

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013025\
 Data File : VN085581.D
 Acq On : 30 Jan 2025 15:54
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jan 31 02:36:38 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	169047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111622	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150035	54.983	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.960%	
35) Dibromofluoromethane	8.165	113	112634	52.013	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.020%	
50) Toluene-d8	10.565	98	382724	49.743	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	12.847	95	123710	47.004	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.000%	

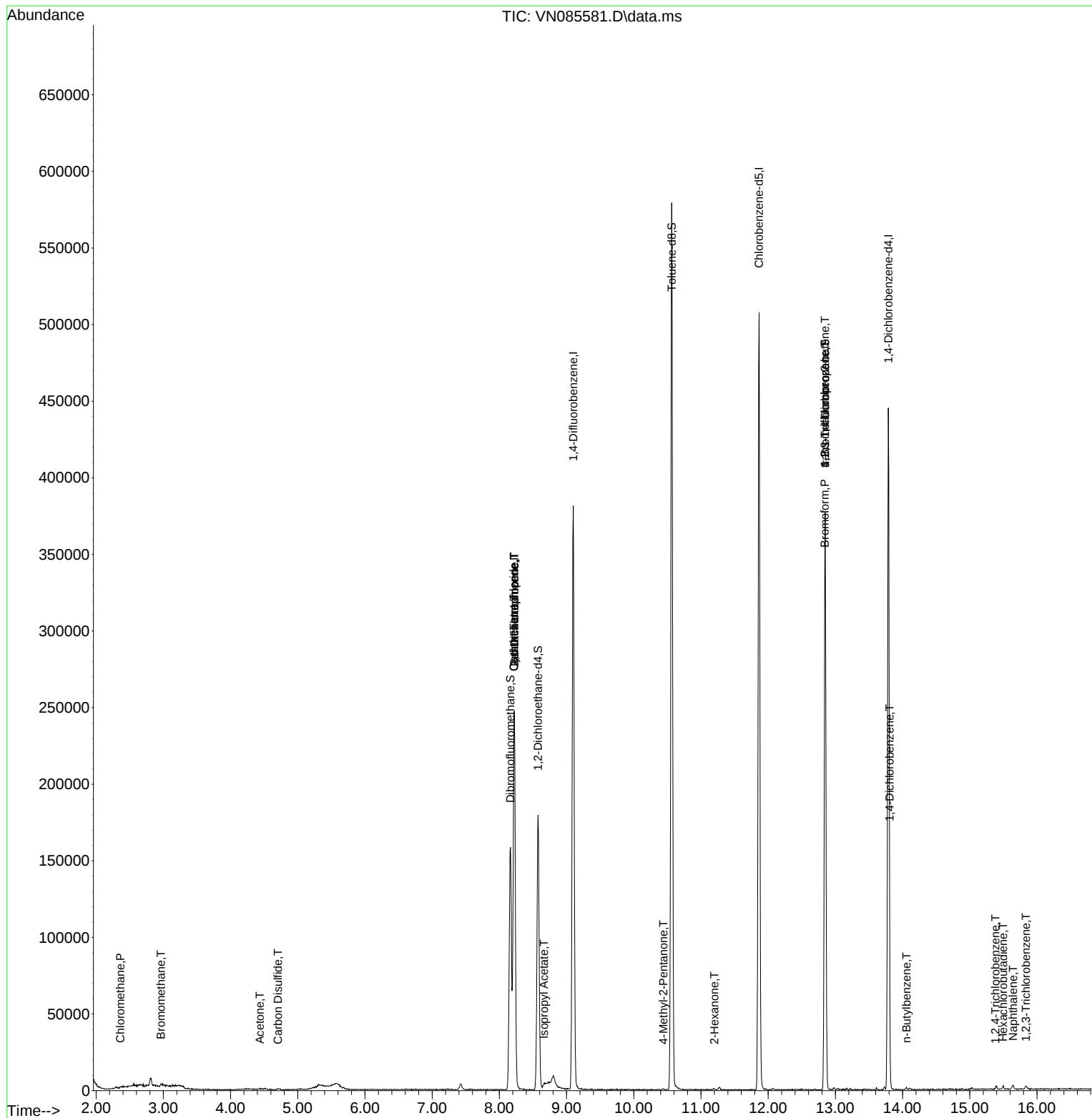
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	574	0.232	ug/l #	41
5) Bromomethane	2.965	94	657	0.437	ug/l #	80
16) Acetone	4.436	43	415	0.471	ug/l #	45
17) Carbon Disulfide	4.706	76	1459	0.261	ug/l #	76
31) Cyclohexane	8.218	56	4742	1.369	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	16133	5.308	ug/l #	50
38) Carbon Tetrachloride	8.218	117	18949	5.446	ug/l #	17
43) Isopropyl Acetate	8.665	43	2308	0.470	ug/l #	55
51) 4-Methyl-2-Pentanone	10.441	43	685	0.240	ug/l #	37
59) 2-Hexanone	11.200	43	1002	0.499	ug/l #	52
71) Bromoform	12.841	173	1151	0.727	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70573	31.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70573	84.161	ug/l #	3
88) 1,4-Dichlorobenzene	13.806	146	911	0.242	ug/l #	1
89) n-Butylbenzene	14.059	91	1310	0.252	ug/l #	77
93) 1,2,4-Trichlorobenzene	15.382	180	1185	0.705	ug/l	85
94) Hexachlorobutadiene	15.494	225	651	0.730	ug/l	85
95) Naphthalene	15.647	128	3627	0.723	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.835	180	1215	0.715	ug/l	91

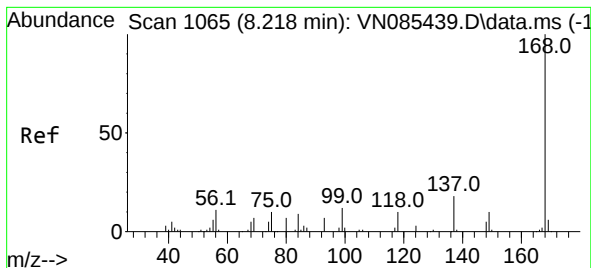
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

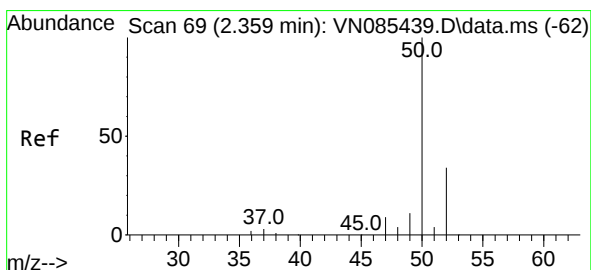
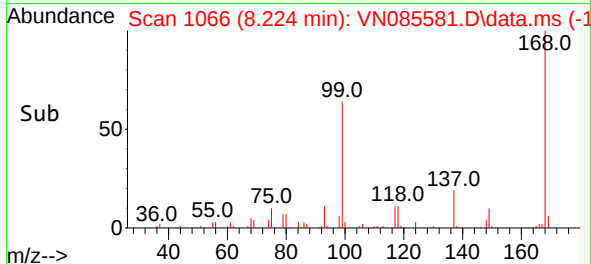
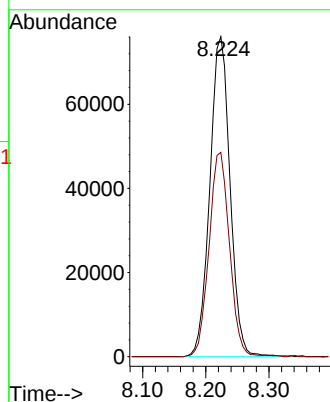
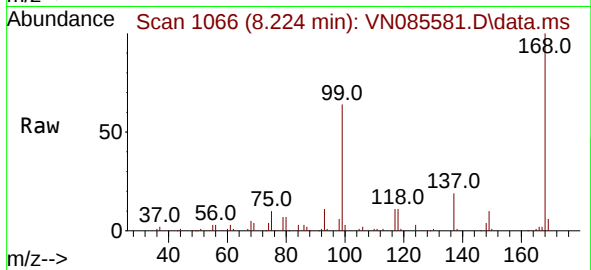




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

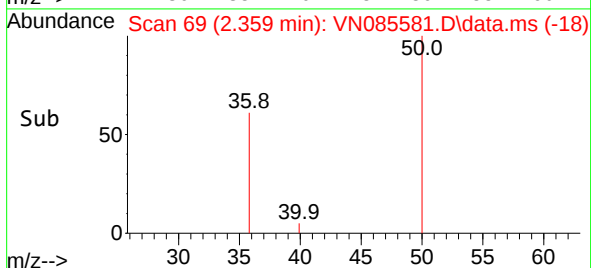
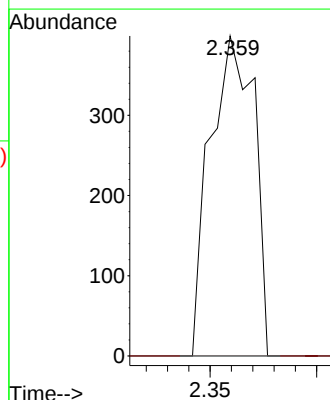
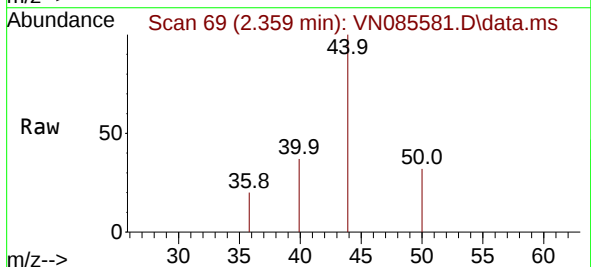
Instrument :
MSVOA_N
ClientSampleId :
IBLK

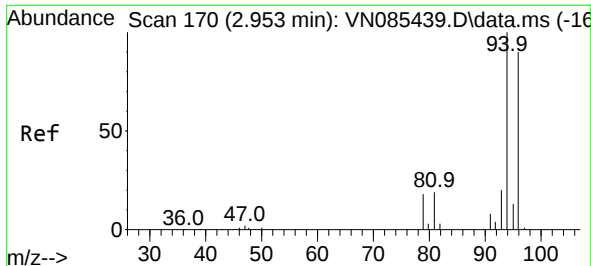
Tgt Ion:168 Resp: 169047
Ion Ratio Lower Upper
168 100
99 63.9 53.6 80.4



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion: 50 Resp: 574
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

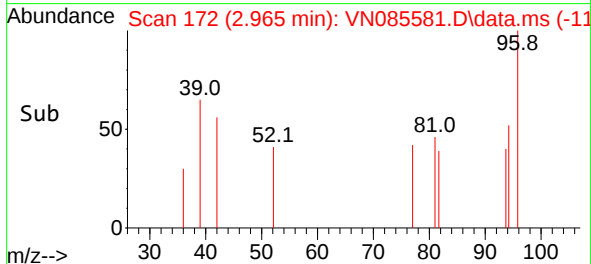
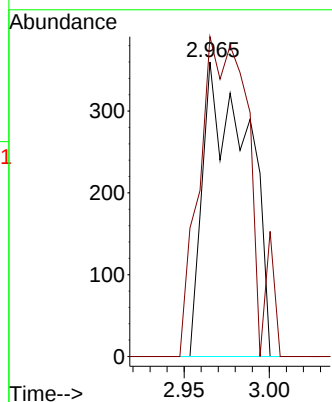
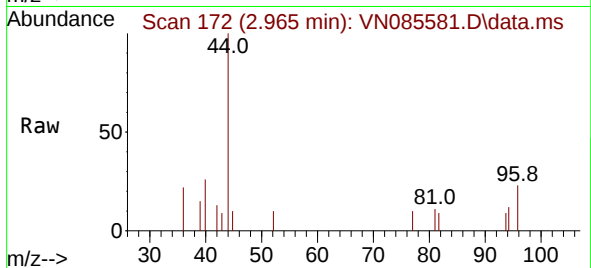




#5
Bromomethane
Concen: 0.437 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

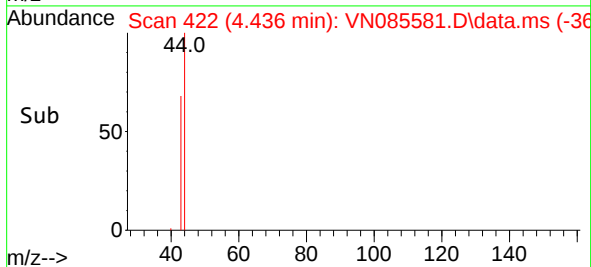
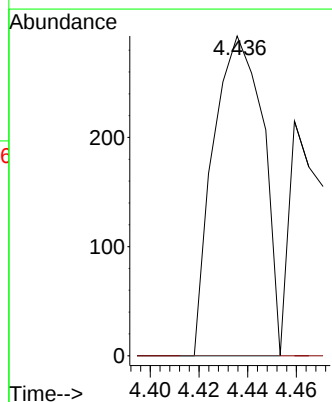
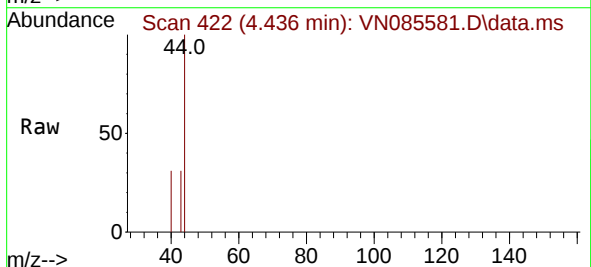
Instrument :
MSVOA_N
ClientSampleId :
IBLK

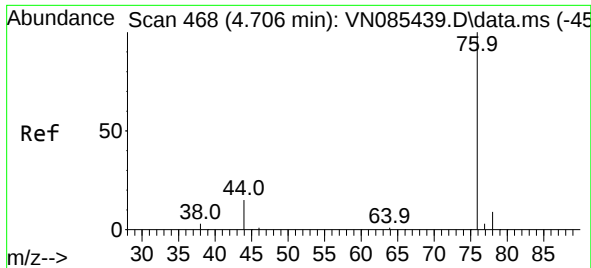
Tgt Ion: 94 Resp: 657
Ion Ratio Lower Upper
94 100
96 108.6 71.8 107.6#



#16
Acetone
Concen: 0.471 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion: 43 Resp: 415
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#

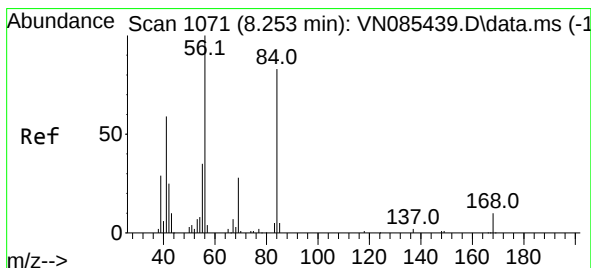
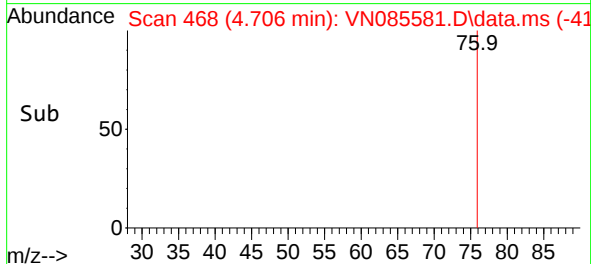
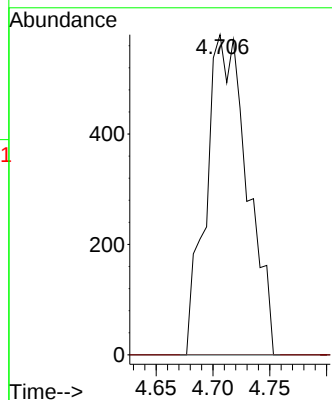
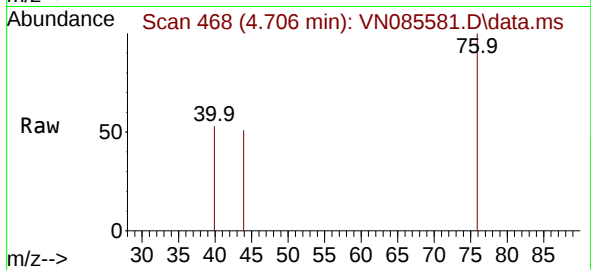




#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

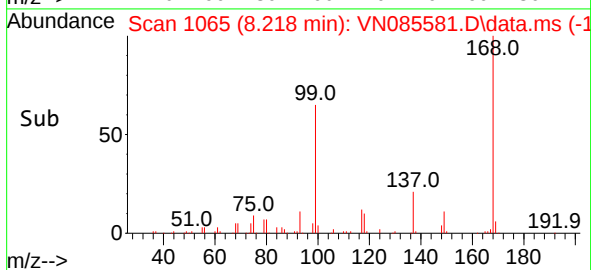
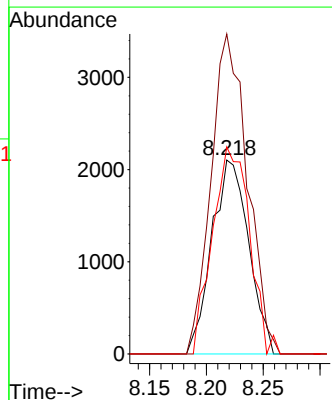
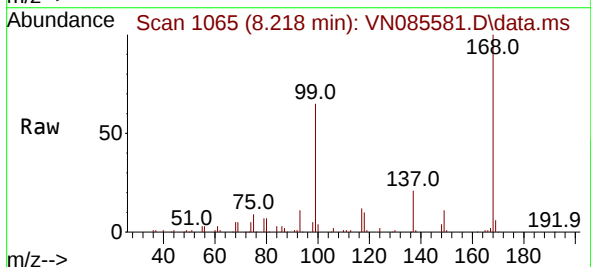
Instrument :
MSVOA_N
ClientSampleId :
IBLK

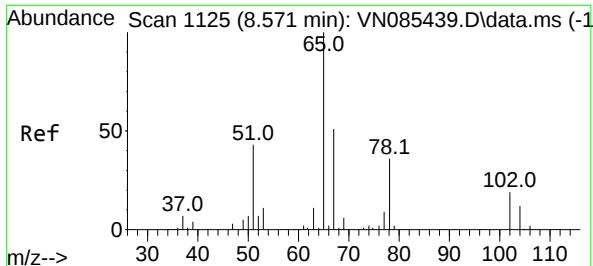
Tgt Ion: 76 Resp: 1459
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#31
Cyclohexane
Concen: 1.369 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion: 56 Resp: 4742
Ion Ratio Lower Upper
56 100
69 165.0 22.2 33.4#
84 106.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.983 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085581.D

Acq: 30 Jan 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

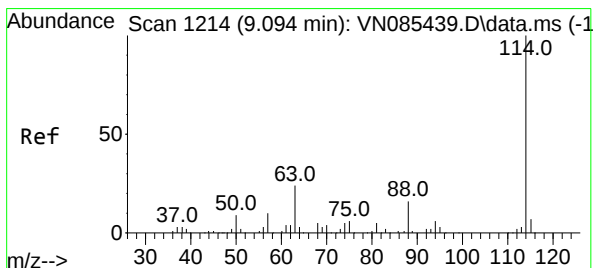
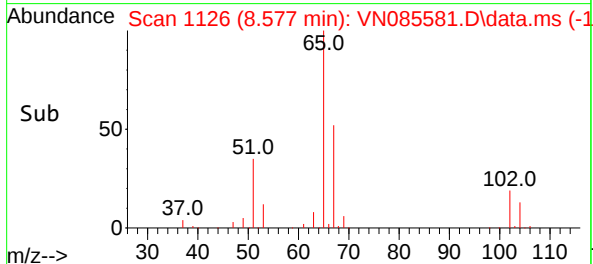
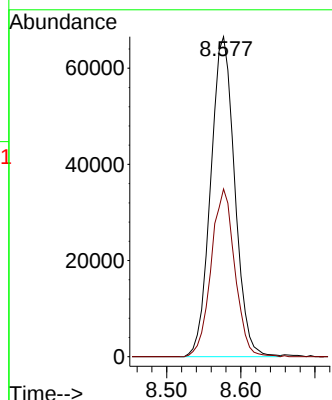
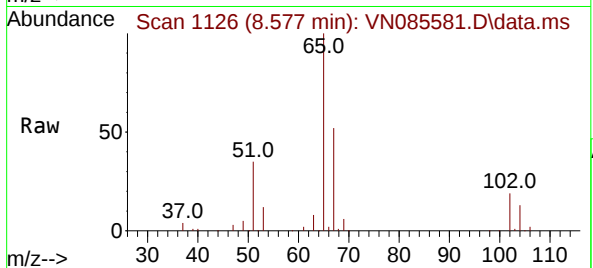
IBLK

Tgt Ion: 65 Resp: 150035

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085581.D

Acq: 30 Jan 2025 15:54

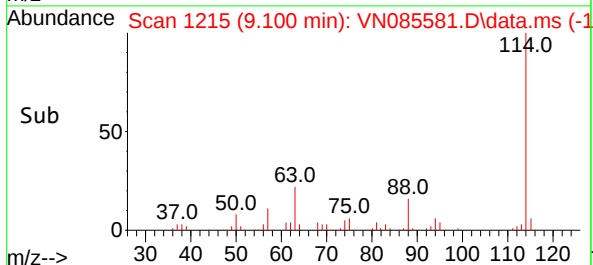
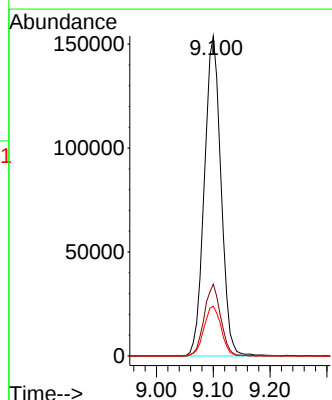
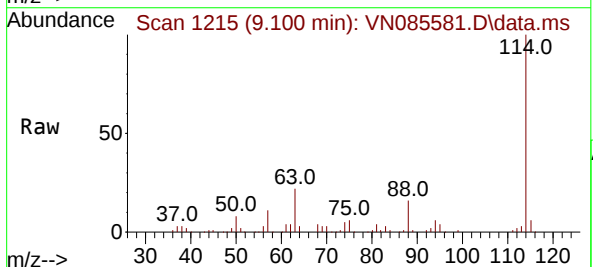
Tgt Ion: 114 Resp: 312142

Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.6

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.013 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085581.D

Acq: 30 Jan 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

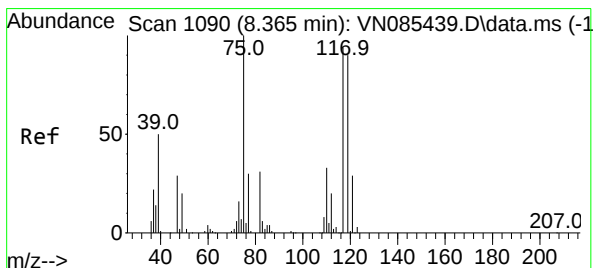
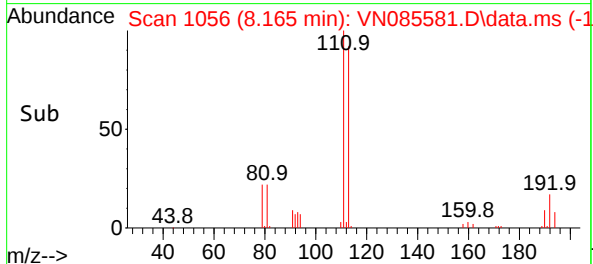
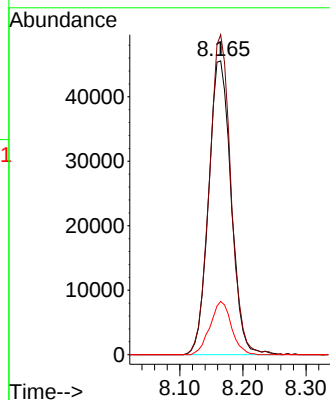
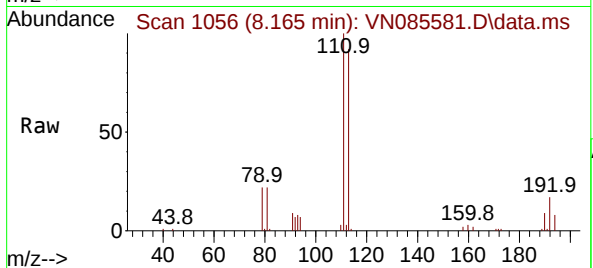
Tgt Ion:113 Resp: 112634

Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.308 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085581.D

Acq: 30 Jan 2025 15:54

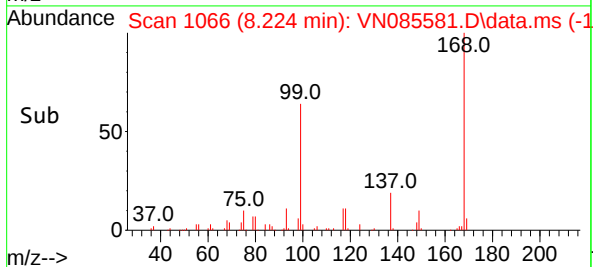
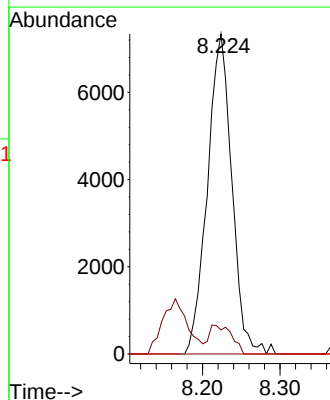
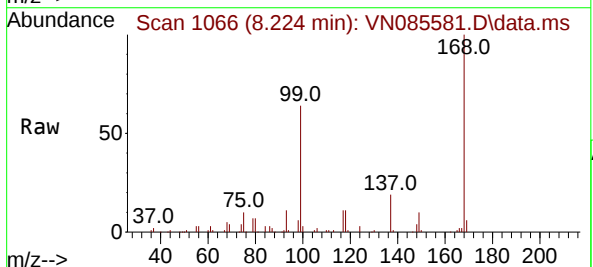
Tgt Ion: 75 Resp: 16133

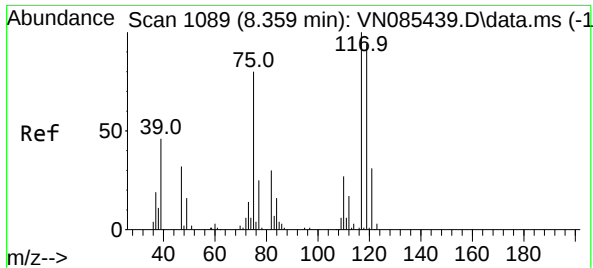
Ion Ratio Lower Upper

75 100

110 8.3 16.5 49.5#

77 0.0 24.4 36.6#

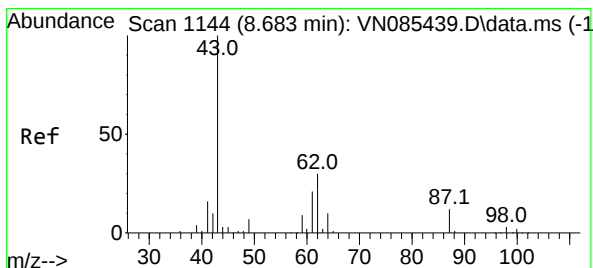
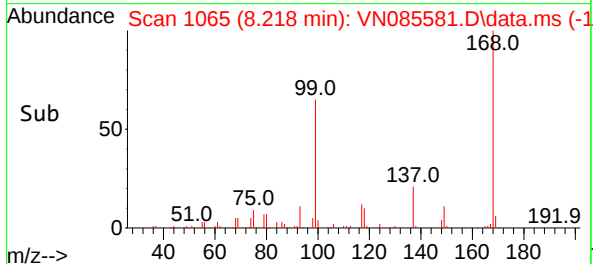
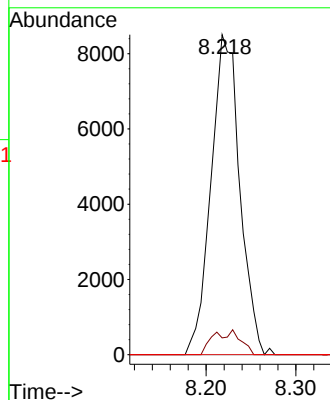
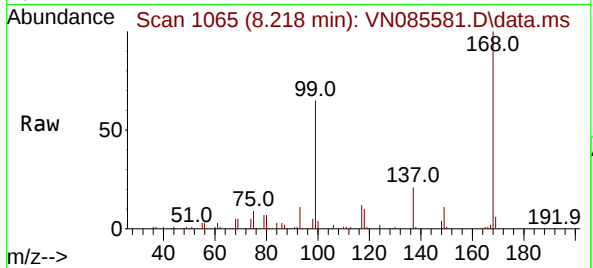




#38
Carbon Tetrachloride
Concen: 5.446 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

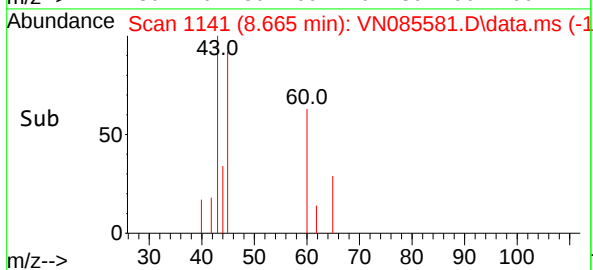
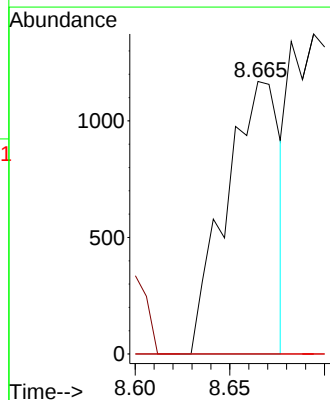
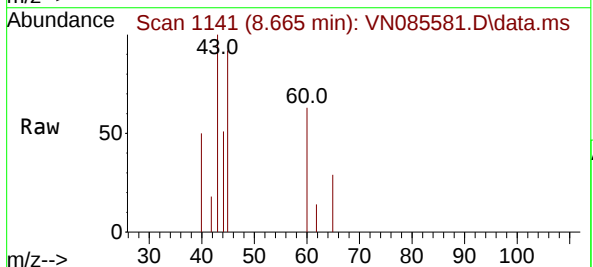
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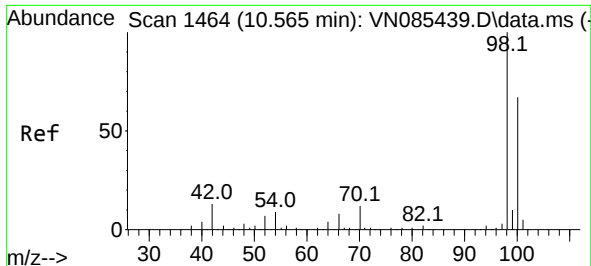
Tgt Ion:117 Resp: 18949
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.470 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.018 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

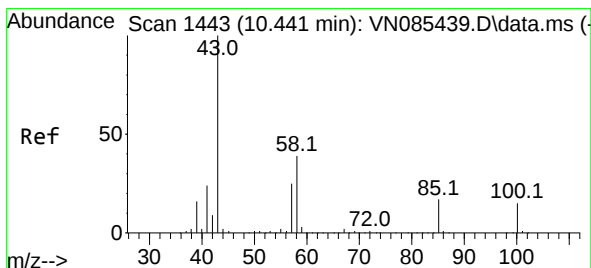
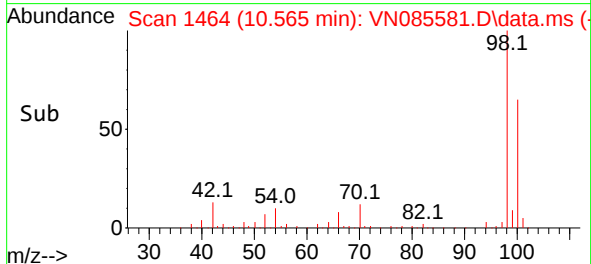
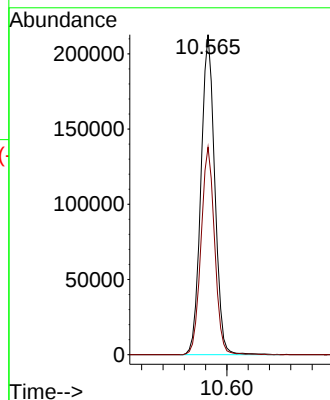
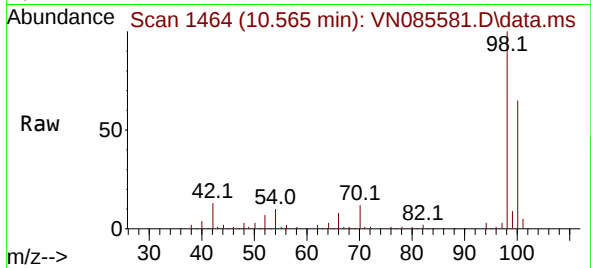




#50
Toluene-d8
Concen: 49.743 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

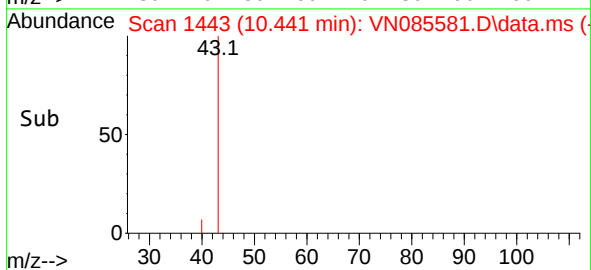
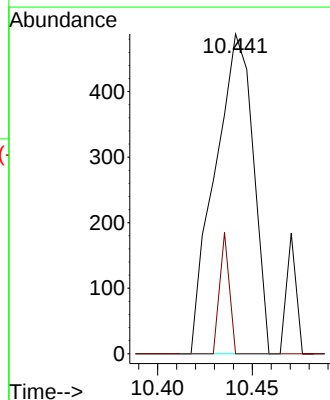
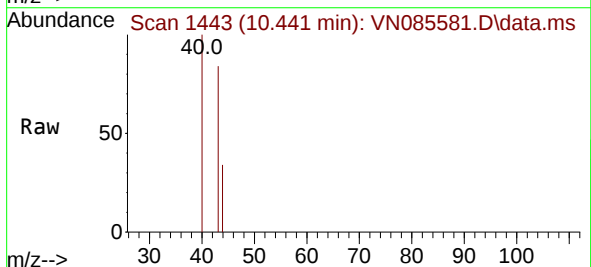
Instrument :
MSVOA_N
ClientSampleId :
IBLK

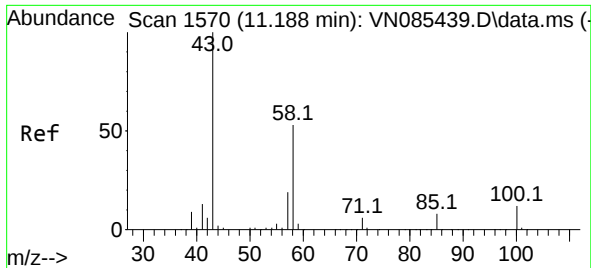
Tgt Ion: 98 Resp: 382724
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#

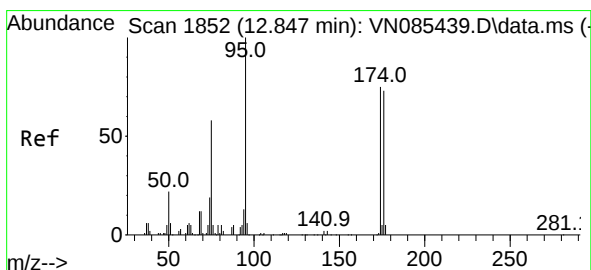
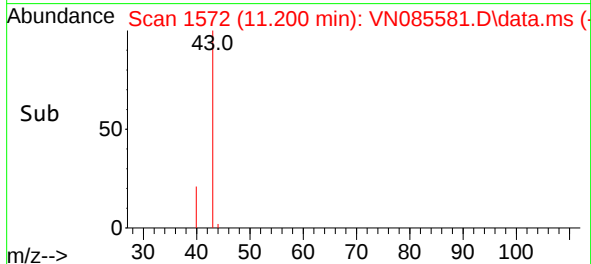
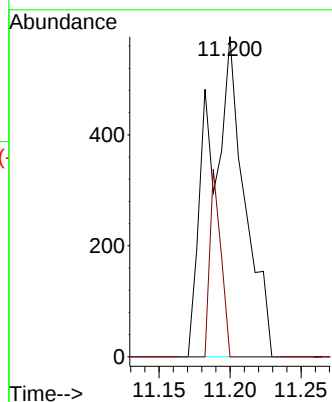
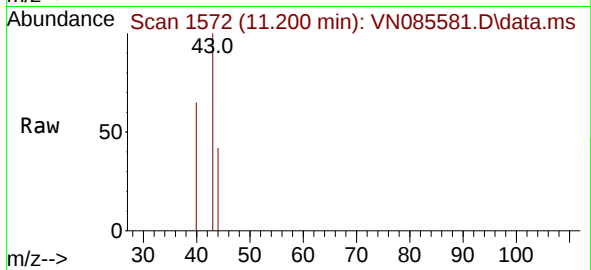




#59
2-Hexanone
Concen: 0.499 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

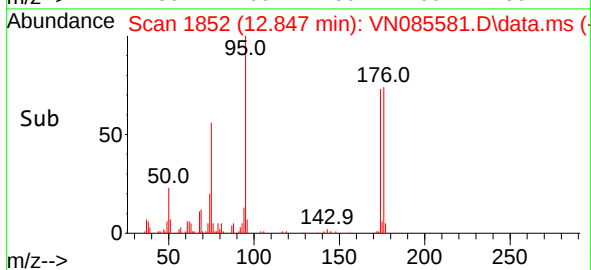
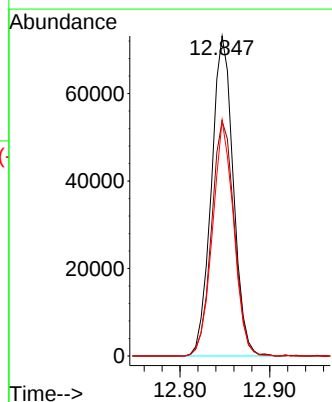
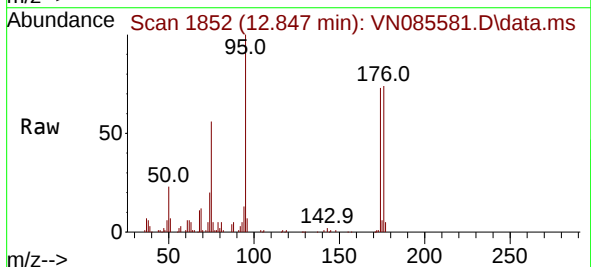
Instrument :
MSVOA_N
ClientSampleId :
IBLK

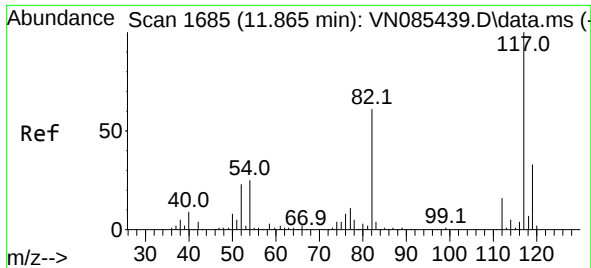
Tgt Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
58 18.3 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 47.004 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion: 95 Resp: 123710
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.0
176 71.4 0.0 142.4

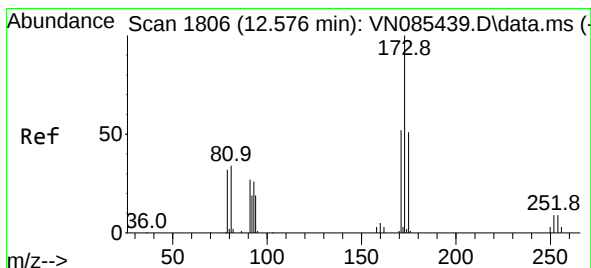
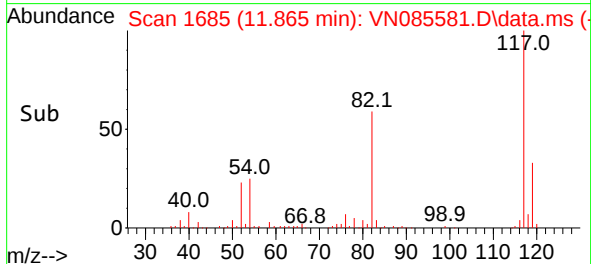
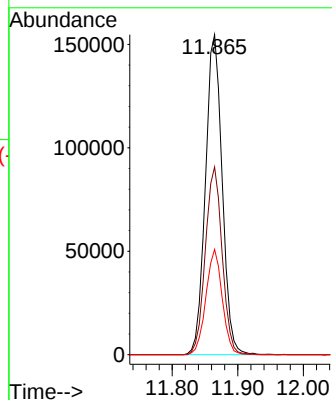
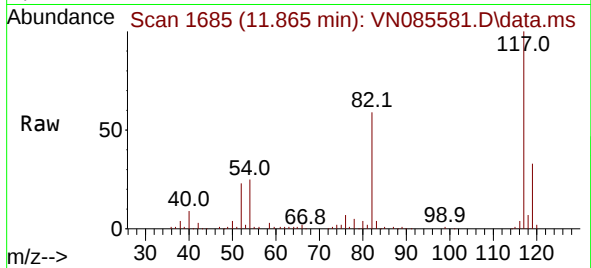




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

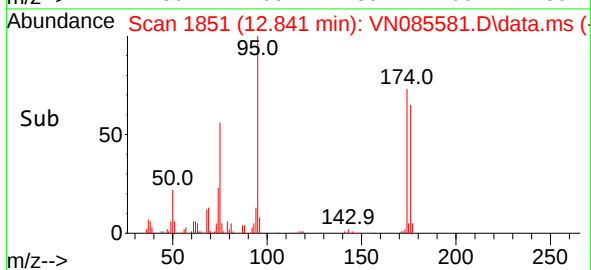
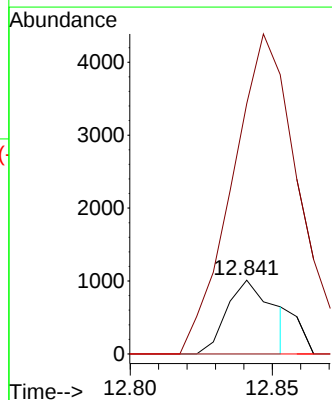
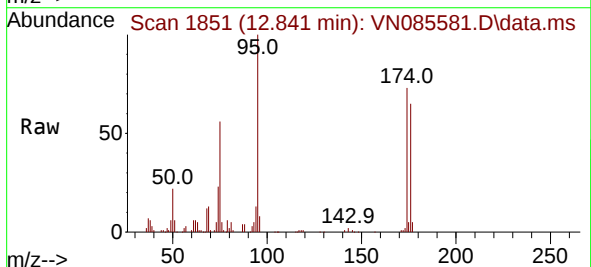
Instrument :
MSVOA_N
ClientSampleId :
IBLK

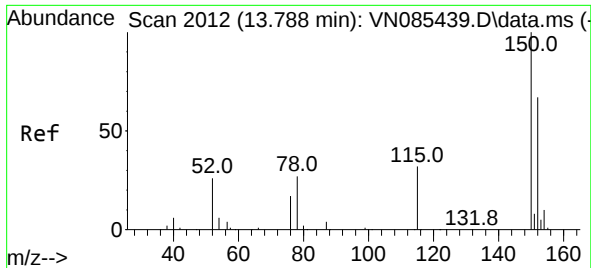
Tgt Ion:117 Resp: 275178
Ion Ratio Lower Upper
117 100
82 58.7 48.6 72.8
119 32.9 26.6 39.8



#71
Bromoform
Concen: 0.727 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion:173 Resp: 1151
Ion Ratio Lower Upper
173 100
175 475.9 24.4 73.2#
254 0.0 0.0 0.0

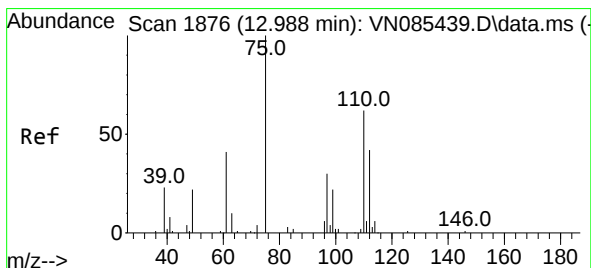
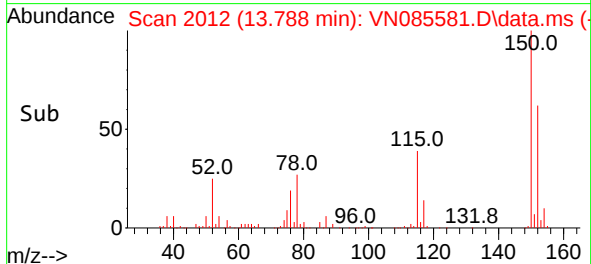
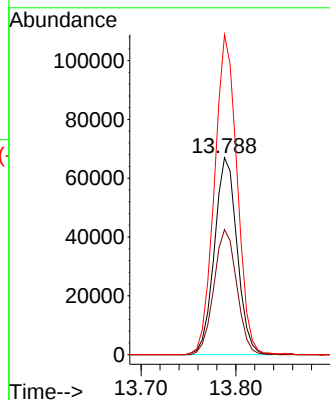
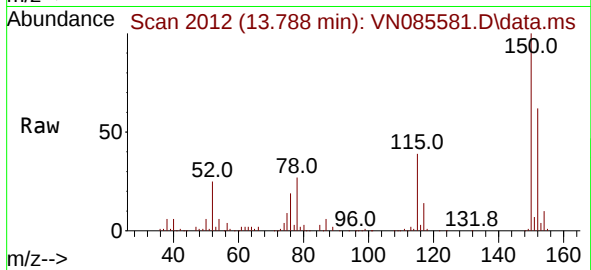




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085581.D
 Acq: 30 Jan 2025 15:54

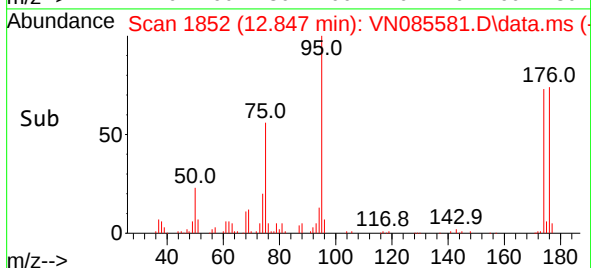
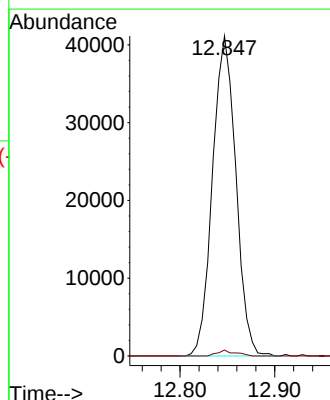
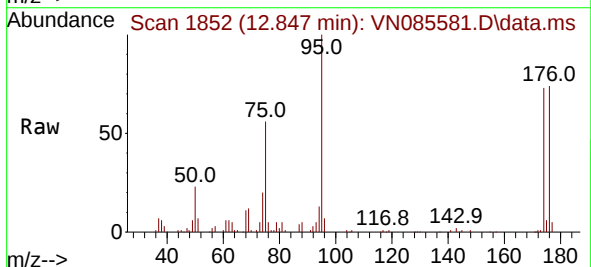
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

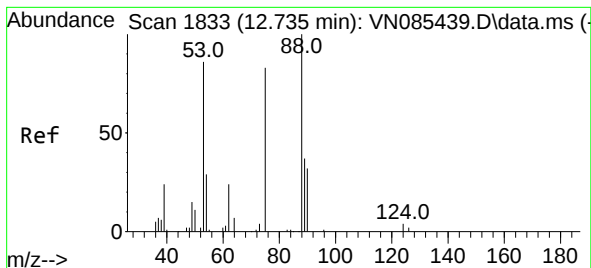
Tgt Ion:152 Resp: 111622
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.1 93.3
 150 162.1 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 31.107 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085581.D
 Acq: 30 Jan 2025 15:54

Tgt Ion: 75 Resp: 70573
 Ion Ratio Lower Upper
 75 100
 77 1.4 109.7 329.2#

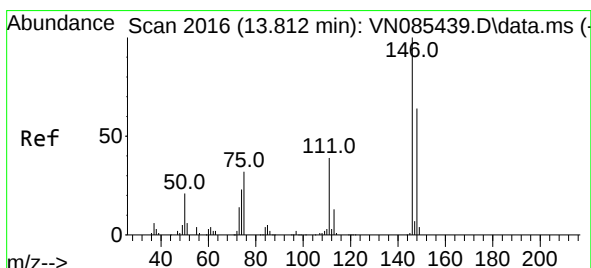
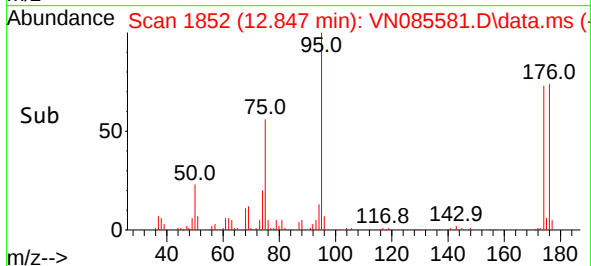
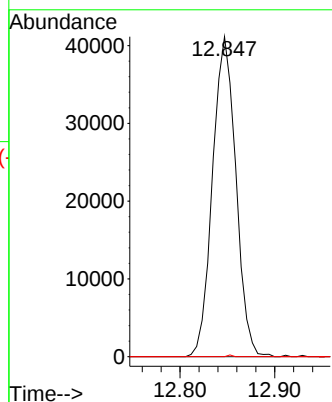
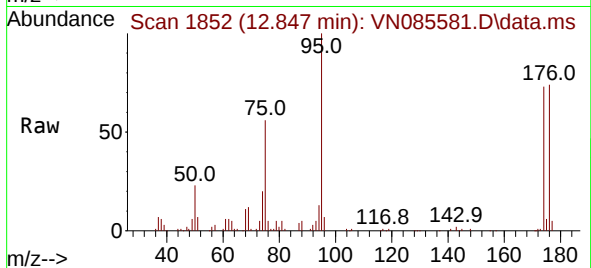




#81
trans-1,4-Dichloro-2-butene
Concen: 84.161 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

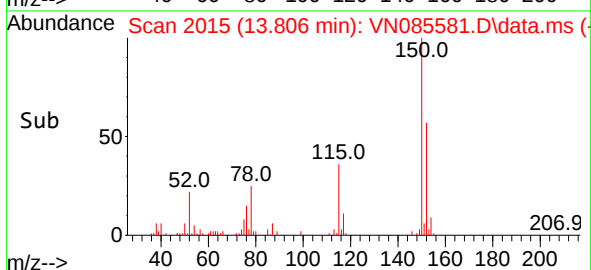
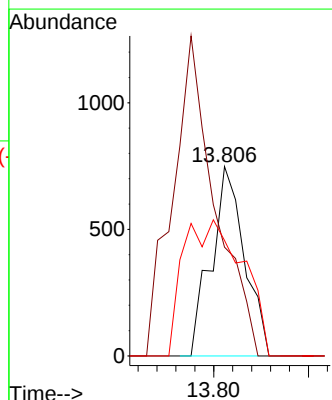
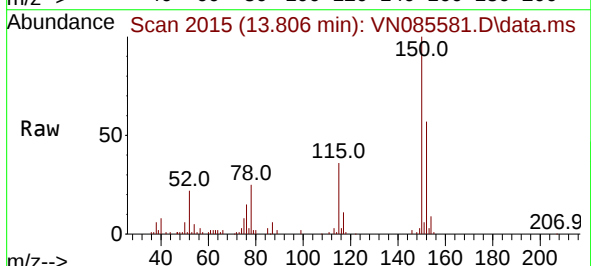
Instrument :
MSVOA_N
ClientSampleId :
IBLK

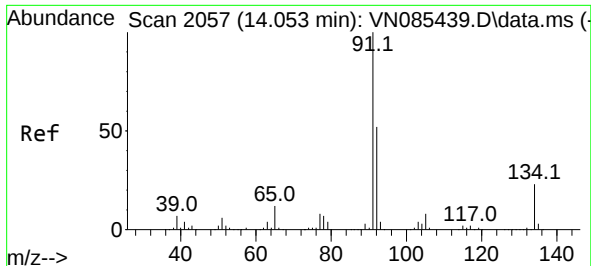
Tgt Ion: 75 Resp: 70573
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.1 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.242 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Tgt Ion:146 Resp: 911
Ion Ratio Lower Upper
146 100
111 215.7 21.3 63.7#
148 129.0 32.4 97.0#

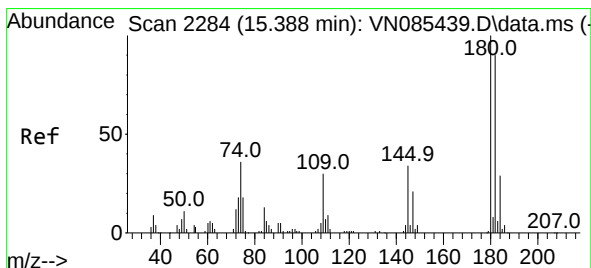
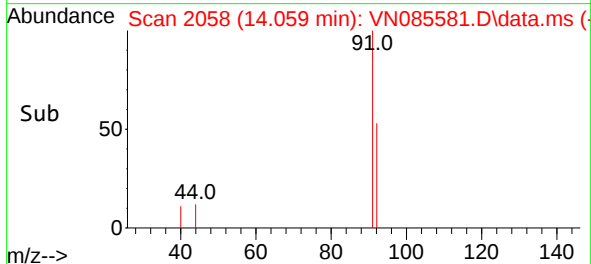
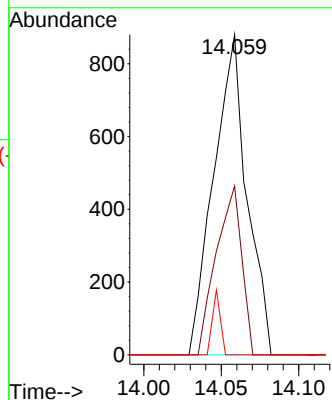
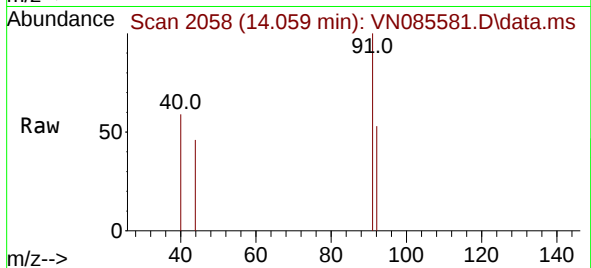




#89
n-Butylbenzene
Concen: 0.252 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

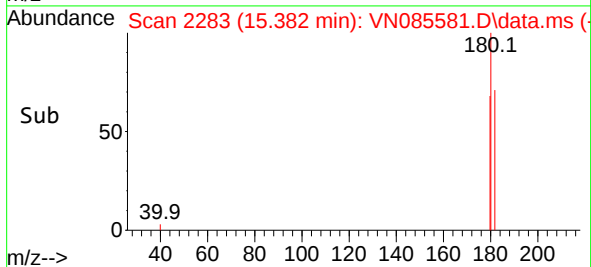
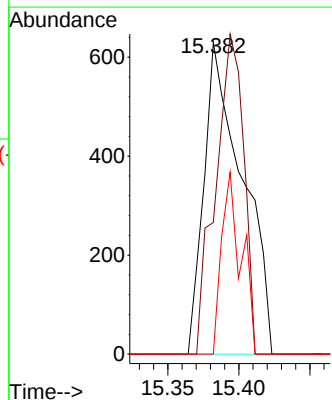
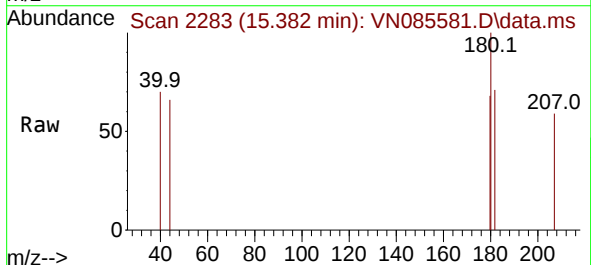
Instrument :
MSVOA_N
ClientSampleId :
IBLK

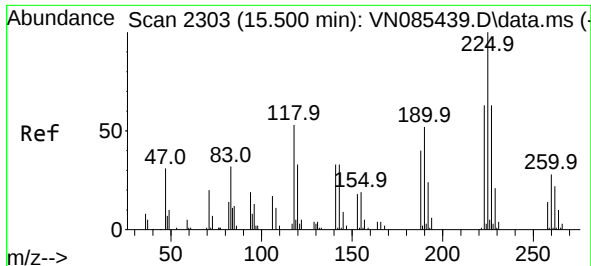
Tgt Ion: 91 Resp: 1310
Ion Ratio Lower Upper
91 100
92 40.5 25.8 77.3
134 4.8 11.7 35.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.705 ug/l
RT: 15.382 min Scan# 2283
Delta R.T. -0.006 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

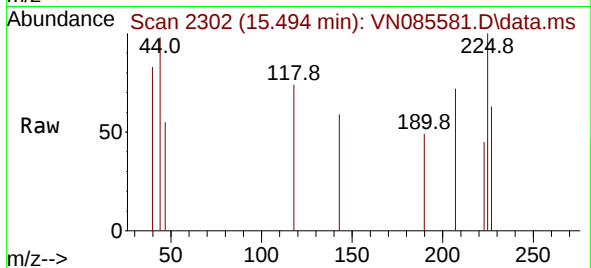
Tgt Ion:180 Resp: 1185
Ion Ratio Lower Upper
180 100
182 75.3 46.8 140.3
145 29.8 16.0 48.0



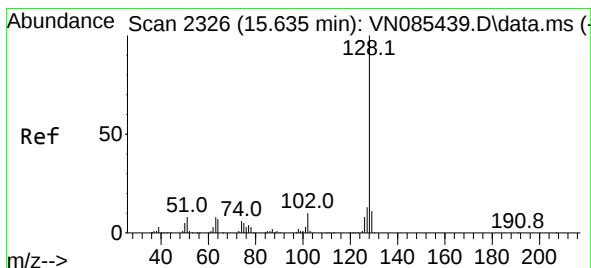
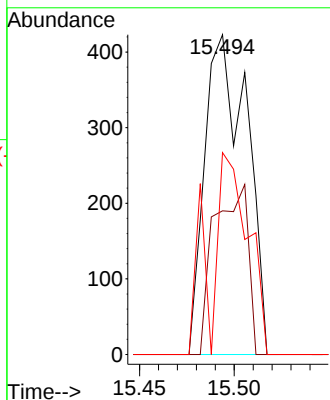
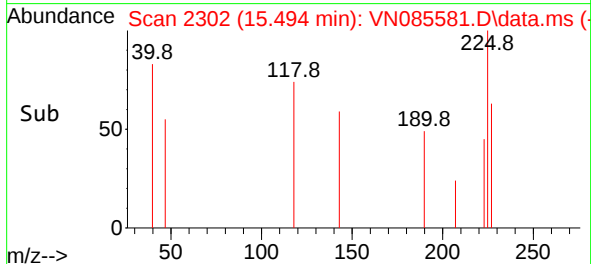


#94
Hexachlorobutadiene
Concen: 0.730 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
IBLK

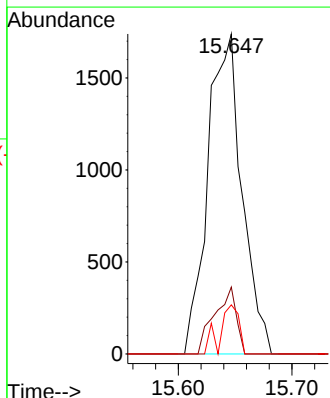
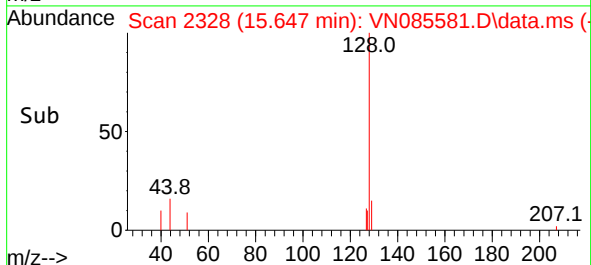
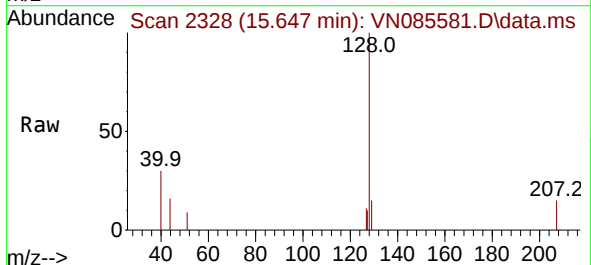


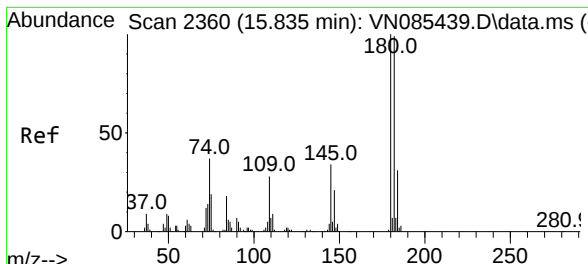
Tgt Ion:225 Resp: 651
Ion Ratio Lower Upper
225 100
223 42.5 30.7 92.1
227 57.0 30.9 92.5



#95
Naphthalene
Concen: 0.723 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085581.D
Acq: 30 Jan 2025 15:54

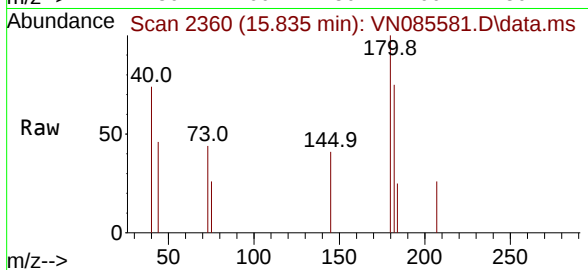
Tgt Ion:128 Resp: 3627
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 8.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.715 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN085581.D
 Acq: 30 Jan 2025 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1215
Ion Ratio	Lower	Upper	
180	100		
182	98.8	47.4	142.2
145	19.8	16.9	50.7

