

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040425\
 Data File : VN086229.D
 Acq On : 04 Apr 2025 13:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 05 00:50:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 05 00:04:36 2025
 Response via : Initial Calibration

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

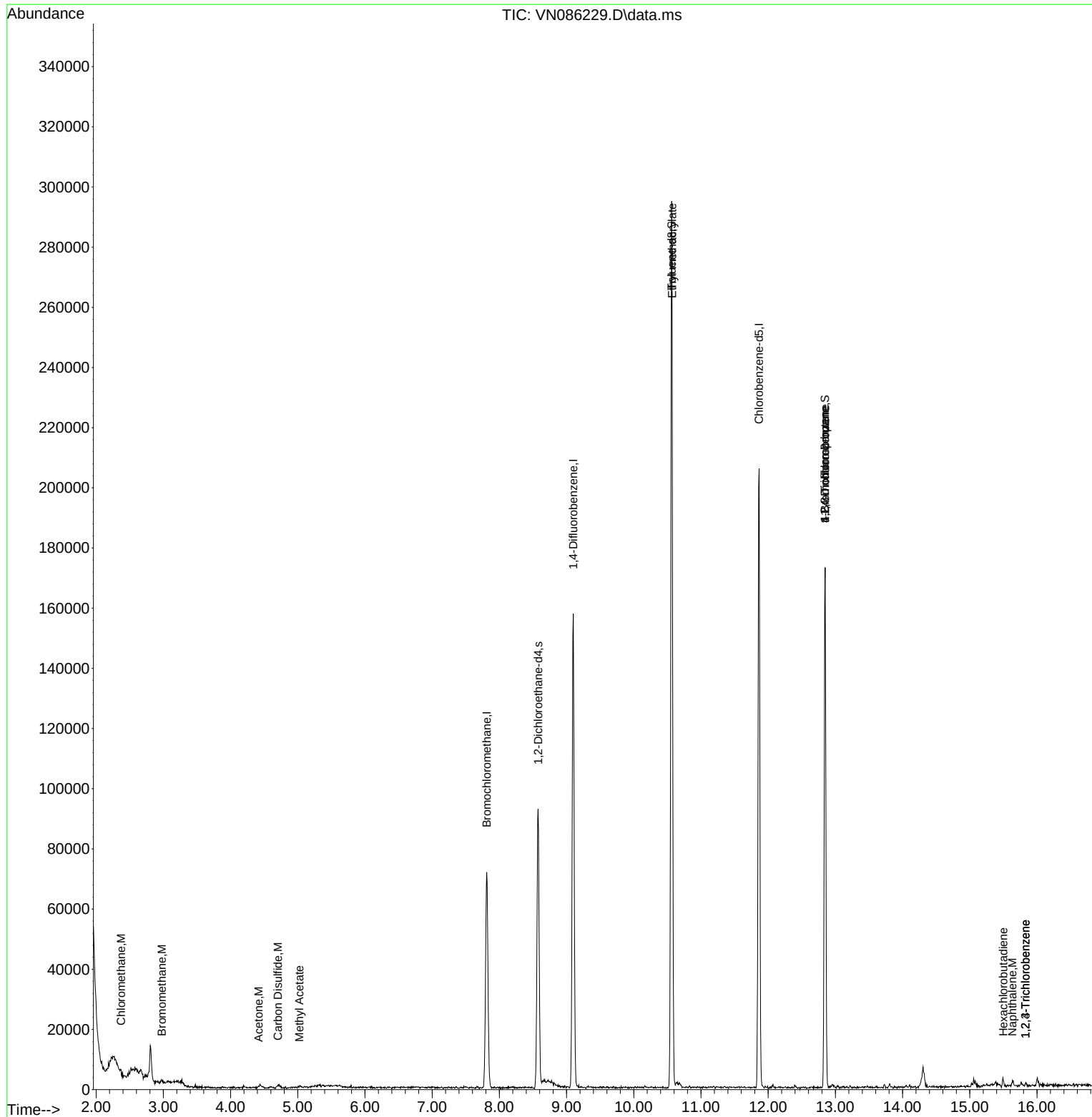
Internal Standards						
1) Bromochloromethane	7.812	128	26229	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	136389	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	124864	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79175	30.920	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.067%
60) 4-Bromofluorobenzene	12.847	95	62522	25.545	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.133%
63) Toluene-d8	10.565	98	204435	29.574	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.567%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	658	0.253	ug/l	96
5) Bromomethane	2.977	94	536	0.431	ug/l	95
12) Methyl Acetate	5.024	43	439	0.208	ug/l #	46
15) Acetone	4.418	58	60	0.233	ug/l #	24
16) Carbon Disulfide	4.706	76	2454	0.442	ug/l #	77
51) Ethyl methacrylate	10.571	69	680	0.241	ug/l #	69
72) 1,2,3-Trichloropropane	12.847	75	32161	14.843	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	32161	34.259	ug/l #	16
89) 1,2,4-Trichlorobenzene	15.829	180	687	0.343	ug/l #	47
90) Hexachlorobutadiene	15.500	225	734	0.655	ug/l	88
91) Naphthalene	15.635	128	2136	0.330	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.829	180	687	0.343	ug/l #	47

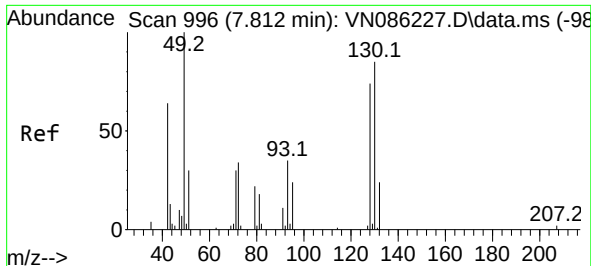
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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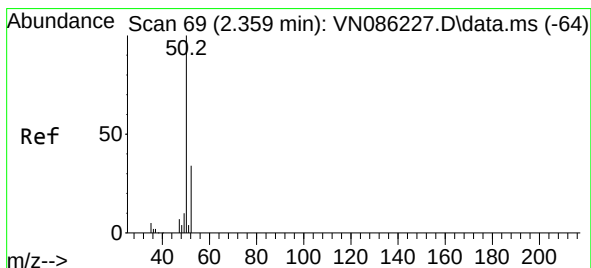
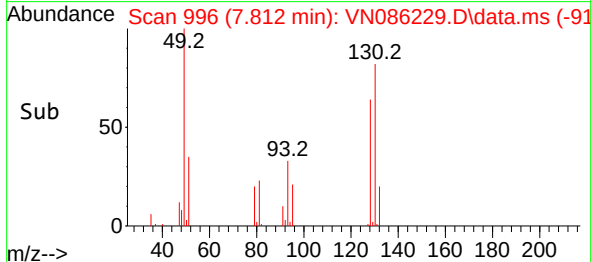
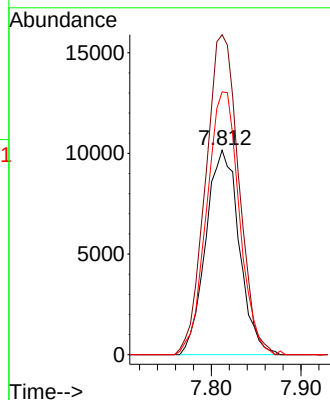
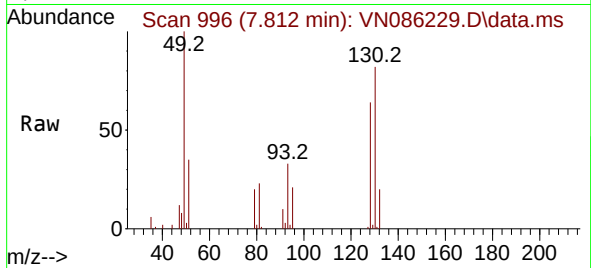




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

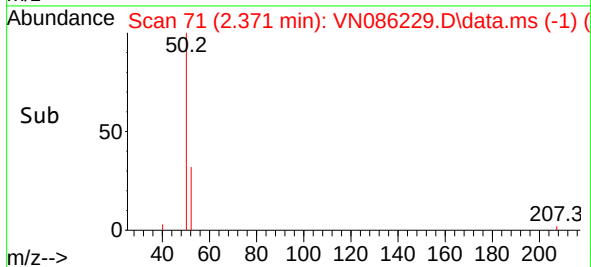
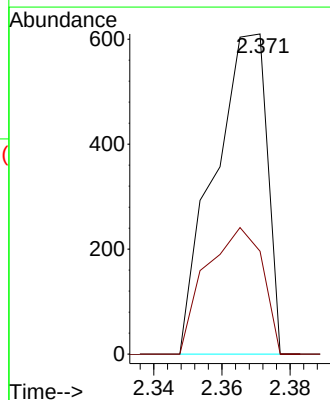
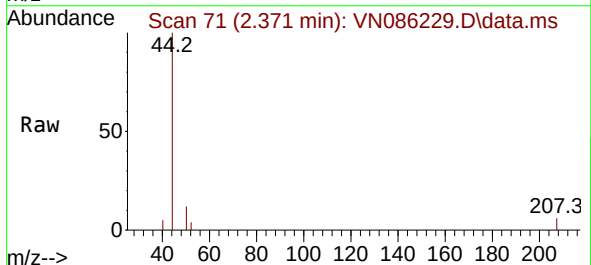
Instrument :
MSVOA_N
ClientSampleId :
IBLK

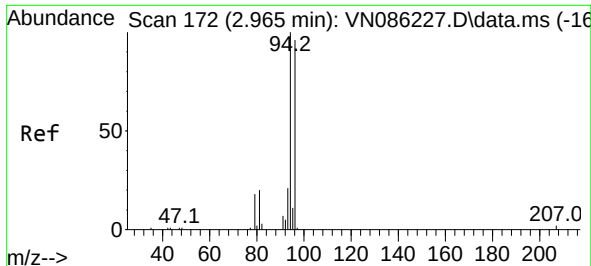
Tgt Ion:128 Resp: 26229
Ion Ratio Lower Upper
128 100
49 155.7 0.0 384.5
130 125.8 0.0 324.3



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 32.1 27.5 41.3

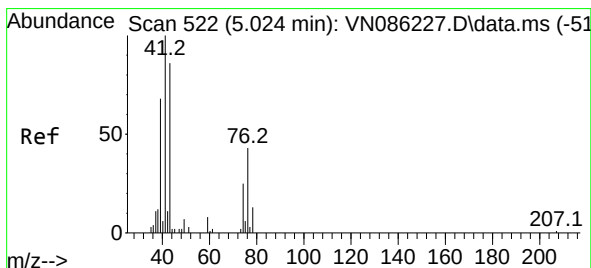
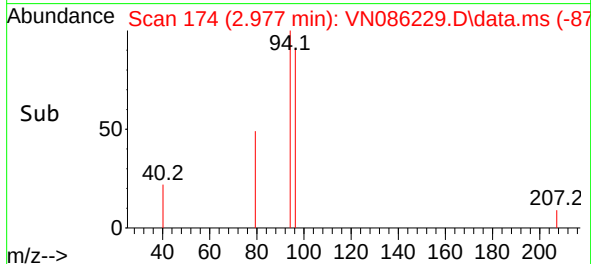
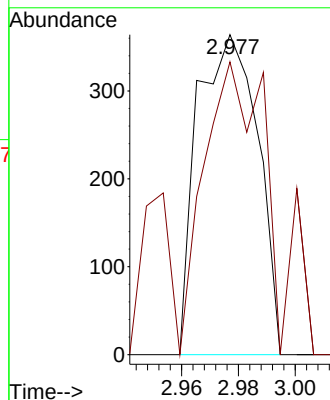
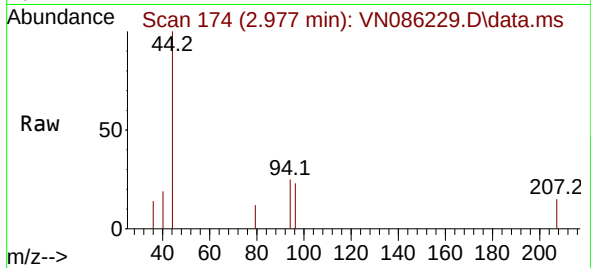




#5
Bromomethane
Concen: 0.431 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

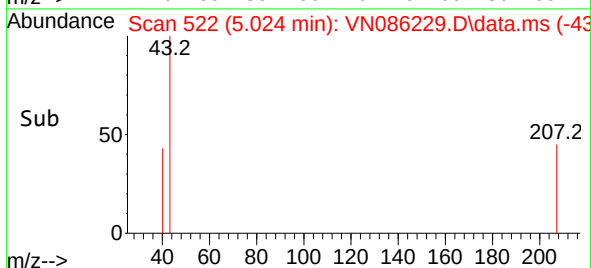
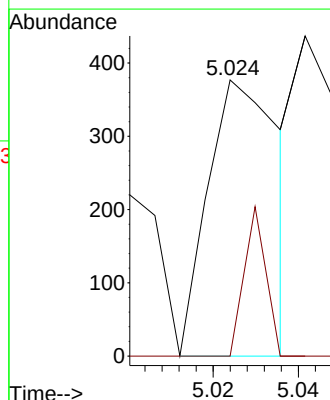
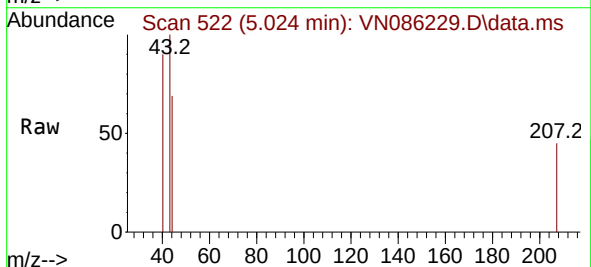
Instrument :
MSVOA_N
ClientSampleId :
IBLK

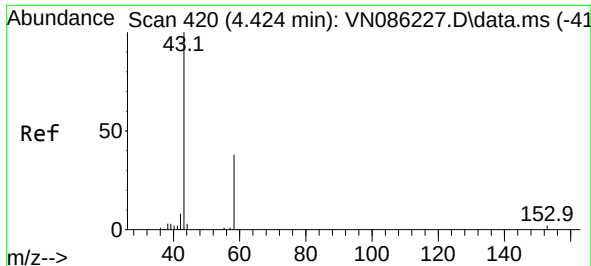
Tgt Ion: 94 Resp: 536
Ion Ratio Lower Upper
94 100
96 91.5 77.0 115.4



#12
Methyl Acetate
Concen: 0.208 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#





#15

Acetone

Concen: 0.233 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN086229.D

Acq: 04 Apr 2025 13:14

Instrument :

MSVOA_N

ClientSampleId :

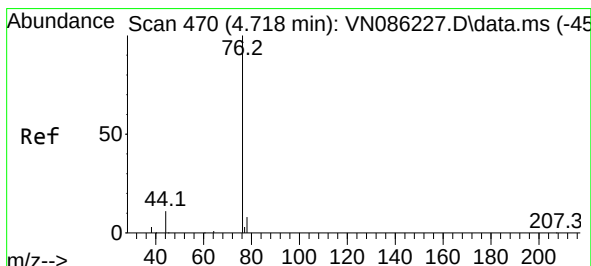
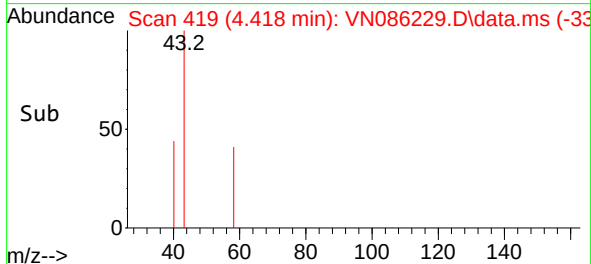
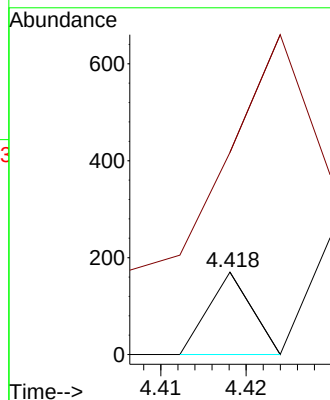
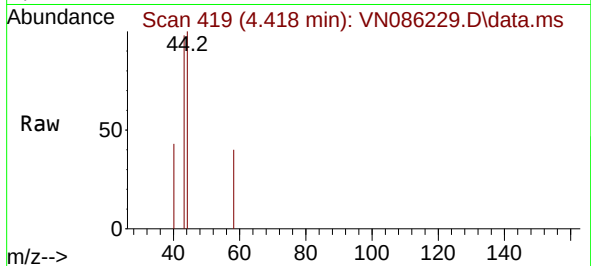
IBLK

Tgt Ion: 58 Resp: 60

Ion Ratio Lower Upper

58 100

43 124.7 209.6 314.4#



#16

Carbon Disulfide

Concen: 0.442 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.012 min

Lab File: VN086229.D

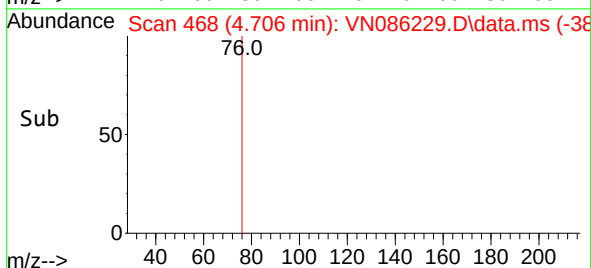
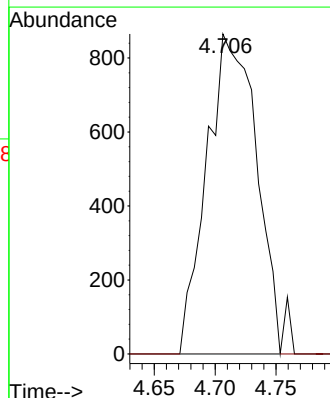
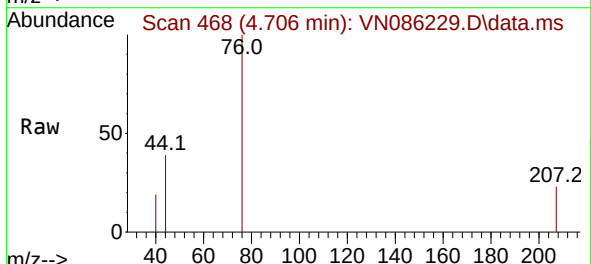
Acq: 04 Apr 2025 13:14

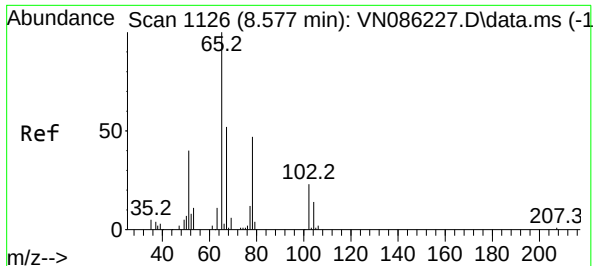
Tgt Ion: 76 Resp: 2454

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#





#27

1,2-Dichloroethane-d4

Concen: 30.920 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086229.D

Acq: 04 Apr 2025 13:14

Instrument :

MSVOA_N

ClientSampleId :

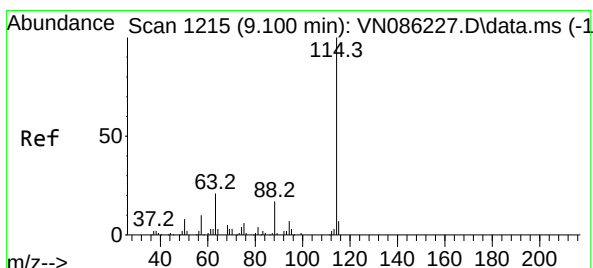
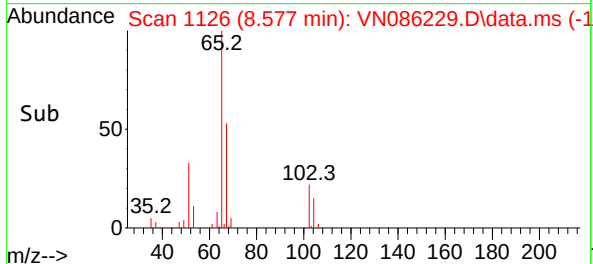
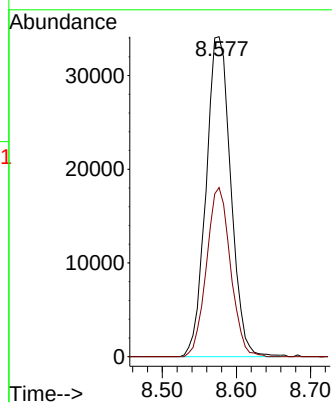
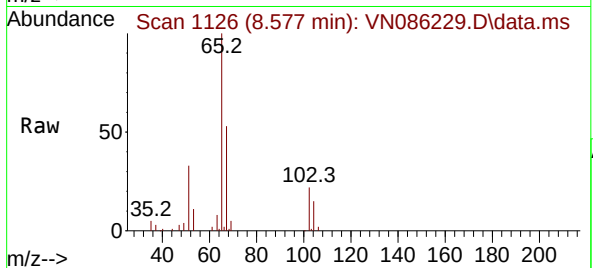
IBLK

Tgt Ion: 65 Resp: 79175

Ion Ratio Lower Upper

65 100

67 51.2 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086229.D

Acq: 04 Apr 2025 13:14

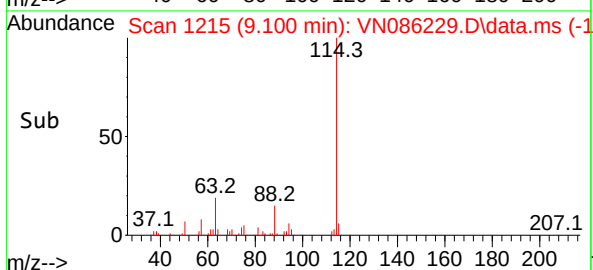
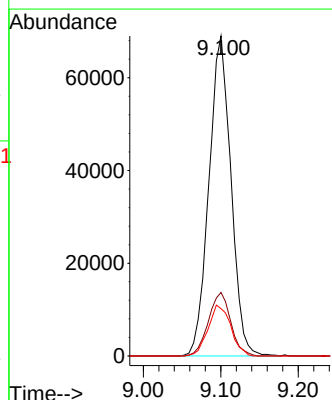
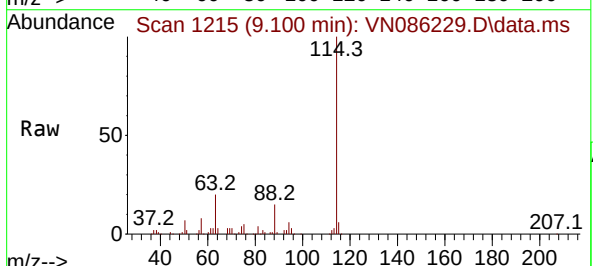
Tgt Ion: 114 Resp: 136389

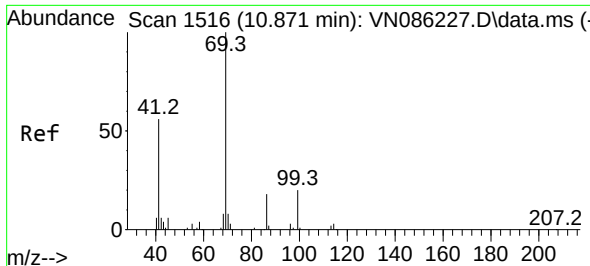
Ion Ratio Lower Upper

114 100

63 20.1 16.4 24.6

88 16.4 13.4 20.2

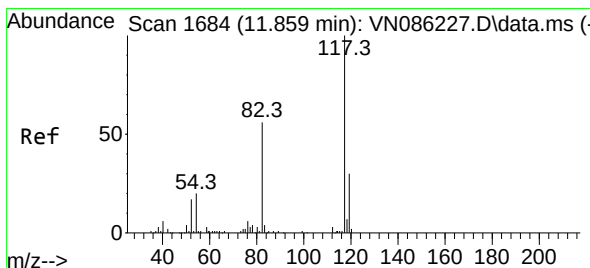
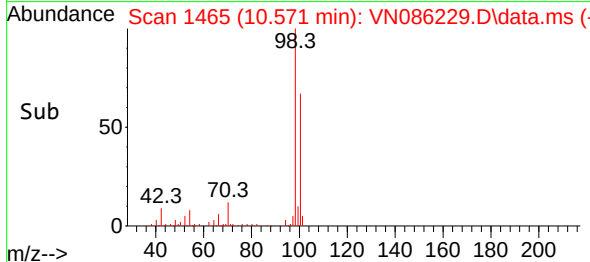
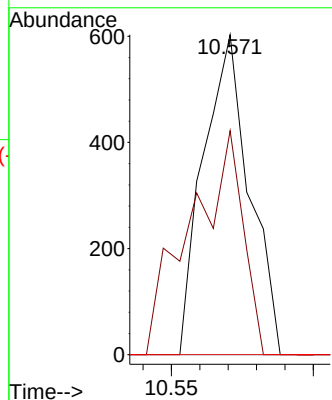
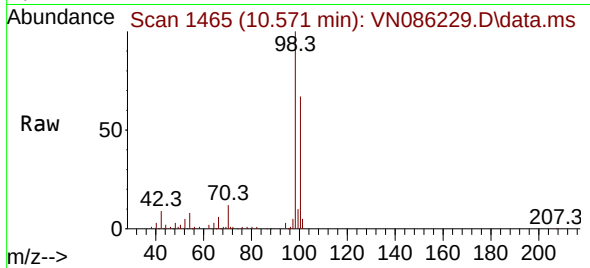




#51
Ethyl methacrylate
Concen: 0.241 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

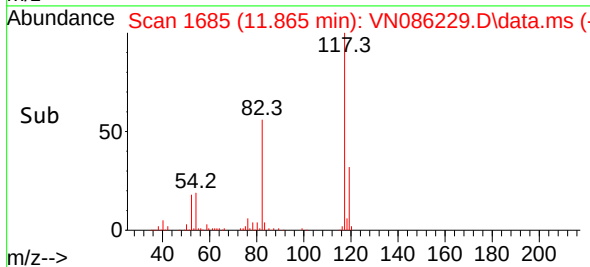
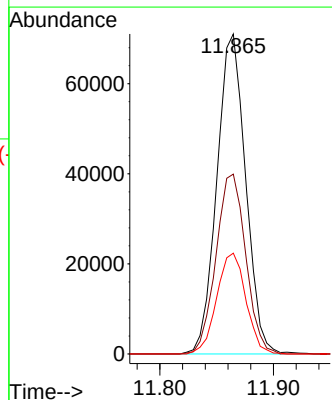
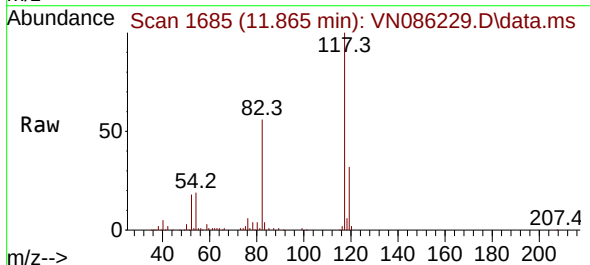
Instrument :
MSVOA_N
ClientSampleId :
IBLK

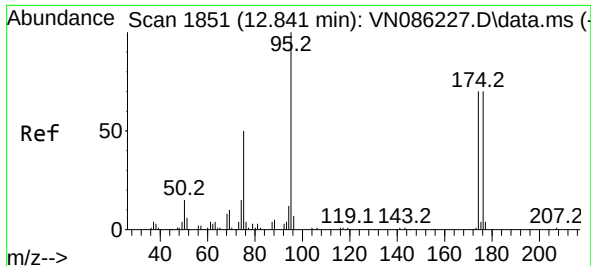
Tgt Ion: 69 Resp: 680
Ion Ratio Lower Upper
69 100
41 70.0 27.8 83.3
39 0.0 14.1 42.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion:117 Resp: 124864
Ion Ratio Lower Upper
117 100
82 58.1 46.0 69.0
119 32.0 25.4 38.0

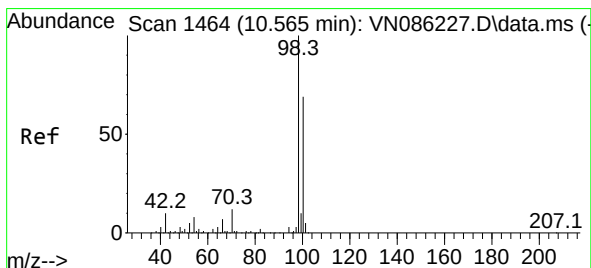
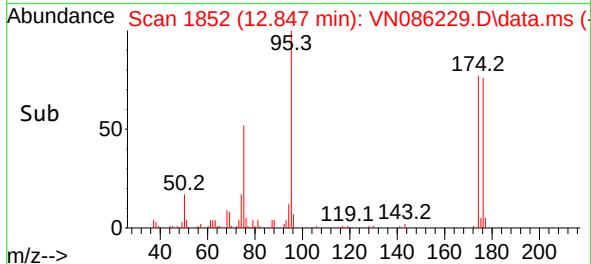
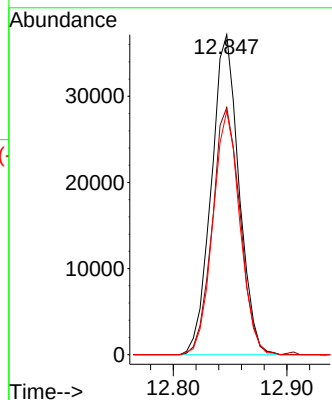
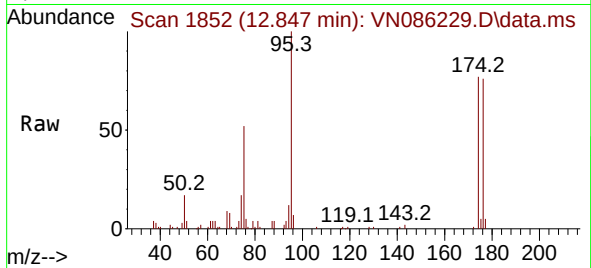




#60
4-Bromofluorobenzene
Concen: 25.545 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

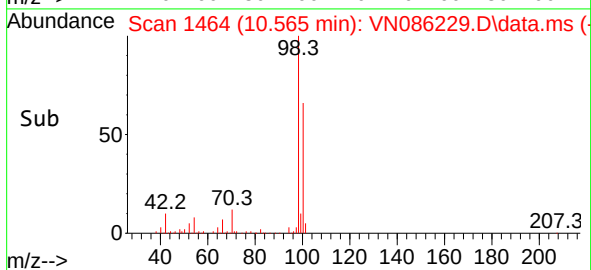
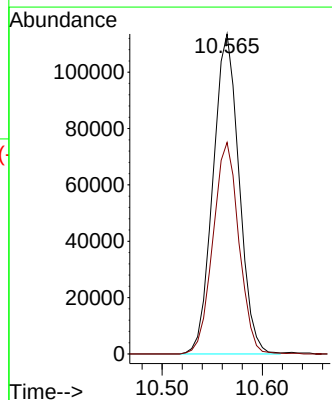
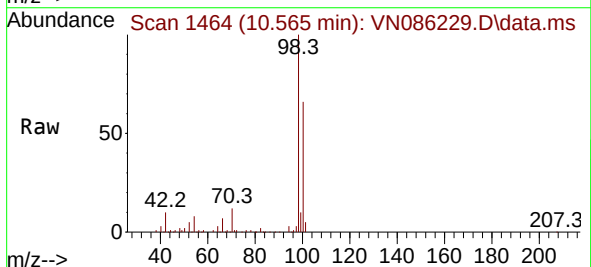
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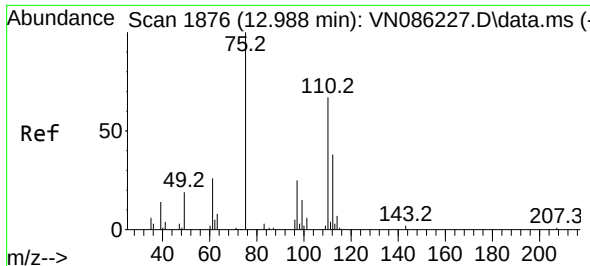
Tgt Ion: 95 Resp: 62522
Ion Ratio Lower Upper
95 100
174 78.2 59.7 89.5
176 74.6 56.8 85.2



#63
Toluene-d8
Concen: 29.574 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion: 98 Resp: 204435
Ion Ratio Lower Upper
98 100
100 65.7 53.9 80.9

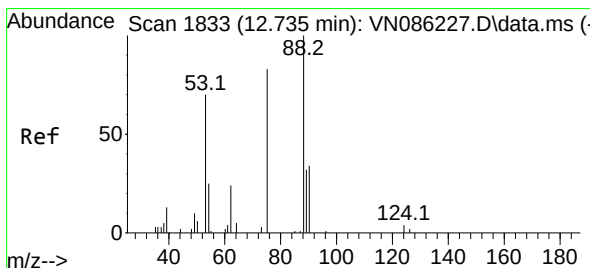
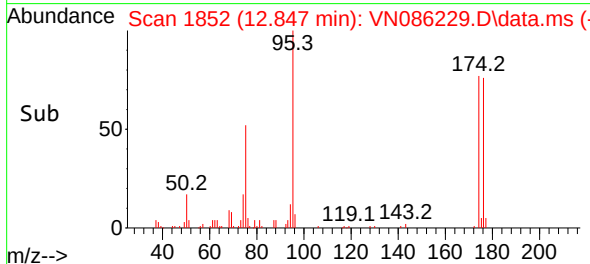
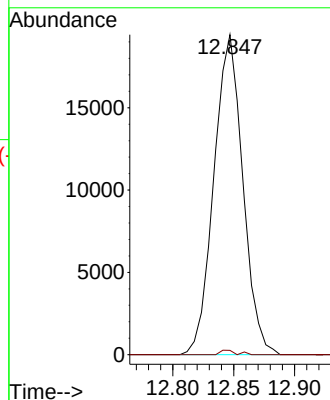
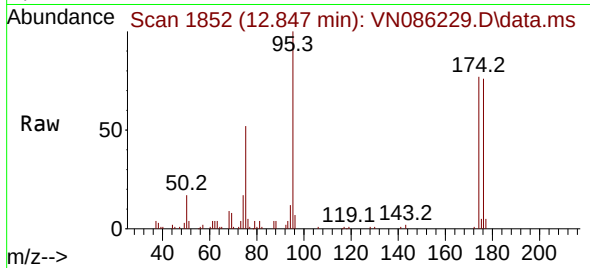




#72
1,2,3-Trichloropropane
Concen: 14.843 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

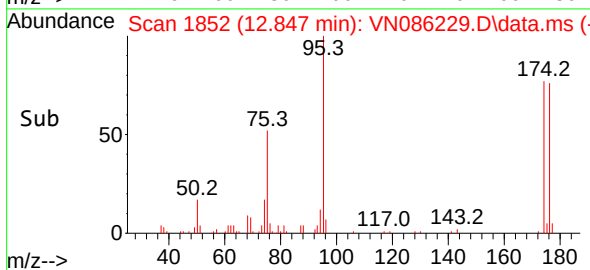
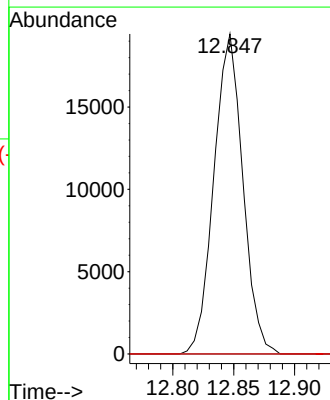
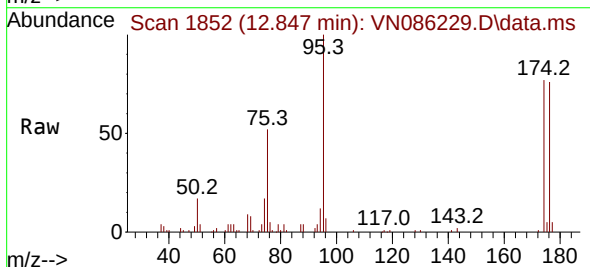
Instrument :
MSVOA_N
ClientSampleId :
IBLK

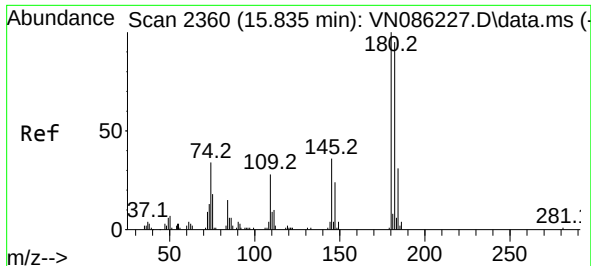
Tgt Ion: 75 Resp: 32161
Ion Ratio Lower Upper
75 100
77 0.6 0.0 412.2



#77
t-1,4-Dichloro-2-butene
Concen: 34.259 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion: 75 Resp: 32161
Ion Ratio Lower Upper
75 100
53 0.0 42.0 126.0#
89 0.0 21.6 65.0#





#89

1,2,4-Trichlorobenzene

Concen: 0.343 ug/l

RT: 15.829 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086229.D

Acq: 04 Apr 2025 13:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

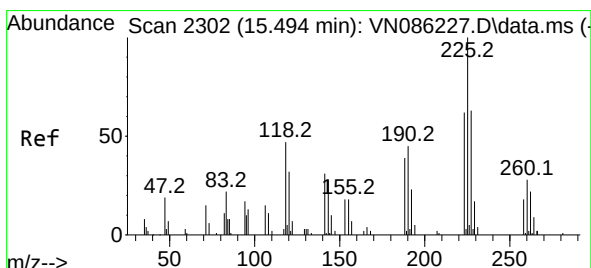
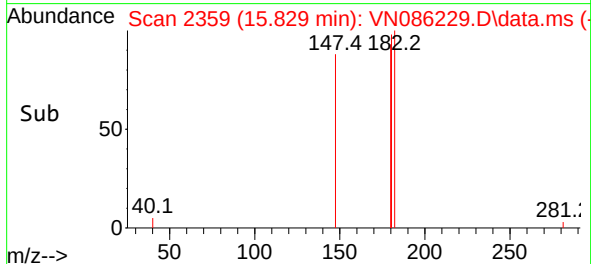
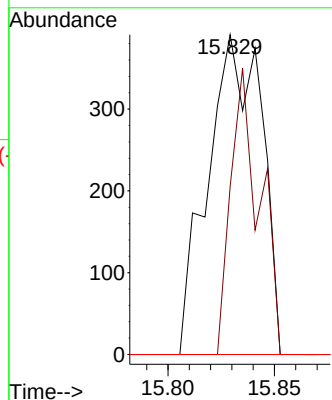
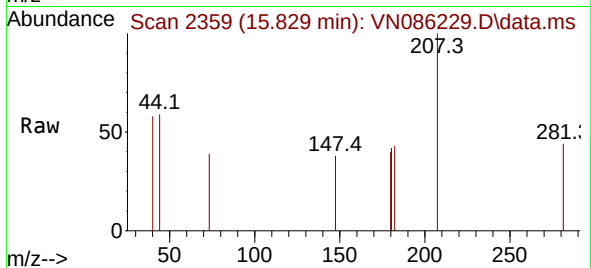
Tgt Ion:180 Resp: 687

Ion Ratio Lower Upper

180 100

182 48.0 78.6 117.8#

145 0.0 27.8 41.6#



#90

Hexachlorobutadiene

Concen: 0.655 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN086229.D

Acq: 04 Apr 2025 13:14

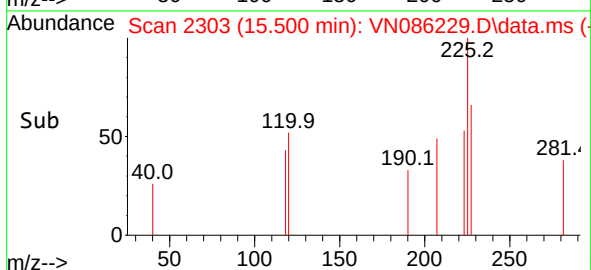
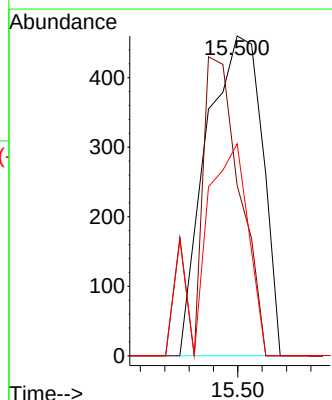
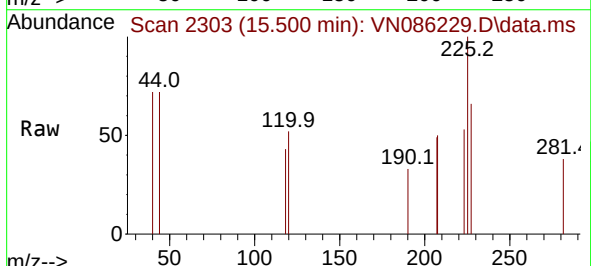
Tgt Ion:225 Resp: 734

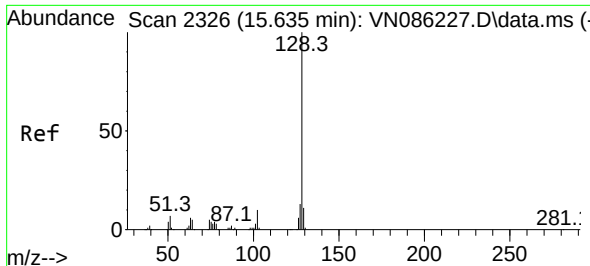
Ion Ratio Lower Upper

225 100

223 60.8 0.0 126.2

227 46.5 0.0 124.6

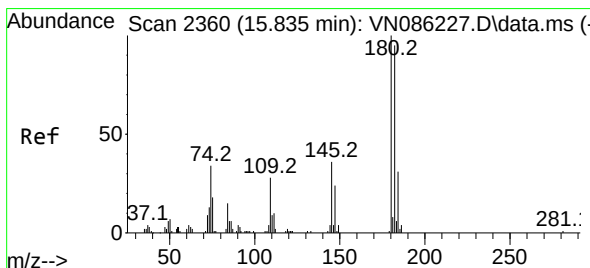
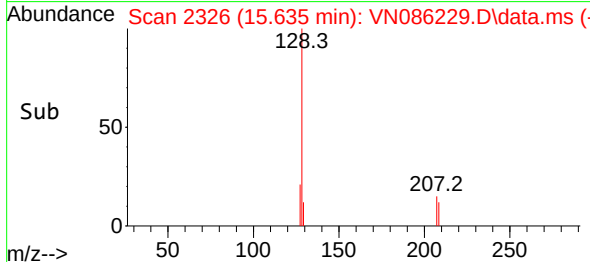
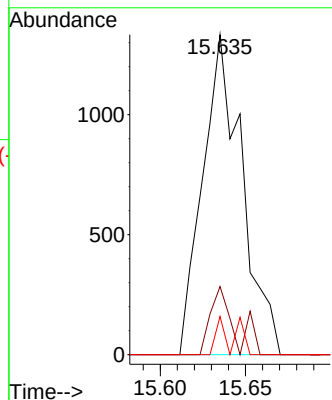
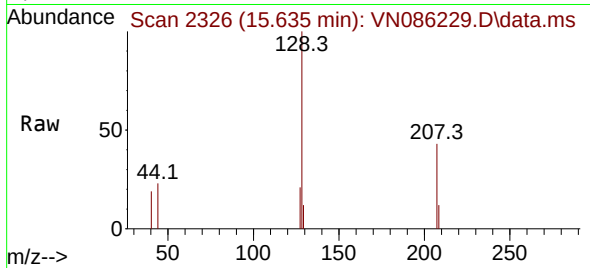




#91
Naphthalene
Concen: 0.330 ug/l
RT: 15.635 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.0	10.2	15.4#
129	2.6	8.5	12.7#



#92
1,2,3-Trichlorobenzene
Concen: 0.343 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	48.0	0.0	196.4
145	0.0	0.0	69.4

