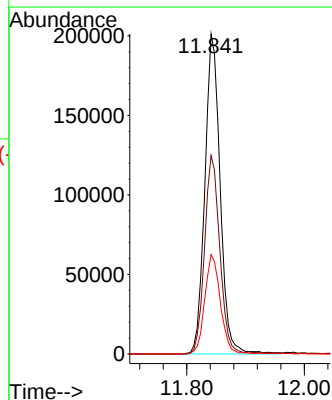
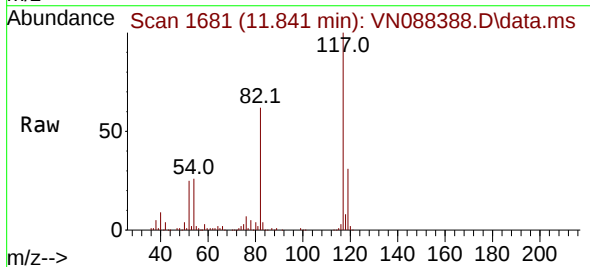
Instrument :
MSVOA_N
ClientSampleId :

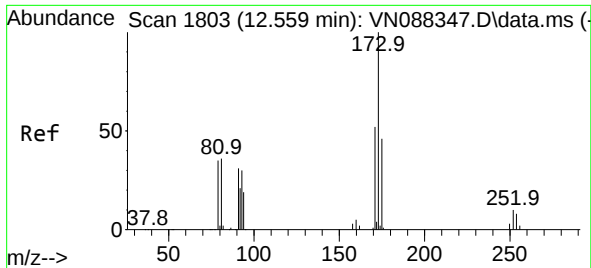
Tgt Ion: 95 Resp: 175267
Ion Ratio Lower Upper
95 100
174 70.3 0.0 139.0
176 66.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Tgt Ion: 117 Resp: 364230
Ion Ratio Lower Upper
117 100
82 62.0 47.8 71.8
119 31.1 26.9 40.3

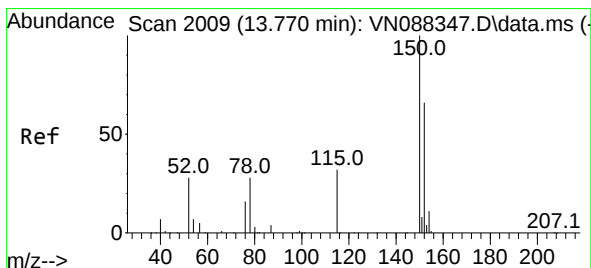
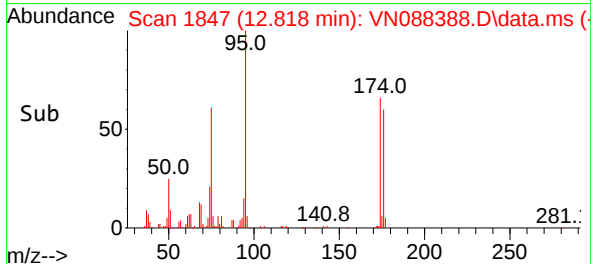
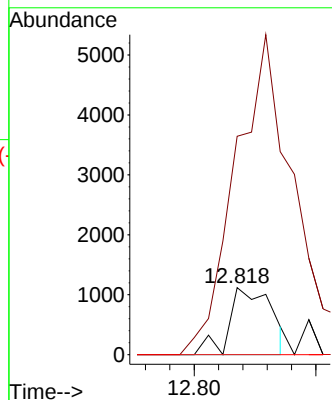
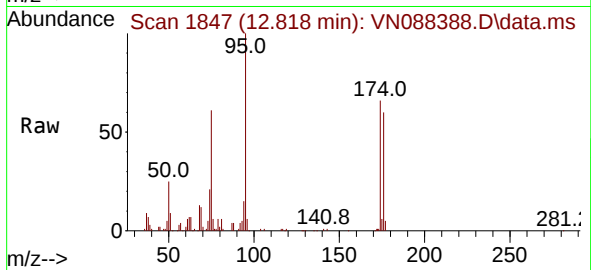




#71
Bromoform
Concen: 0.671 ug/l
RT: 12.818 min Scan# 1803
Delta R.T. 0.259 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

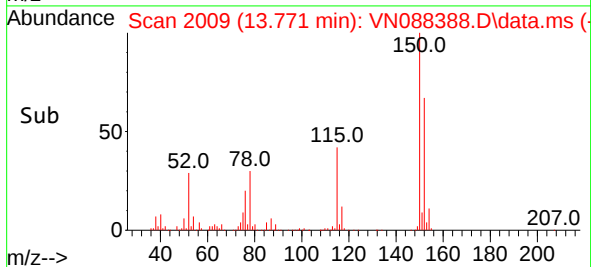
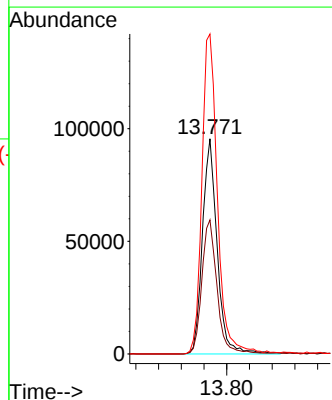
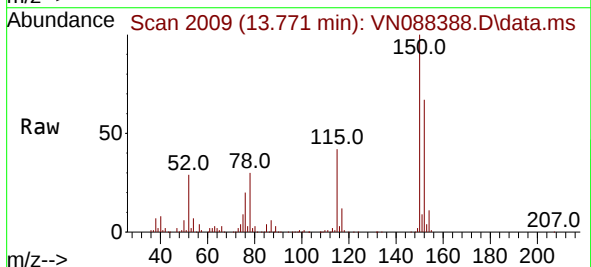
Instrument :
MSVOA_N
ClientSampleId :

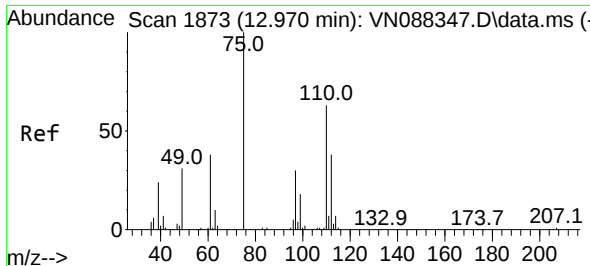
Tgt Ion:173 Resp: 1357
Ion Ratio Lower Upper
173 100
175 490.8 23.9 71.8#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Tgt Ion:152 Resp: 171972
Ion Ratio Lower Upper
152 100
115 64.1 33.0 98.9
150 156.2 0.0 349.0

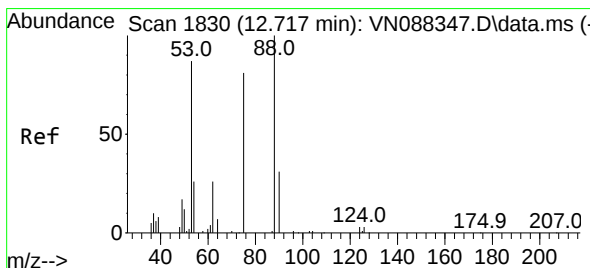
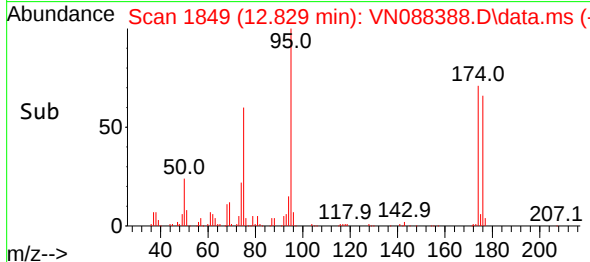
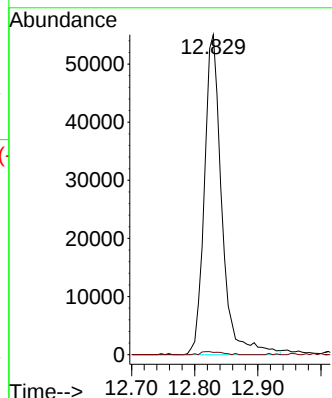
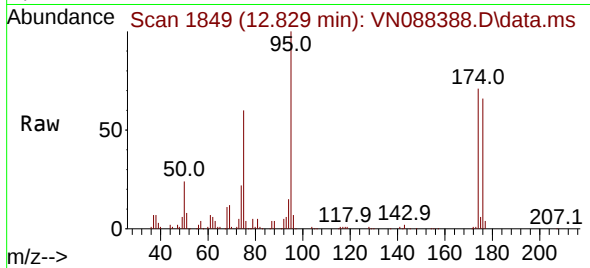




#76
1,2,3-Trichloropropane
Concen: 26.223 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 105622
Ion Ratio Lower Upper
75 100
77 1.1 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.392 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088388.D
Acq: 01 Dec 2025 16:58

Tgt Ion: 75 Resp: 105622
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.0 0.0 0.0

