

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087228.D
 Acq On : 27 Jun 2025 17:21
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 27 23:48:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	147963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	297512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133572	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125449	58.915	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.820%
35) Dibromofluoromethane	8.177	113	97506	50.693	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.380%
50) Toluene-d8	10.565	98	391462	49.208	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.420%
62) 4-Bromofluorobenzene	12.847	95	134856	48.854	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.700%

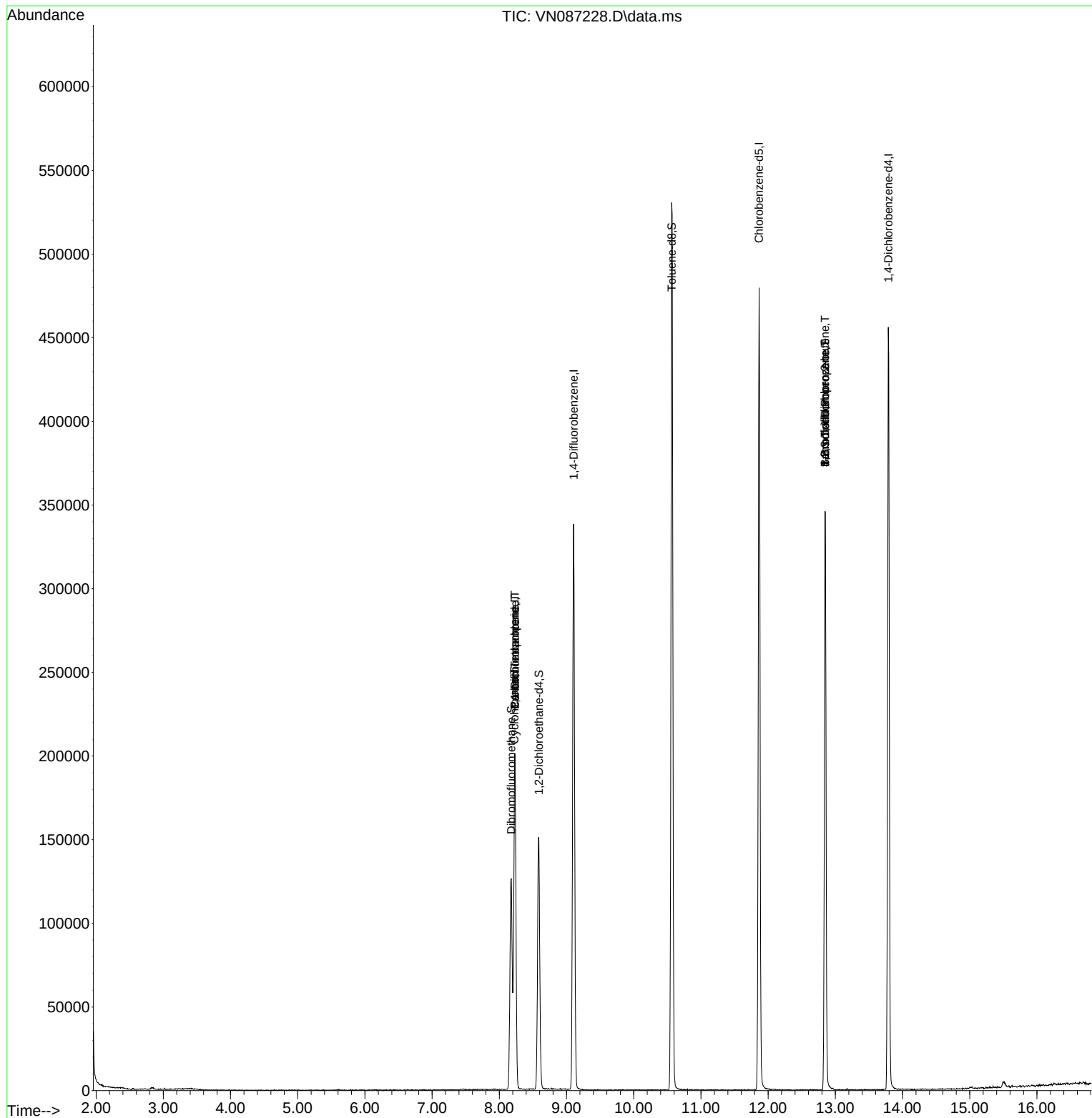
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.453	43	71	Below Cal	#	42
17) Carbon Disulfide	4.736	76	62	Below Cal	#	76
20) Methylene Chloride	5.300	84	72	Below Cal	#	8
31) Cyclohexane	8.224	56	3193	0.969	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12759	4.529	ug/l #	49
38) Carbon Tetrachloride	8.230	117	15928	5.805	ug/l #	15
51) 4-Methyl-2-Pentanone	10.559	43	1420	Below Cal	#	1
71) Bromoform	12.847	173	640	0.424	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67009	22.485	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67009	50.465	ug/l #	13

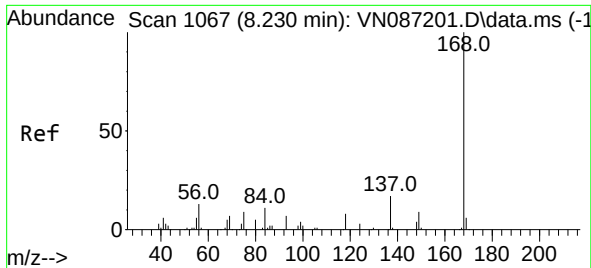
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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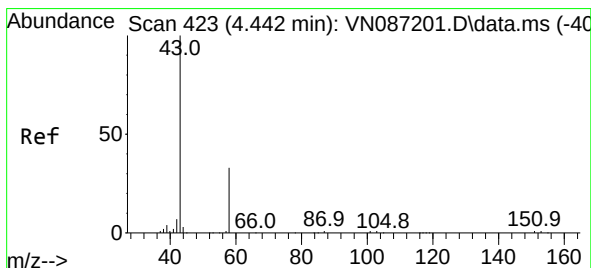
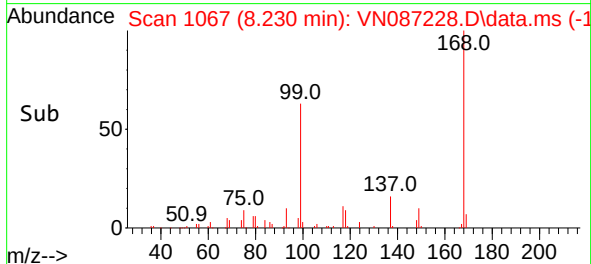
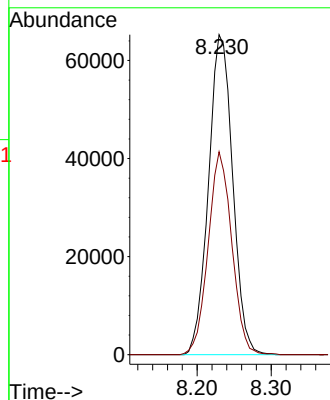
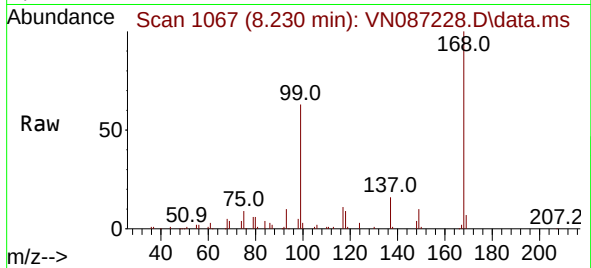




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

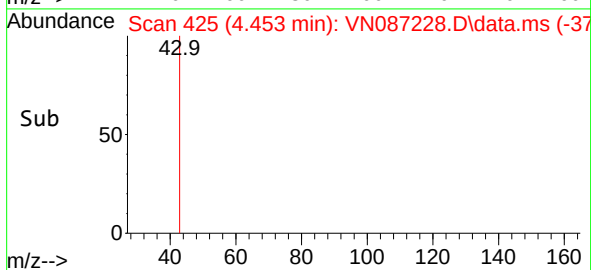
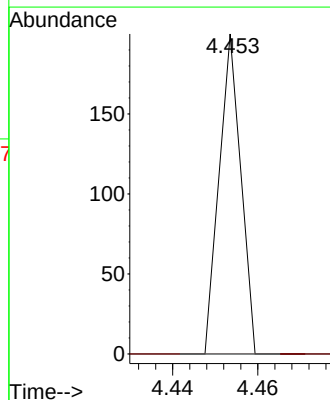
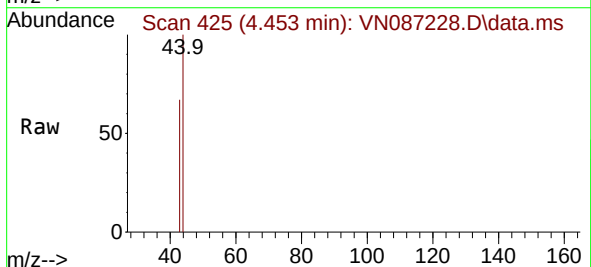
Instrument :
MSVOA_N
ClientSampleId :
IBLK

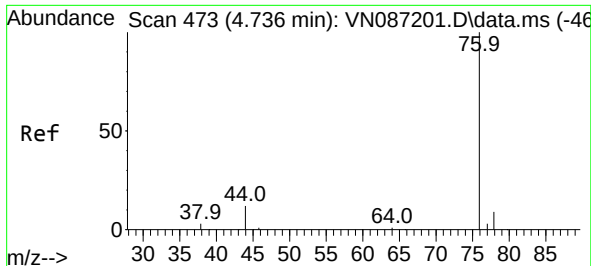
Tgt Ion:168 Resp: 147963
Ion Ratio Lower Upper
168 100
99 63.4 47.9 71.9



#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

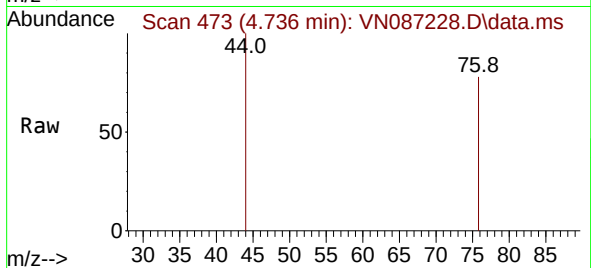
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#



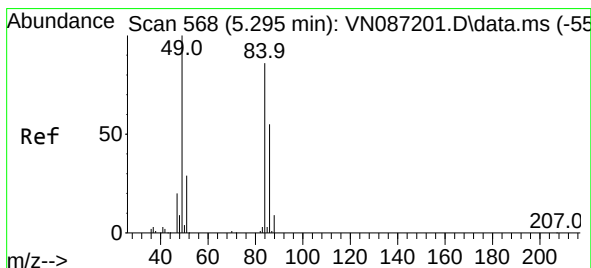
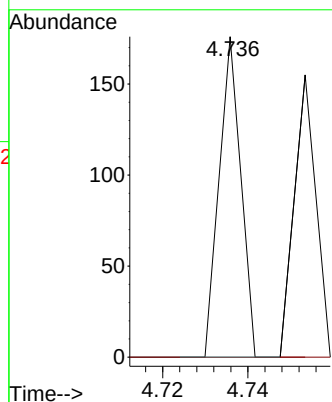
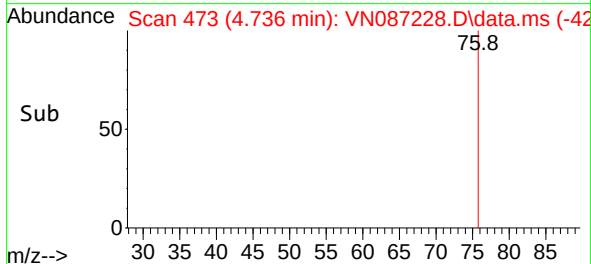


#17
Carbon Disulfide
Concen: Below Cal
RT: 4.736 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

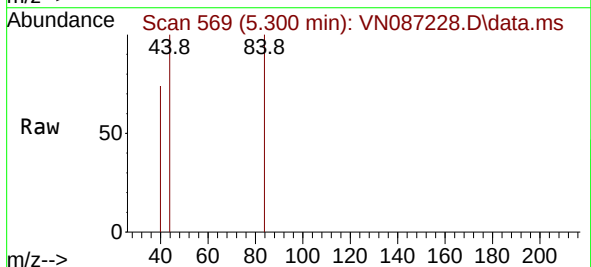
Instrument :
MSVOA_N
ClientSampleId :
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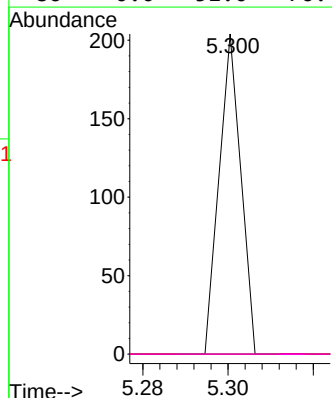
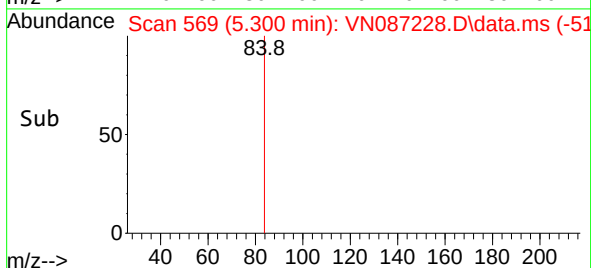
Tgt Ion: 76 Resp: 62
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

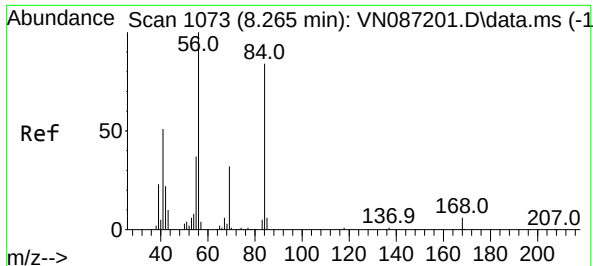


#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 569
Delta R.T. 0.005 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21



Tgt Ion: 84 Resp: 72
Ion Ratio Lower Upper
84 100
49 0.0 93.0 139.6#
51 0.0 27.2 40.8#
86 0.0 51.0 76.4#

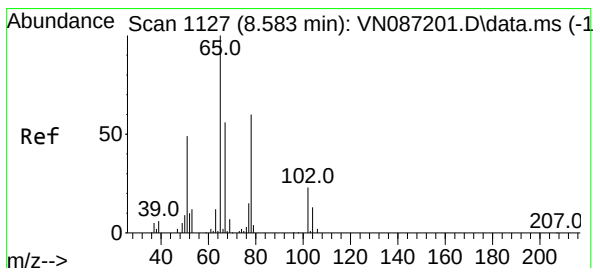
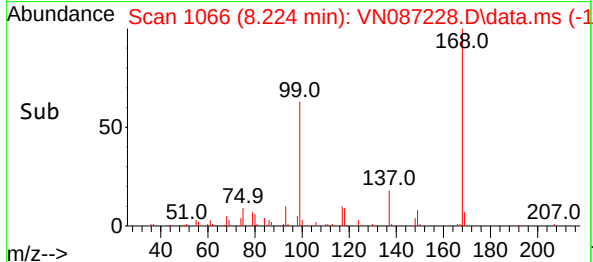
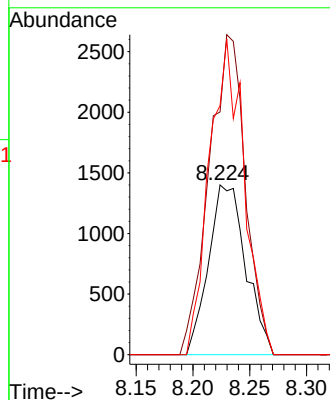
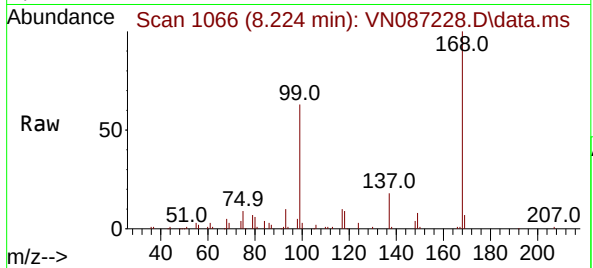




#31
Cyclohexane
Concen: 0.969 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

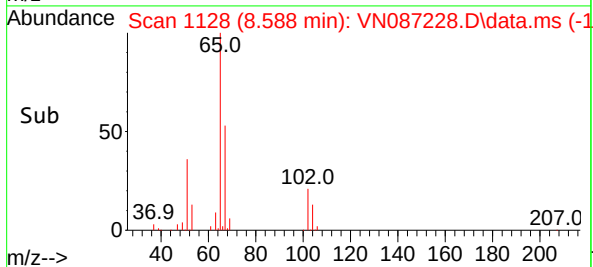
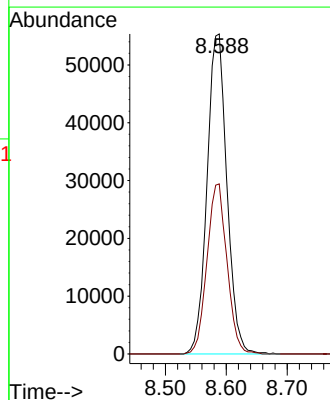
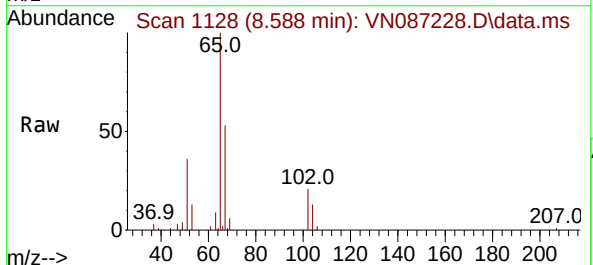
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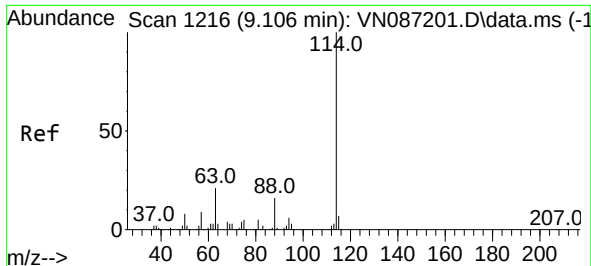
Tgt Ion: 56 Resp: 3193
Ion Ratio Lower Upper
56 100
69 142.9 25.3 37.9#
84 146.6 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 58.915 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion: 65 Resp: 125449
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.0

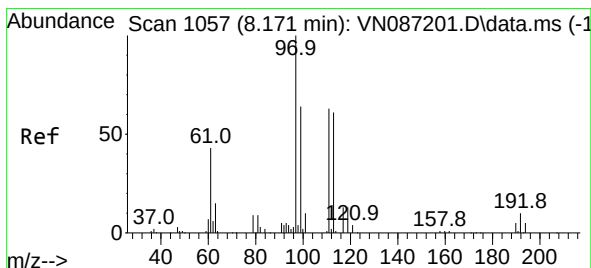
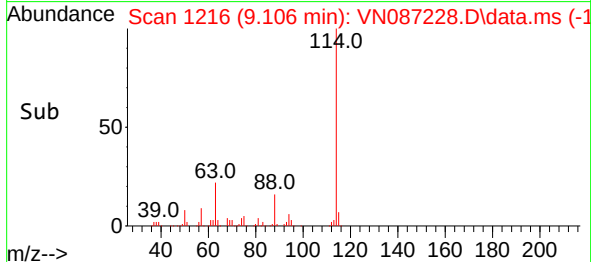
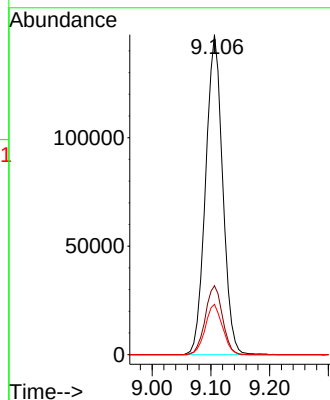
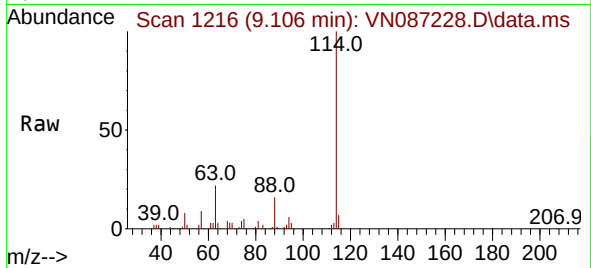




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

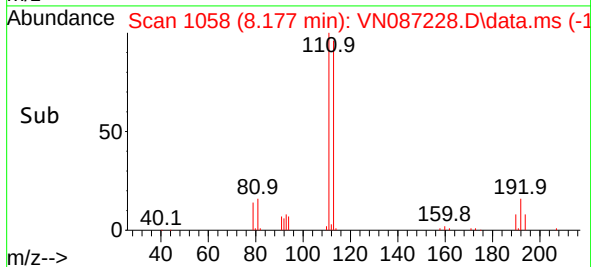
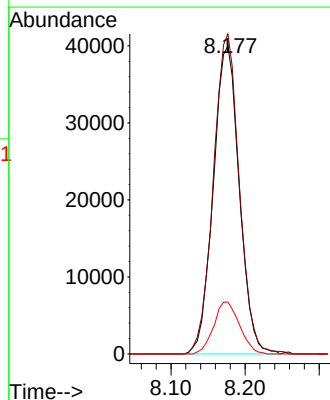
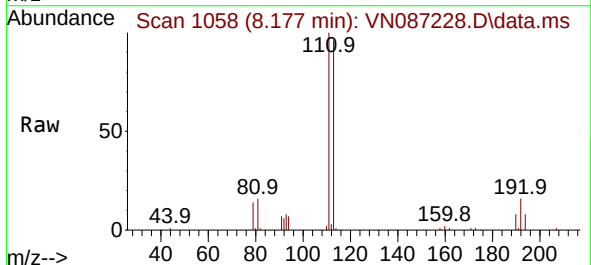
Instrument :
MSVOA_N
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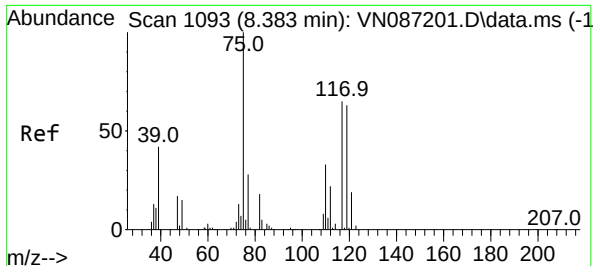
Tgt Ion:114 Resp: 297512
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.0
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.693 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion:113 Resp: 97506
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 16.8 13.5 20.3

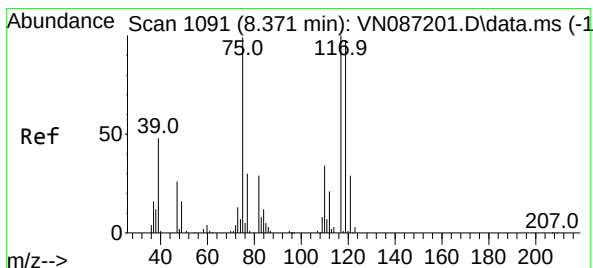
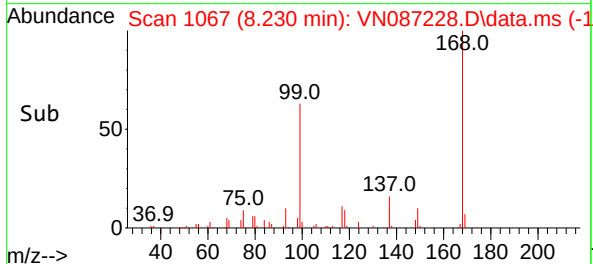
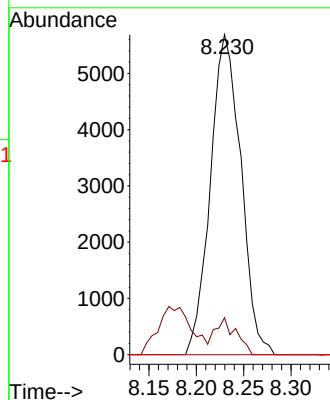
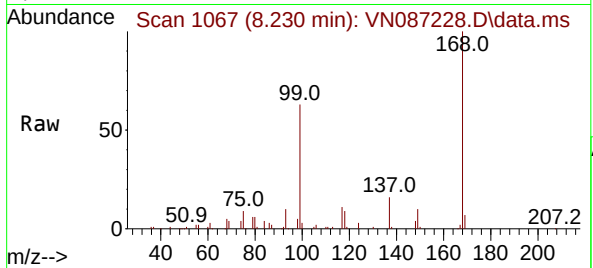




#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.153 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

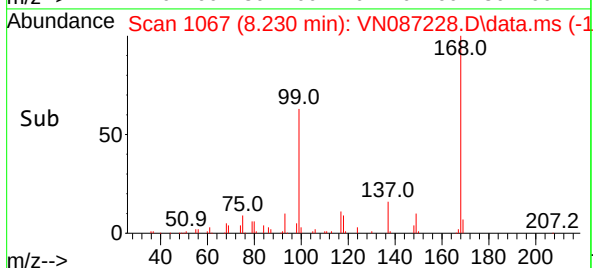
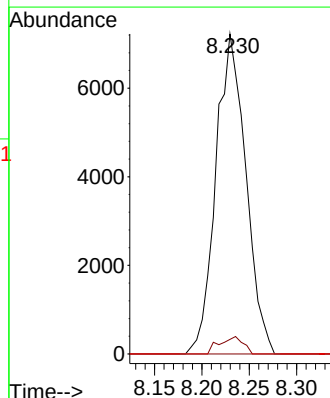
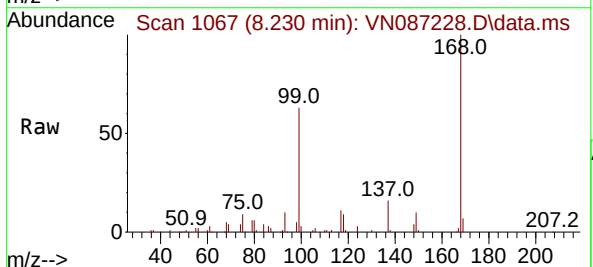
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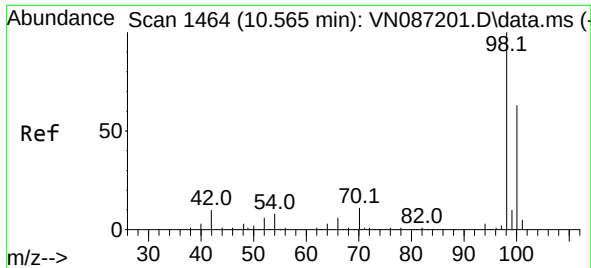
Tgt Ion: 75 Resp: 12759
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.805 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion: 117 Resp: 15928
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.0#
121 0.0 23.2 34.8#

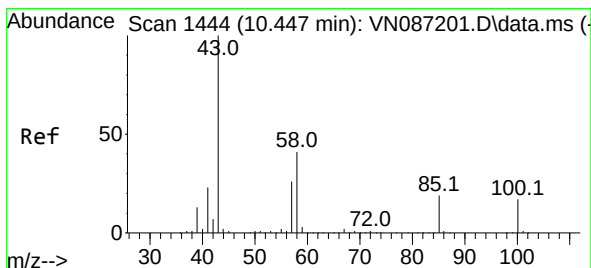
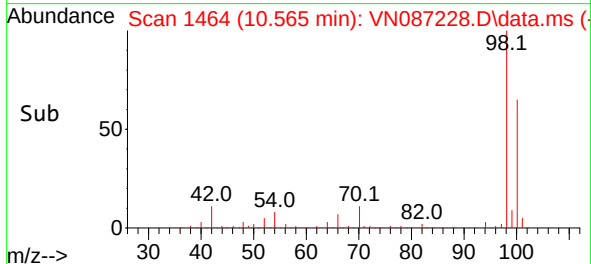
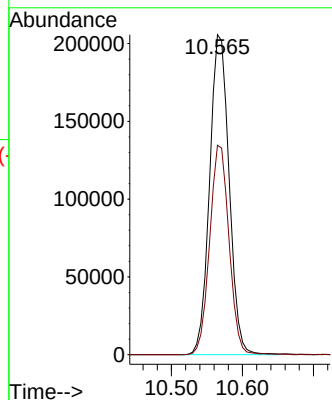
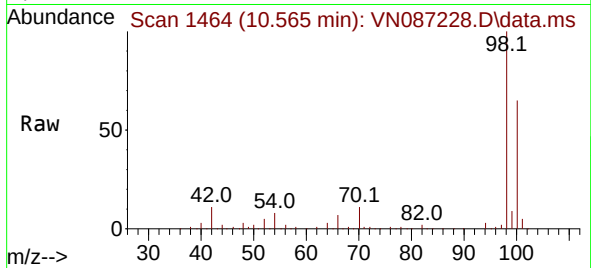




#50
Toluene-d8
Concen: 49.208 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

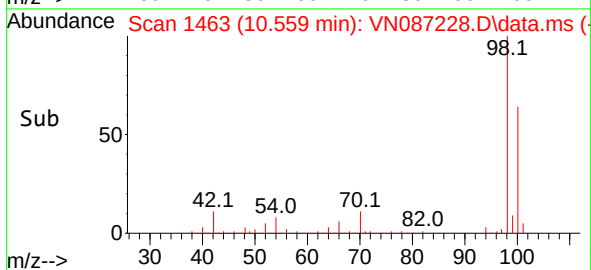
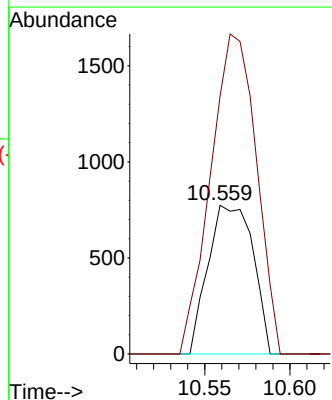
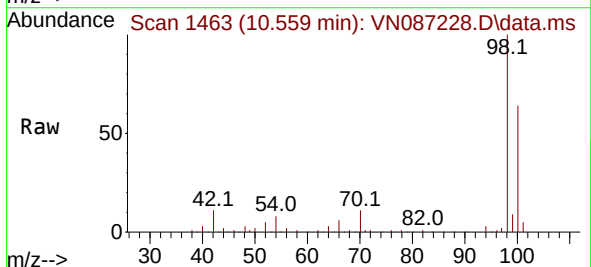
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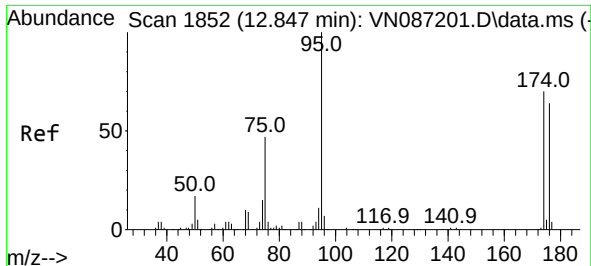
Tgt Ion: 98 Resp: 391462
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
58 219.3 32.6 48.8#

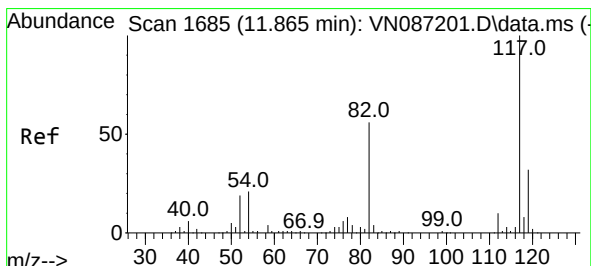
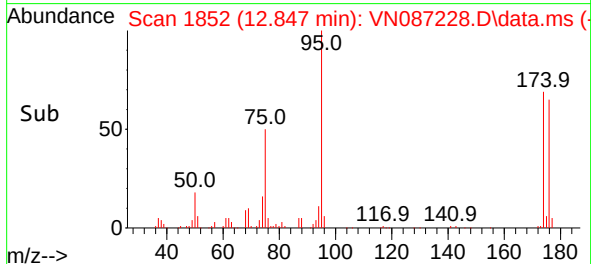
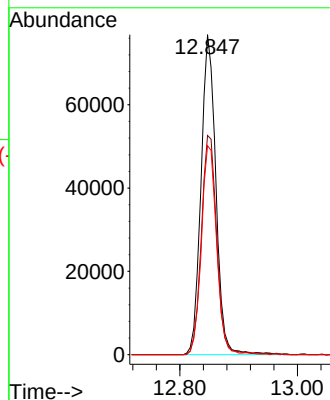
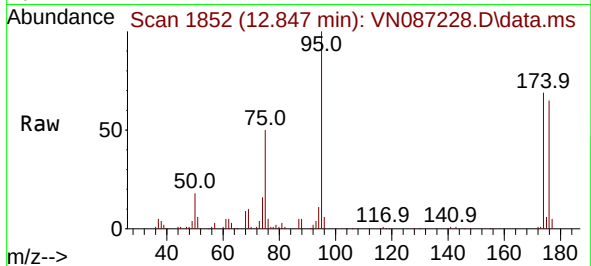




#62
4-Bromofluorobenzene
Concen: 48.854 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

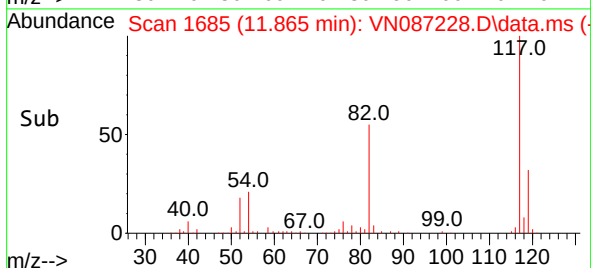
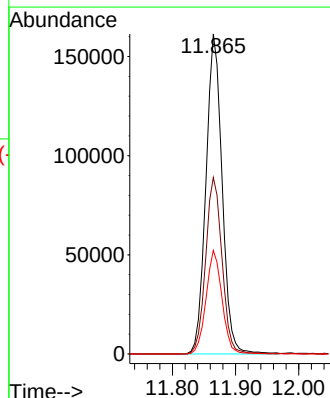
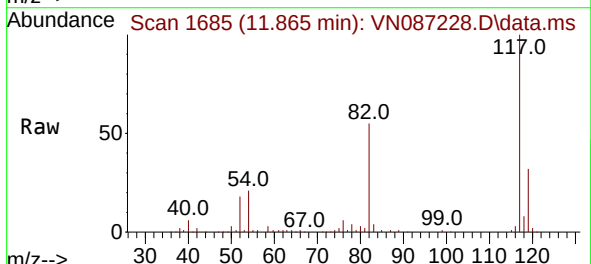
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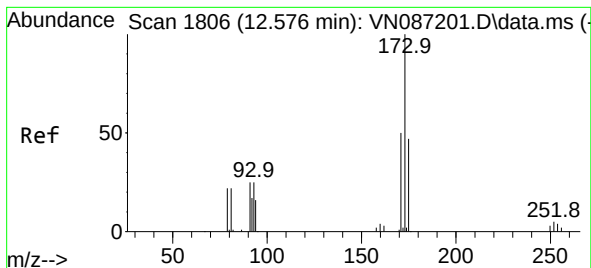
Tgt Ion: 95 Resp: 134856
Ion Ratio Lower Upper
95 100
174 71.1 0.0 142.2
176 66.5 0.0 134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion: 117 Resp: 287389
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.3 25.9 38.9





#71

Bromoform

Concen: 0.424 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN087228.D

Acq: 27 Jun 2025 17:21

Instrument :

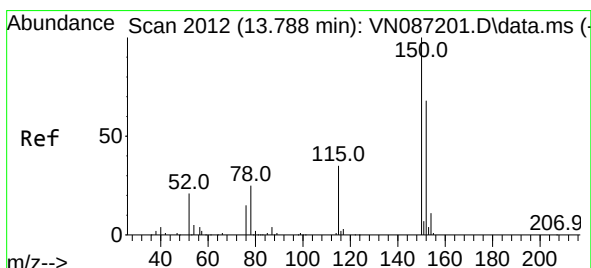
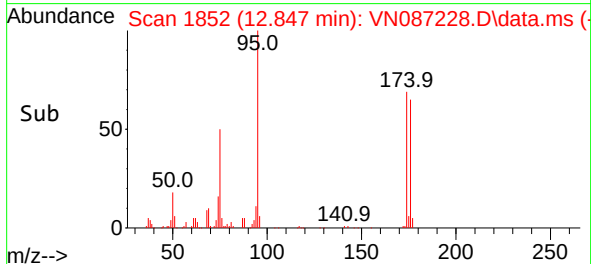
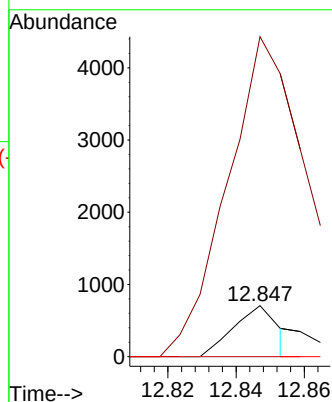
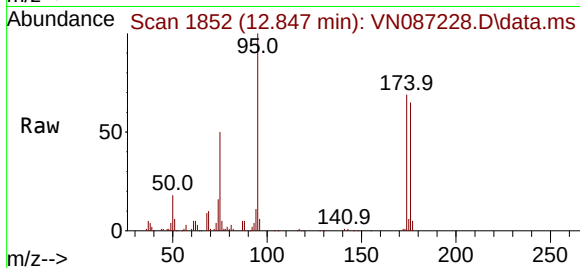
MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:173 Resp: 640

Ion	Ratio	Lower	Upper
173	100		
175	805.2	23.8	71.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

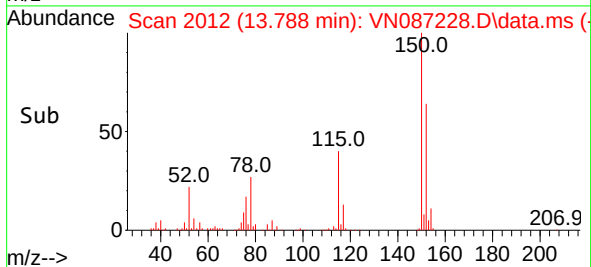
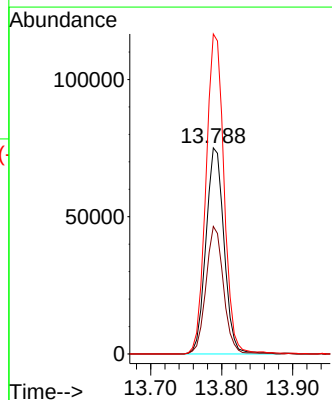
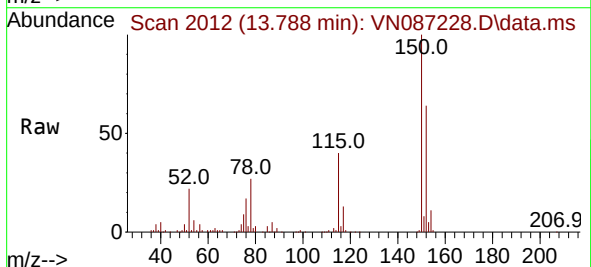
Delta R.T. 0.000 min

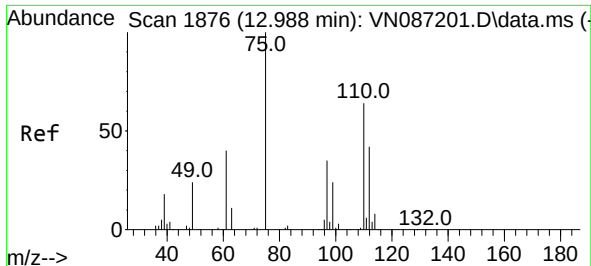
Lab File: VN087228.D

Acq: 27 Jun 2025 17:21

Tgt Ion:152 Resp: 133572

Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.6	91.8
150	154.7	0.0	347.8

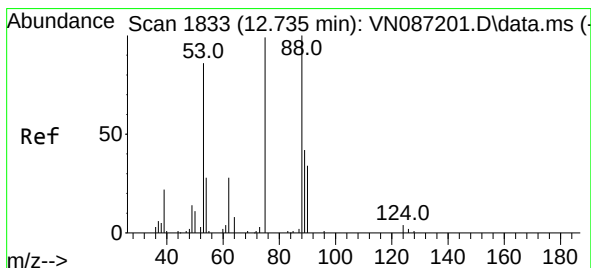
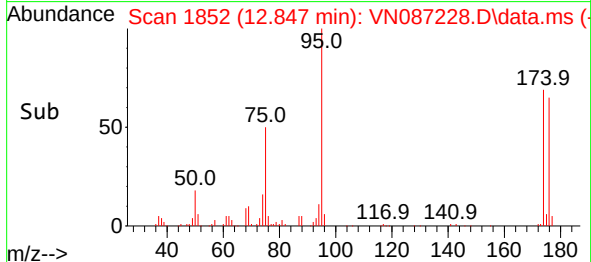
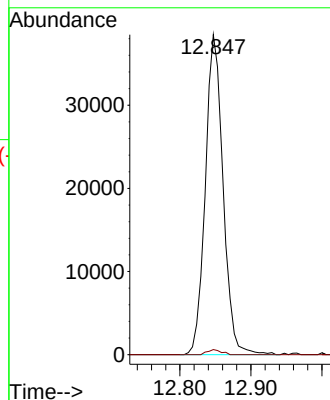
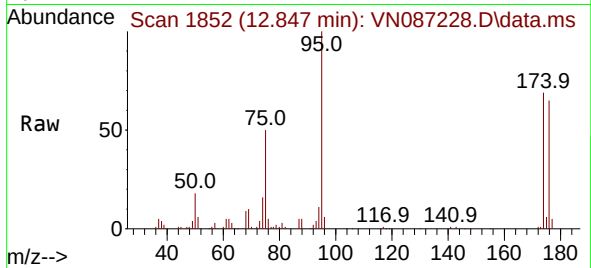




#76
1,2,3-Trichloropropane
Concen: 22.485 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 67009
Ion Ratio Lower Upper
75 100
77 1.2 85.5 256.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.465 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087228.D
Acq: 27 Jun 2025 17:21

Tgt Ion: 75 Resp: 67009
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.0 37.9 56.9#

