

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085592.D
 Acq On : 31 Jan 2025 10:42
 Operator : JC\MD
 Sample : VN0131WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 22:24:06 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)

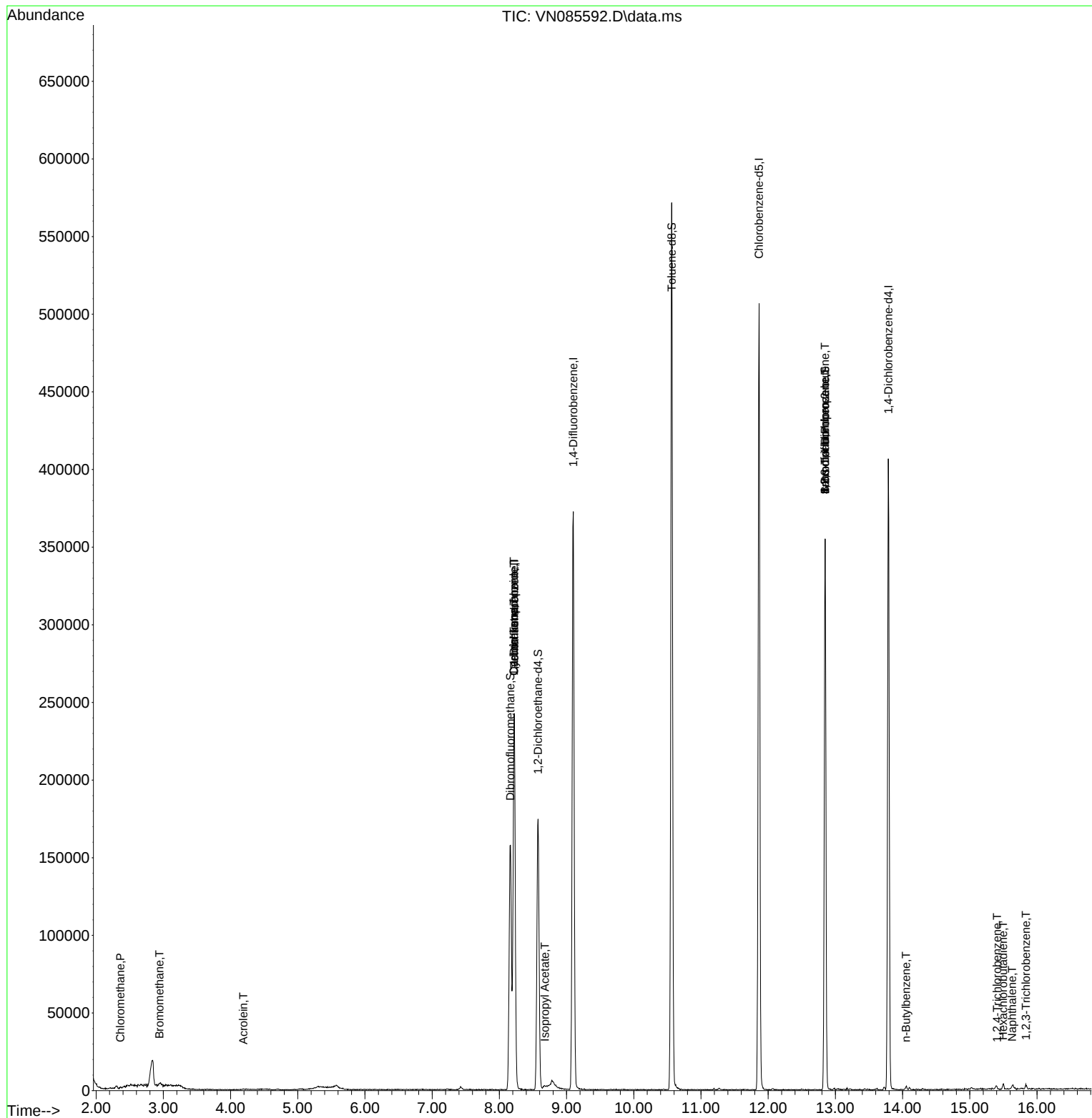
Internal Standards						
1) Pentafluorobenzene	8.224	168	163540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151392	57.348	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.700%
35) Dibromofluoromethane	8.165	113	114315	54.068	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.140%
50) Toluene-d8	10.565	98	373656	49.741	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.480%
62) 4-Bromofluorobenzene	12.847	95	116594	45.373	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.740%
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	483	0.201	ug/l #	58
5) Bromomethane	2.942	94	829	0.570	ug/l	86
13) Acrolein	4.189	56	155	0.376	ug/l #	14
31) Cyclohexane	8.218	56	5122	1.529	ug/l #	40
36) 1,1-Dichloropropene	8.218	75	15223	5.130	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18658	5.492	ug/l #	18
43) Isopropyl Acetate	8.677	43	1620	0.338	ug/l #	55
71) Bromoform	12.847	173	679	0.441	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	66375	31.179	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66375	84.358	ug/l #	3
89) n-Butylbenzene	14.053	91	1634	0.335	ug/l	96
93) 1,2,4-Trichlorobenzene	15.406	180	759	0.481	ug/l #	66
94) Hexachlorobutadiene	15.494	225	901	1.076	ug/l	94
95) Naphthalene	15.629	128	3655	0.777	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.835	180	1156	0.725	ug/l	94

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

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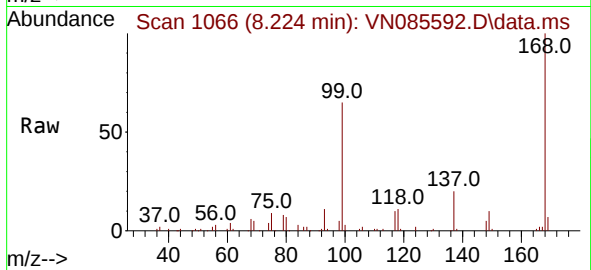
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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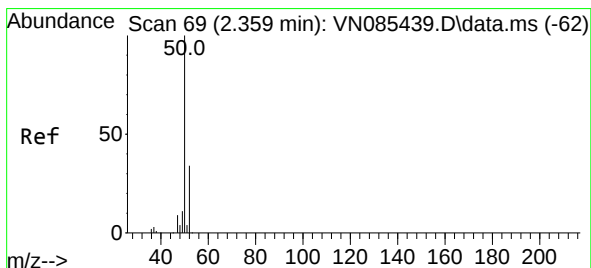
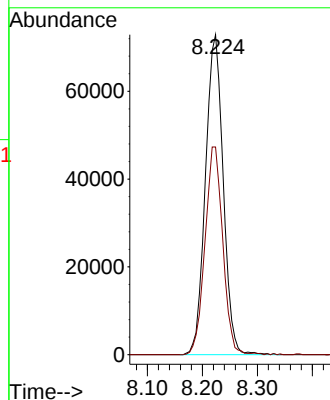
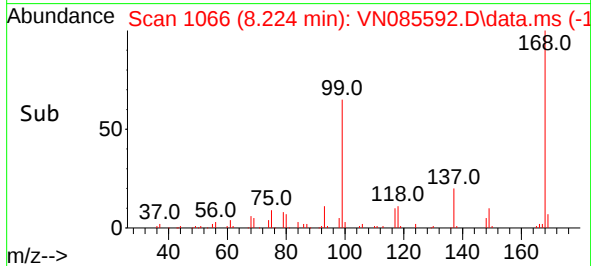


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Instrument :
MSVOA_N
ClientSampleId :

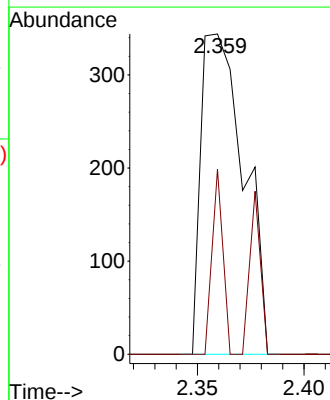
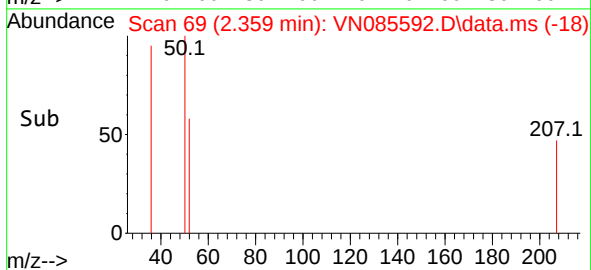
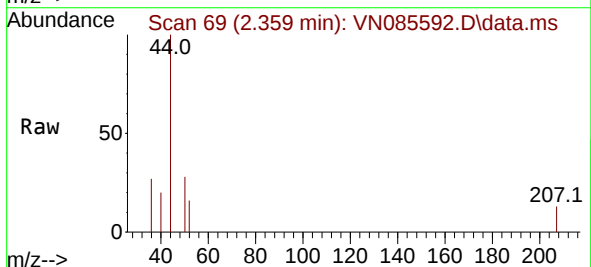


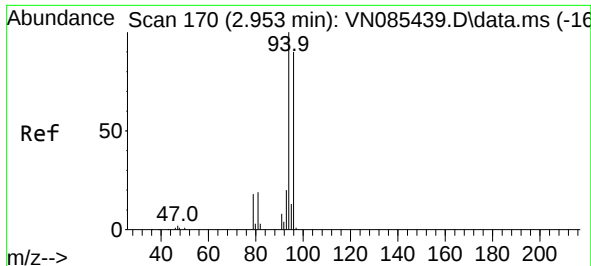
Tgt Ion:168 Resp: 163540
Ion Ratio Lower Upper
168 100
99 64.9 53.6 80.4



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 57.8 27.0 40.6#

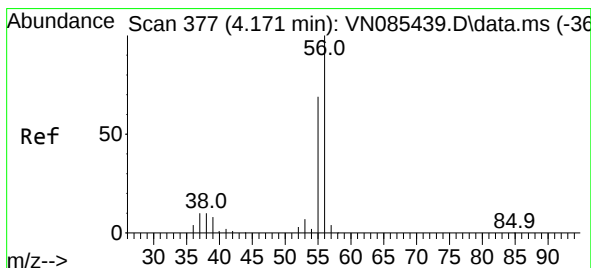
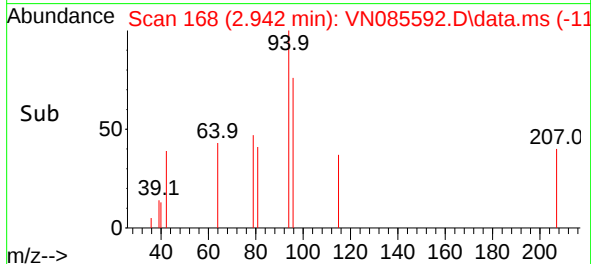
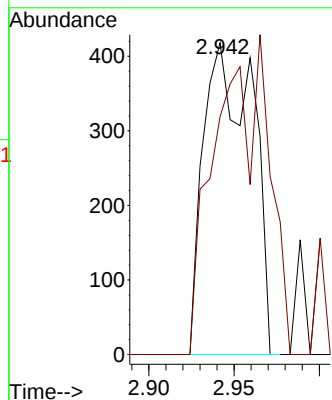
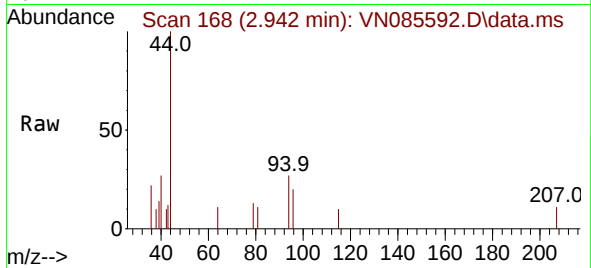




#5
Bromomethane
Concen: 0.570 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

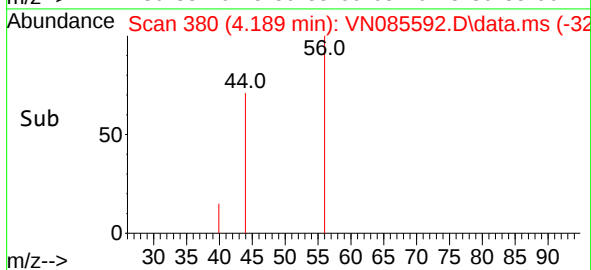
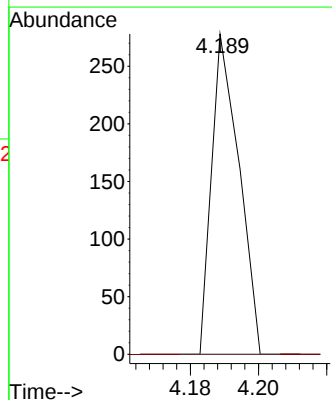
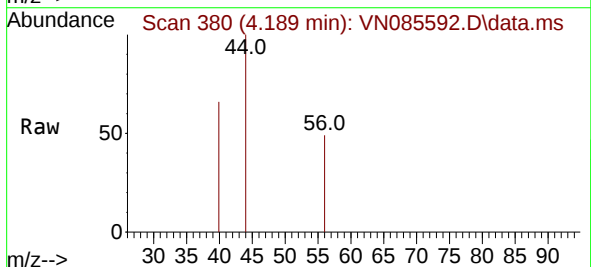
Instrument :
MSVOA_N
ClientSampleId :

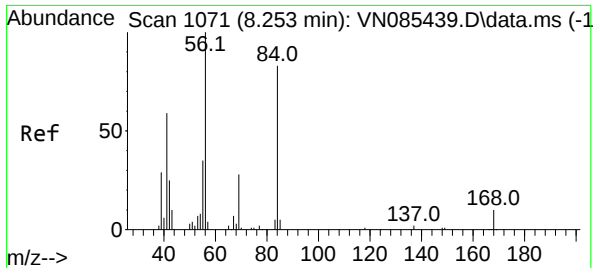
Tgt Ion: 94 Resp: 829
Ion Ratio Lower Upper
94 100
96 76.3 71.8 107.6



#13
Acrolein
Concen: 0.376 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

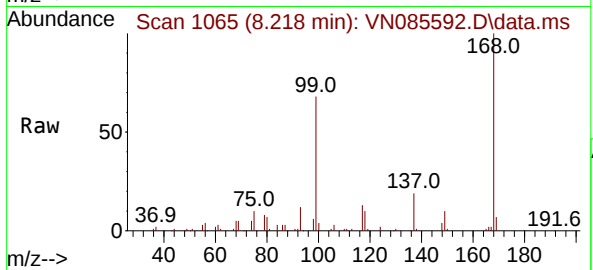
Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



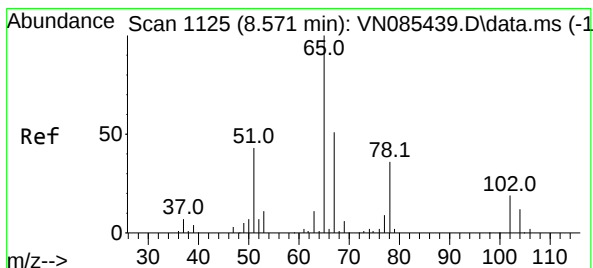
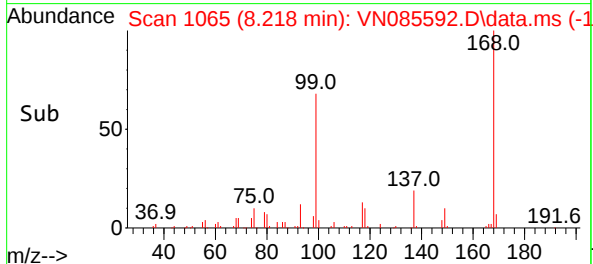
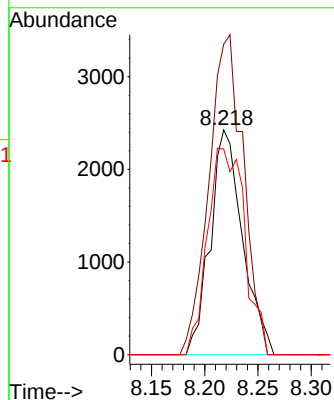


#31
Cyclohexane
Concen: 1.529 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Instrument :
MSVOA_N
ClientSampleId :

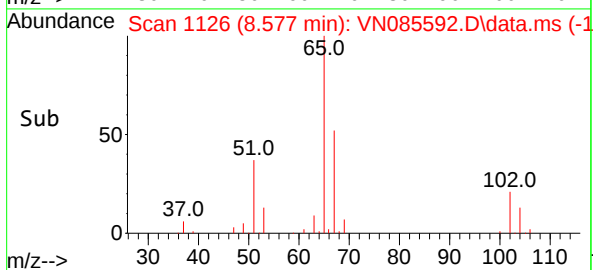
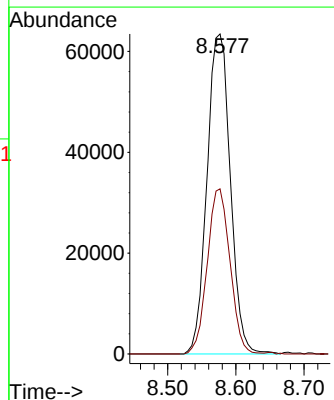
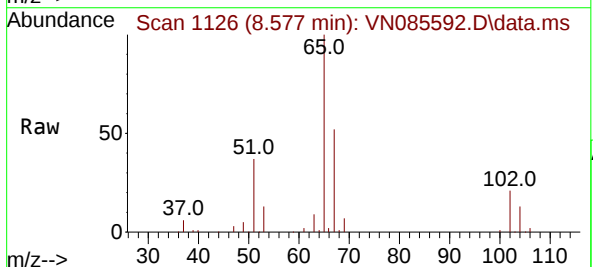


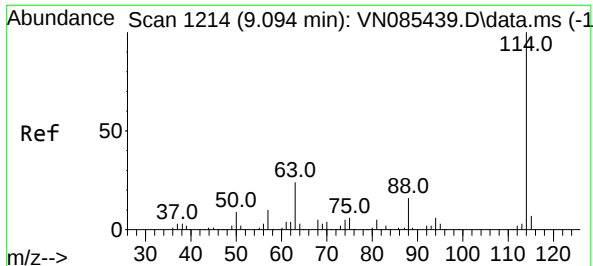
Tgt Ion: 56 Resp: 5122
Ion Ratio Lower Upper
56 100
69 138.1 22.2 33.4#
84 91.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 57.348 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 65 Resp: 151392
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.6

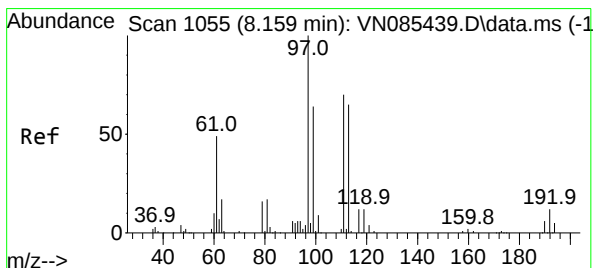
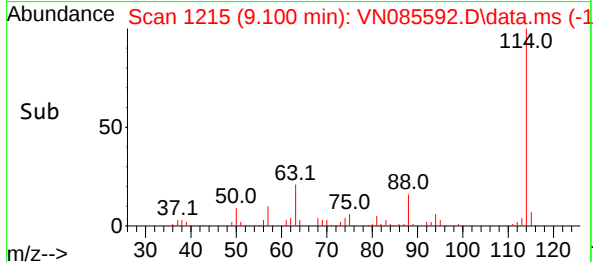
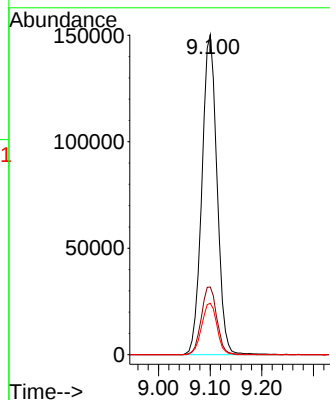
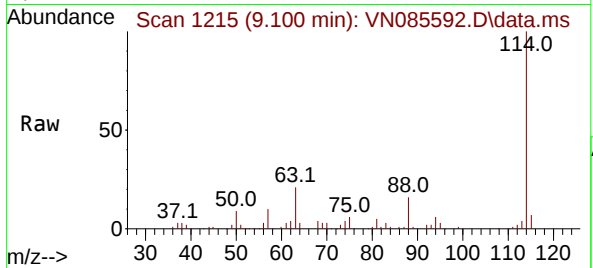




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

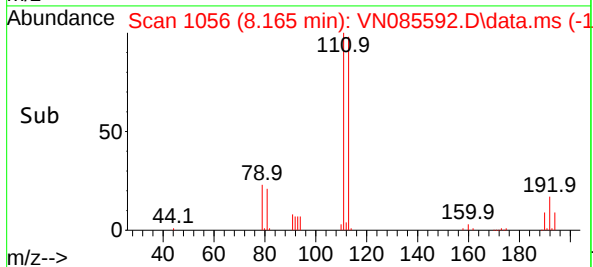
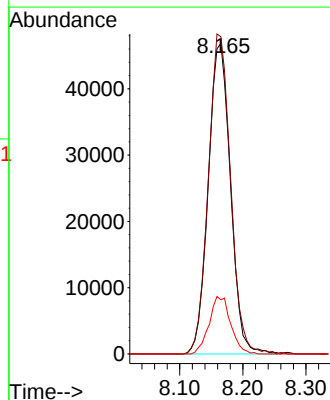
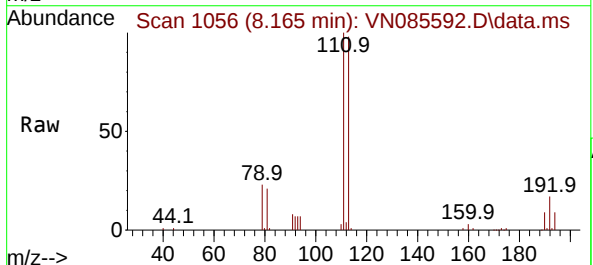
Instrument :
MSVOA_N
ClientSampleId :

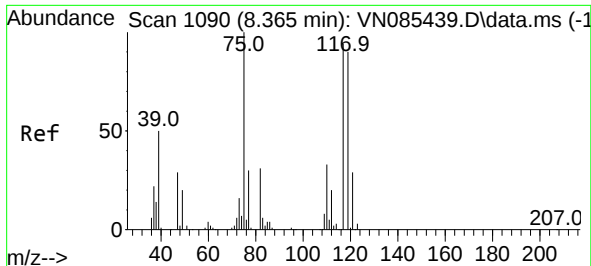
Tgt Ion:114 Resp: 304758
Ion Ratio Lower Upper
114 100
63 21.2 0.0 47.6
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.068 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion:113 Resp: 114315
Ion Ratio Lower Upper
113 100
111 103.3 82.7 124.1
192 18.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085592.D

Acq: 31 Jan 2025 10:42

Instrument :

MSVOA_N

ClientSampleId :

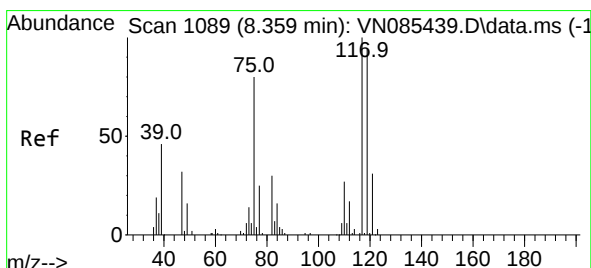
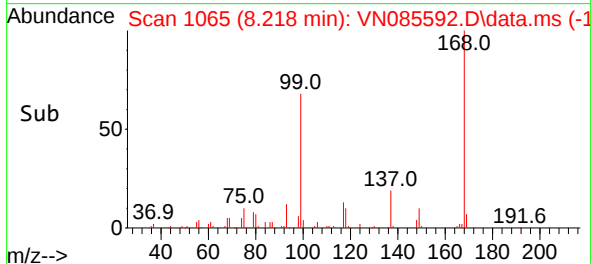
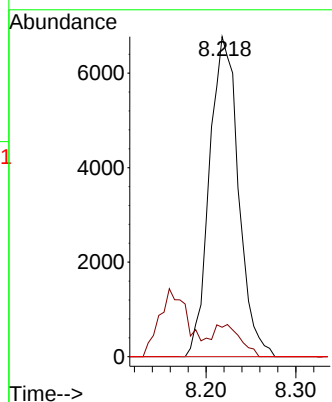
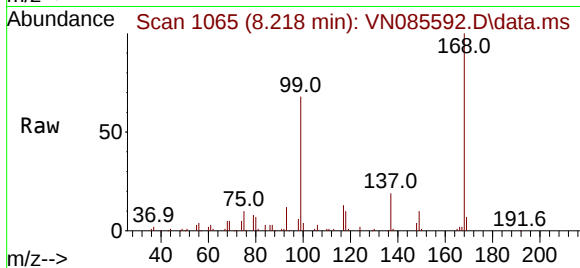
Tgt Ion: 75 Resp: 15223

Ion Ratio Lower Upper

75 100

110 8.4 16.5 49.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.492 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN085592.D

Acq: 31 Jan 2025 10:42

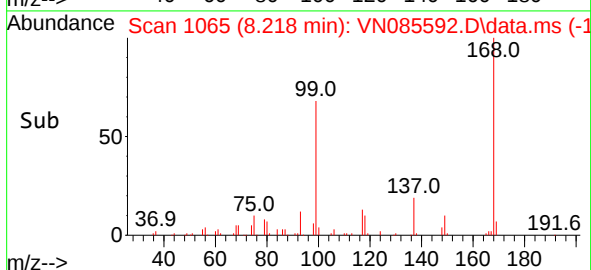
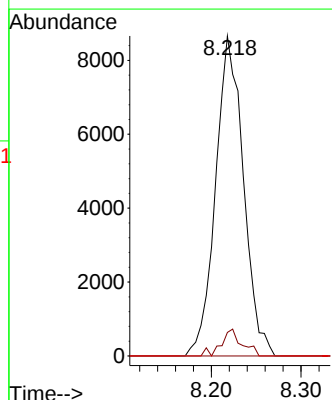
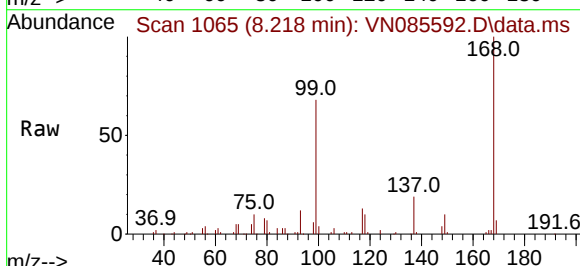
Tgt Ion: 117 Resp: 18658

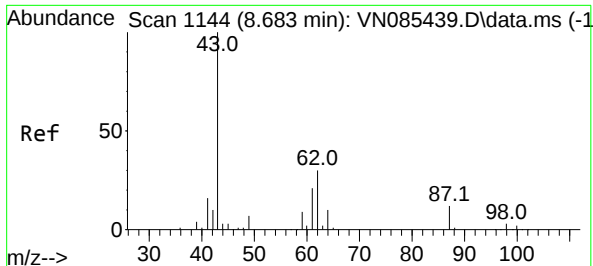
Ion Ratio Lower Upper

117 100

119 7.4 75.4 113.2#

121 0.0 24.6 37.0#

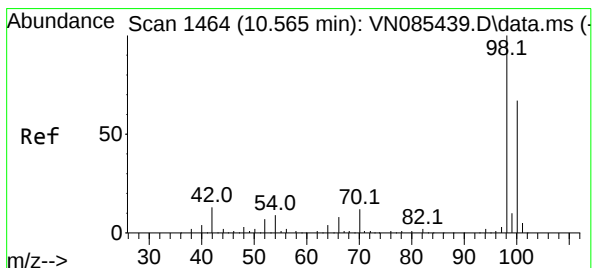
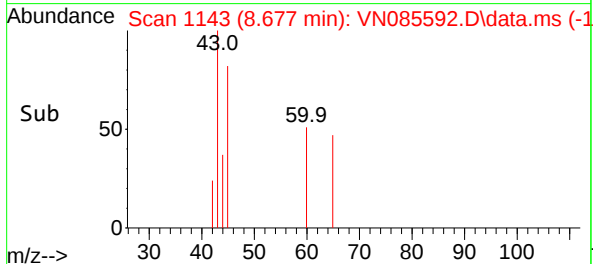
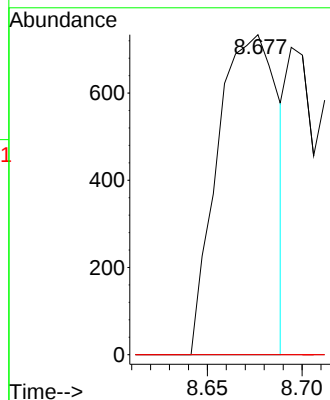
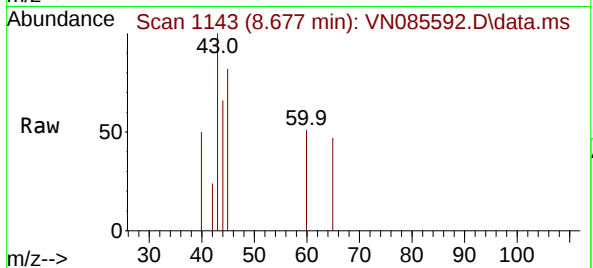




#43
Isopropyl Acetate
Concen: 0.338 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

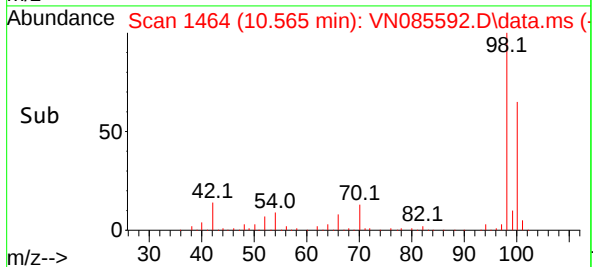
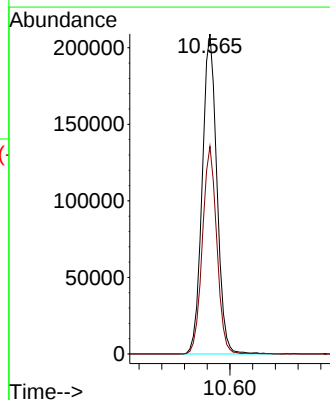
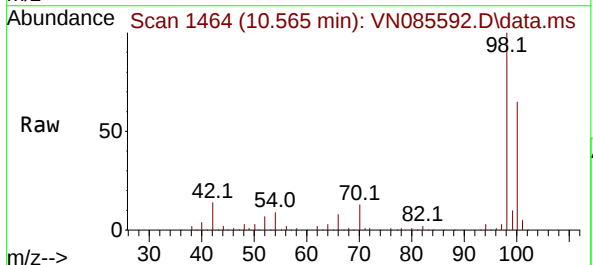
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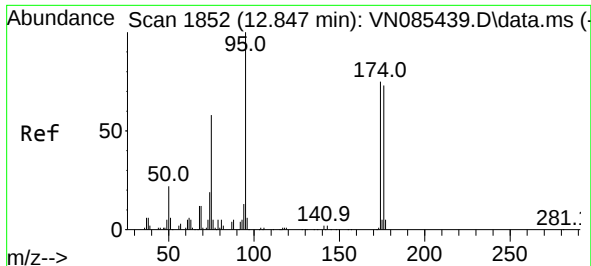
Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#



#50
Toluene-d8
Concen: 49.741 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 98 Resp: 373656
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.4

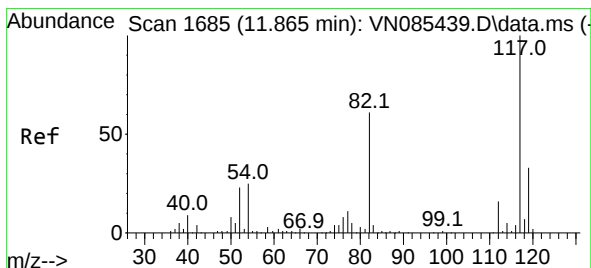
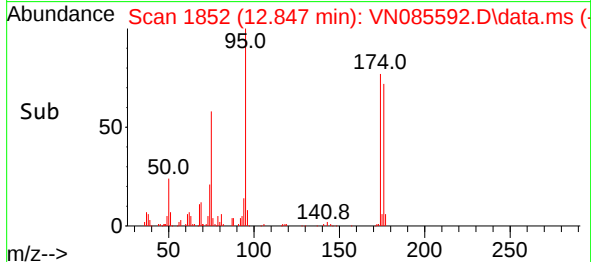
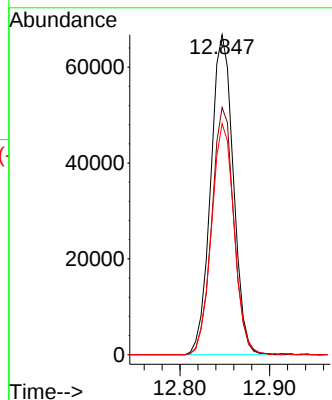
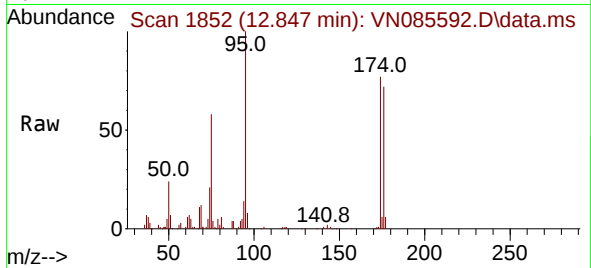




#62
4-Bromofluorobenzene
Concen: 45.373 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

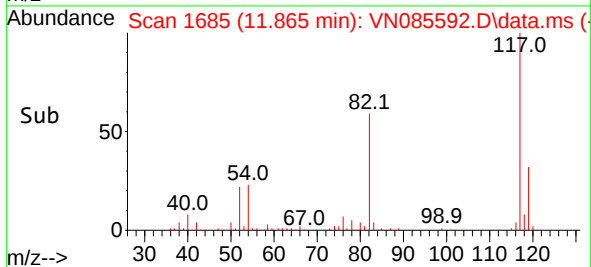
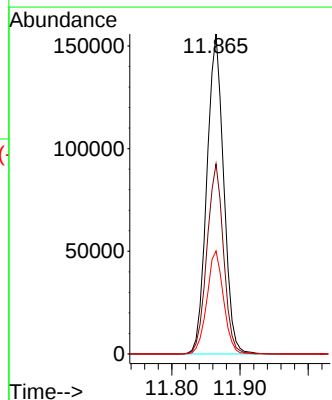
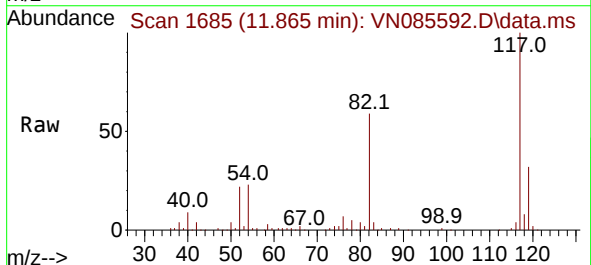
Instrument :
MSVOA_N
ClientSampleId :

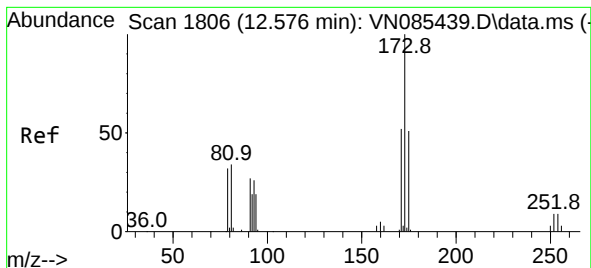
Tgt Ion: 95 Resp: 116594
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.0
176 72.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 117 Resp: 267449
Ion Ratio Lower Upper
117 100
82 59.4 48.6 72.8
119 32.2 26.6 39.8





#71

Bromoform

Concen: 0.441 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

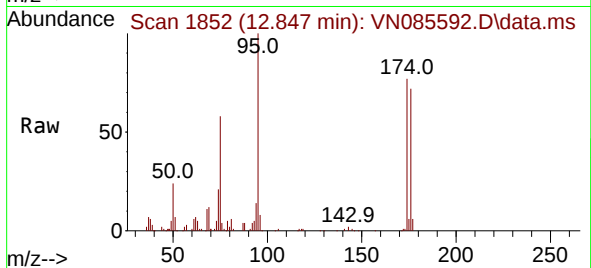
Lab File: VN085592.D

Acq: 31 Jan 2025 10:42

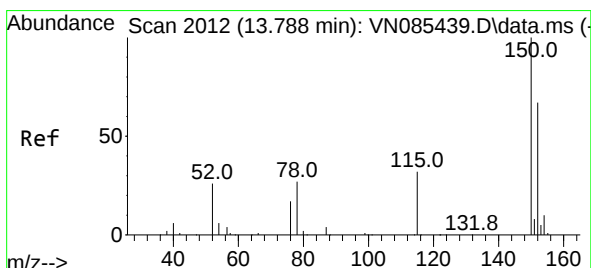
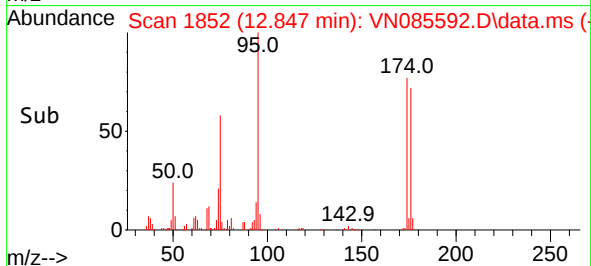
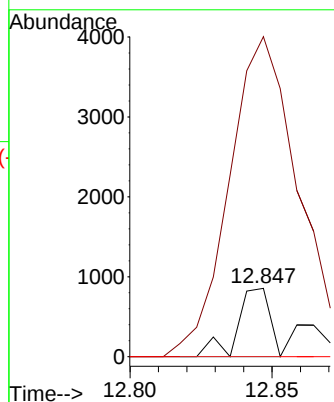
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	679
Ion Ratio	Lower	Upper	
173	100		
175	766.0	24.4	73.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

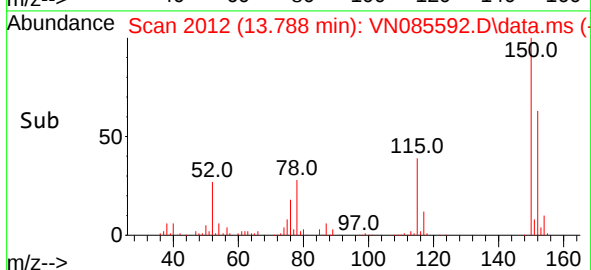
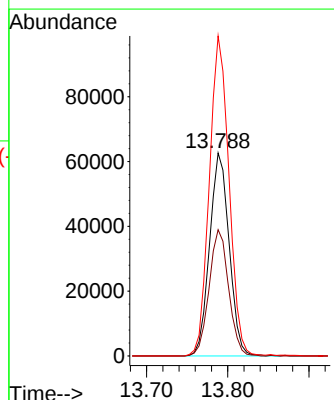
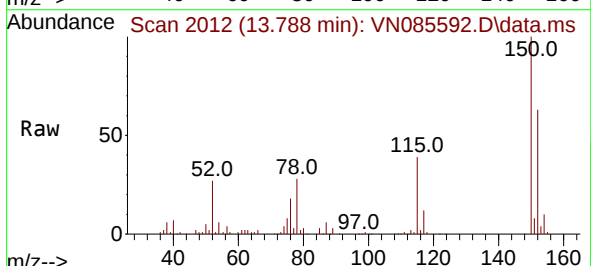
RT: 13.788 min Scan# 2012

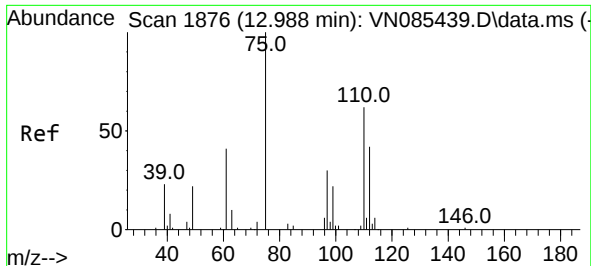
Delta R.T. 0.000 min

Lab File: VN085592.D

Acq: 31 Jan 2025 10:42

Tgt Ion:	152	Resp:	104737
Ion Ratio	Lower	Upper	
152	100		
115	62.0	31.1	93.3
150	158.0	0.0	343.6

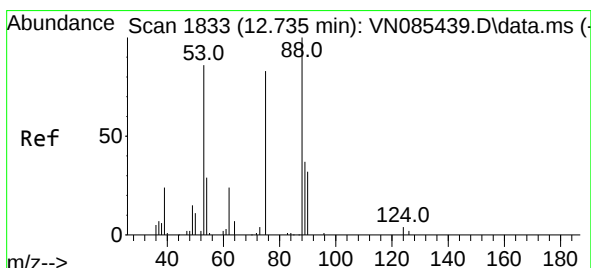
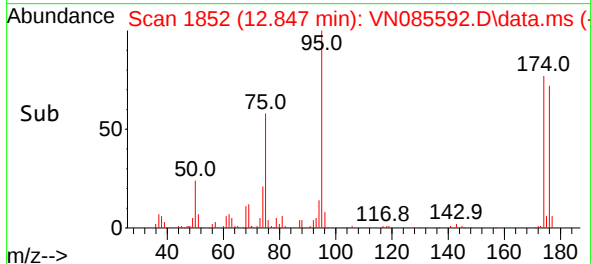
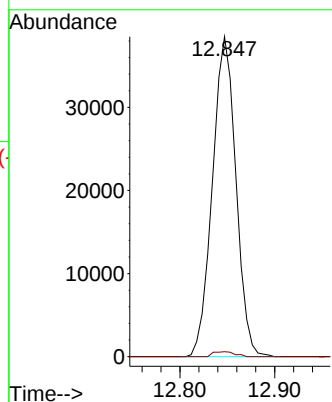
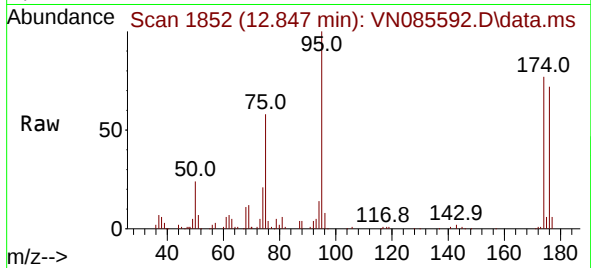




#76
1,2,3-Trichloropropane
Concen: 31.179 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

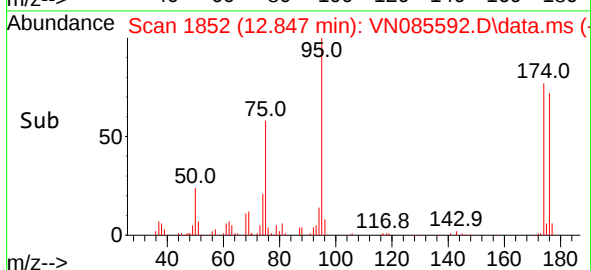
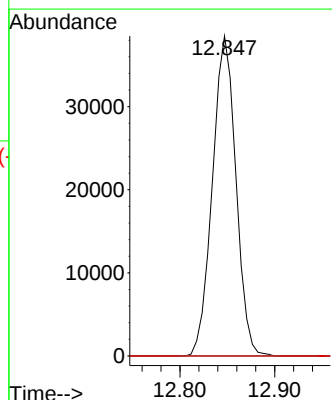
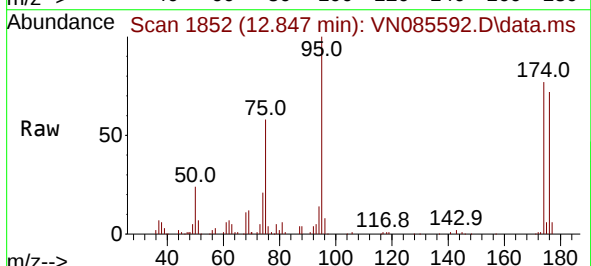
Instrument :
MSVOA_N
ClientSampleId :

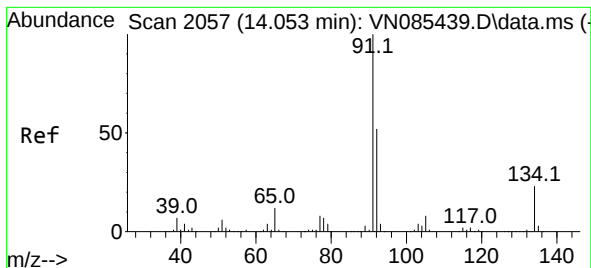
Tgt Ion: 75 Resp: 66375
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.358 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 75 Resp: 66375
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#





#89

n-Butylbenzene

Concen: 0.335 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085592.D

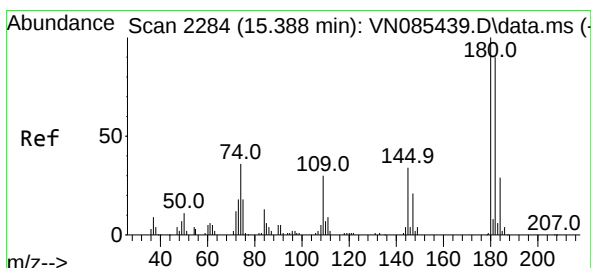
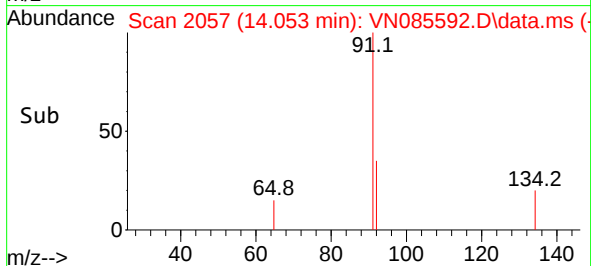
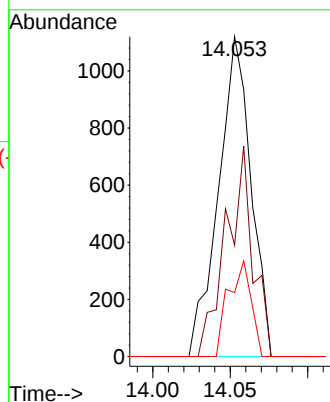
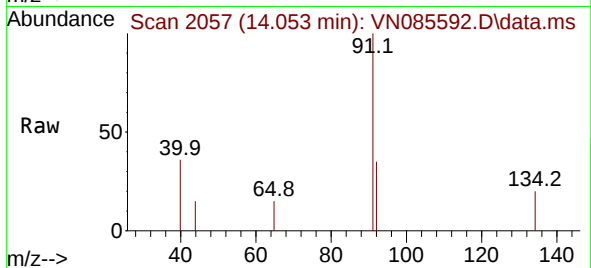
Acq: 31 Jan 2025 10:42

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	1634
Ion	Ratio	Lower	Upper
91	100		
92	54.0	25.8	77.3
134	20.9	11.7	35.1



#93

1,2,4-Trichlorobenzene

Concen: 0.481 ug/l

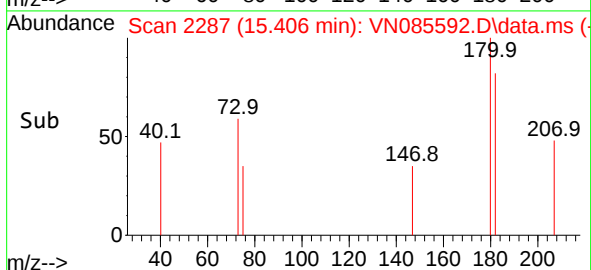
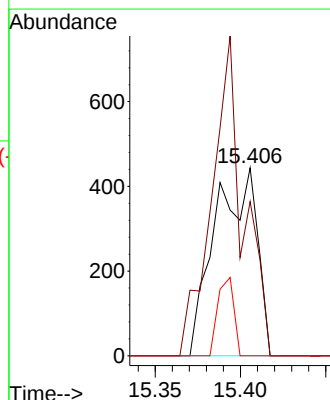
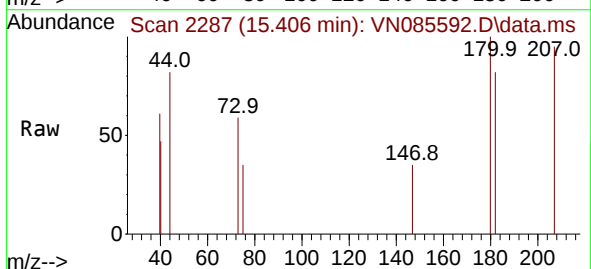
RT: 15.406 min Scan# 2287

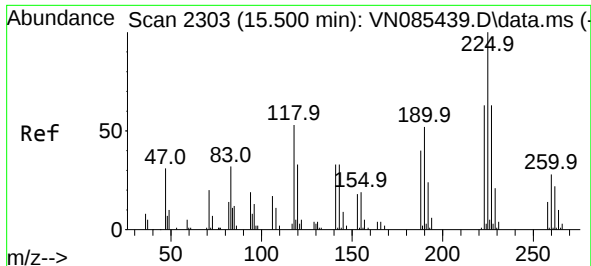
Delta R.T. 0.018 min

Lab File: VN085592.D

Acq: 31 Jan 2025 10:42

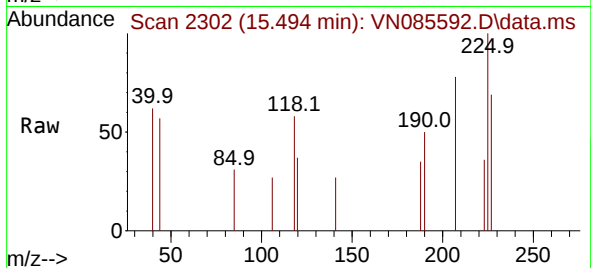
Tgt Ion:	180	Resp:	759
Ion	Ratio	Lower	Upper
180	100		
182	128.5	46.8	140.3
145	15.9	16.0	48.0



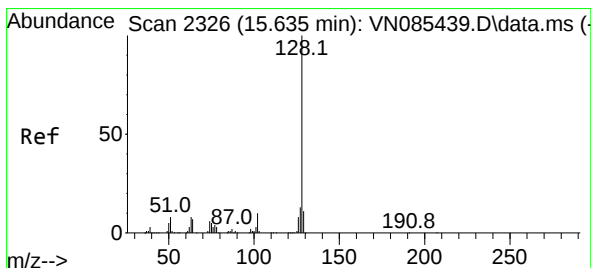
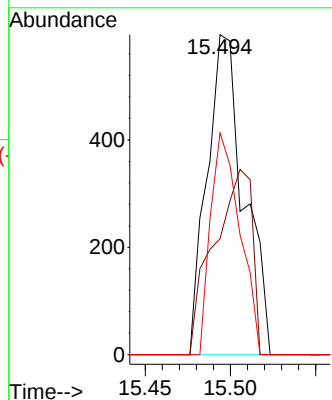
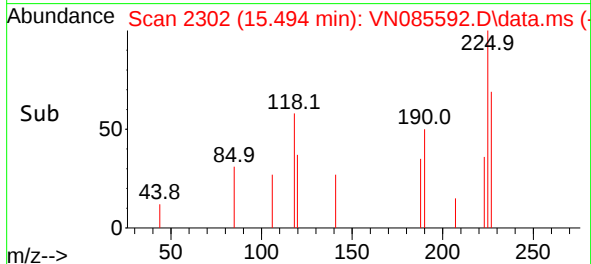


#94
Hexachlorobutadiene
Concen: 1.076 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42

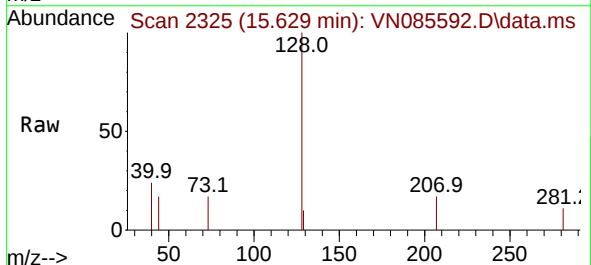
Instrument :
MSVOA_N
ClientSampleId :



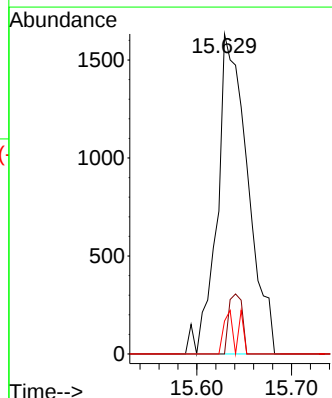
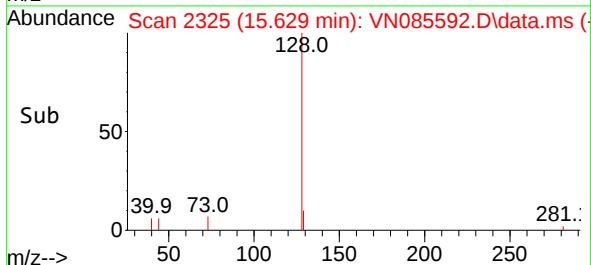
Tgt Ion:225 Resp: 901
Ion Ratio Lower Upper
225 100
223 59.9 30.7 92.1
227 54.6 30.9 92.5

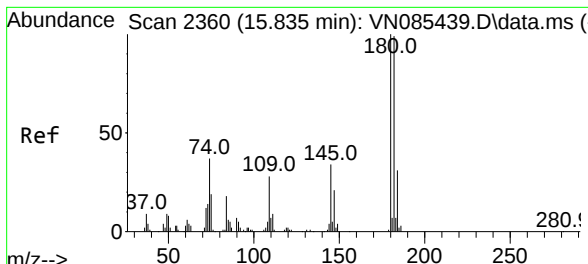


#95
Naphthalene
Concen: 0.777 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.006 min
Lab File: VN085592.D
Acq: 31 Jan 2025 10:42



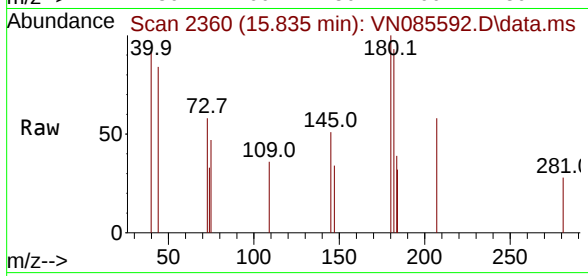
Tgt Ion:128 Resp: 3655
Ion Ratio Lower Upper
128 100
127 8.3 10.6 16.0#
129 5.9 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.725 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN085592.D
 Acq: 31 Jan 2025 10:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1156

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	20.0	16.9	50.7

