

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085886.D
 Acq On : 27 Feb 2025 13:39
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 28 01:59:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

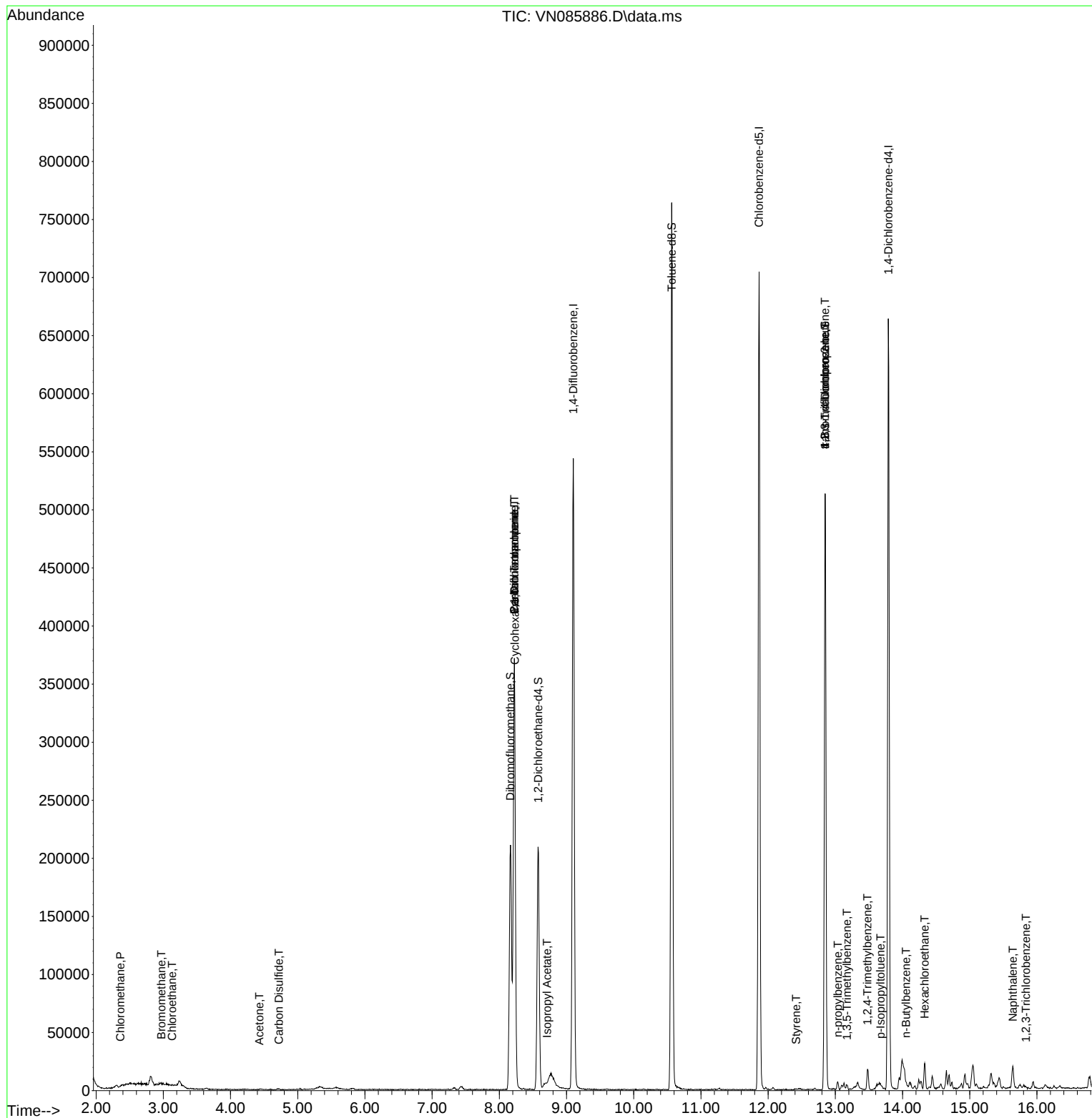
Internal Standards						
1) Pentafluorobenzene	8.224	168	266732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	489018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	429308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	189315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	171253	49.522	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.040%		
35) Dibromofluoromethane	8.165	113	157468	49.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.420%		
50) Toluene-d8	10.565	98	543422	46.677	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.360%		
62) 4-Bromofluorobenzene	12.847	95	191863	50.018	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.040%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	879	0.241	ug/l #	87
5) Bromomethane	2.971	94	612	0.248	ug/l #	74
6) Chloroethane	3.130	64	647	0.253	ug/l #	41
16) Acetone	4.430	43	316	0.289	ug/l #	40
17) Carbon Disulfide	4.718	76	1829	0.211	ug/l #	75
31) Cyclohexane	8.230	56	5150	1.043	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	20813	4.596	ug/l #	51
38) Carbon Tetrachloride	8.224	117	27950	5.194	ug/l #	18
43) Isopropyl Acetate	8.712	43	6764	0.493	ug/l #	53
70) Styrene	12.418	104	228	0.608	ug/l #	55
76) 1,2,3-Trichloropropane	12.847	75	89976	21.396	ug/l #	1
78) n-propylbenzene	13.035	91	6213	0.418	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	2467	0.234	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.847	75	89976	62.428	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.476	105	11603	1.110	ug/l	99
86) p-Isopropyltoluene	13.671	119	357	0.658	ug/l	82
89) n-Butylbenzene	14.053	91	2646	0.297	ug/l #	82
90) Hexachloroethane	14.329	117	1805	0.759	ug/l #	14
95) Naphthalene	15.641	128	19472	2.358	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	643	0.213	ug/l #	17

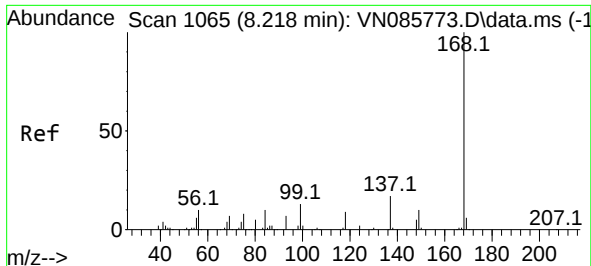
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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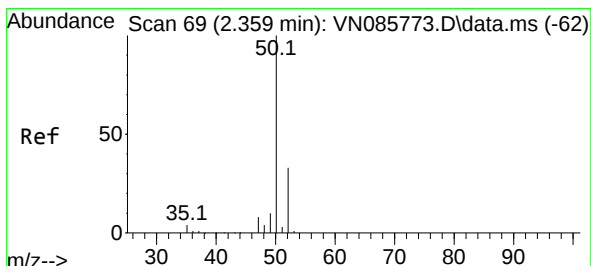
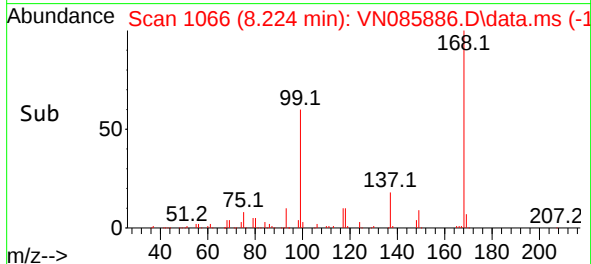
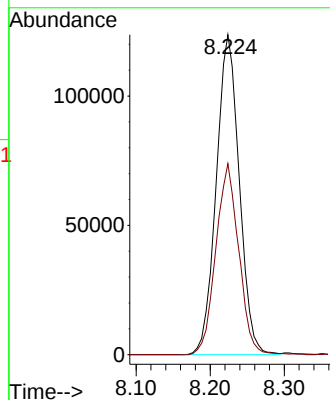
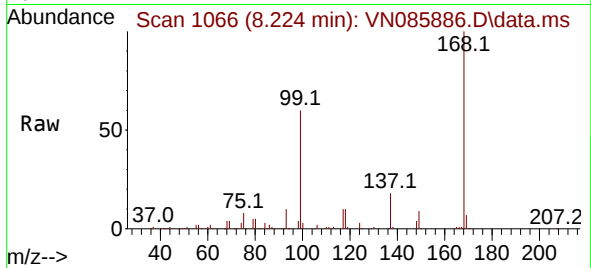




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

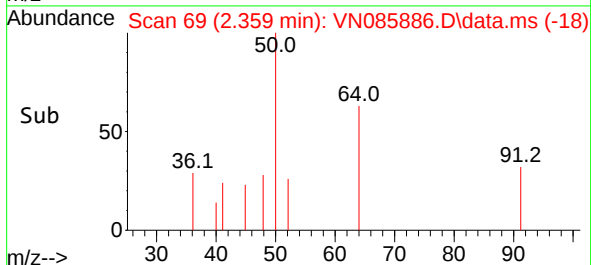
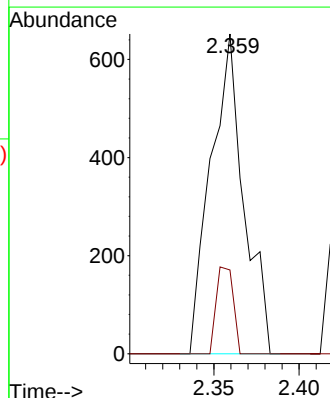
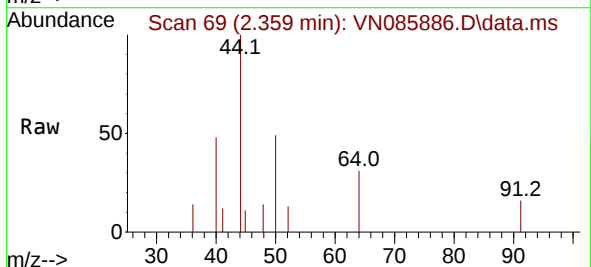
Instrument :
MSVOA_N
ClientSampleId :
IBLK

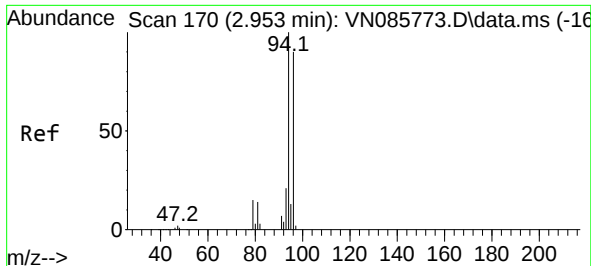
Tgt Ion:168 Resp: 266732
Ion Ratio Lower Upper
168 100
99 59.7 47.9 71.9



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 26.2 26.7 40.1#

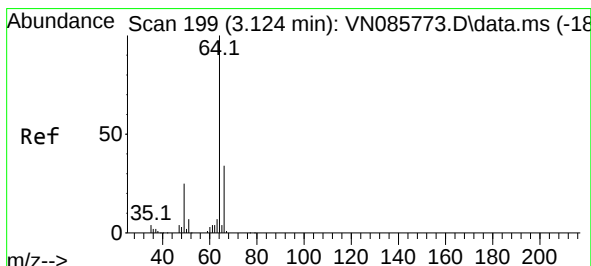
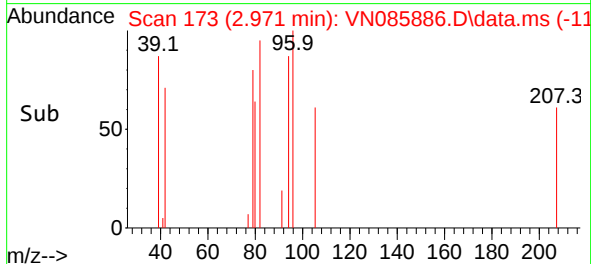
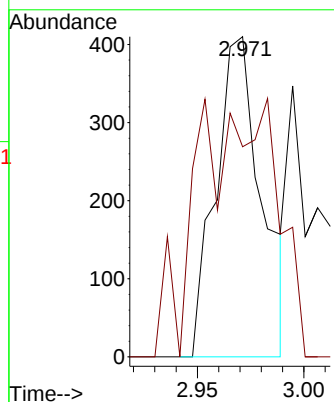
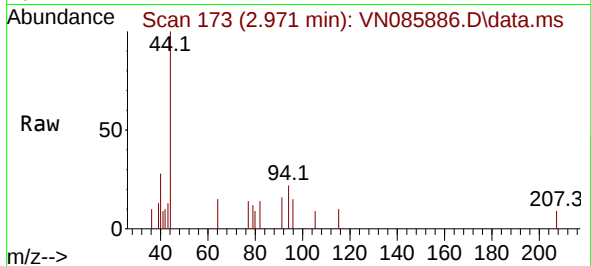




#5
Bromomethane
Concen: 0.248 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

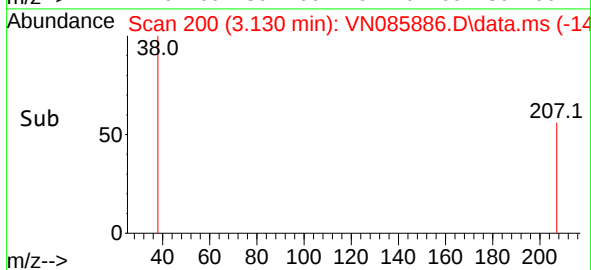
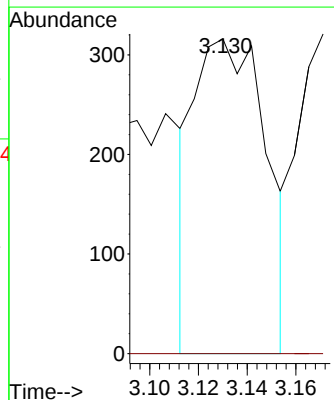
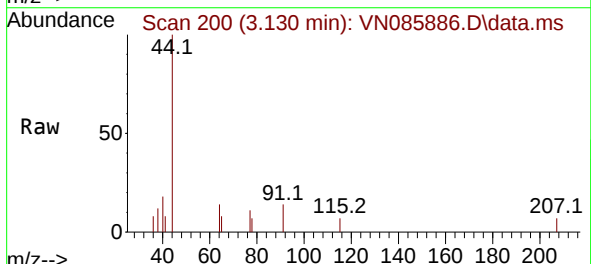
Instrument :
MSVOA_N
ClientSampleId :
IBLK

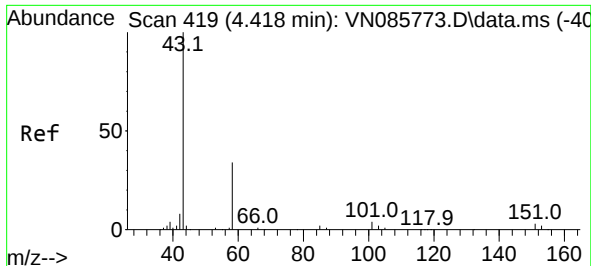
Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 65.6 71.7 107.5#



#6
Chloroethane
Concen: 0.253 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion: 64 Resp: 647
Ion Ratio Lower Upper
64 100
66 0.0 27.0 40.6#

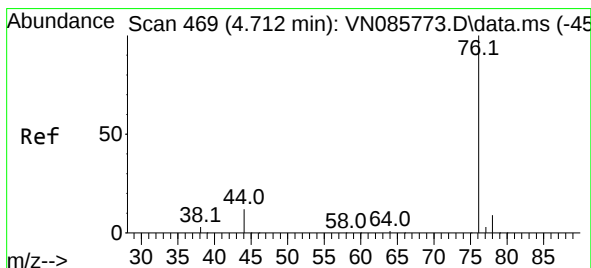
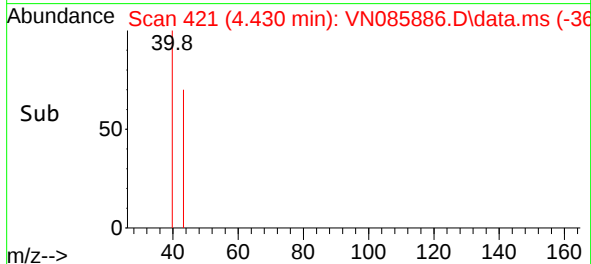
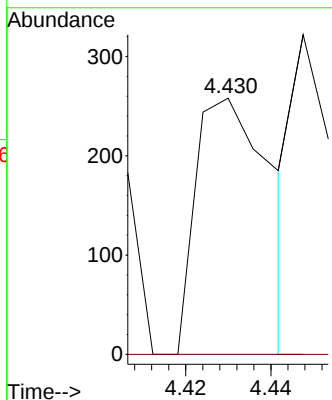
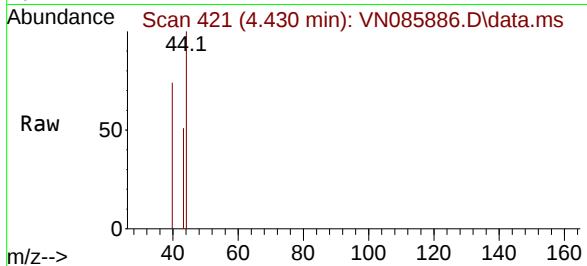




#16
Acetone
Concen: 0.289 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

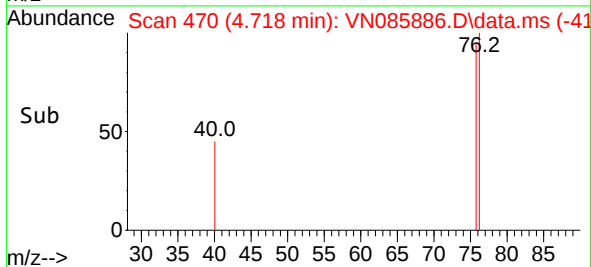
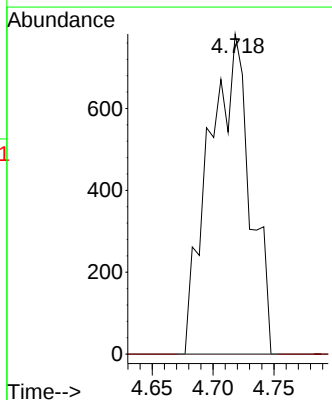
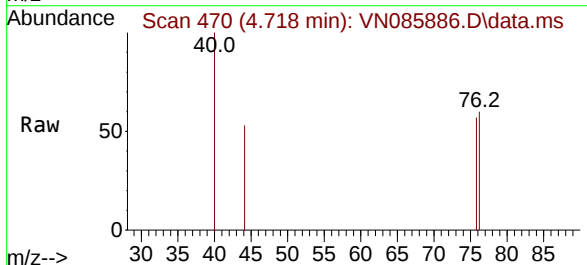
Instrument :
MSVOA_N
ClientSampleId :
IBLK

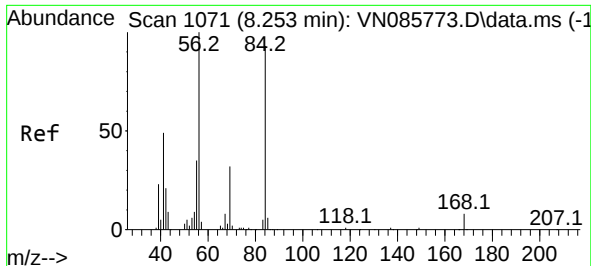
Tgt Ion: 43 Resp: 316
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion: 76 Resp: 1829
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

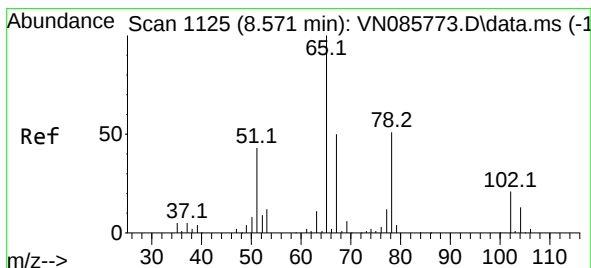
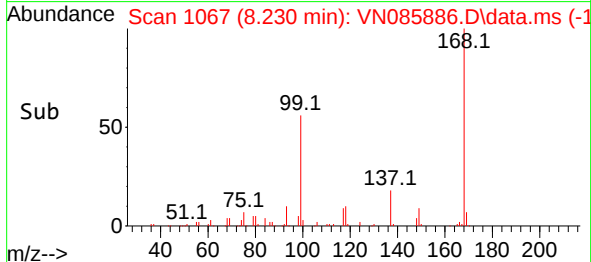
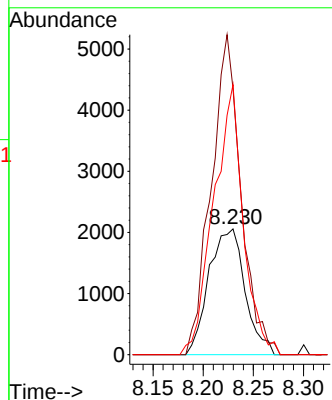
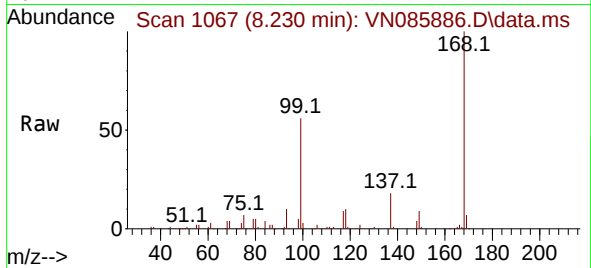




#31
Cyclohexane
Concen: 1.043 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

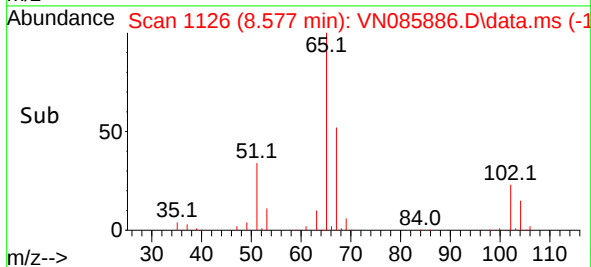
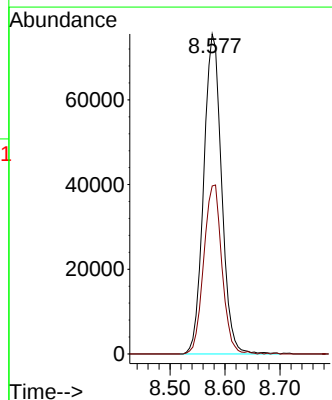
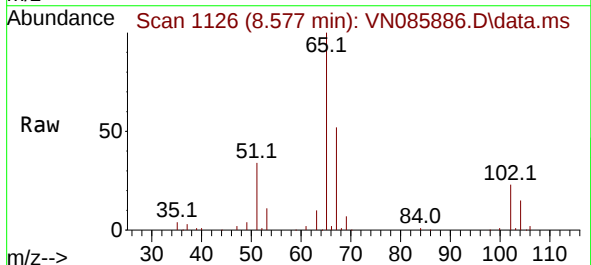
Instrument :
MSVOA_N
ClientSampleId :
IBLK

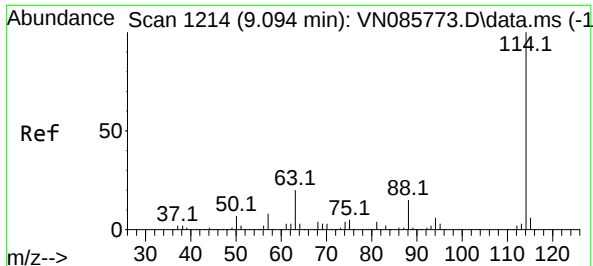
Tgt Ion: 56 Resp: 5150
Ion Ratio Lower Upper
56 100
69 211.6 25.8 38.6#
84 214.7 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 49.522 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion: 65 Resp: 171253
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

IBLK

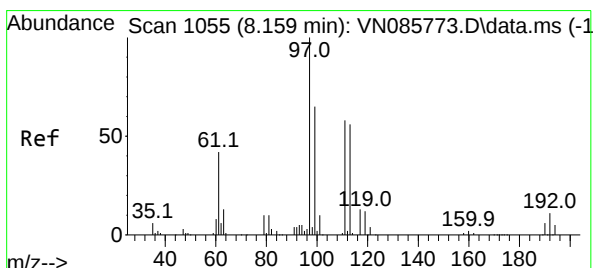
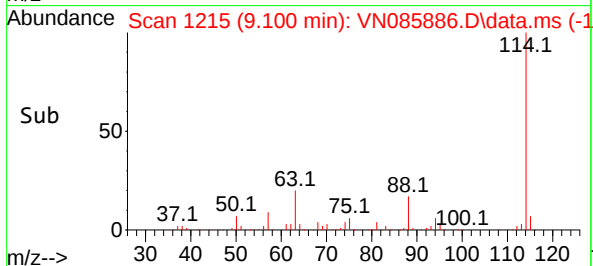
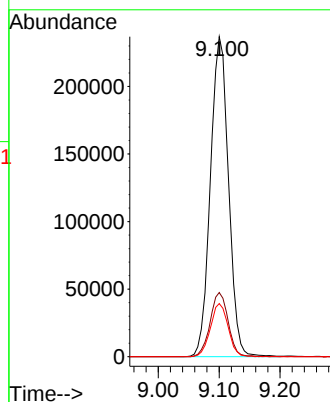
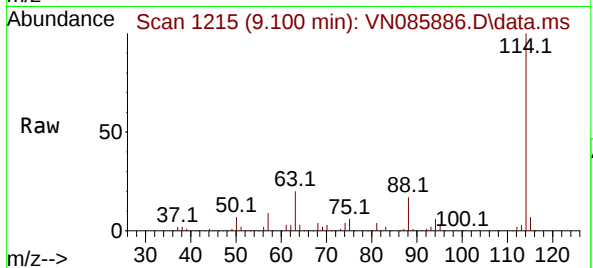
Tgt Ion:114 Resp: 489018

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

88 16.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 49.210 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

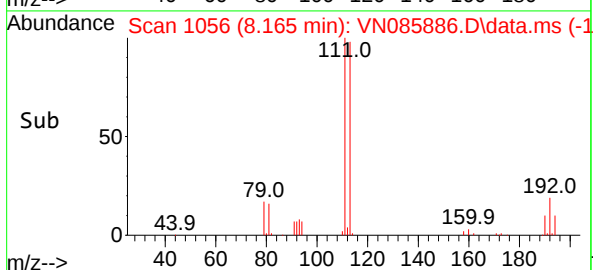
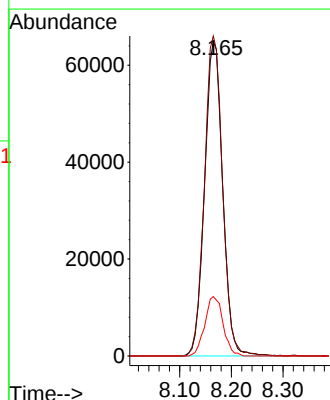
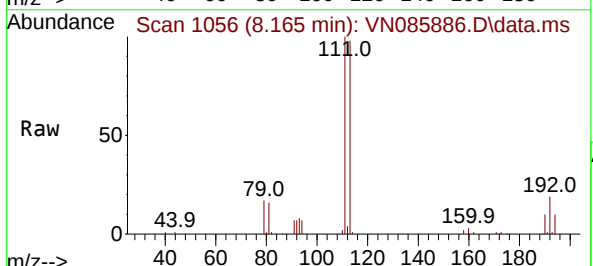
Tgt Ion:113 Resp: 157468

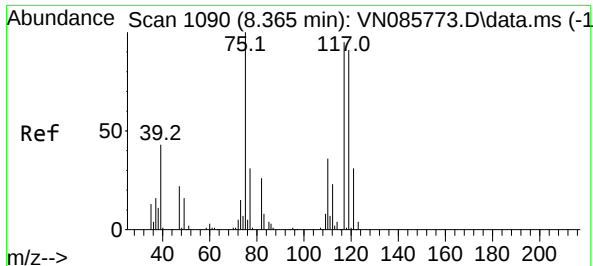
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 19.1 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

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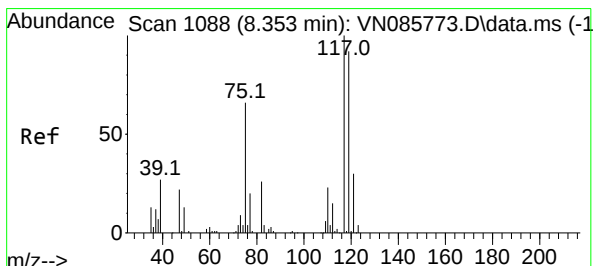
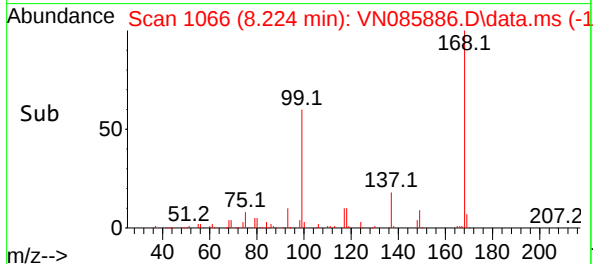
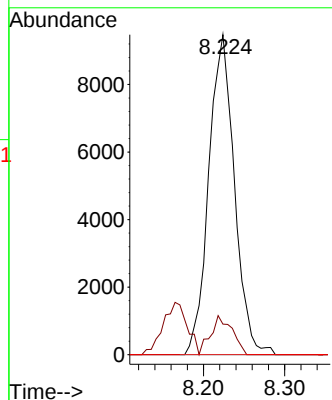
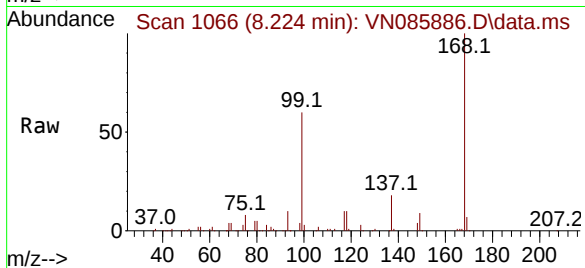
Tgt Ion: 75 Resp: 20813

Ion Ratio Lower Upper

75 100

110 10.2 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.194 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

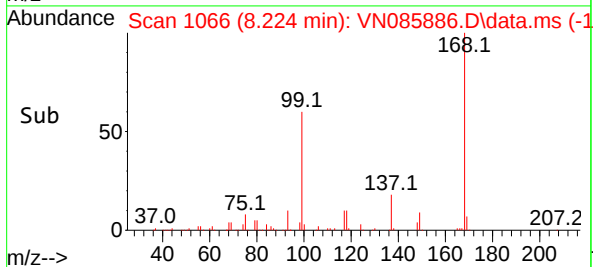
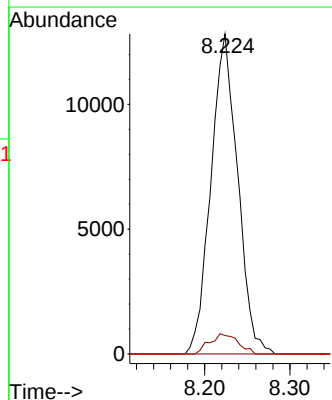
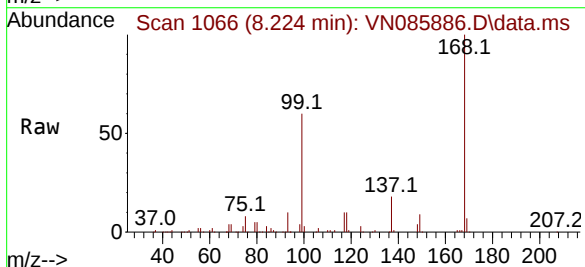
Tgt Ion: 117 Resp: 27950

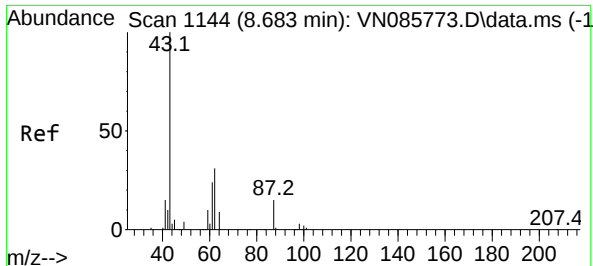
Ion Ratio Lower Upper

117 100

119 5.8 73.8 110.6#

121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: 0.493 ug/l

RT: 8.712 min Scan# 1149

Delta R.T. 0.029 min

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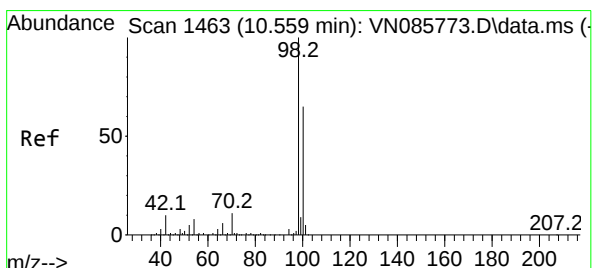
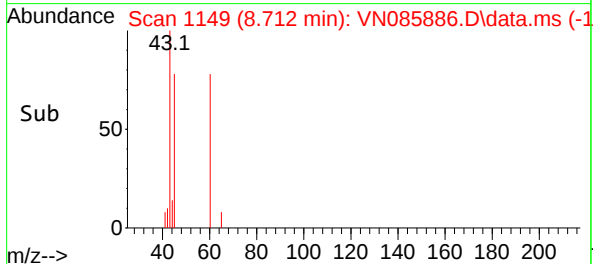
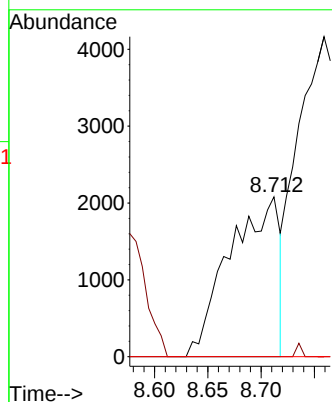
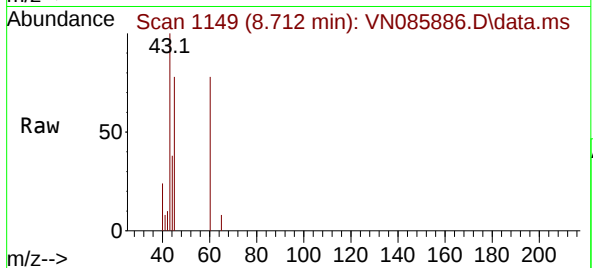
Tgt Ion: 43 Resp: 6764

Ion Ratio Lower Upper

43 100

61 0.0 22.6 34.0#

87 0.0 11.8 17.8#



#50

Toluene-d8

Concen: 46.677 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085886.D

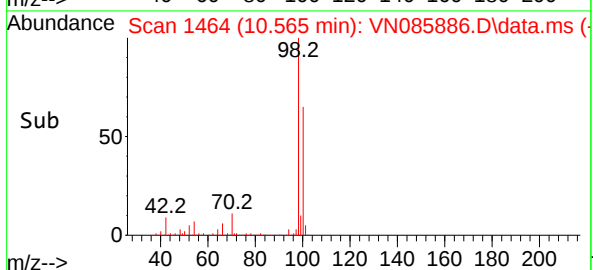
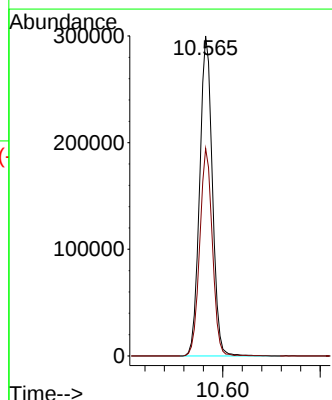
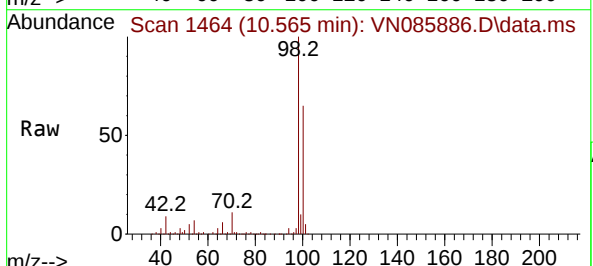
Acq: 27 Feb 2025 13:39

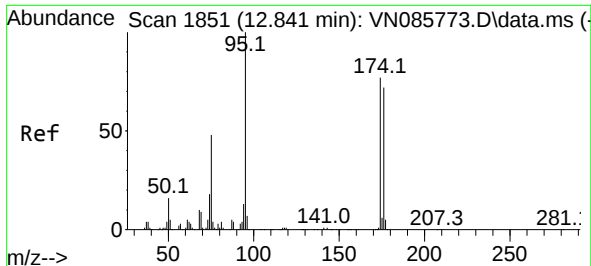
Tgt Ion: 98 Resp: 543422

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

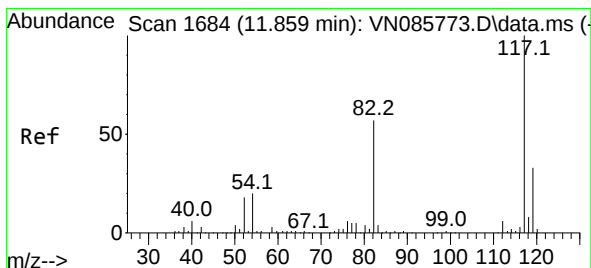
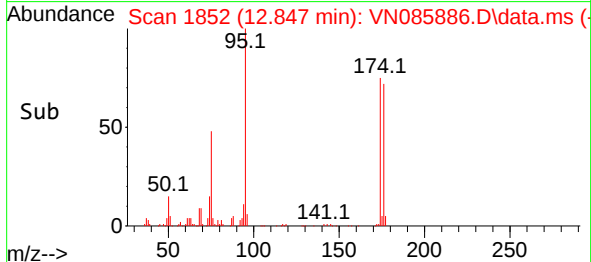
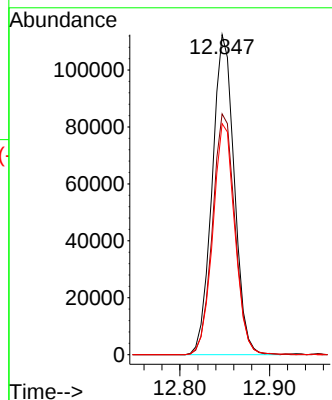
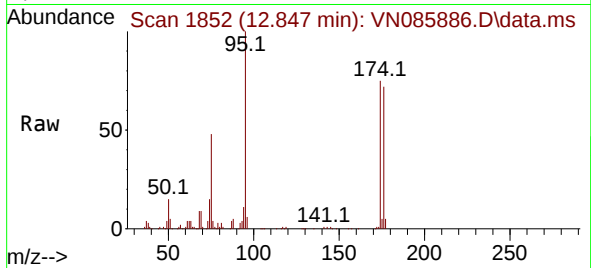




#62
4-Bromofluorobenzene
Concen: 50.018 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

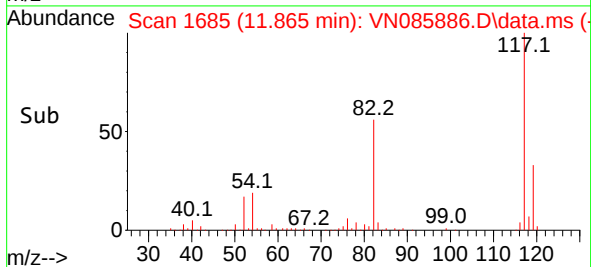
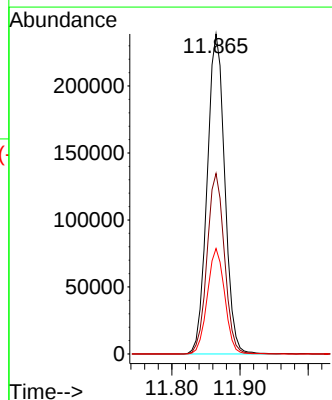
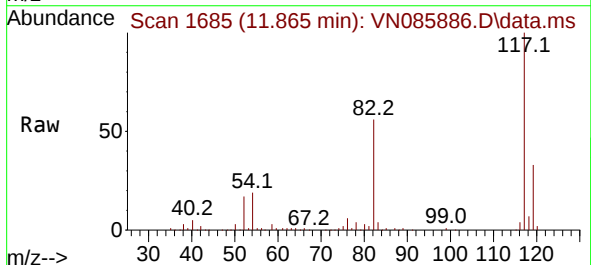
Instrument :
MSVOA_N
ClientSampleId :
IBLK

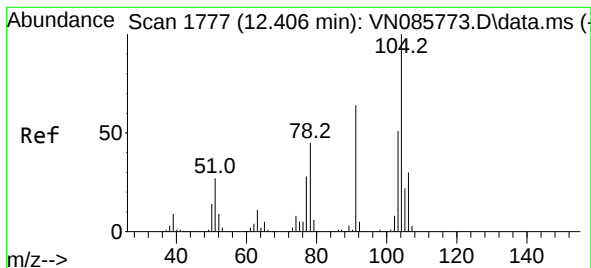
Tgt Ion: 95 Resp: 191863
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.4
176 72.2 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion: 117 Resp: 429308
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 32.9 26.2 39.2





#70

Styrene

Concen: 0.608 ug/l

RT: 12.418 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

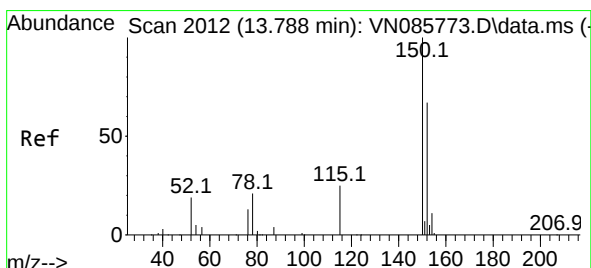
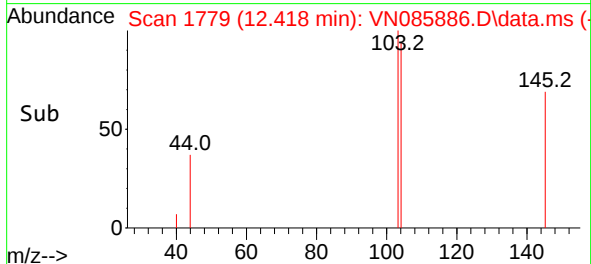
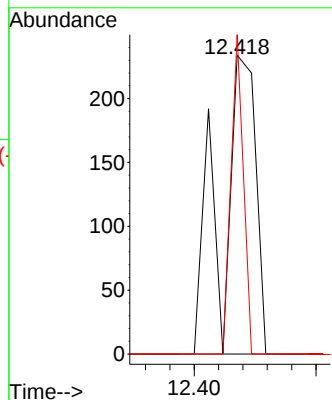
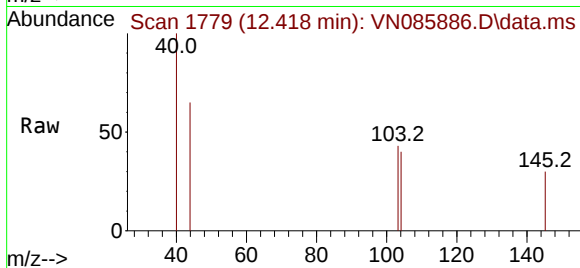
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	104	Resp:	228
Ion Ratio	Lower	Upper	
104	100		
78	0.0	39.0	58.6#
103	38.6	43.3	64.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

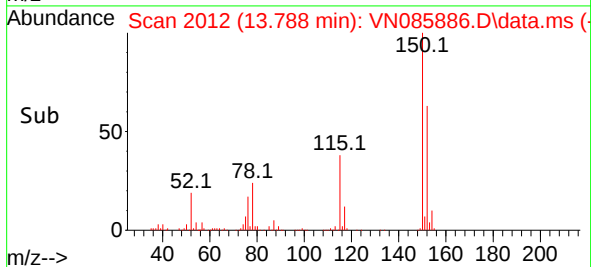
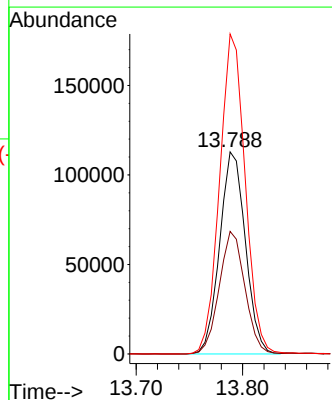
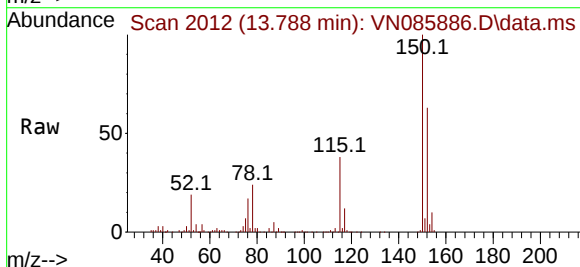
RT: 13.788 min Scan# 2012

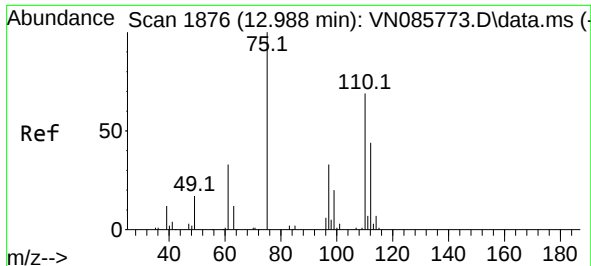
Delta R.T. 0.000 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

Tgt Ion:	152	Resp:	189315
Ion Ratio	Lower	Upper	
152	100		
115	60.5	30.4	91.3
150	157.5	0.0	345.4

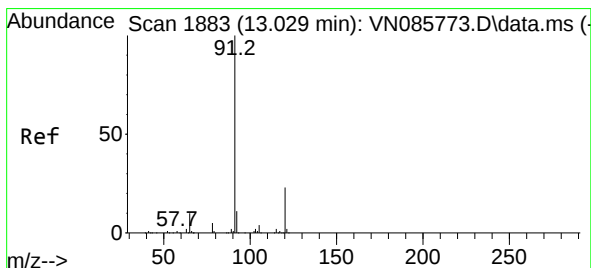
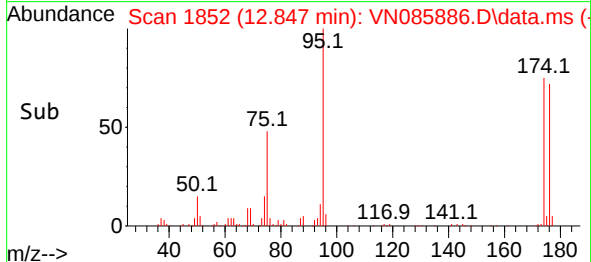
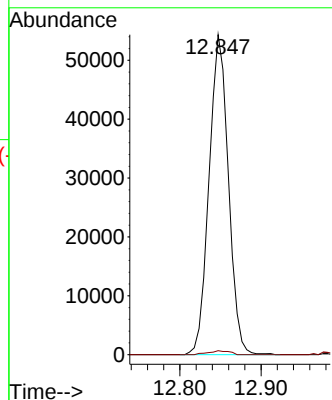
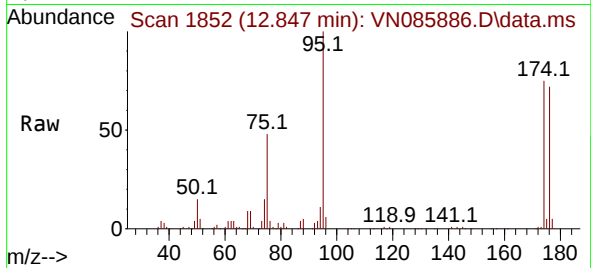




#76
1,2,3-Trichloropropane
Concen: 21.396 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

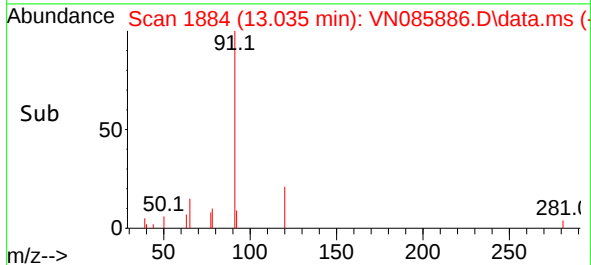
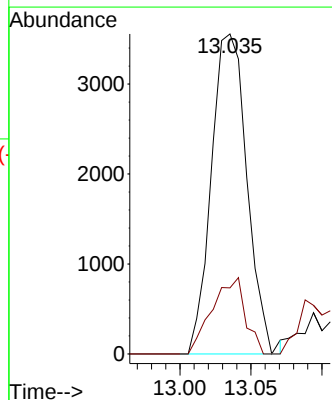
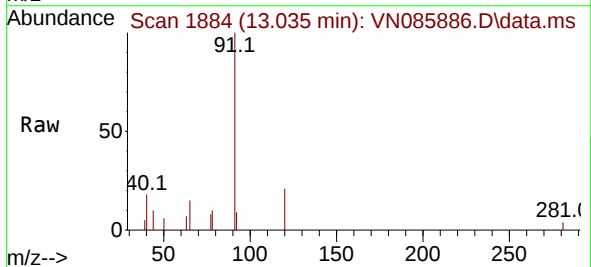
Instrument :
MSVOA_N
ClientSampleId :
IBLK

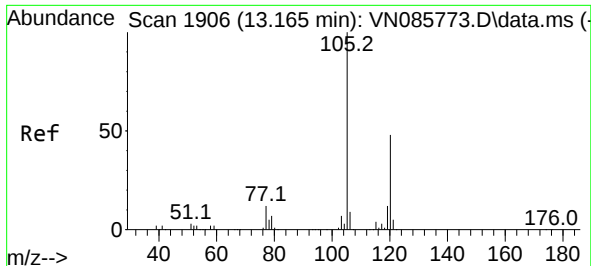
Tgt Ion: 75 Resp: 89976
Ion Ratio Lower Upper
75 100
77 1.3 100.0 300.0#



#78
n-propylbenzene
Concen: 0.418 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion: 91 Resp: 6213
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.8

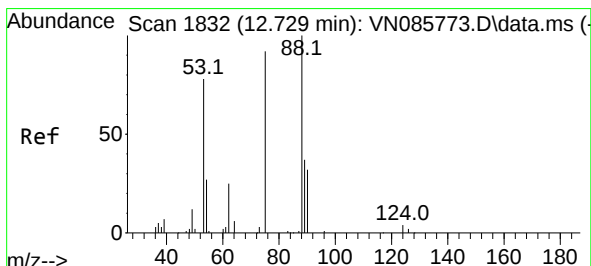
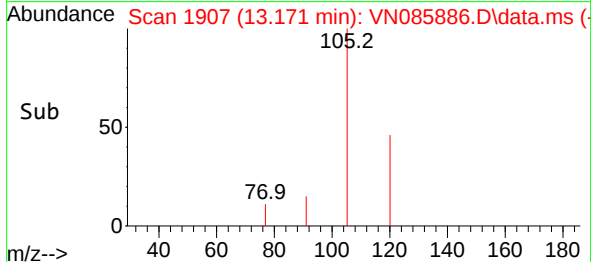
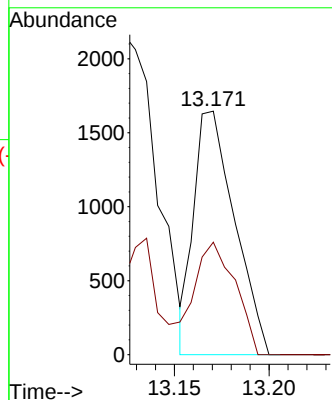
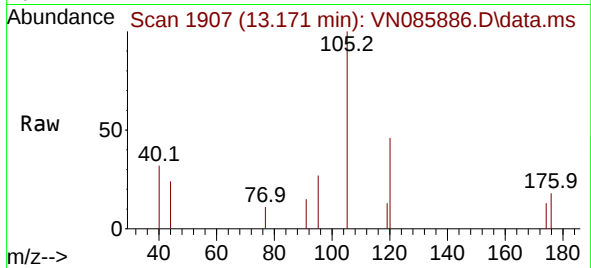




#80
 1,3,5-Trimethylbenzene
 Concen: 0.234 ug/l
 RT: 13.171 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VN085886.D
 Acq: 27 Feb 2025 13:39

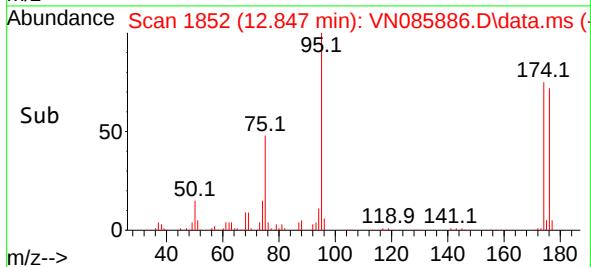
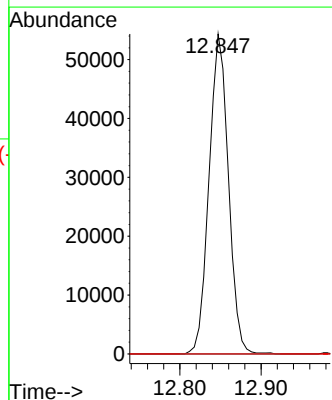
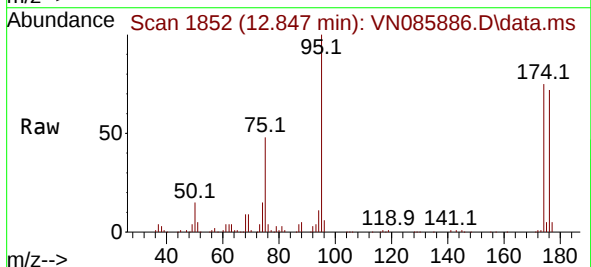
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

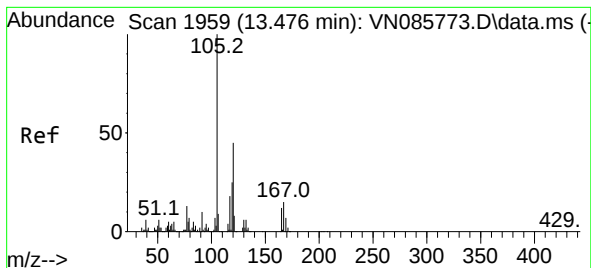
Tgt Ion:105 Resp: 2467
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.428 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.118 min
 Lab File: VN085886.D
 Acq: 27 Feb 2025 13:39

Tgt Ion: 75 Resp: 89976
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.110 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

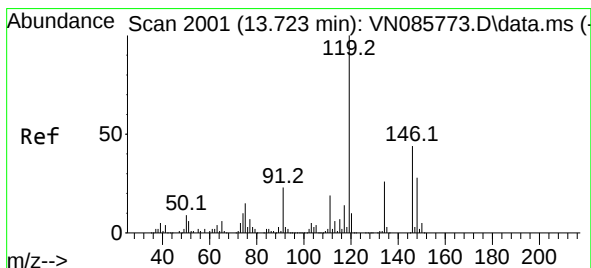
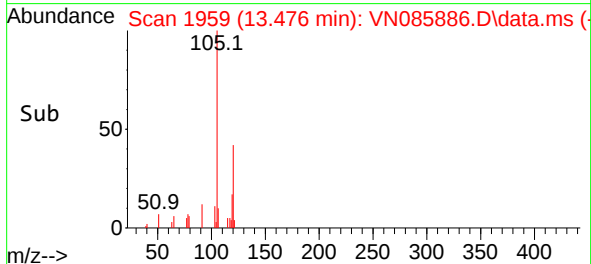
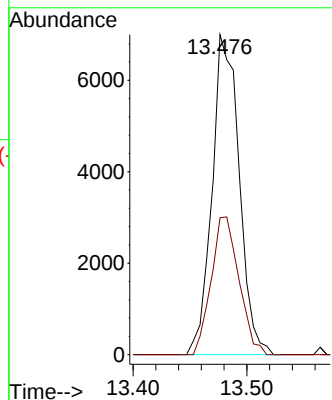
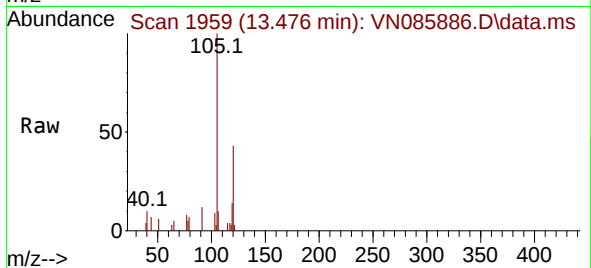
IBLK

Tgt Ion:105 Resp: 11603

Ion Ratio Lower Upper

105 100

120 44.2 22.4 67.3



#86

p-Isopropyltoluene

Concen: 0.658 ug/l

RT: 13.671 min Scan# 1992

Delta R.T. -0.053 min

Lab File: VN085886.D

Acq: 27 Feb 2025 13:39

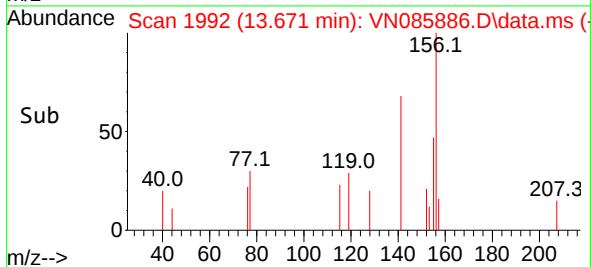
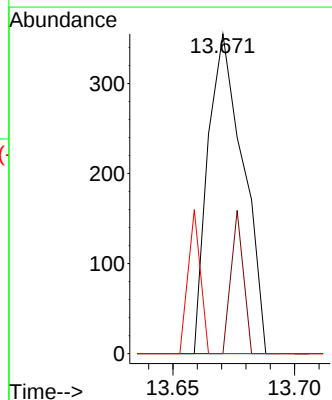
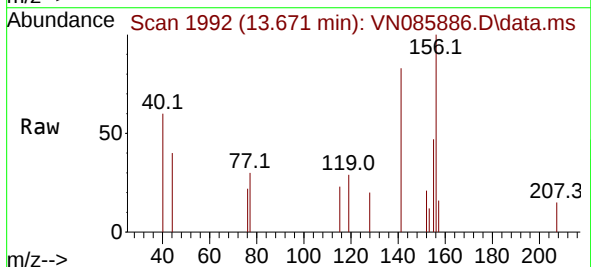
Tgt Ion:119 Resp: 357

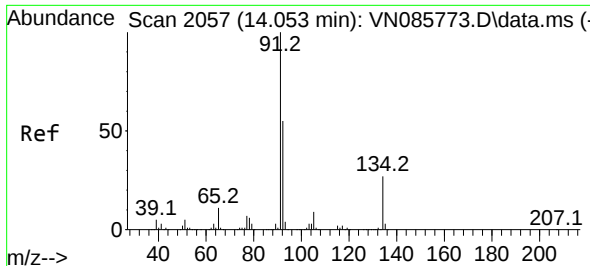
Ion Ratio Lower Upper

119 100

134 15.7 13.0 39.0

91 15.7 11.7 35.1

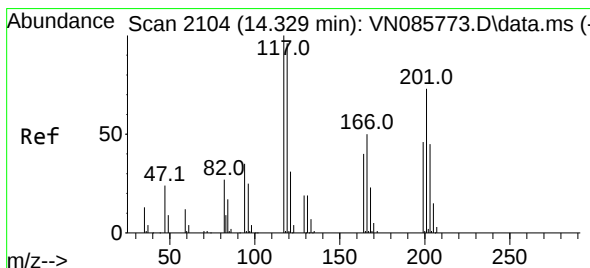
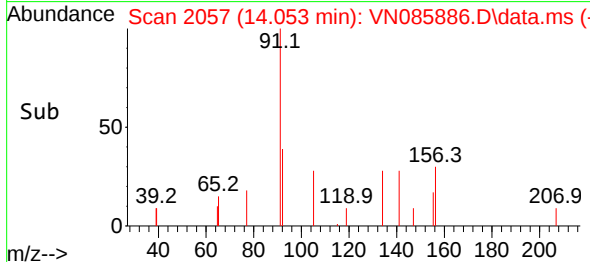
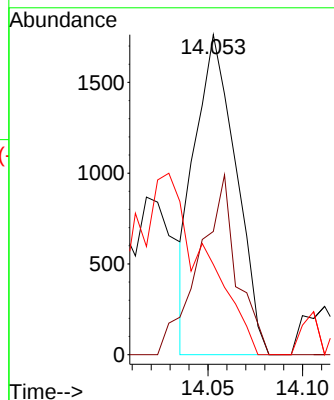
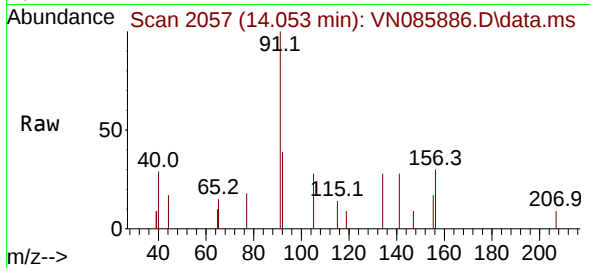




#89
n-Butylbenzene
Concen: 0.297 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

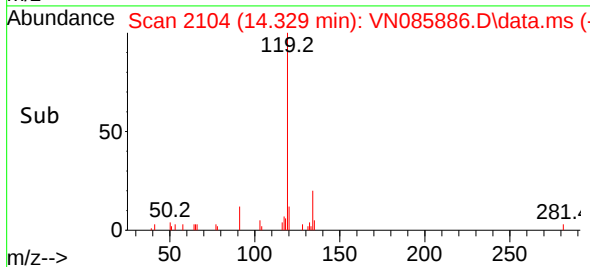
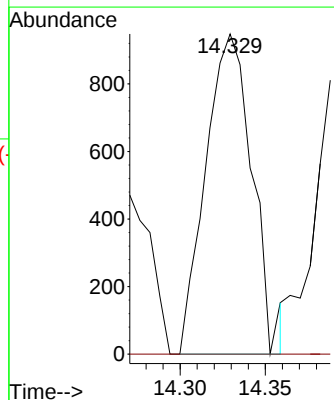
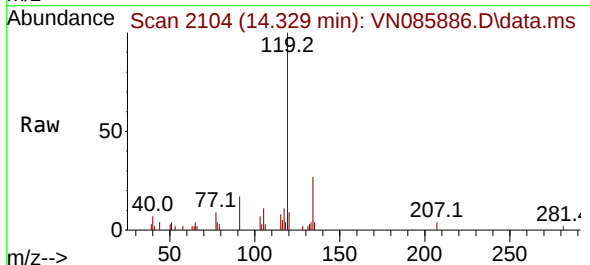
Instrument :
MSVOA_N
ClientSampleId :
IBLK

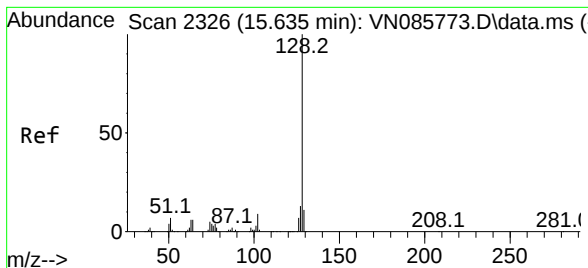
Tgt Ion: 91 Resp: 2646
Ion Ratio Lower Upper
91 100
92 52.5 27.1 81.3
134 0.0 12.7 38.1#



#90
Hexachloroethane
Concen: 0.759 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion: 117 Resp: 1805
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.9#

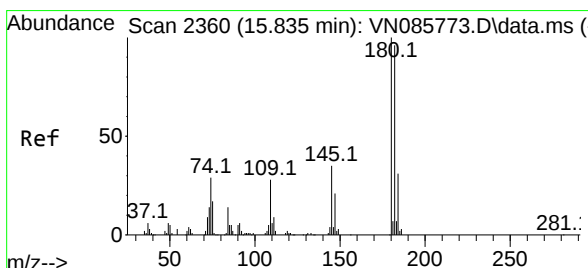
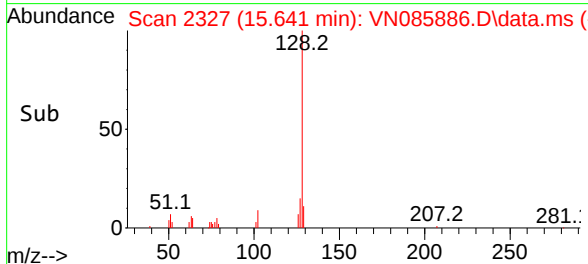
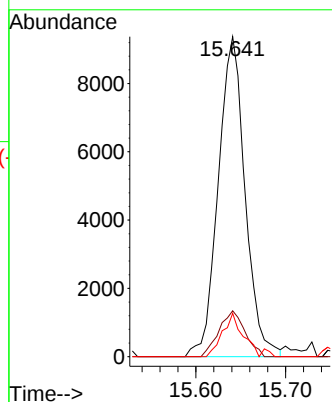
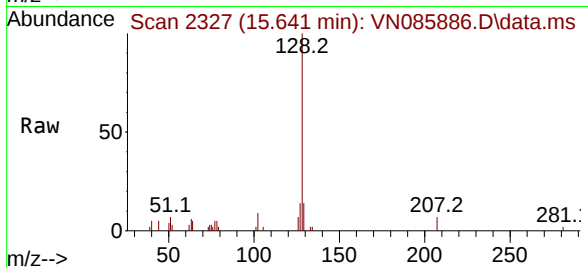




#95
Naphthalene
Concen: 2.358 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 19472
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.213 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085886.D
Acq: 27 Feb 2025 13:39

Tgt Ion:180 Resp: 643
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 57.7 16.9 50.6#

