

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088389.D
 Acq On : 01 Dec 2025 17:18
 Operator : JC\MD
 Sample : Q3743-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:17:47 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	177560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	408212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	395290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	183327	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200978	60.085	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	120.180%
35) Dibromofluoromethane	8.147	113	148235	52.400	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.800%
50) Toluene-d8	10.541	98	527906	50.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.300%
62) 4-Bromofluorobenzene	12.829	95	193240	53.506	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.020%

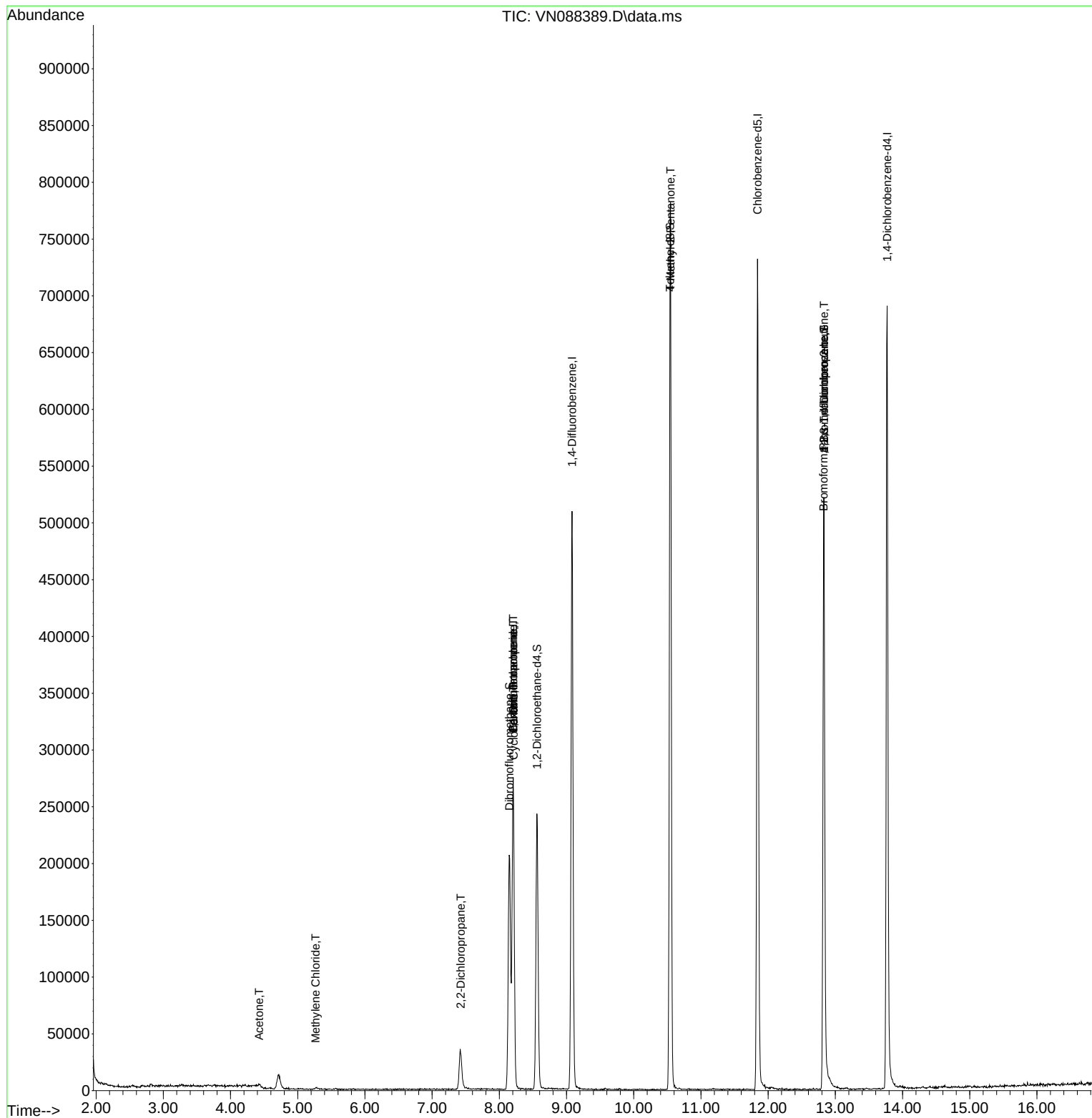
Target Compounds					Qvalue	
16) Acetone	4.424	43	6046	4.998	ug/l #	79
20) Methylene Chloride	5.265	84	679	0.262	ug/l #	83
26) 2,2-Dichloropropane	7.424	77	1780	0.425	ug/l #	56
31) Cyclohexane	8.212	56	5848	1.329	ug/l #	34
36) 1,1-Dichloropropene	8.206	75	18655	4.273	ug/l #	49
38) Carbon Tetrachloride	8.206	117	21367	4.916	ug/l #	17
51) 4-Methyl-2-Pentanone	10.547	43	3253	0.629	ug/l #	1
71) Bromoform	12.824	173	670	0.305	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	110744	25.791	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	110744	73.169	ug/l #	1

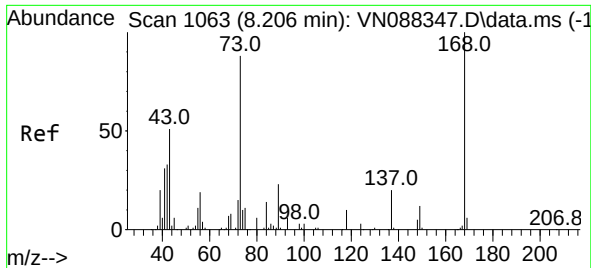
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

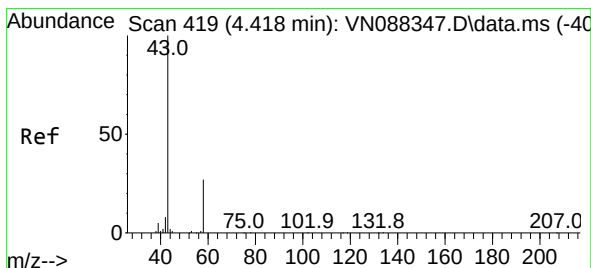
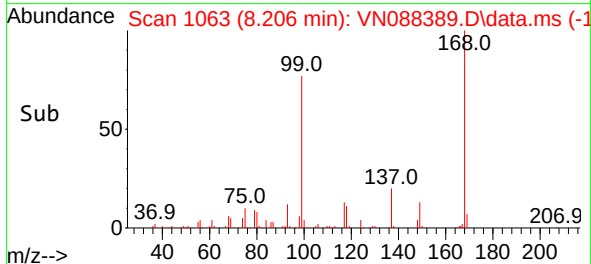
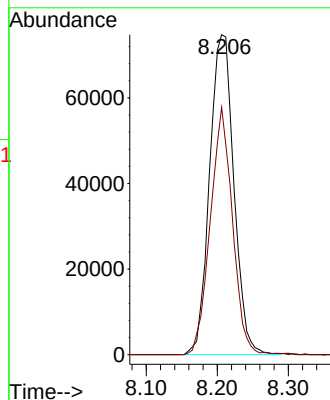
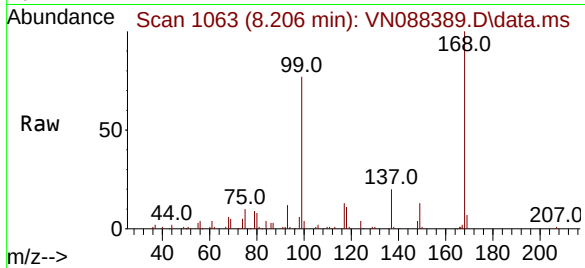




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

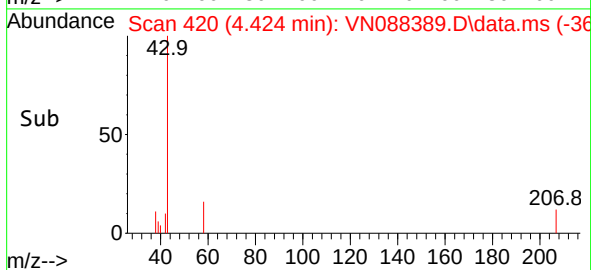
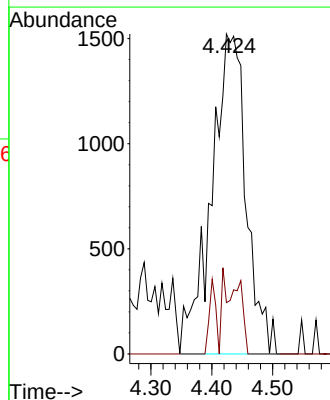
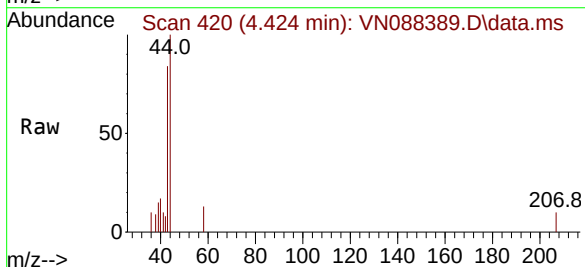
Instrument :
MSVOA_N
ClientSampleId :

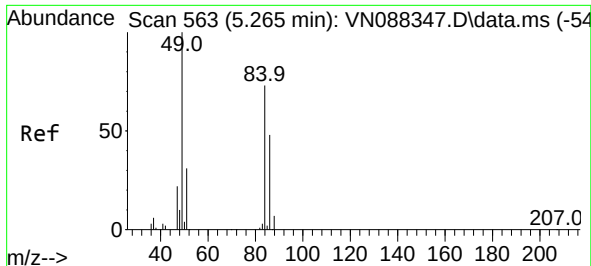
Tgt Ion:168 Resp: 177560
Ion Ratio Lower Upper
168 100
99 77.3 57.1 85.7



#16
Acetone
Concen: 4.998 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Tgt Ion: 43 Resp: 6046
Ion Ratio Lower Upper
43 100
58 16.0 21.7 32.5#





#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 5.265 min Scan# 51

Delta R.T. 0.000 min

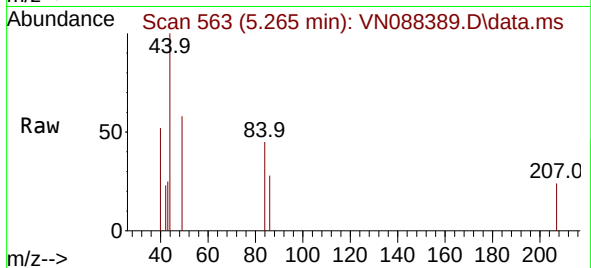
Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 679

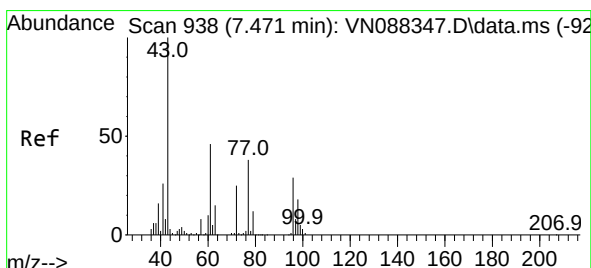
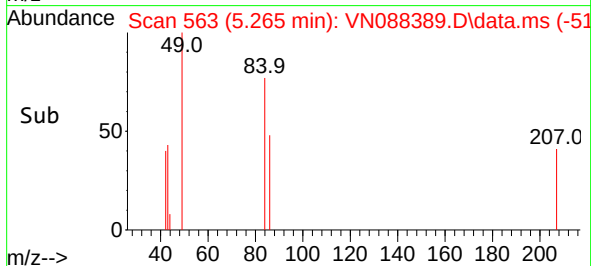
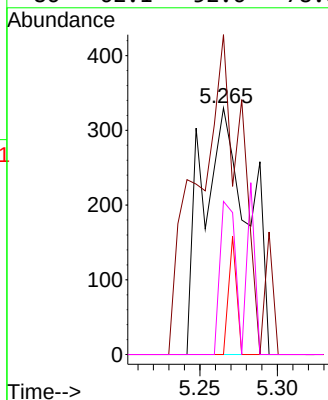
Ion Ratio Lower Upper

84 100

49 129.7 110.2 165.2

51 0.0 34.1 51.1#

86 62.1 52.6 78.8



#26

2,2-Dichloropropane

Concen: 0.425 ug/l

RT: 7.424 min Scan# 930

Delta R.T. -0.047 min

Lab File: VN088389.D

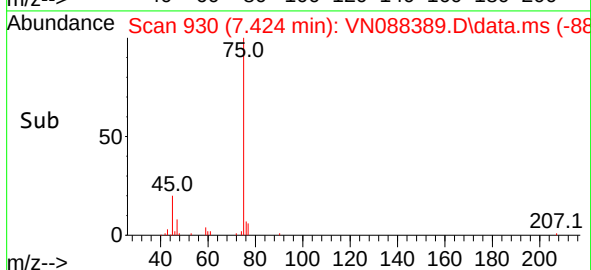
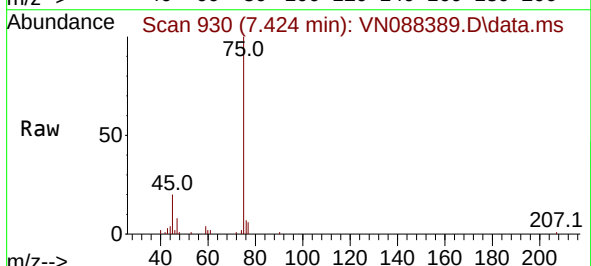
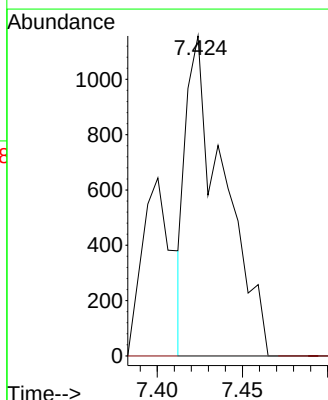
Acq: 01 Dec 2025 17:18

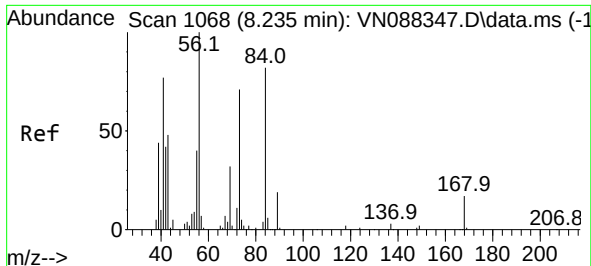
Tgt Ion: 77 Resp: 1780

Ion Ratio Lower Upper

77 100

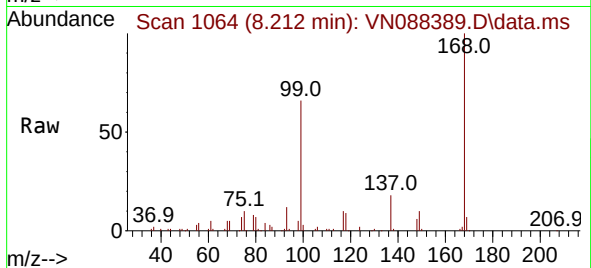
97 0.0 10.3 30.9#



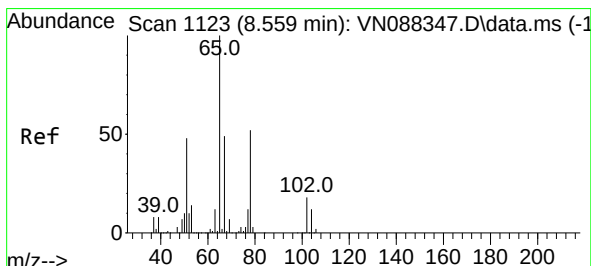
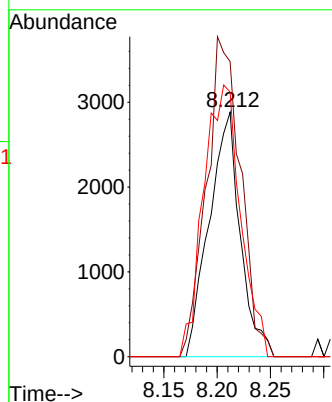
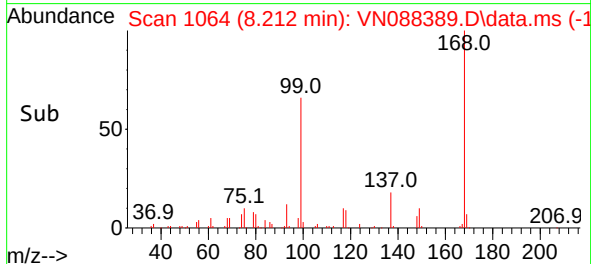


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.023 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :

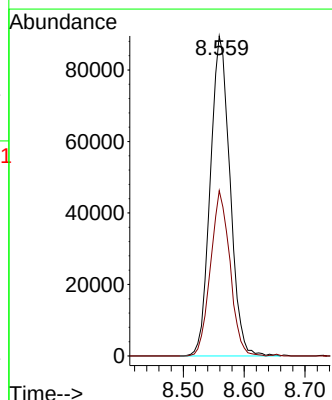
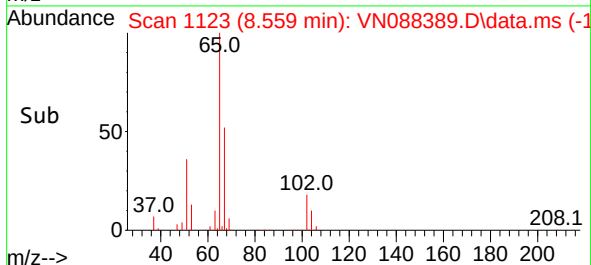
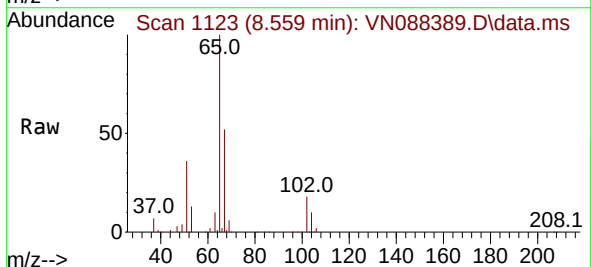


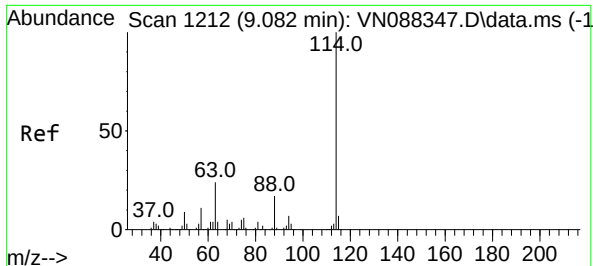
Tgt Ion: 56 Resp: 5848
Ion Ratio Lower Upper
56 100
69 120.8 25.3 37.9#
84 108.3 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 60.085 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Tgt Ion: 65 Resp: 200978
Ion Ratio Lower Upper
65 100
67 50.9 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: VN088389.D

Acq: 01 Dec 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

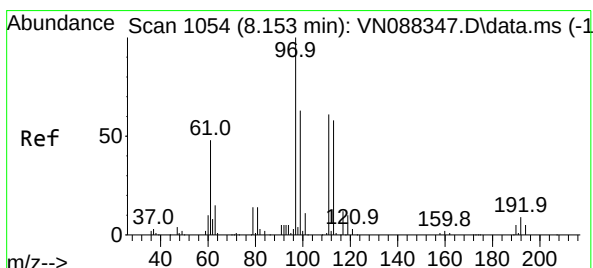
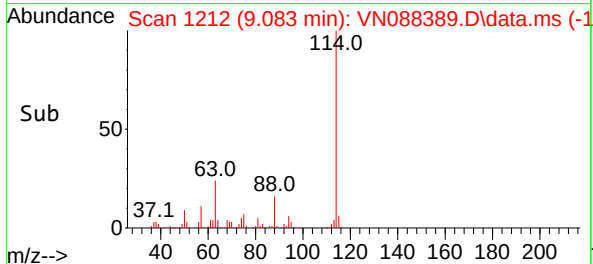
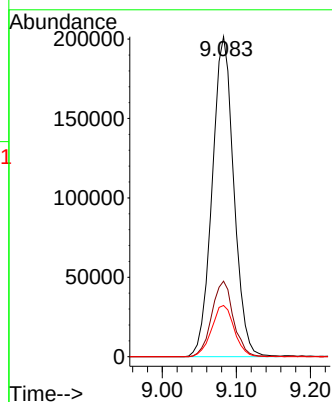
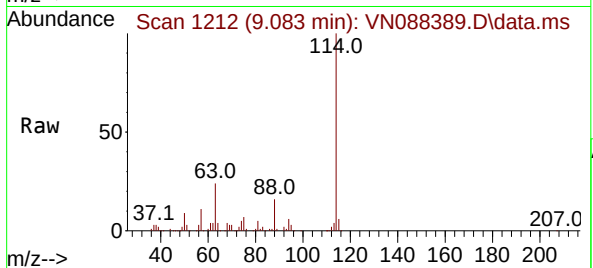
Tgt Ion:114 Resp: 408212

Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.0

88 16.0 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.400 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

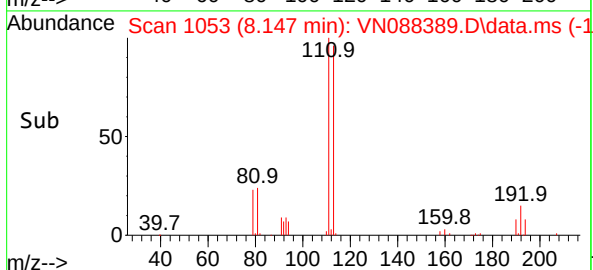
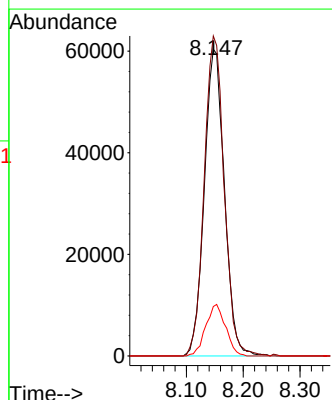
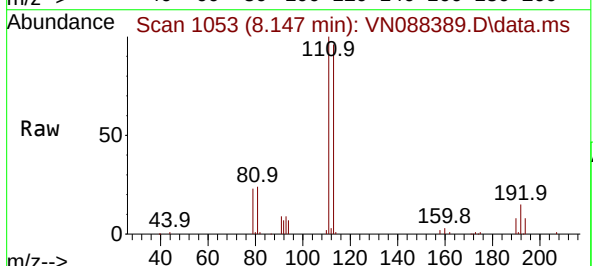
Tgt Ion:113 Resp: 148235

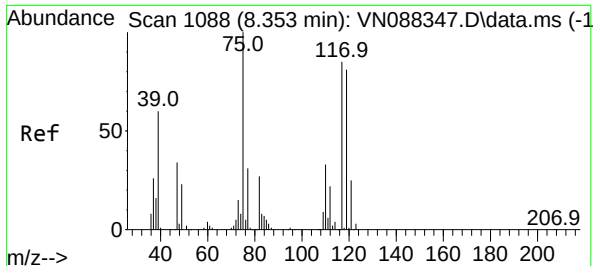
Ion Ratio Lower Upper

113 100

111 103.3 82.5 123.7

192 16.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.273 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088389.D

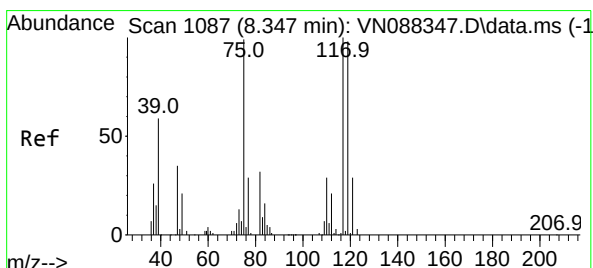
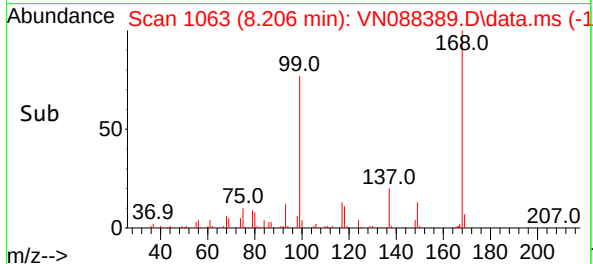
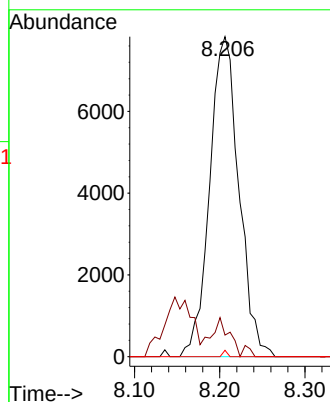
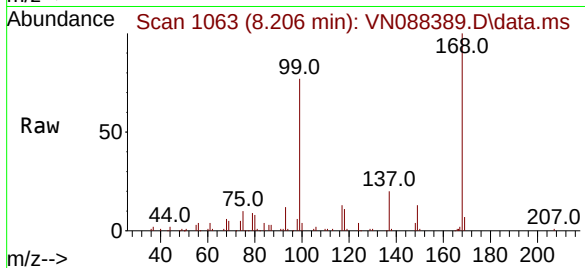
Acq: 01 Dec 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	18655
Ion	Ratio	Lower	Upper
75	100		
110	5.8	15.8	47.4#
77	0.3	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 4.916 ug/l

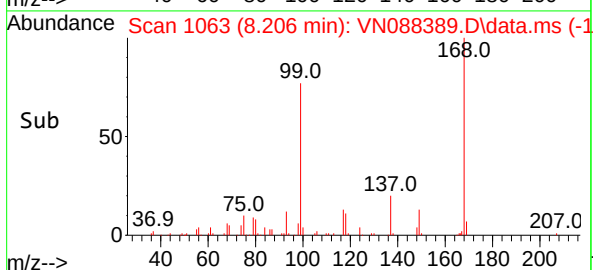
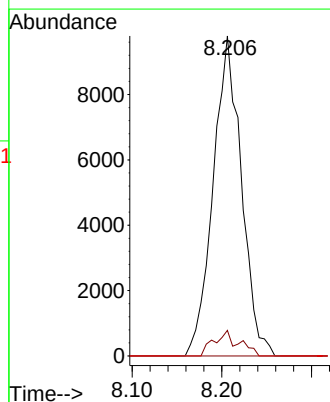
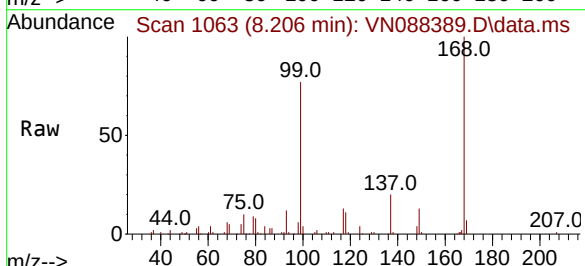
RT: 8.206 min Scan# 1063

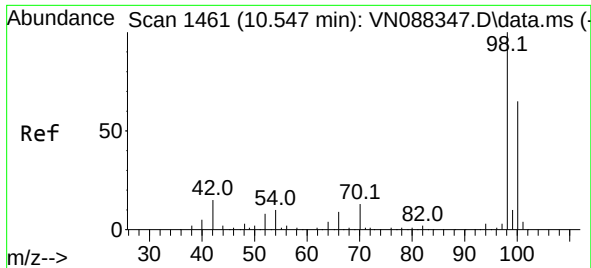
Delta R.T. -0.141 min

Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

Tgt Ion:	117	Resp:	21367
Ion	Ratio	Lower	Upper
117	100		
119	8.0	78.2	117.4#
121	0.0	23.4	35.2#

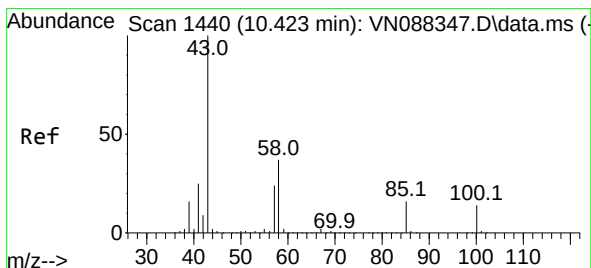
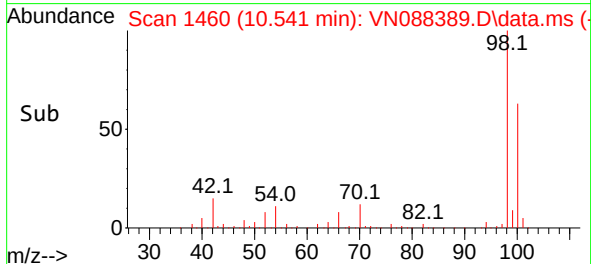
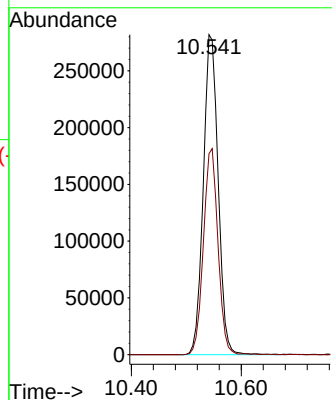
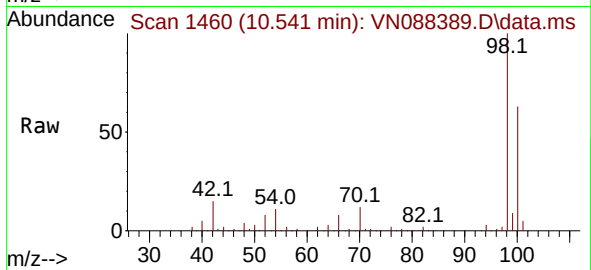




#50
Toluene-d8
Concen: 50.154 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

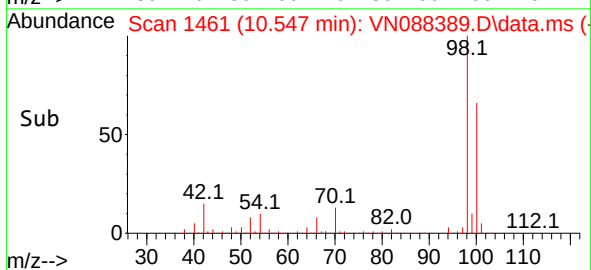
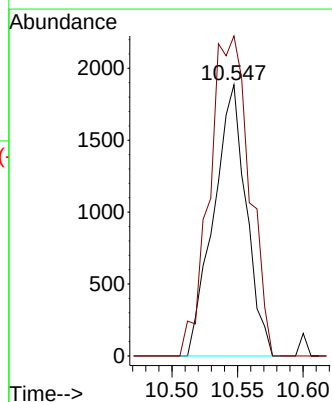
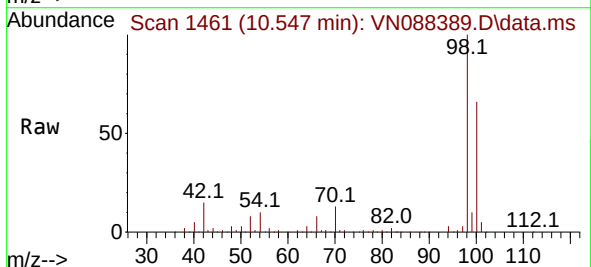
Instrument :
MSVOA_N
ClientSampleId :

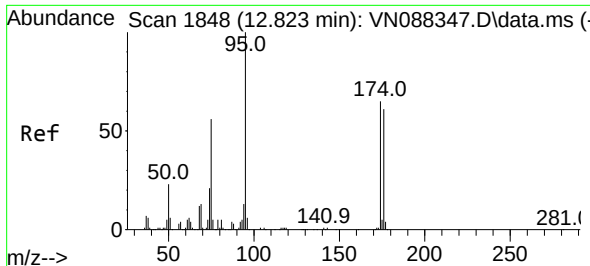
Tgt Ion: 98 Resp: 527906
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.629 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.124 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Tgt Ion: 43 Resp: 3253
Ion Ratio Lower Upper
43 100
58 144.9 29.1 43.7#

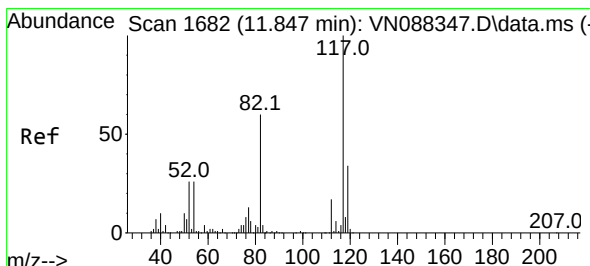
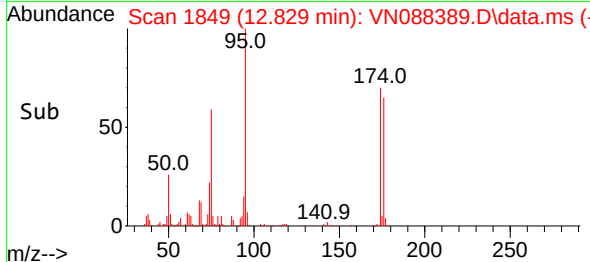
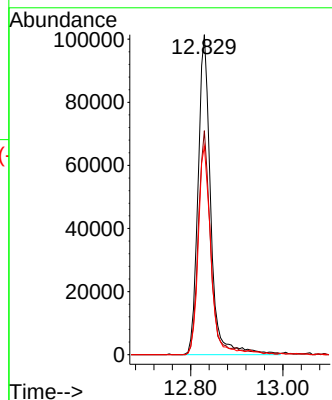
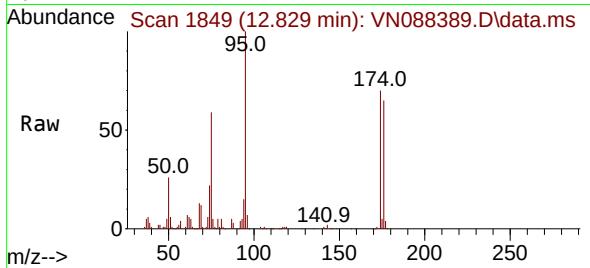




#62
4-Bromofluorobenzene
Concen: 53.506 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

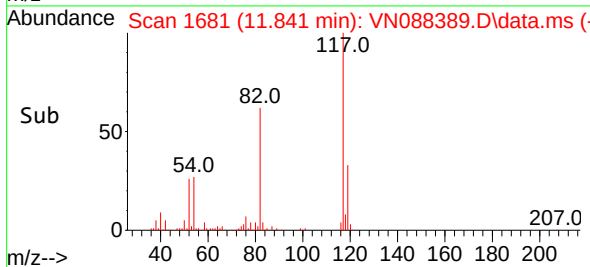
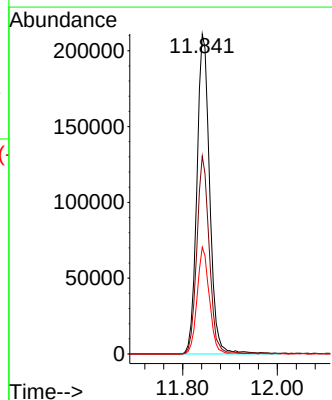
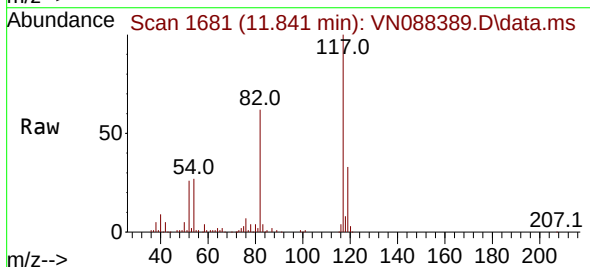
Instrument :
MSVOA_N
ClientSampleId :

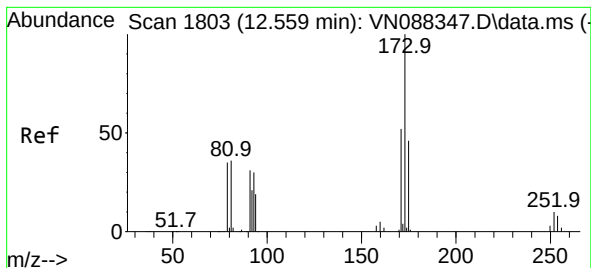
Tgt Ion: 95 Resp: 193240
Ion Ratio Lower Upper
95 100
174 69.6 0.0 139.0
176 64.8 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088389.D
Acq: 01 Dec 2025 17:18

Tgt Ion: 117 Resp: 395290
Ion Ratio Lower Upper
117 100
82 61.9 47.8 71.8
119 33.4 26.9 40.3





#71

Bromoform

Concen: 0.305 ug/l

RT: 12.824 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

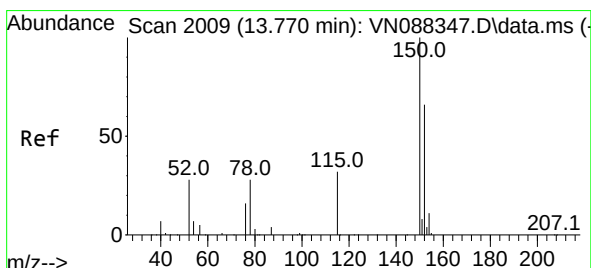
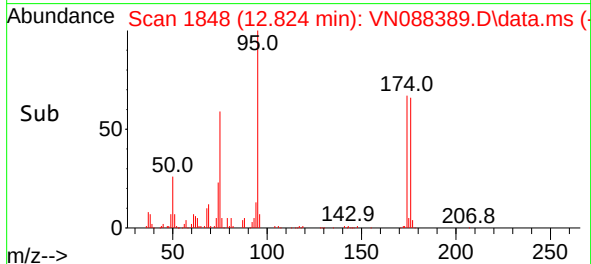
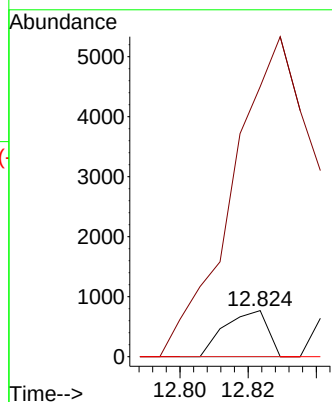
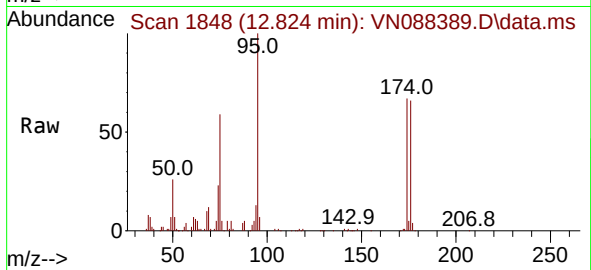
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 670

Ion	Ratio	Lower	Upper
173	100		
175	1107.2	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

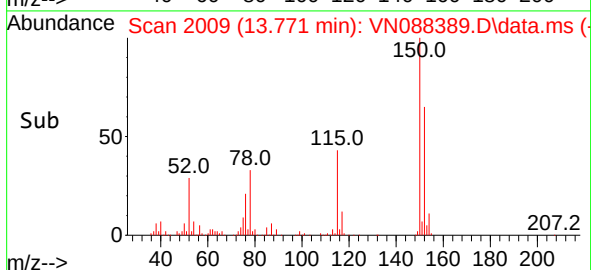
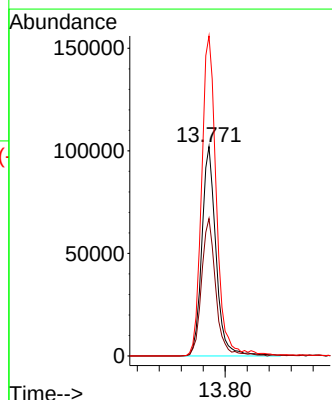
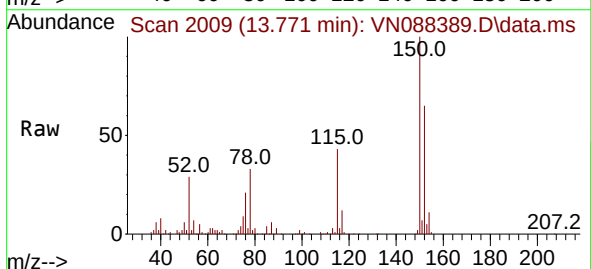
Delta R.T. 0.000 min

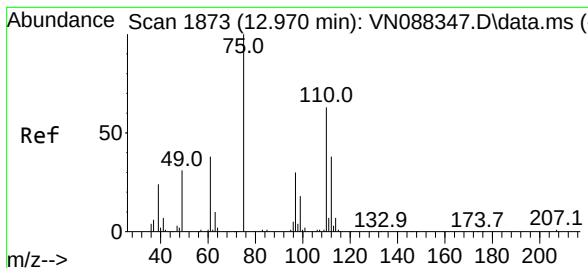
Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

Tgt Ion:152 Resp: 183327

Ion	Ratio	Lower	Upper
152	100		
115	65.9	33.0	98.9
150	159.1	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 25.791 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

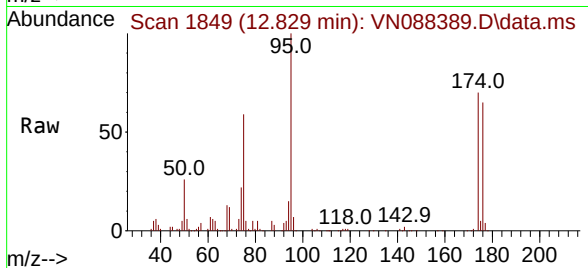
Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

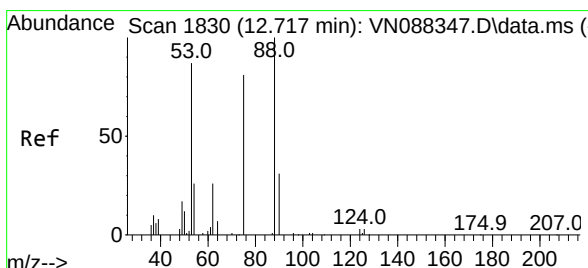
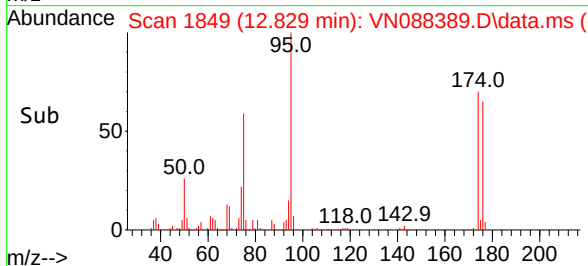
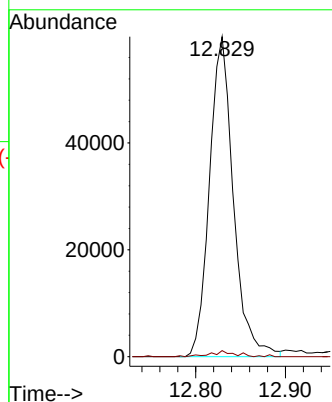


Tgt Ion: 75 Resp: 110744

Ion Ratio Lower Upper

75 100

77 1.8 87.2 261.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.169 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN088389.D

Acq: 01 Dec 2025 17:18

Tgt Ion: 75 Resp: 110744

Ion Ratio Lower Upper

75 100

53 0.3 92.2 138.4#

89 0.0 0.0 0.0

