

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085596.D
 Acq On : 31 Jan 2025 12:51
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jan 31 22:26:50 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)

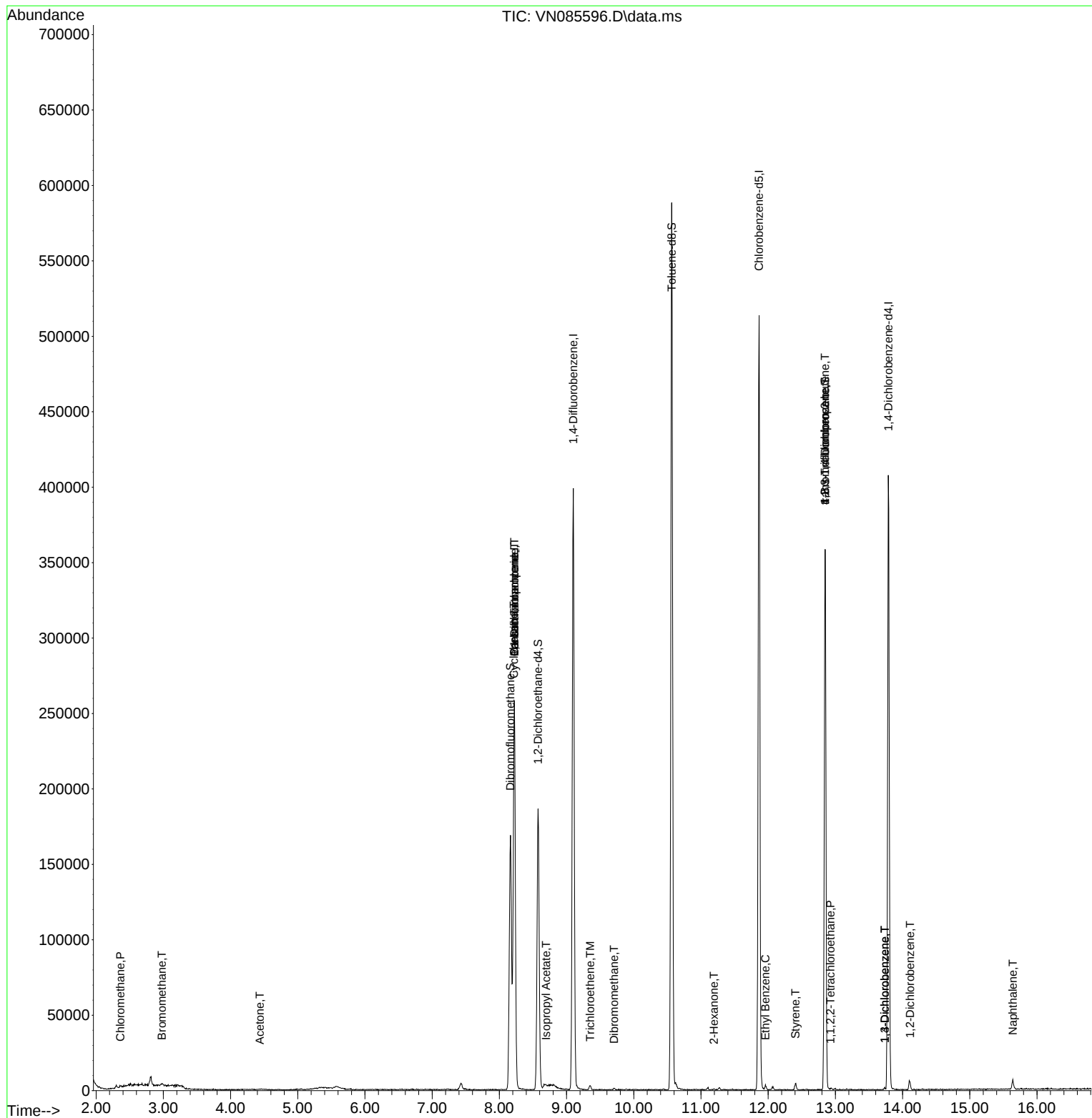
Internal Standards						
1) Pentafluorobenzene	8.224	168	173639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	157367	56.145	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.280%			
35) Dibromofluoromethane	8.165	113	117677	52.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.980%			
50) Toluene-d8	10.565	98	391320	49.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.847	95	119817	44.391	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.780%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	840	0.330	ug/l	93
5) Bromomethane	2.977	94	762	0.493	ug/l	86
16) Acetone	4.436	43	367	0.405	ug/l #	45
31) Cyclohexane	8.218	56	4716	1.326	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16132	5.176	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18812	5.272	ug/l #	18
43) Isopropyl Acetate	8.694	43	3504	0.695	ug/l #	55
44) Trichloroethene	9.353	130	1088	0.499	ug/l	89
46) Dibromomethane	9.706	93	409	0.237	ug/l	90
59) 2-Hexanone	11.194	43	547	0.266	ug/l #	40
67) Ethyl Benzene	11.959	91	2489	0.253	ug/l	99
70) Styrene	12.406	104	1941	0.338	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.929	83	687	0.279	ug/l #	93
76) 1,2,3-Trichloropropane	12.847	75	67453	32.142	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67453	86.963	ug/l #	3
87) 1,3-Dichlorobenzene	13.735	146	736	0.220	ug/l	90
88) 1,4-Dichlorobenzene	13.735	146	736	0.212	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	3247	0.971	ug/l	95
95) Naphthalene	15.641	128	6578	1.418	ug/l #	95

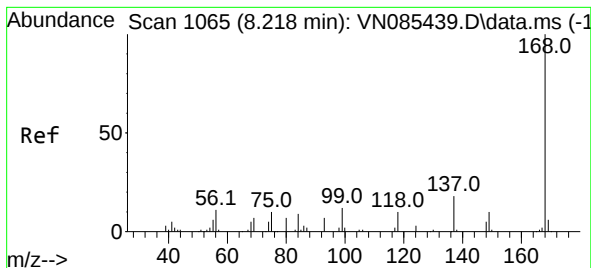
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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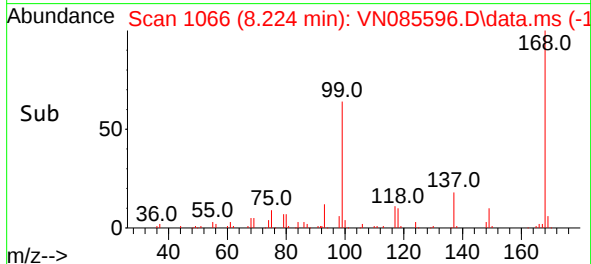
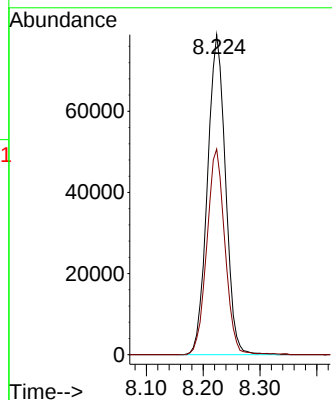
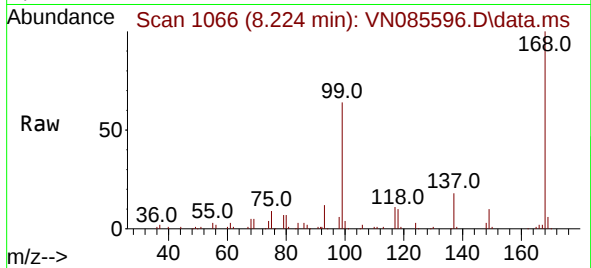




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

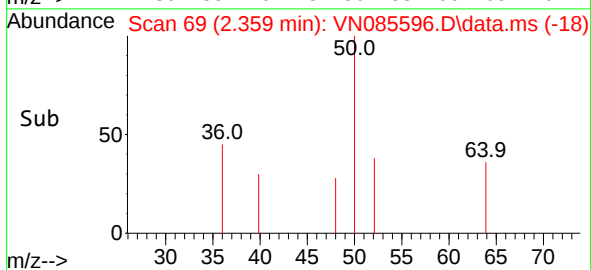
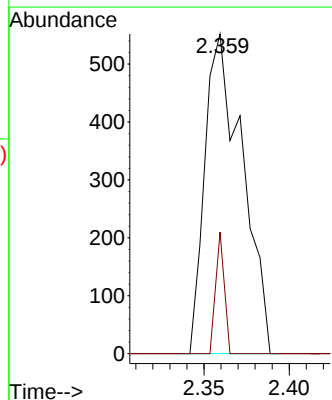
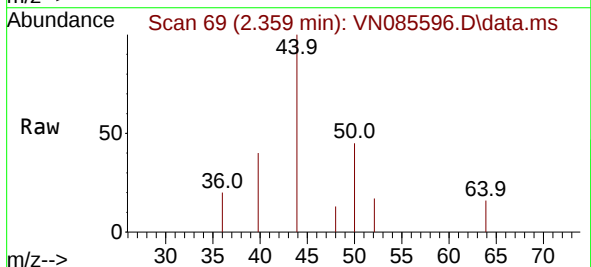
Instrument :
MSVOA_N
ClientSampleId :
IBLK

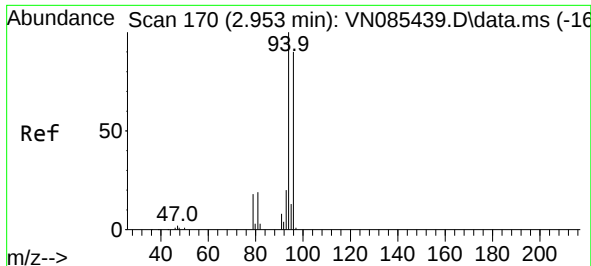
Tgt Ion:168 Resp: 173639
Ion Ratio Lower Upper
168 100
99 64.3 53.6 80.4



#3
Chloromethane
Concen: 0.330 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 50 Resp: 840
Ion Ratio Lower Upper
50 100
52 38.0 27.0 40.6

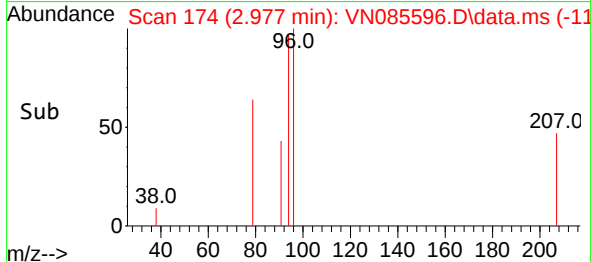
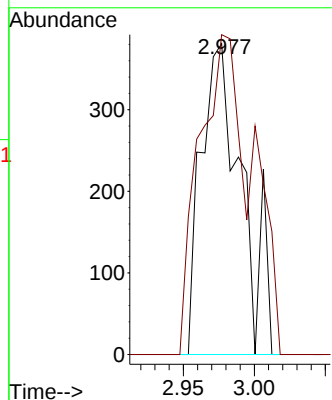
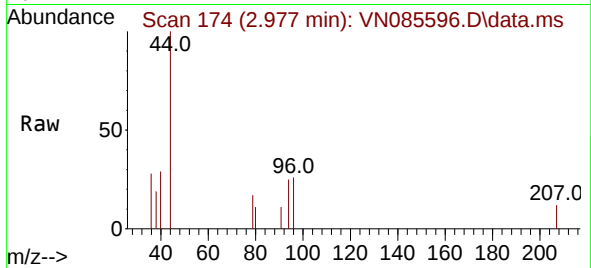




#5
Bromomethane
Concen: 0.493 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

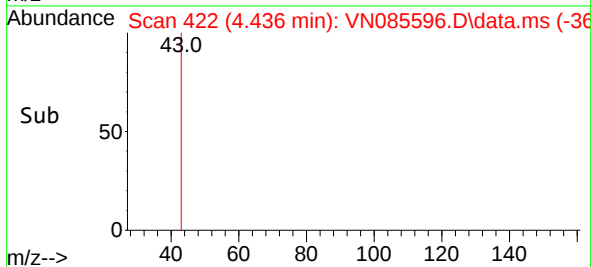
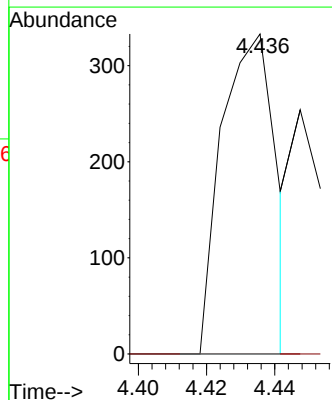
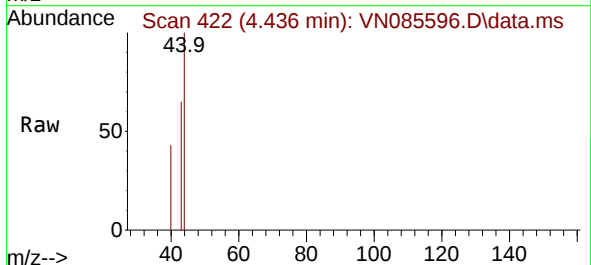
Instrument :
MSVOA_N
ClientSampleId :
IBLK

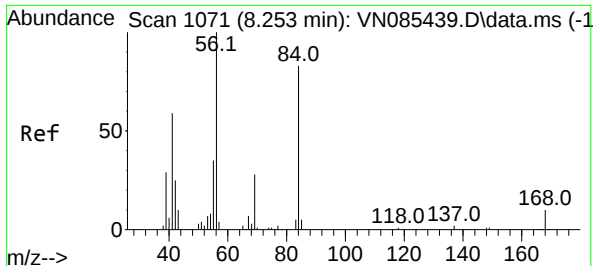
Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 102.9 71.8 107.6



#16
Acetone
Concen: 0.405 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

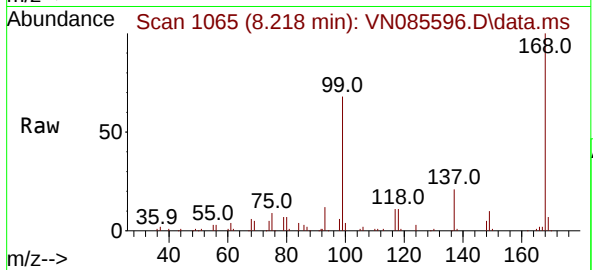
Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



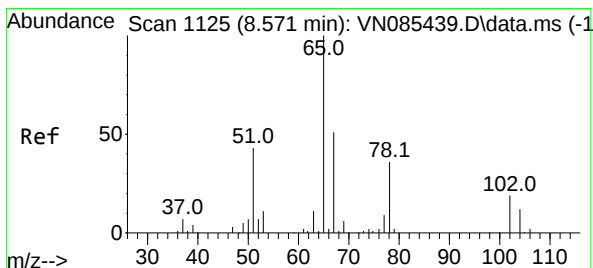
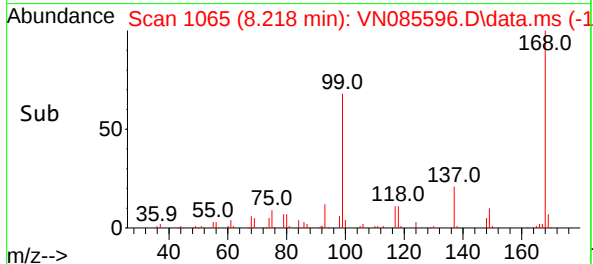
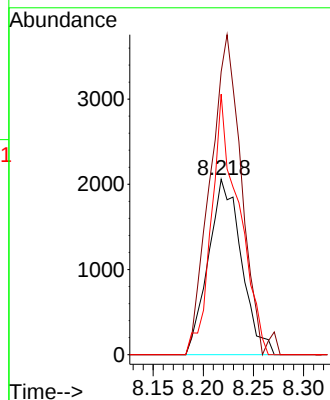


#31
Cyclohexane
Concen: 1.326 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
IBLK

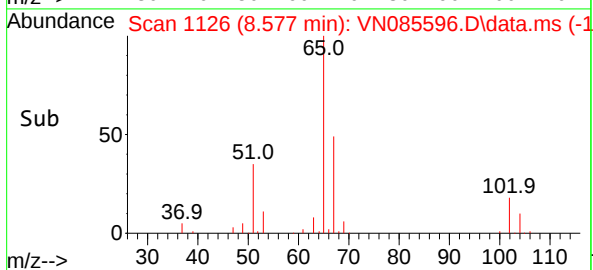
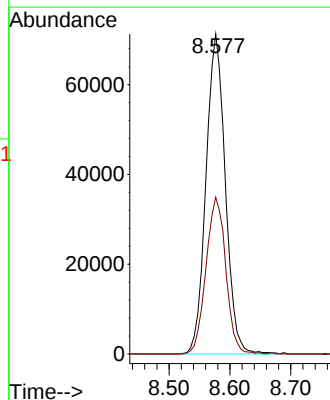
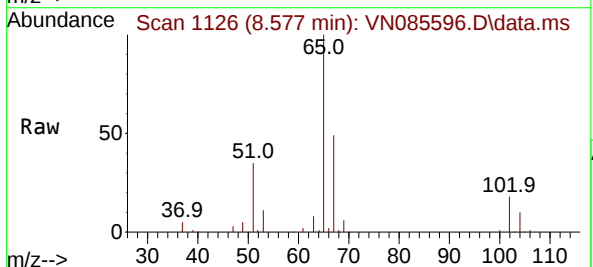


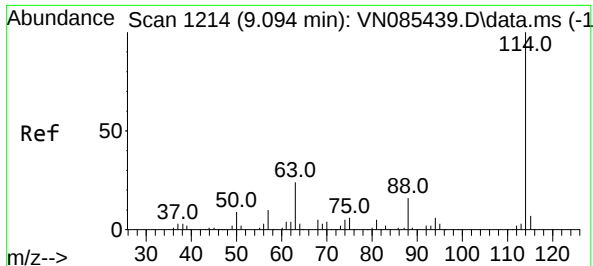
Tgt Ion: 56 Resp: 4716
Ion Ratio Lower Upper
56 100
69 161.4 22.2 33.4#
84 148.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.145 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 65 Resp: 157367
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN085596.D

Acq: 31 Jan 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

IBLK

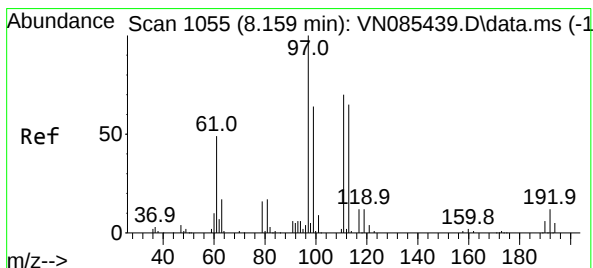
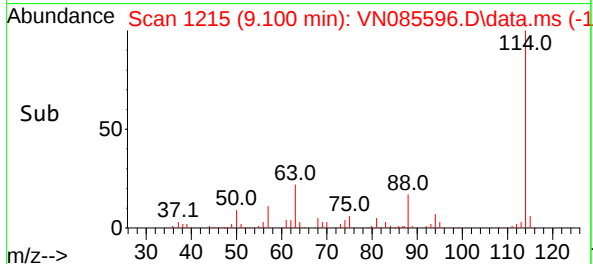
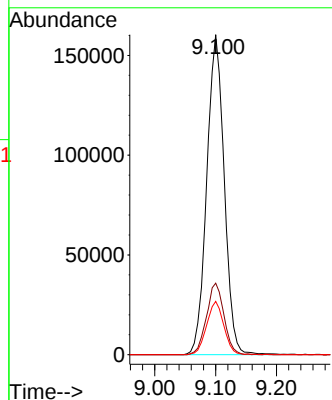
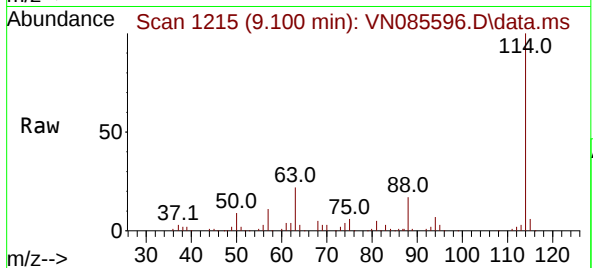
Tgt Ion:114 Resp: 320110

Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.6

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.989 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085596.D

Acq: 31 Jan 2025 12:51

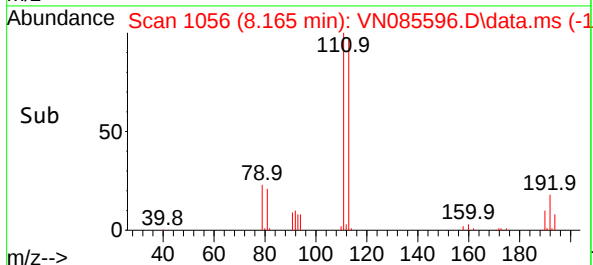
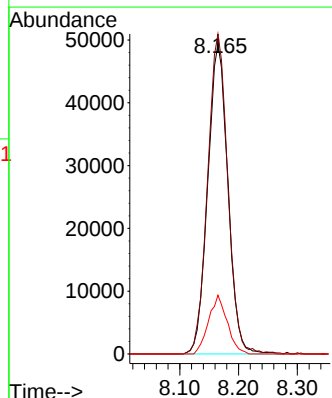
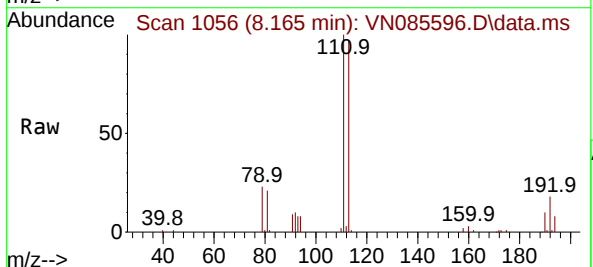
Tgt Ion:113 Resp: 117677

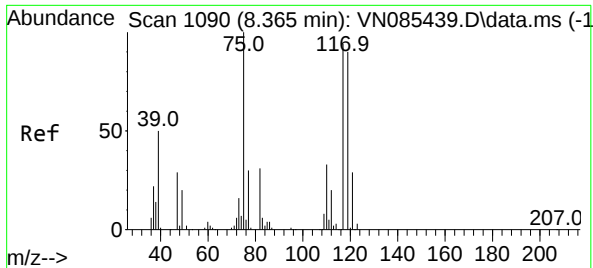
Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

192 17.5 14.3 21.5

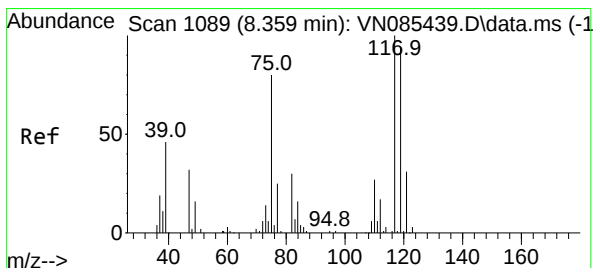
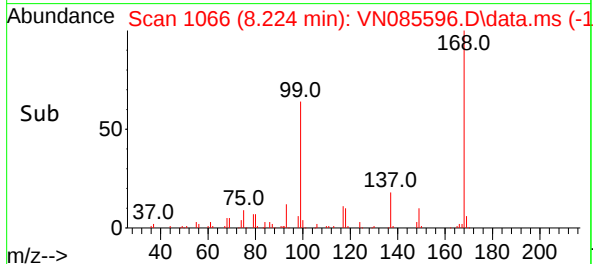
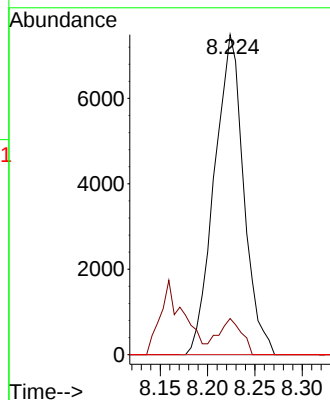
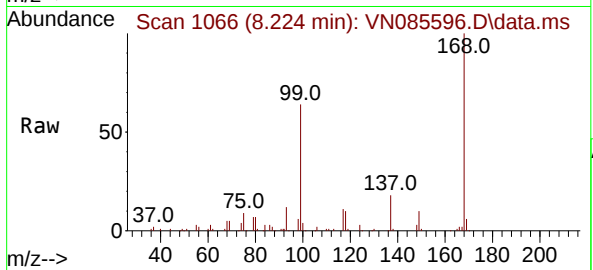




#36
1,1-Dichloropropene
Concen: 5.176 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

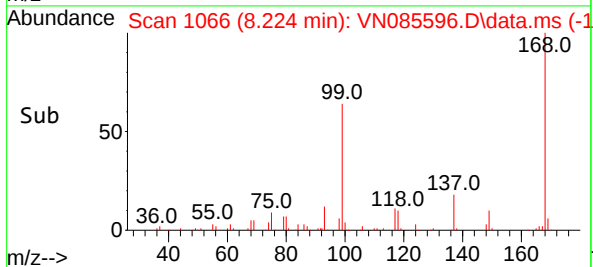
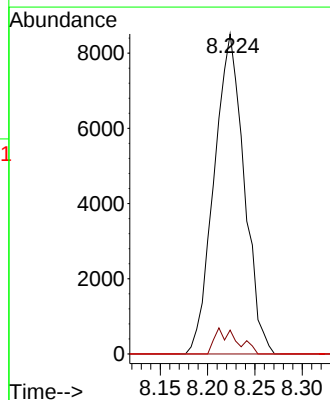
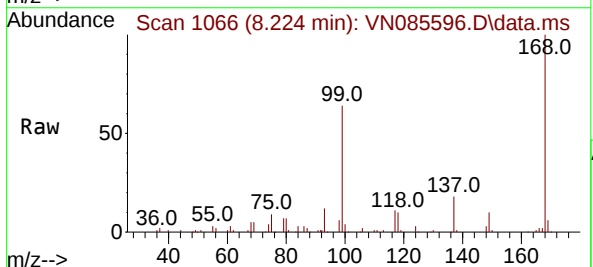
Instrument :
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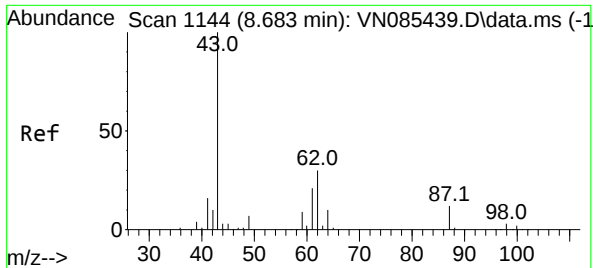
Tgt Ion: 75 Resp: 16132
Ion Ratio Lower Upper
75 100
110 8.8 16.5 49.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.272 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 117 Resp: 18812
Ion Ratio Lower Upper
117 100
119 7.5 75.4 113.2#
121 0.0 24.6 37.0#

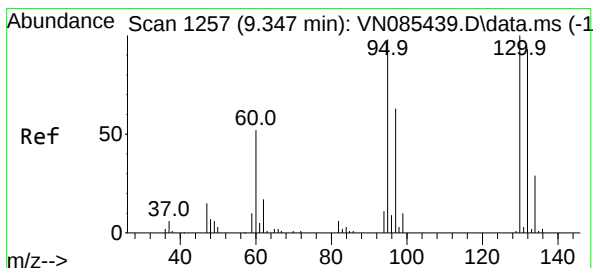
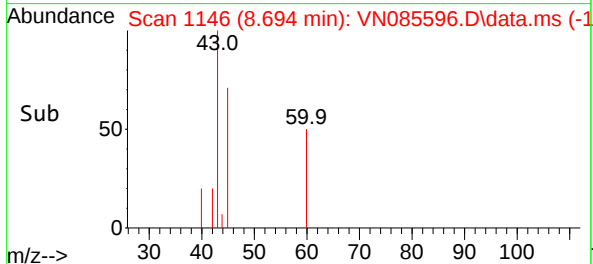
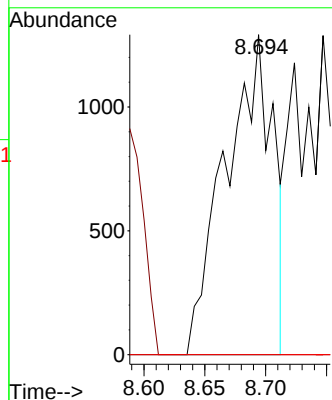
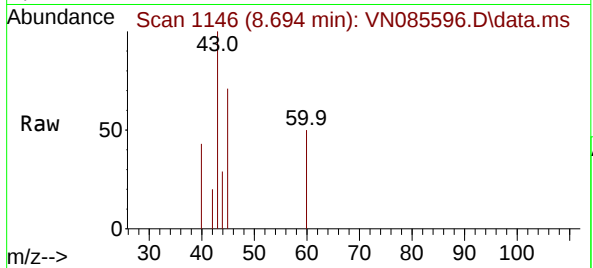




#43
Isopropyl Acetate
Concen: 0.695 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

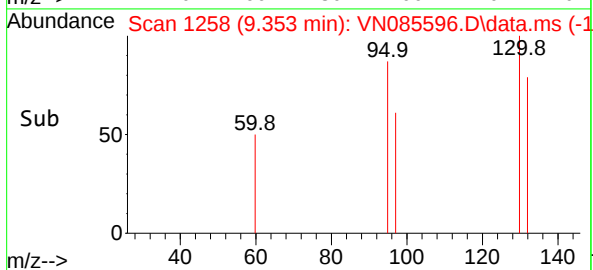
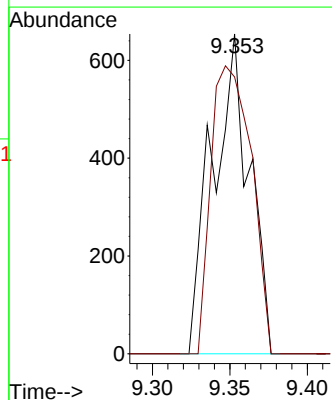
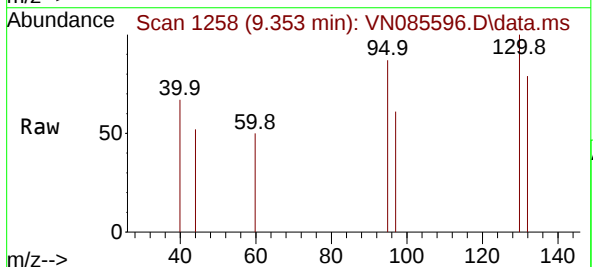
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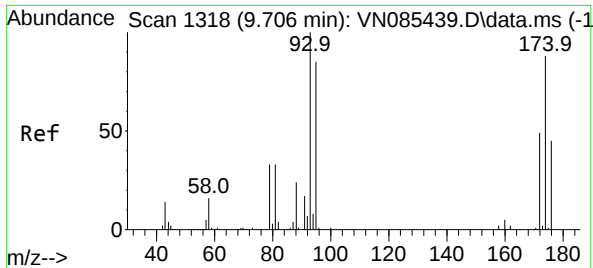
Tgt Ion: 43 Resp: 3504
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#



#44
Trichloroethene
Concen: 0.499 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 130 Resp: 1088
Ion Ratio Lower Upper
130 100
95 86.5 0.0 195.8

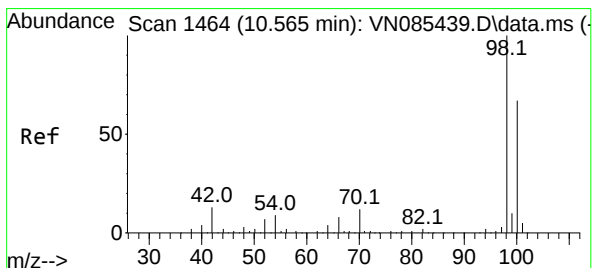
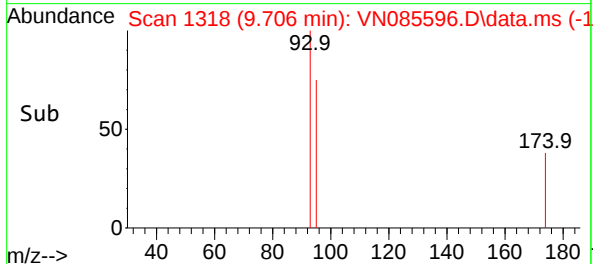
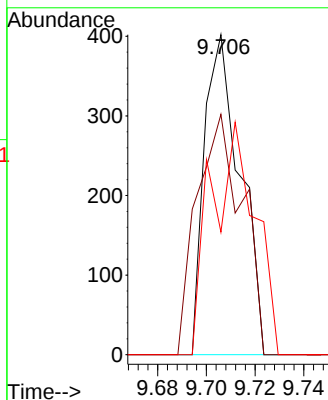
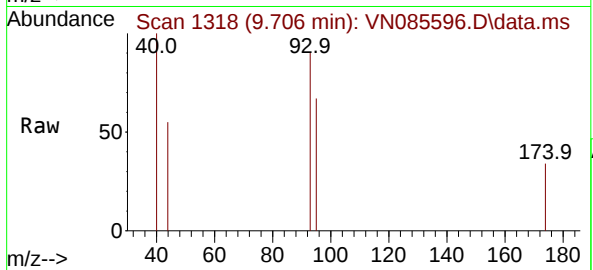




#46
Dibromomethane
Concen: 0.237 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

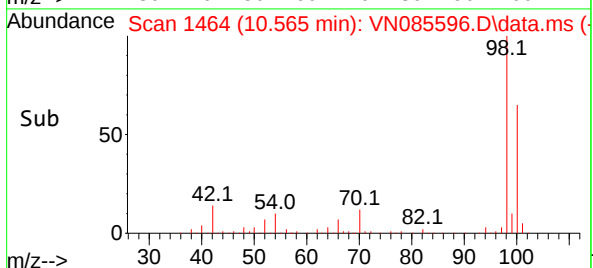
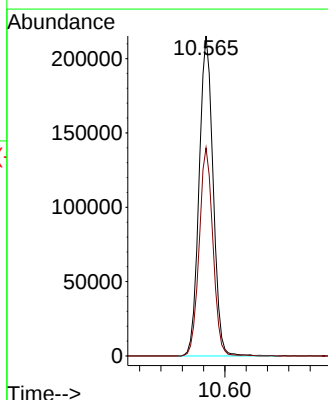
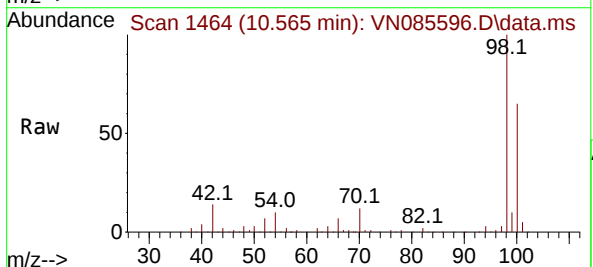
Instrument :
MSVOA_N
ClientSampleId :
IBLK

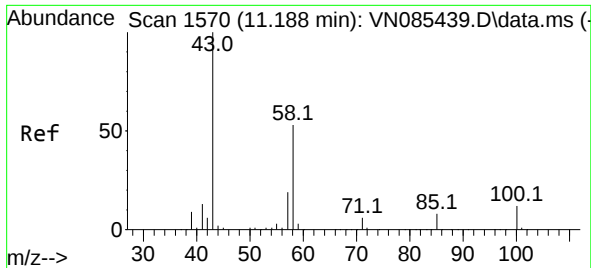
Tgt Ion: 93 Resp: 409
Ion Ratio Lower Upper
93 100
95 95.6 64.7 97.1
174 89.2 69.0 103.4



#50
Toluene-d8
Concen: 49.595 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 98 Resp: 391320
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4

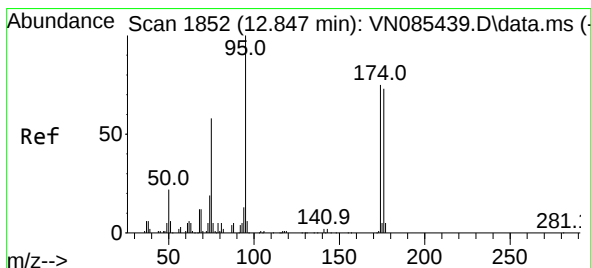
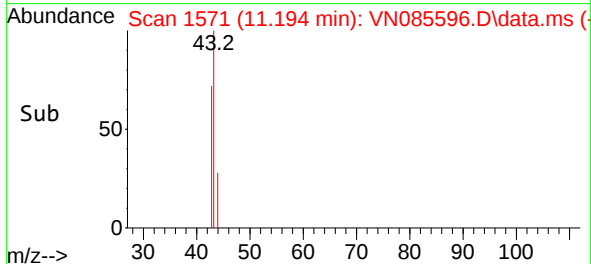
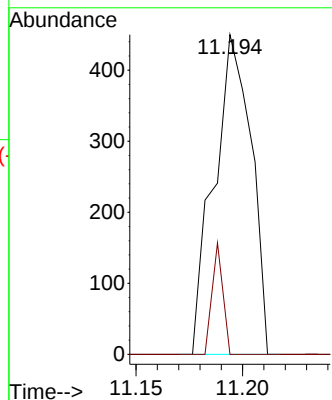
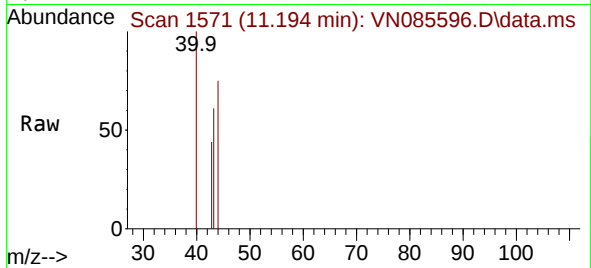




#59
2-Hexanone
Concen: 0.266 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

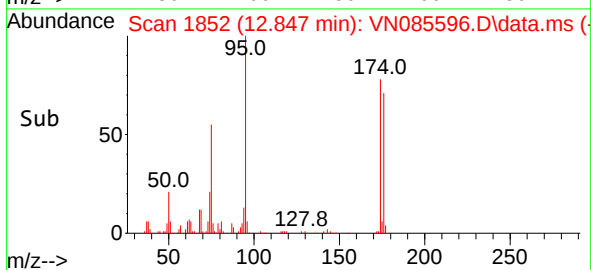
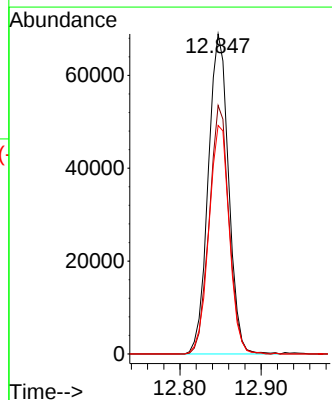
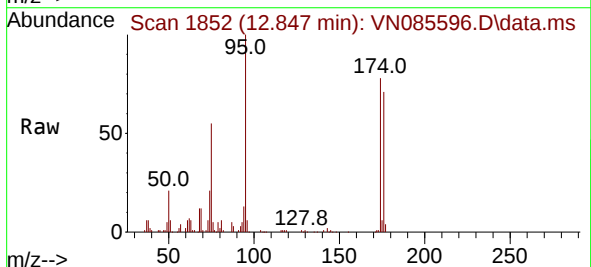
Instrument :
MSVOA_N
ClientSampleId :
IBLK

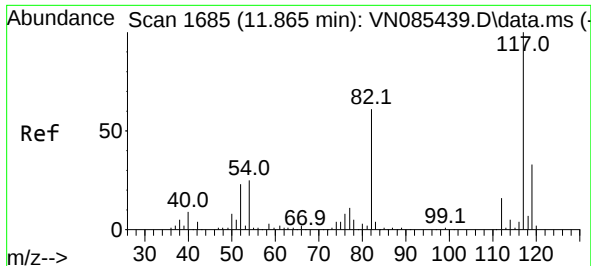
Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 10.1 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.391 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 95 Resp: 119817
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.0
176 71.6 0.0 142.4

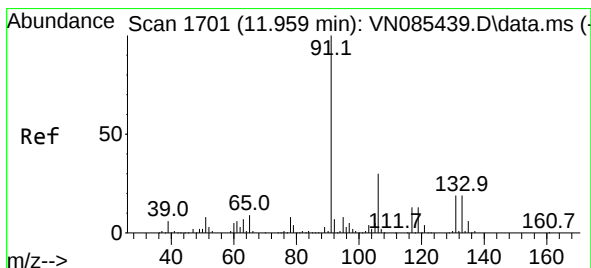
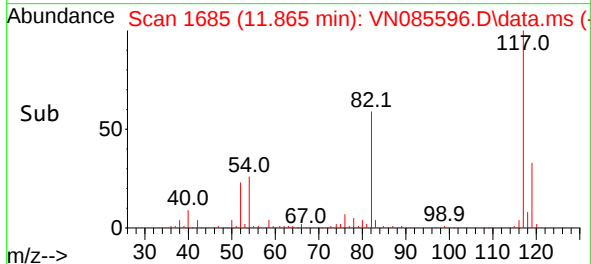
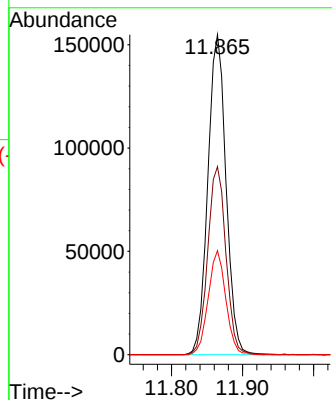
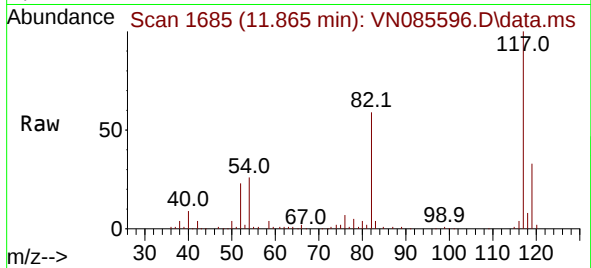




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

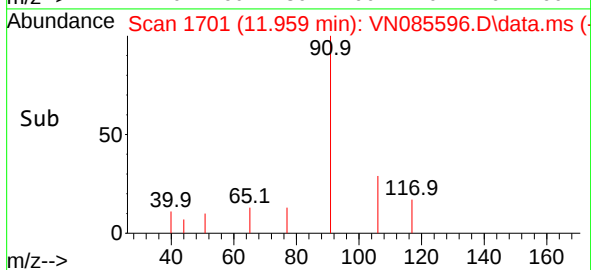
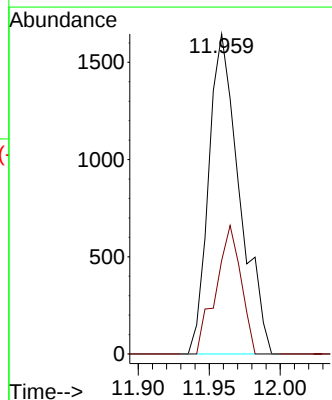
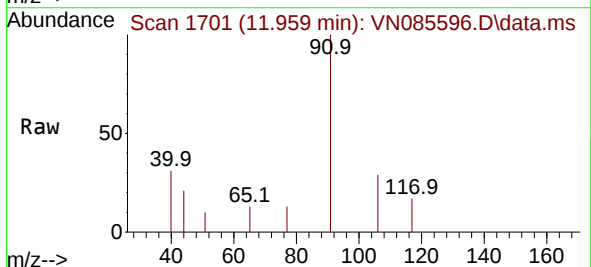
Instrument :
MSVOA_N
ClientSampleId :
IBLK

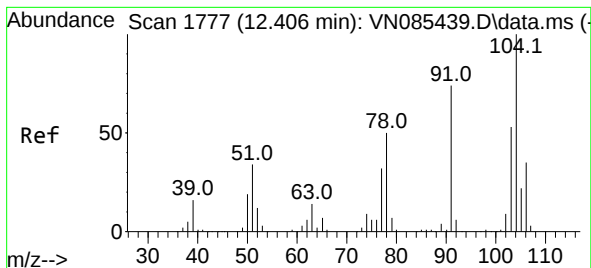
Tgt Ion:117 Resp: 275585
Ion Ratio Lower Upper
117 100
82 58.8 48.6 72.8
119 32.5 26.6 39.8



#67
Ethyl Benzene
Concen: 0.253 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 91 Resp: 2489
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.8





#70

Styrene

Concen: 0.338 ug/l

RT: 12.406 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085596.D

Acq: 31 Jan 2025 12:51

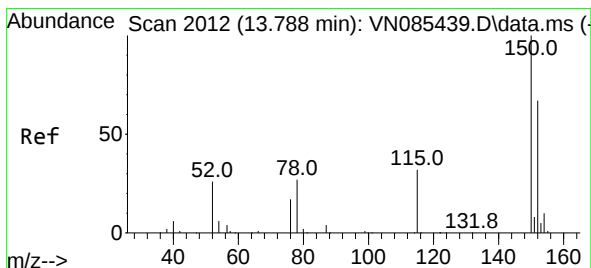
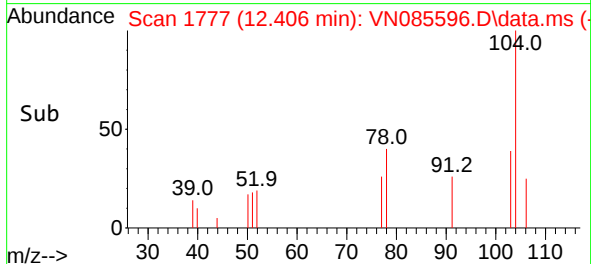
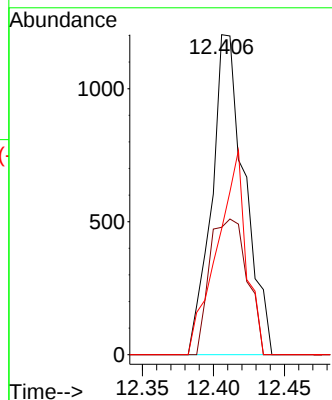
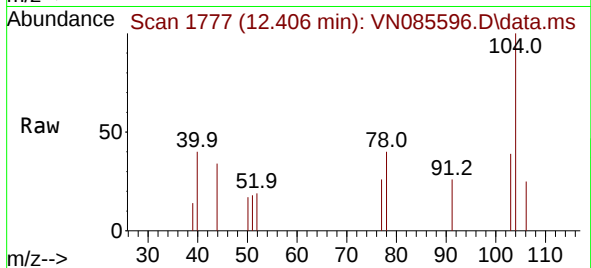
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:104	Resp:	1941
Ion Ratio	Lower	Upper
104	100	
78	48.4	42.5 63.7
103	56.1	43.8 65.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

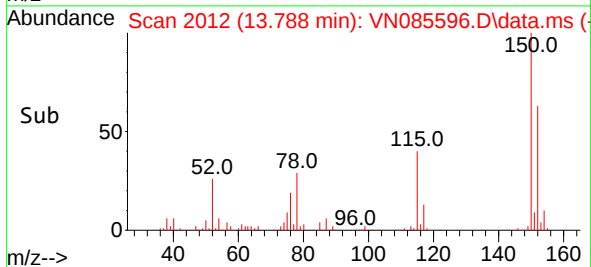
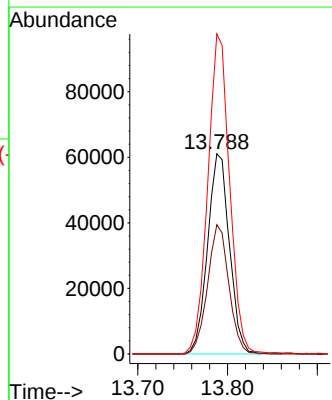
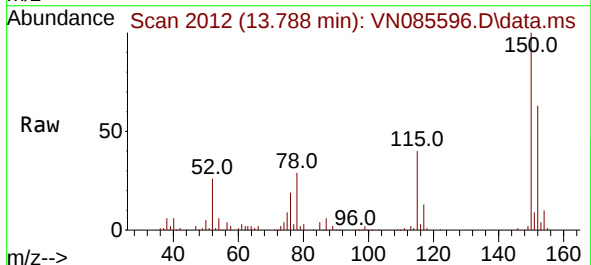
RT: 13.788 min Scan# 2012

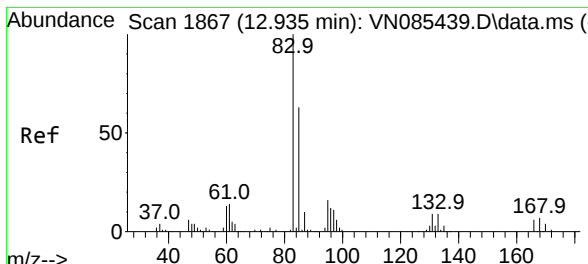
Delta R.T. -0.000 min

Lab File: VN085596.D

Acq: 31 Jan 2025 12:51

Tgt Ion:152	Resp:	103250
Ion Ratio	Lower	Upper
152	100	
115	62.9	31.1 93.3
150	159.7	0.0 343.6

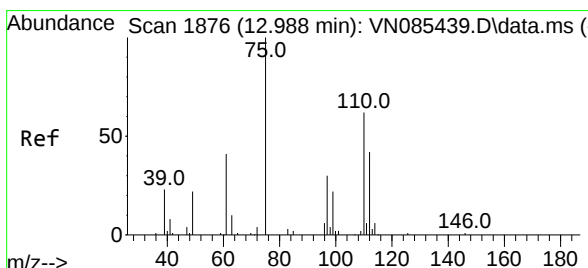
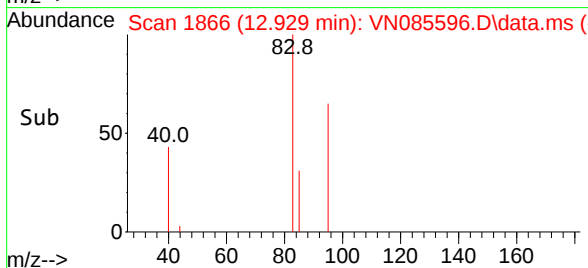
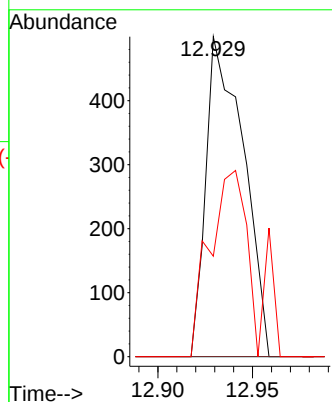
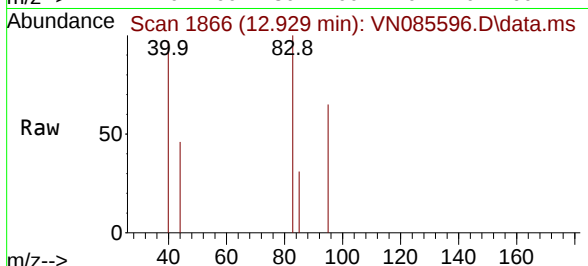




#75
1,1,2,2-Tetrachloroethane
Concen: 0.279 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

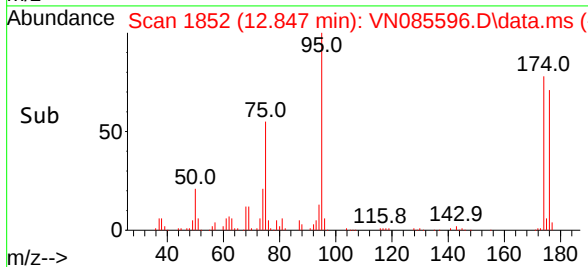
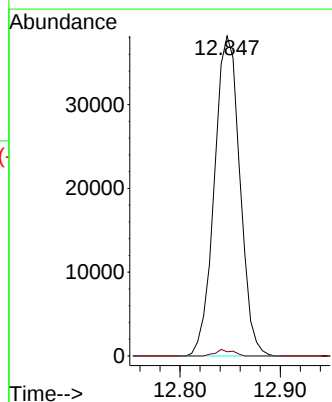
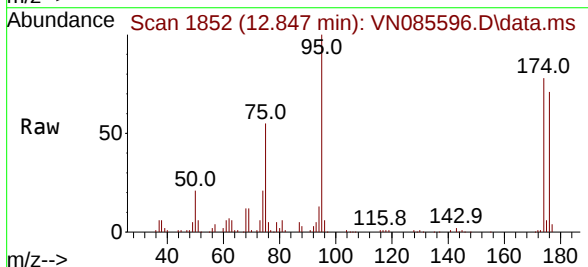
Instrument :
MSVOA_N
ClientSampleId :
IBLK

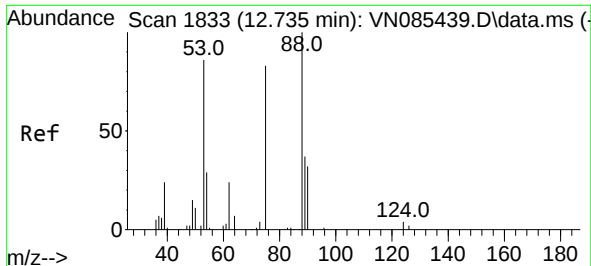
Tgt Ion: 83 Resp: 687
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 67.4 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 32.142 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion: 75 Resp: 67453
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#

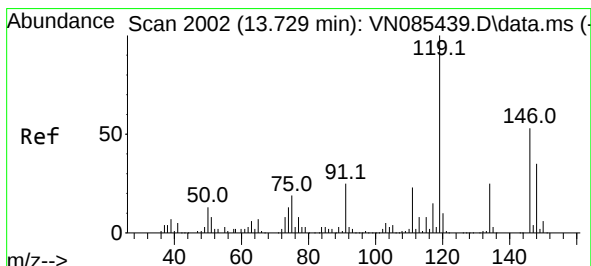
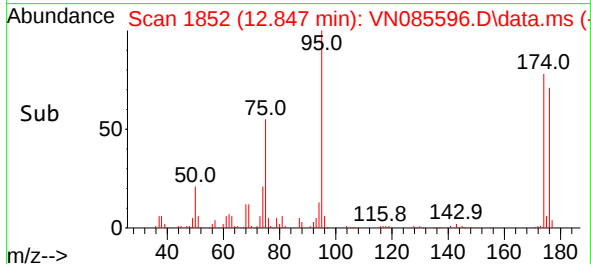
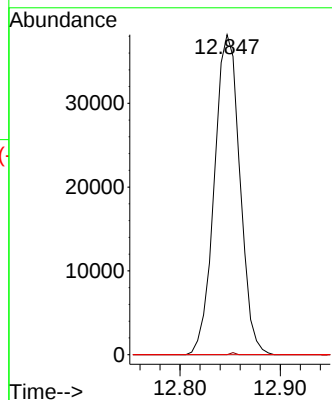
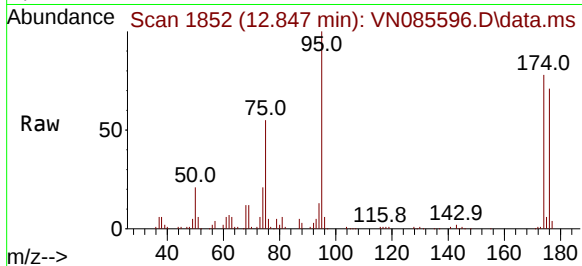




#81
trans-1,4-Dichloro-2-butene
Concen: 86.963 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

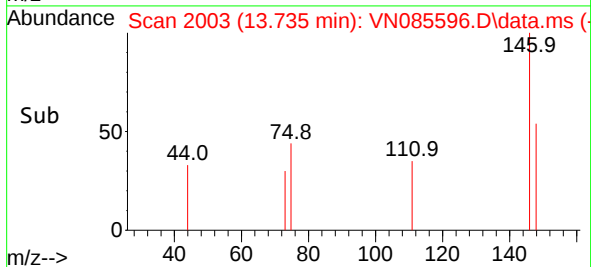
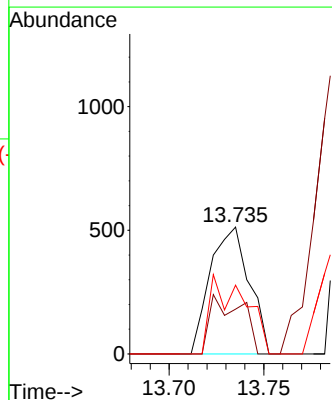
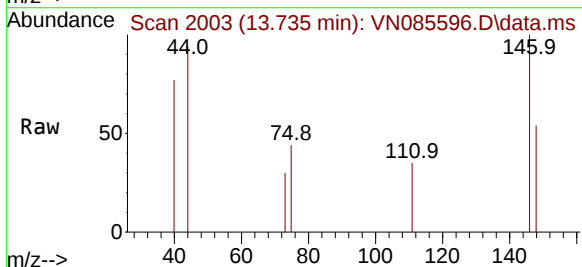
Instrument :
MSVOA_N
ClientSampleId :
IBLK

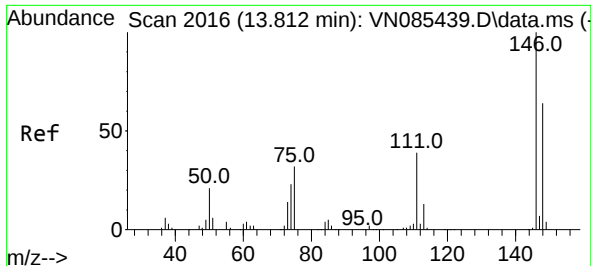
Tgt Ion: 75 Resp: 67453
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

Tgt Ion:146 Resp: 736
Ion Ratio Lower Upper
146 100
111 37.6 21.4 64.3
148 55.6 32.3 96.9

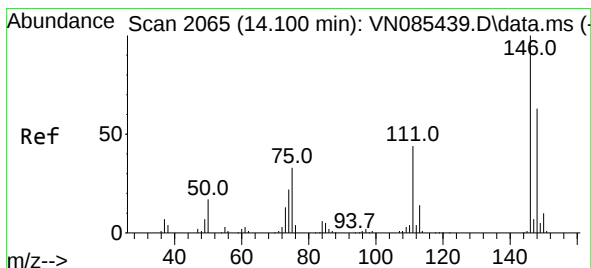
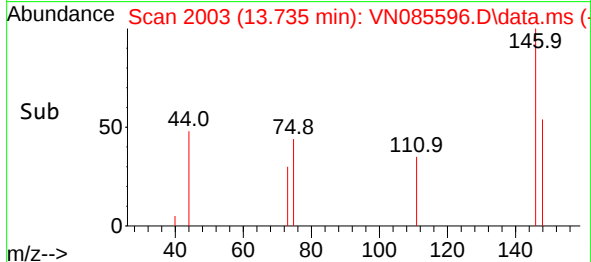
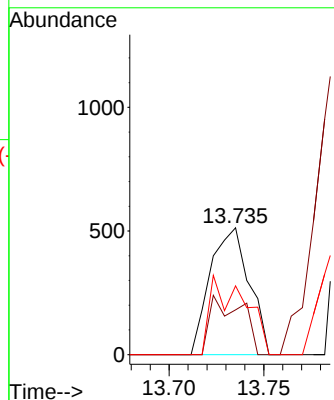
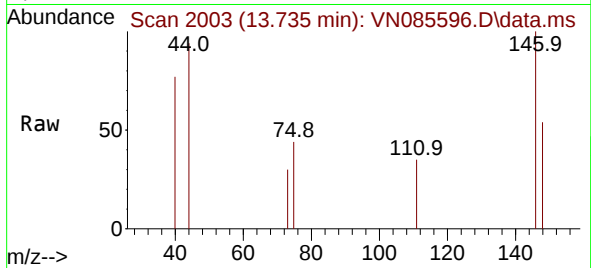




#88
1,4-Dichlorobenzene
Concen: 0.212 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

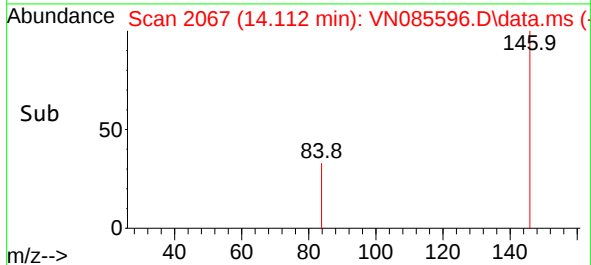
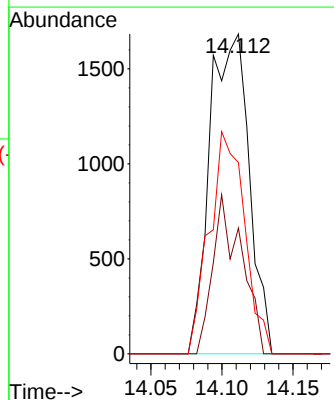
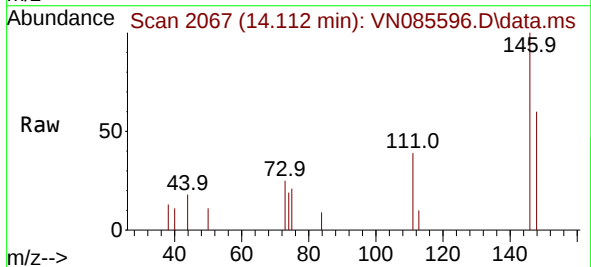
Instrument :
MSVOA_N
ClientSampleId :
IBLK

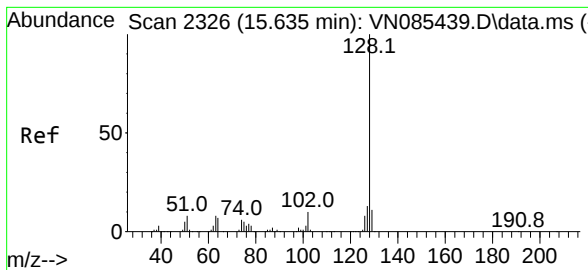
Tgt Ion:146 Resp: 736
Ion Ratio Lower Upper
146 100
111 37.6 21.3 63.7
148 55.6 32.4 97.0



#91
1,2-Dichlorobenzene
Concen: 0.971 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.012 min
Lab File: VN085596.D
Acq: 31 Jan 2025 12:51

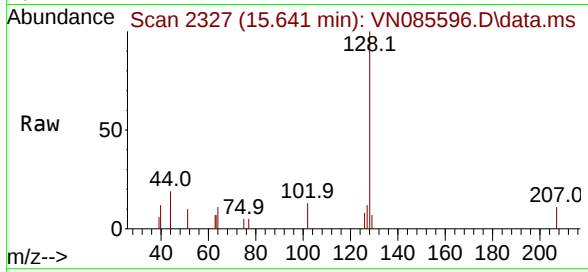
Tgt Ion:146 Resp: 3247
Ion Ratio Lower Upper
146 100
111 36.4 21.7 65.1
148 62.2 31.4 94.2





#95
 Naphthalene
 Concen: 1.418 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085596.D
 Acq: 31 Jan 2025 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	128	Resp:	6578
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.6	16.0
129	8.7	8.8	13.2#

