

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085728.D
 Acq On : 10 Feb 2025 16:59
 Operator : JC\MD
 Sample : Q1328-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 03:26:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	229831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	425415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	373084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146687	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	183516	49.466	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.940%
35) Dibromofluoromethane	8.165	113	150571	51.018	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.040%
50) Toluene-d8	10.565	98	517689	49.369	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.847	95	164897	45.971	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.940%

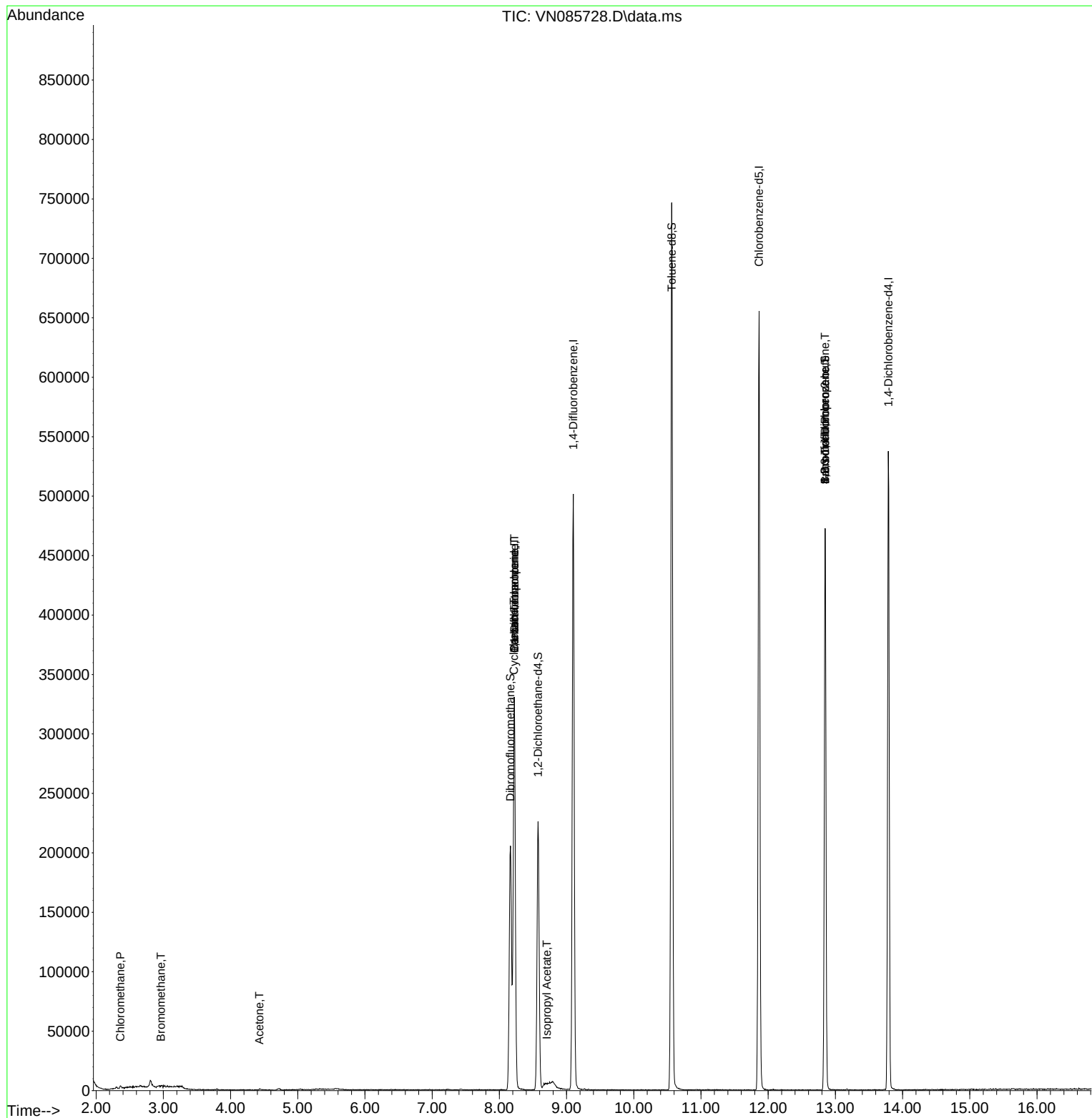
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1856	0.551	ug/l #	84
5) Bromomethane	2.965	94	539	0.263	ug/l	97
16) Acetone	4.430	43	605	0.505	ug/l #	79
31) Cyclohexane	8.218	56	5208	1.106	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	20605	4.974	ug/l #	50
38) Carbon Tetrachloride	8.224	117	25131	5.300	ug/l #	17
43) Isopropyl Acetate	8.706	43	5997	0.895	ug/l #	55
71) Bromoform	12.847	173	1228	0.572	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	86119	28.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86119	78.150	ug/l #	3

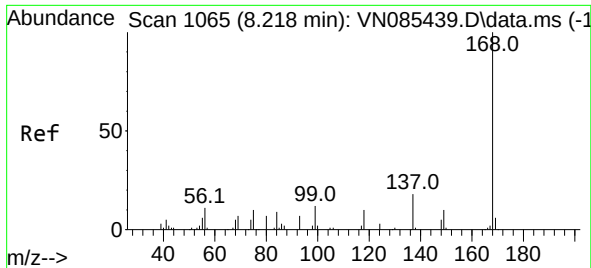
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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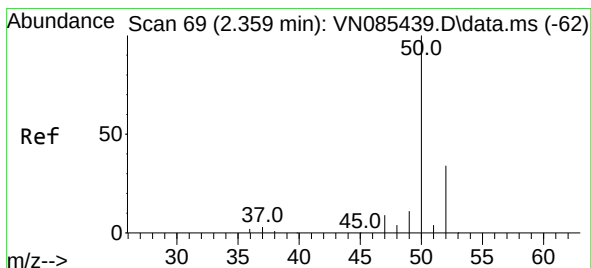
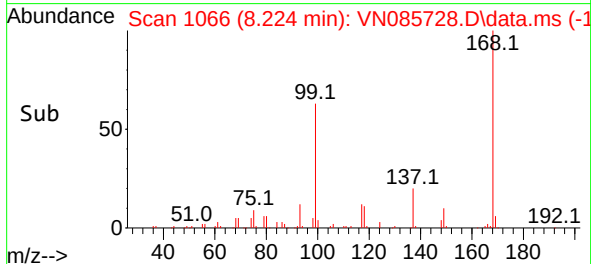
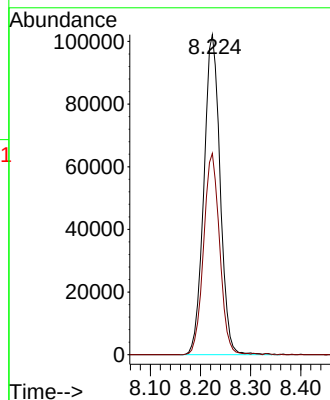
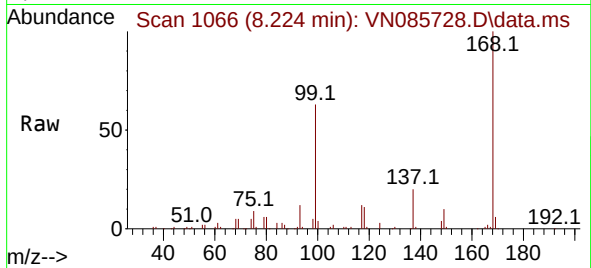




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

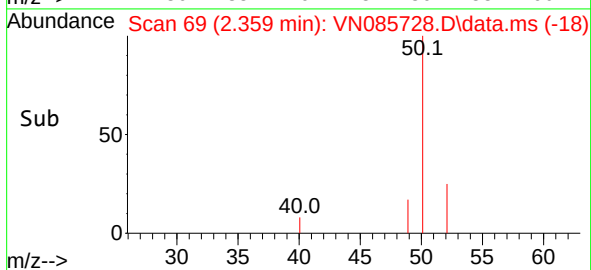
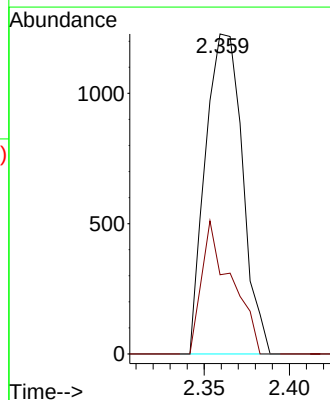
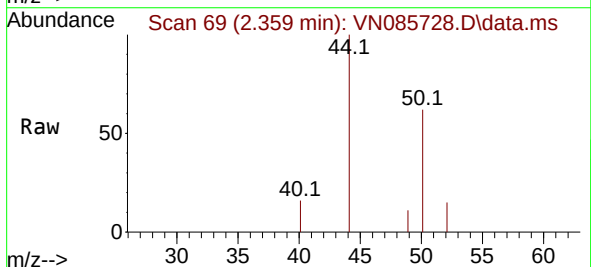
Instrument :
MSVOA_N
ClientSampleId :

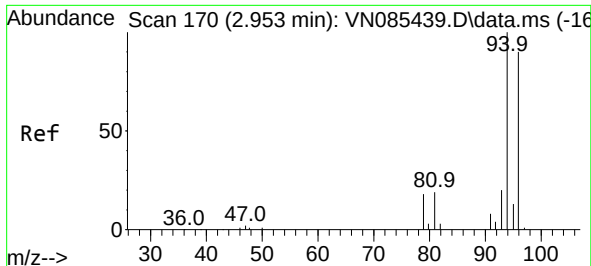
Tgt Ion:168 Resp: 229831
Ion Ratio Lower Upper
168 100
99 62.9 53.6 80.4



#3
Chloromethane
Concen: 0.551 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Tgt Ion: 50 Resp: 1856
Ion Ratio Lower Upper
50 100
52 24.8 27.0 40.6#

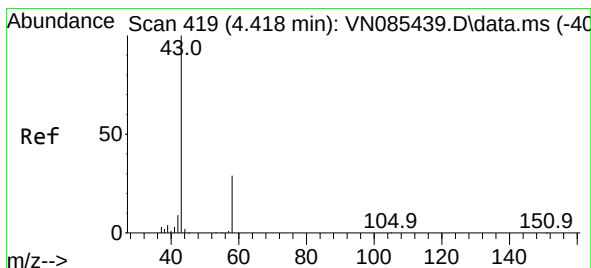
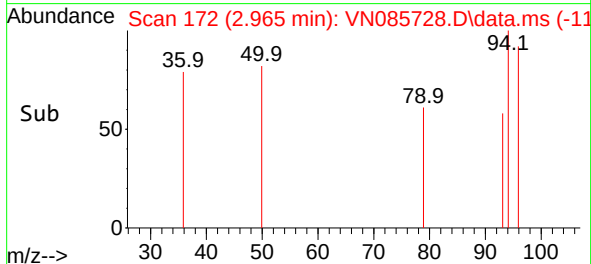
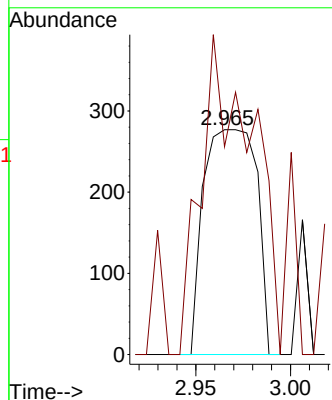
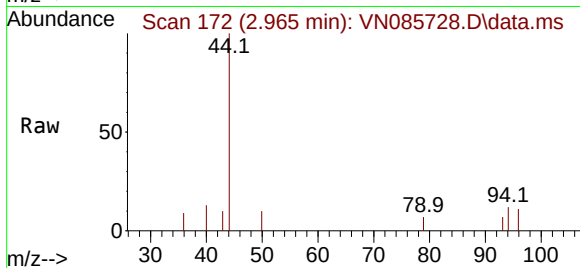




#5
Bromomethane
Concen: 0.263 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

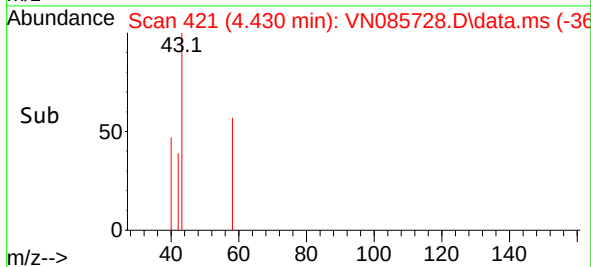
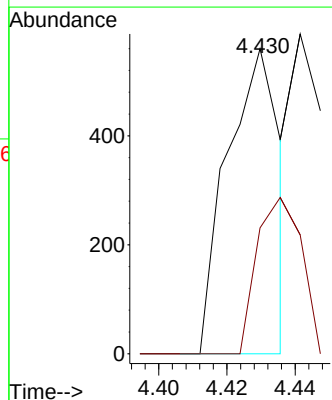
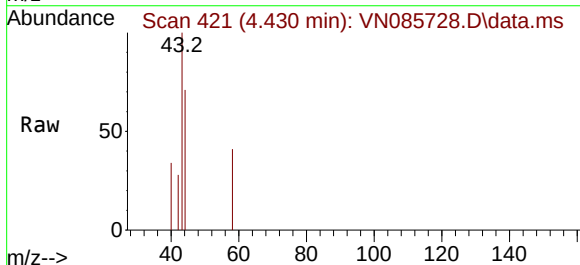
Instrument :
MSVOA_N
ClientSampleId :

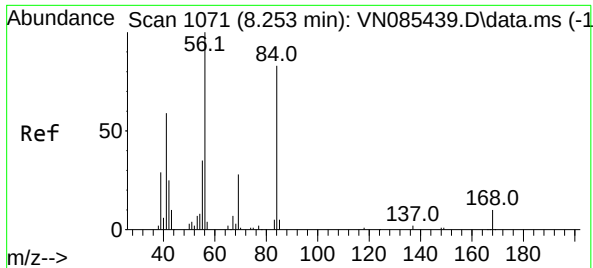
Tgt Ion: 94 Resp: 539
Ion Ratio Lower Upper
94 100
96 92.4 71.8 107.6



#16
Acetone
Concen: 0.505 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

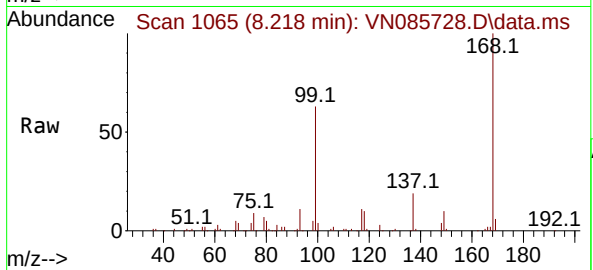
Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
58 41.3 23.8 35.6#



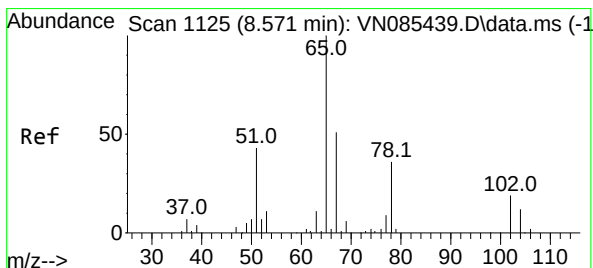
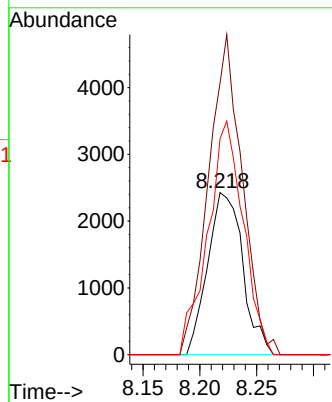
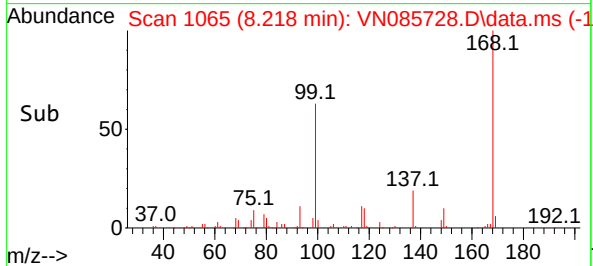


#31
Cyclohexane
Concen: 1.106 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Instrument :
MSVOA_N
ClientSampleId :

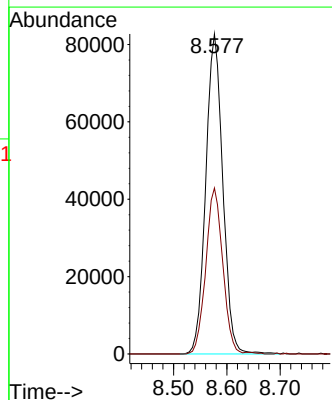
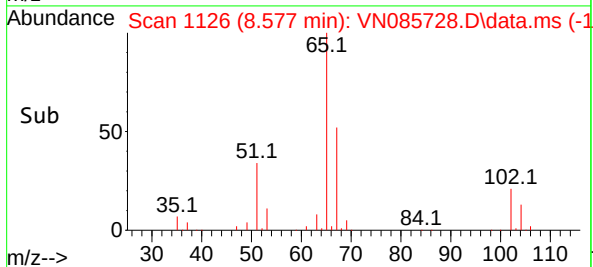
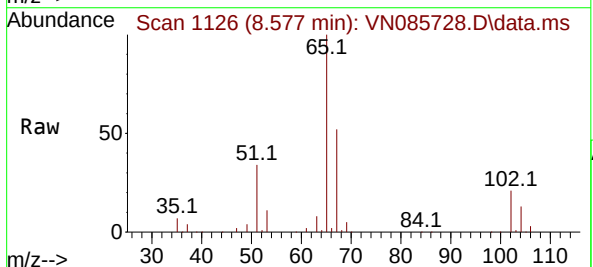


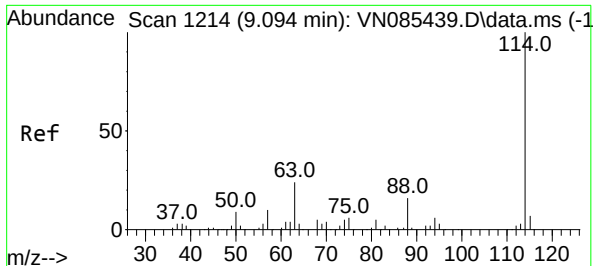
Tgt Ion: 56 Resp: 5208
Ion Ratio Lower Upper
56 100
69 167.6 22.2 33.4#
84 133.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.466 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Tgt Ion: 65 Resp: 183516
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

Instrument :

MSVOA_N

ClientSampleId :

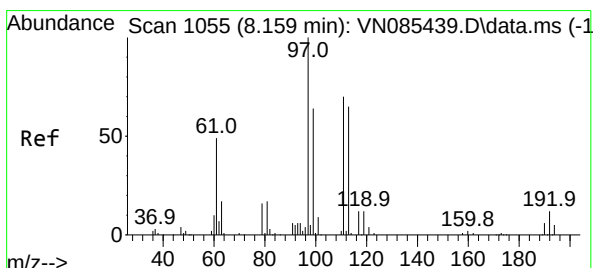
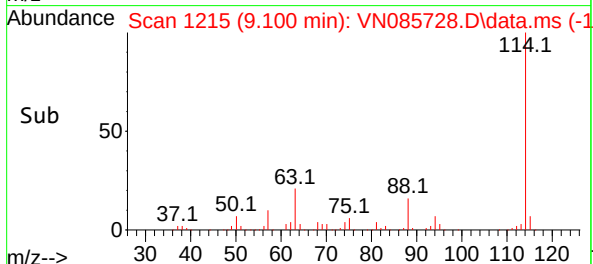
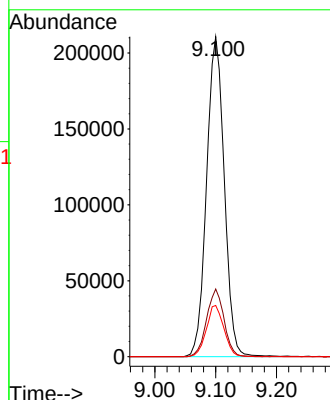
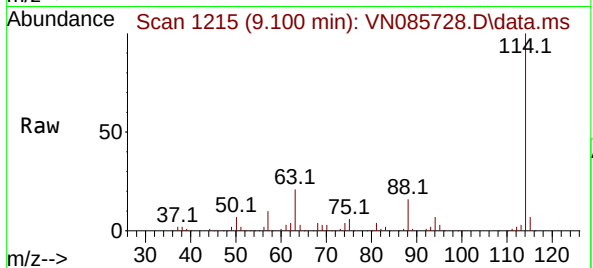
Tgt Ion:114 Resp: 425415

Ion Ratio Lower Upper

114 100

63 21.2 0.0 47.6

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.018 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

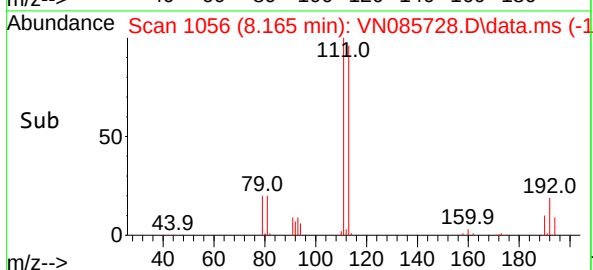
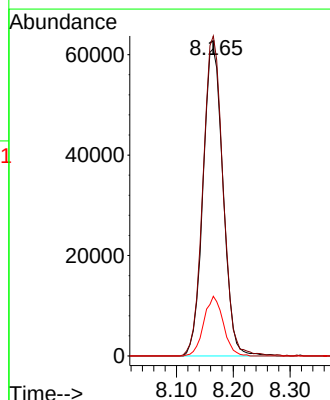
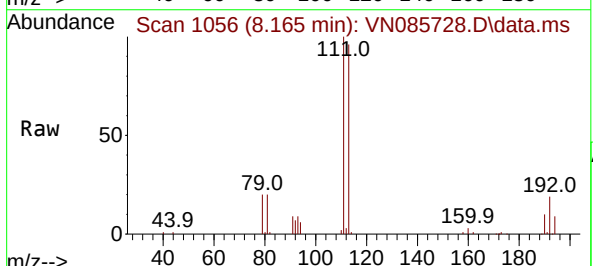
Tgt Ion:113 Resp: 150571

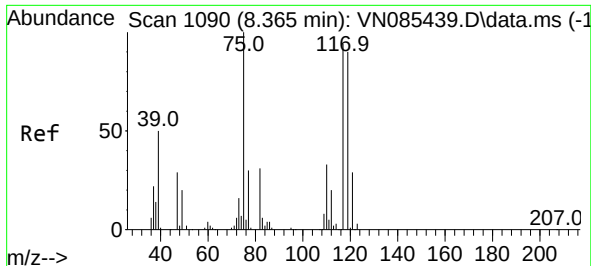
Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

192 18.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.974 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

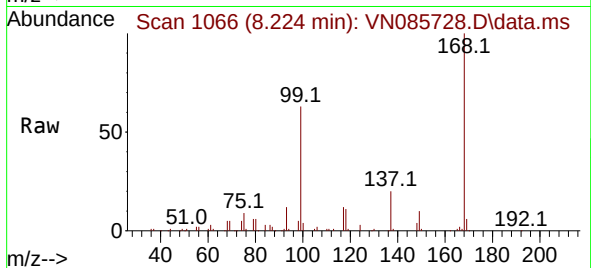
Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

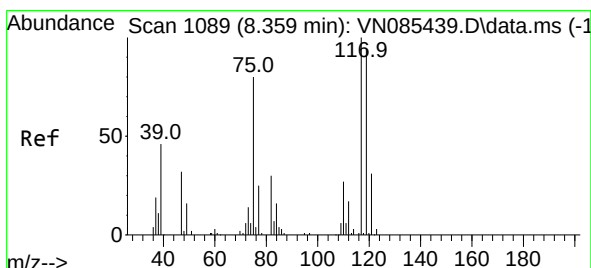
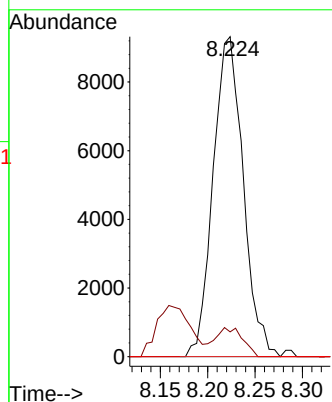
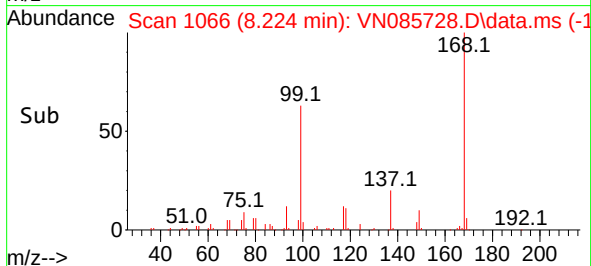
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	20605
Ion Ratio	Lower	Upper	
75	100		
110	8.0	16.5	49.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.300 ug/l

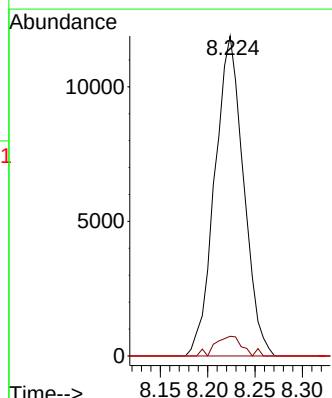
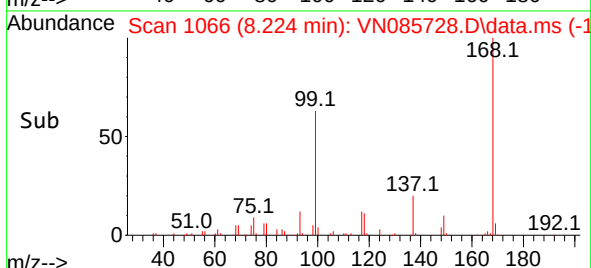
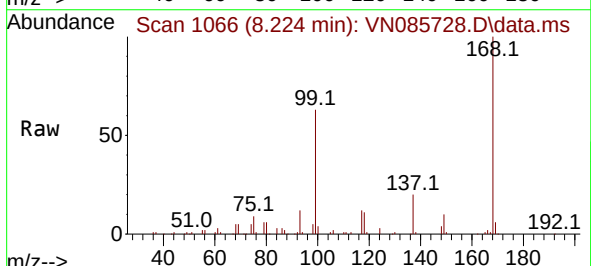
RT: 8.224 min Scan# 1066

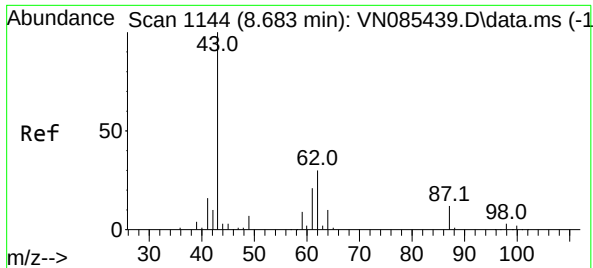
Delta R.T. -0.135 min

Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

Tgt Ion:	117	Resp:	25131
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.4	113.2#
121	0.0	24.6	37.0#

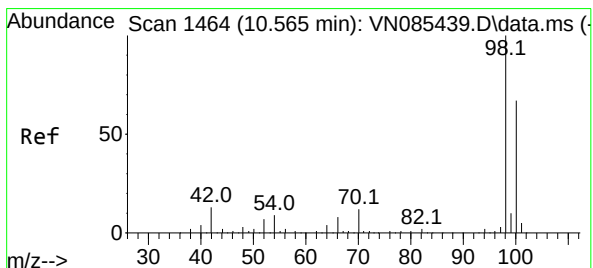
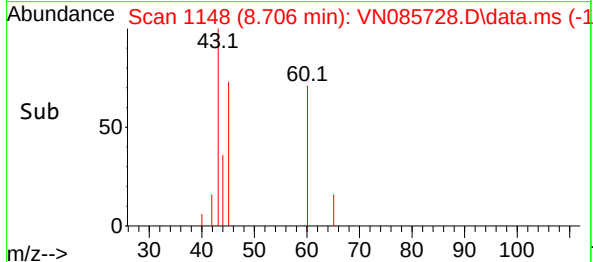
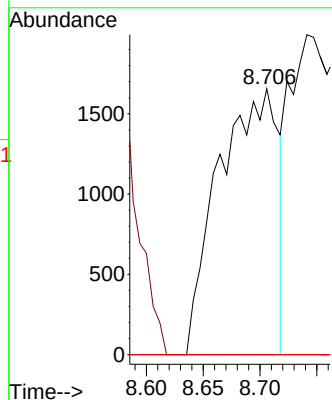
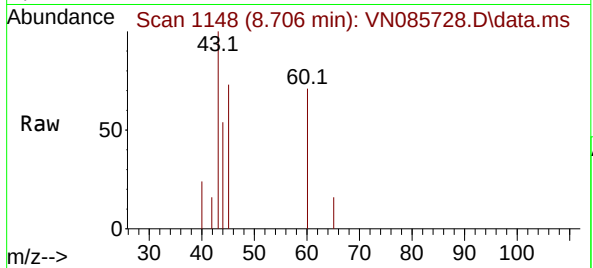




#43
Isopropyl Acetate
Concen: 0.895 ug/l
RT: 8.706 min Scan# 1144
Delta R.T. 0.023 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

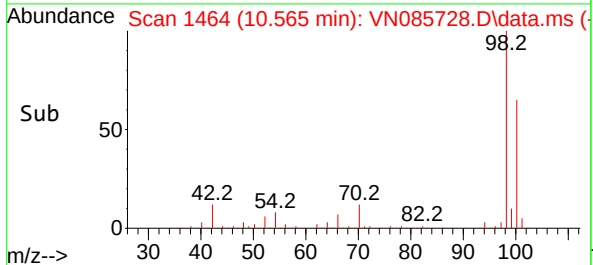
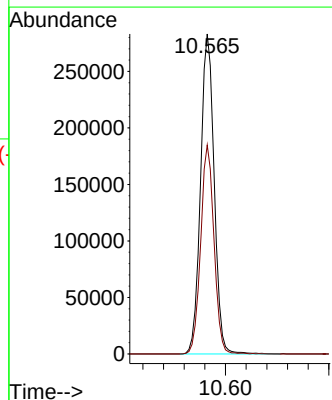
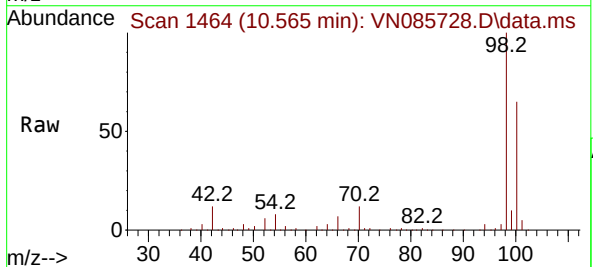
Instrument :
MSVOA_N
ClientSampleId :

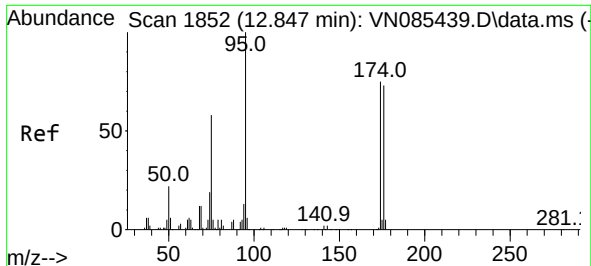
Tgt Ion: 43 Resp: 5997
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#



#50
Toluene-d8
Concen: 49.369 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Tgt Ion: 98 Resp: 517689
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4

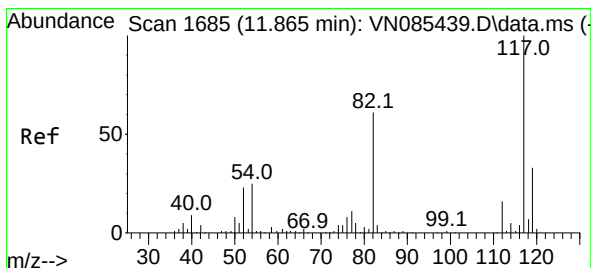
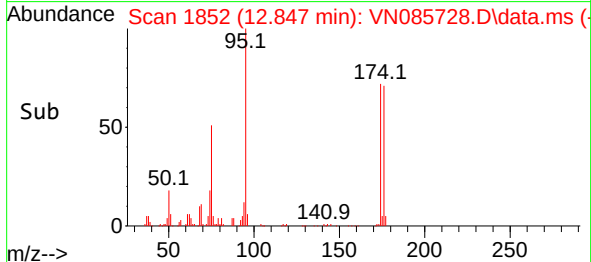
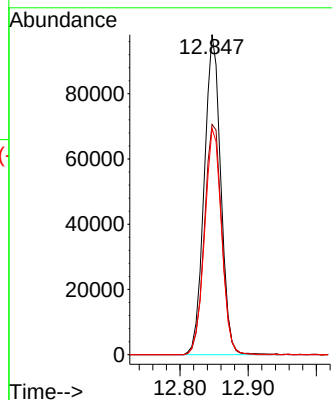
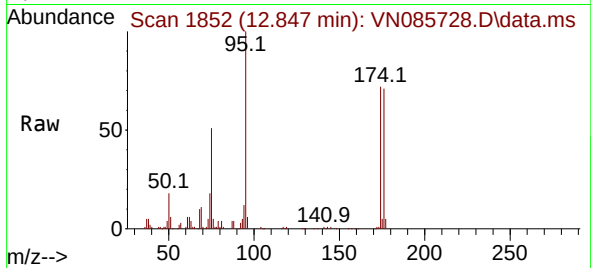




#62
4-Bromofluorobenzene
Concen: 45.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

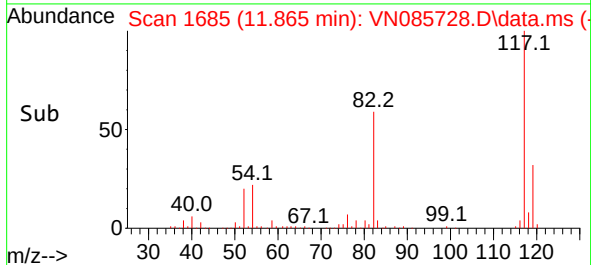
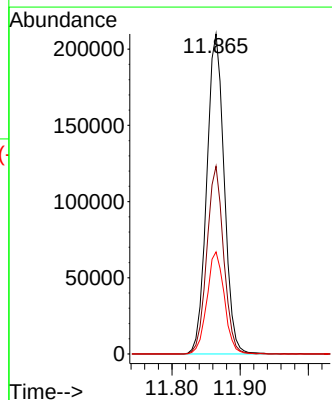
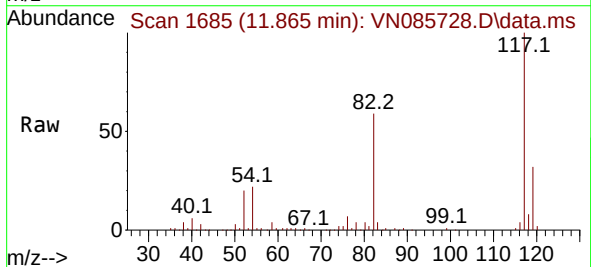
Instrument :
MSVOA_N
ClientSampleId :

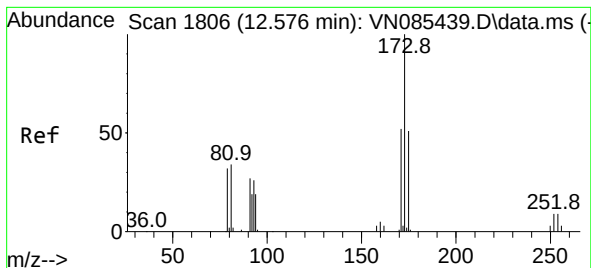
Tgt Ion: 95 Resp: 164897
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.0
176 72.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Tgt Ion: 117 Resp: 373084
Ion Ratio Lower Upper
117 100
82 58.7 48.6 72.8
119 31.9 26.6 39.8





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

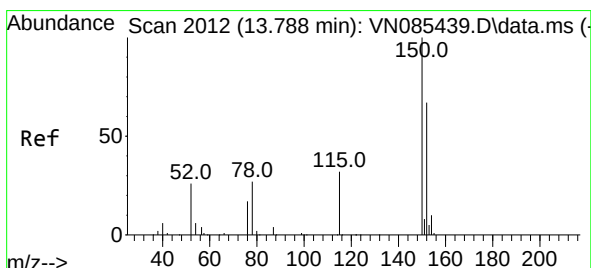
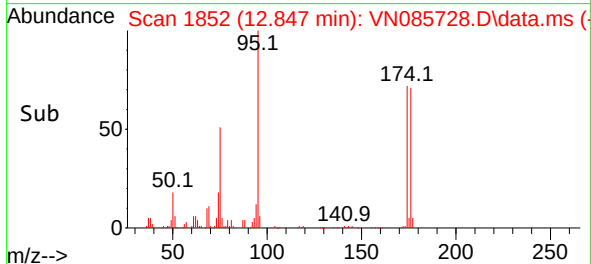
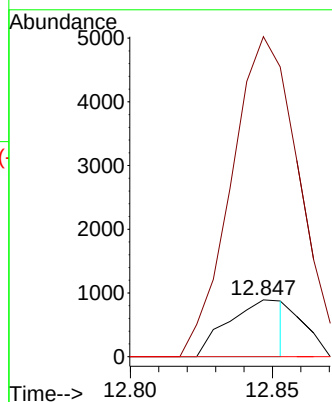
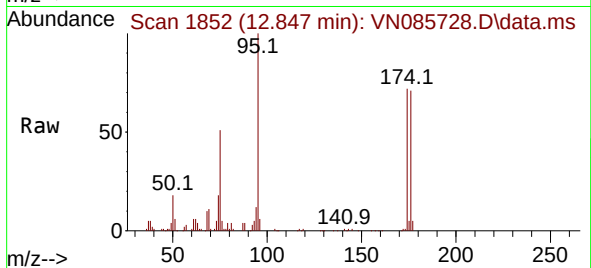
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1228

Ion	Ratio	Lower	Upper
173	100		
175	524.3	24.4	73.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

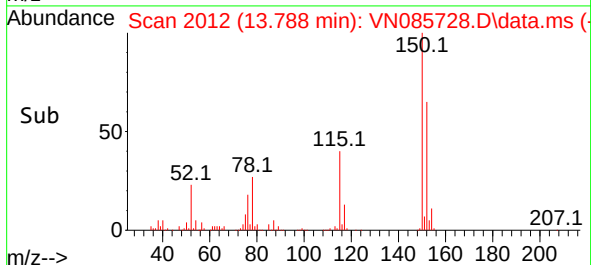
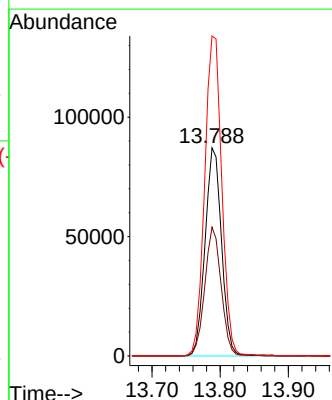
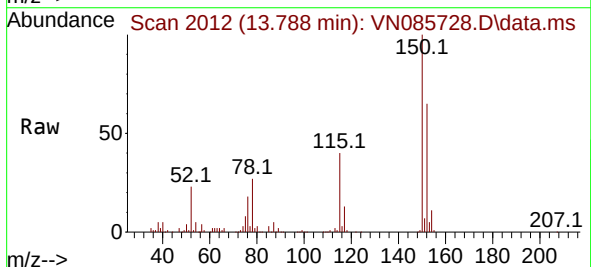
Delta R.T. -0.000 min

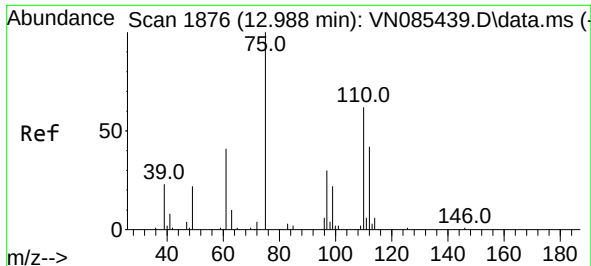
Lab File: VN085728.D

Acq: 10 Feb 2025 16:59

Tgt Ion:152 Resp: 146687

Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.1	93.3
150	159.3	0.0	343.6

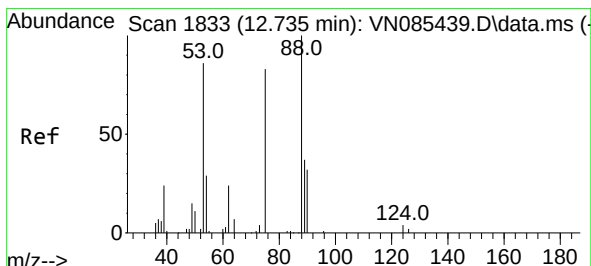
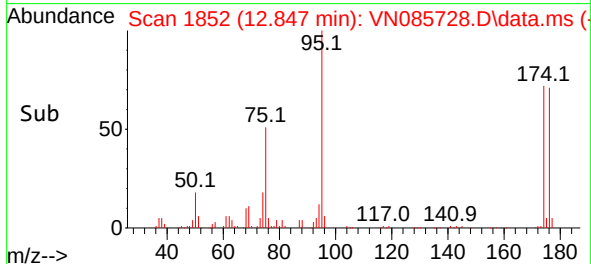
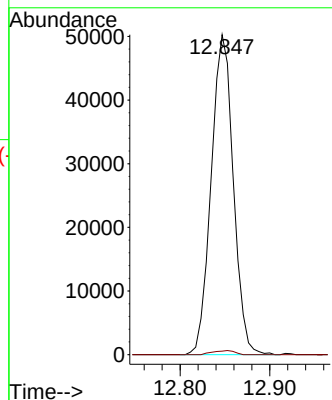
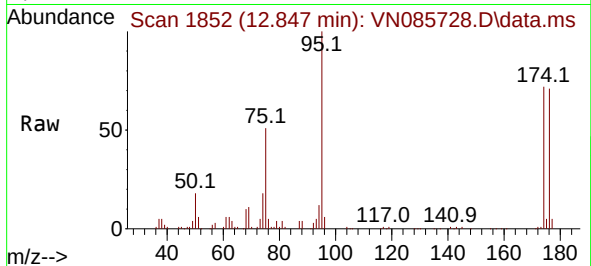




#76
1,2,3-Trichloropropane
Concen: 28.885 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 86119
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.150 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085728.D
Acq: 10 Feb 2025 16:59

Tgt Ion: 75 Resp: 86119
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#

