

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087724.D
 Acq On : 04 Sep 2025 15:41
 Operator : JC\MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BLK

Quant Time: Sep 05 02:22:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

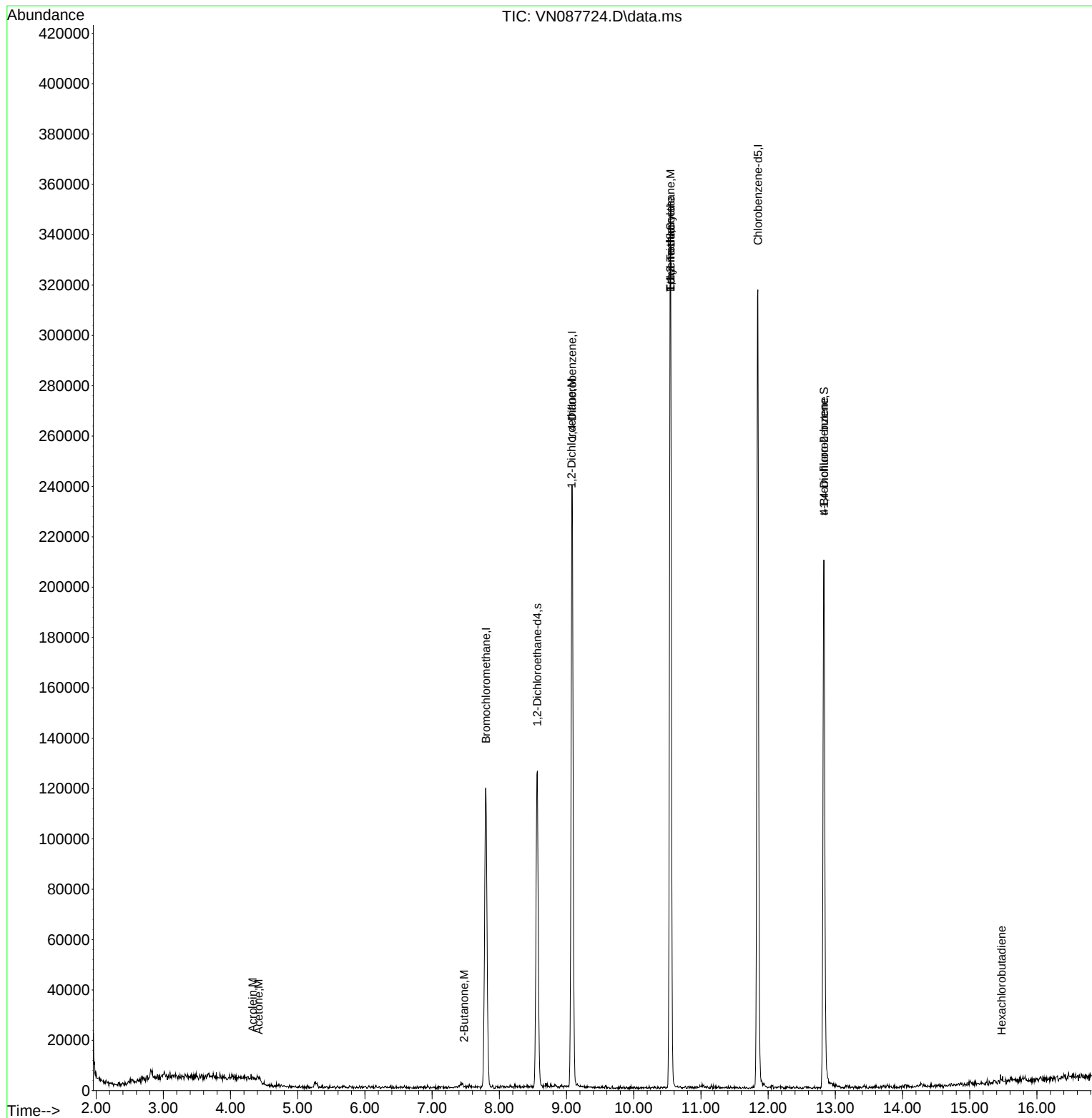
Internal Standards						
1) Bromochloromethane	7.800	128	39657	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	194323	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	169955	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	103885	28.401	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.667%
60) 4-Bromofluorobenzene	12.829	95	74876	25.600	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.333%
63) Toluene-d8	10.547	98	232470	29.727	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.100%
Target Compounds						
					Qvalue	
13) Acrolein	4.330	56	148	0.242	ug/l	91
15) Acetone	4.418	58	457	0.914	ug/l #	1
30) 2-Butanone	7.477	43	474	0.203	ug/l #	57
36) 1,2-Dichloroethane	9.077	62	8450	2.090	ug/l #	77
50) 1,1,2-Trichloroethane	10.547	97	9137	3.757	ug/l #	1
51) Ethyl methacrylate	10.547	69	977	0.228	ug/l #	40
77) t-1,4-Dichloro-2-butene	12.829	75	42788	33.014	ug/l #	3
90) Hexachlorobutadiene	15.476	225	543	0.517	ug/l #	50

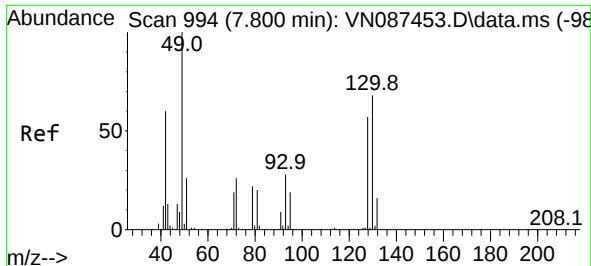
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
Data File : VN087724.D
Acq On : 04 Sep 2025 15:41
Operator : JC\MD
Sample : BLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BLK

Quant Time: Sep 05 02:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

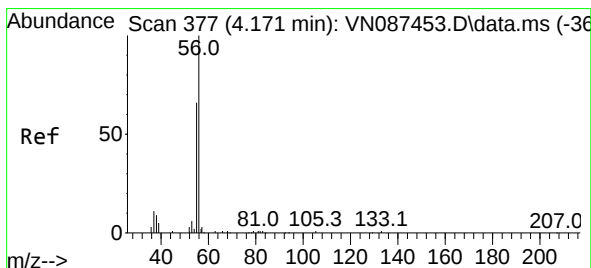
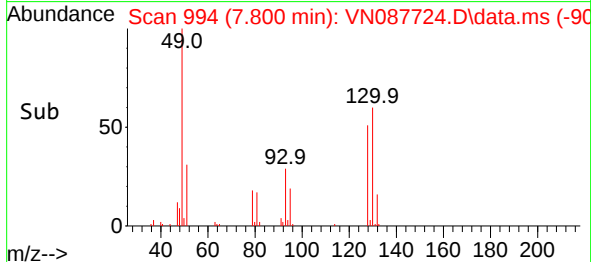
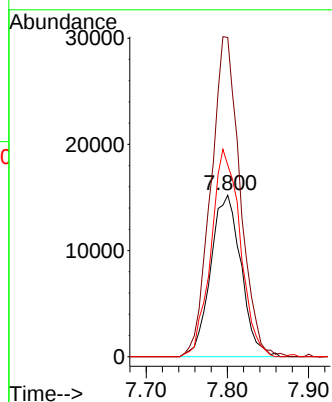
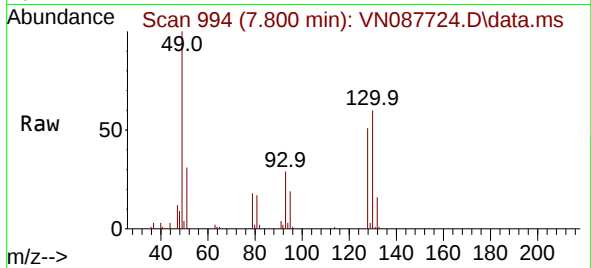




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

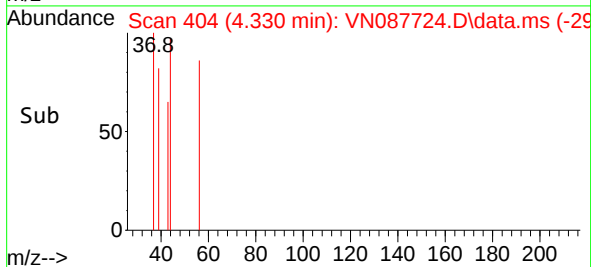
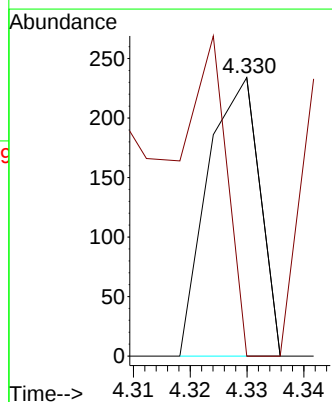
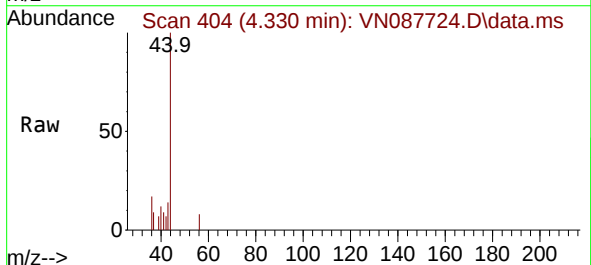
Instrument :
MSVOA_N
ClientSampleId :
BLK

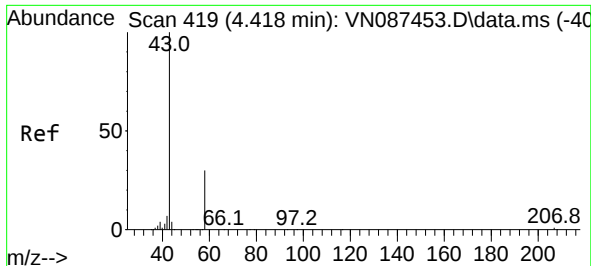
Tgt Ion:128 Resp: 39657
Ion Ratio Lower Upper
128 100
49 189.9 0.0 494.8
130 123.4 0.0 321.5



#13
Acrolein
Concen: 0.242 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.159 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 64.2 57.4 86.0

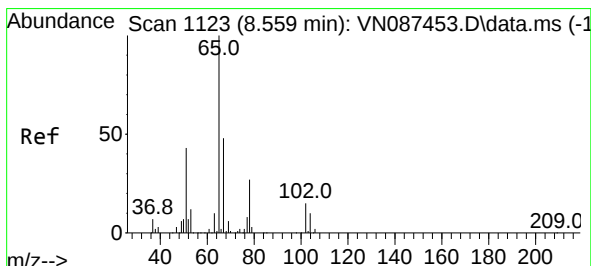
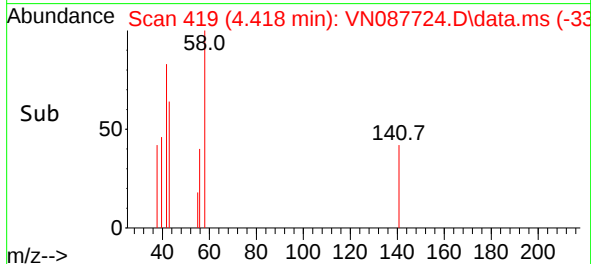
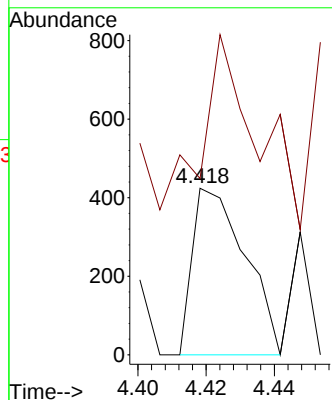
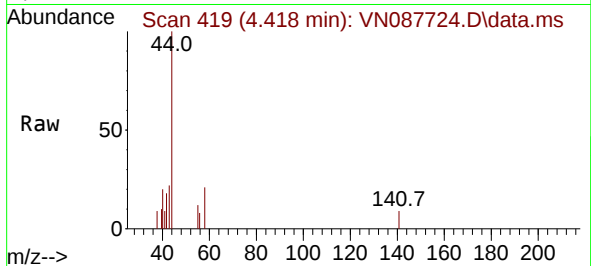




#15
Acetone
Concen: 0.914 ug/l
RT: 4.418 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

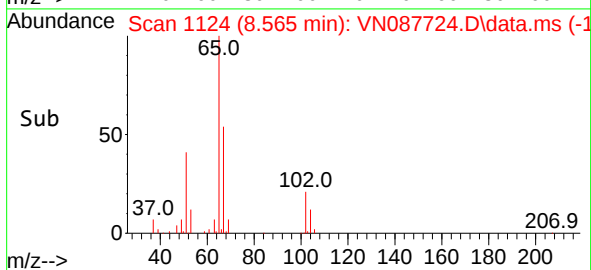
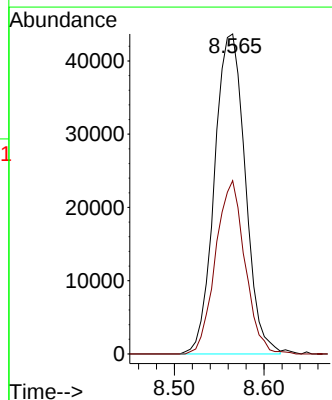
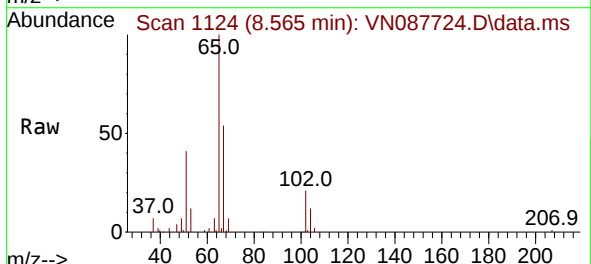
Instrument :
MSVOA_N
ClientSampleId :
BLK

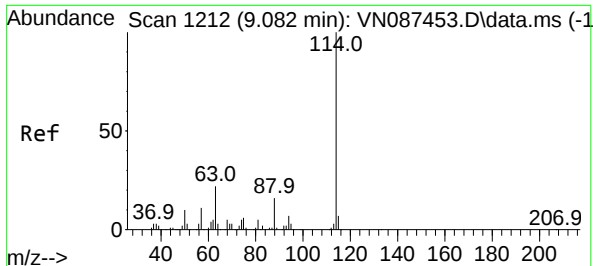
Tgt Ion: 58 Resp: 457
Ion Ratio Lower Upper
58 100
43 0.0 268.9 403.3#



#27
1,2-Dichloroethane-d4
Concen: 28.401 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

Tgt Ion: 65 Resp: 103885
Ion Ratio Lower Upper
65 100
67 51.9 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087724.D

Acq: 04 Sep 2025 15:41

Instrument :

MSVOA_N

ClientSampleId :

BLK

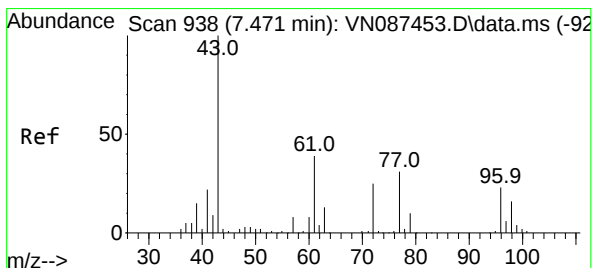
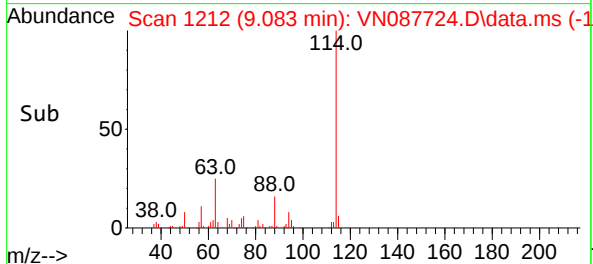
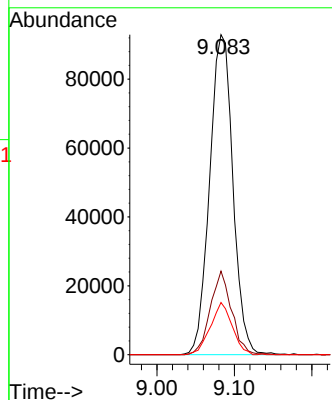
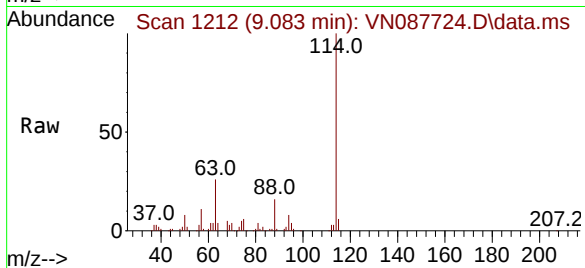
Tgt Ion:114 Resp: 194323

Ion Ratio Lower Upper

114 100

63 23.8 18.9 28.3

88 15.3 13.1 19.7



#30

2-Butanone

Concen: 0.203 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087724.D

Acq: 04 Sep 2025 15:41

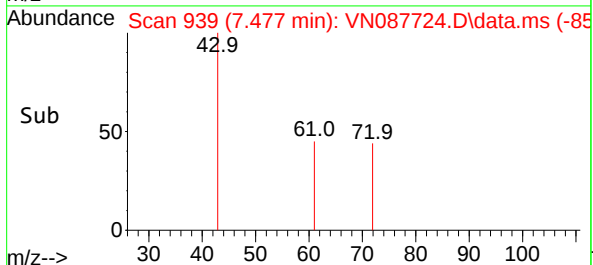
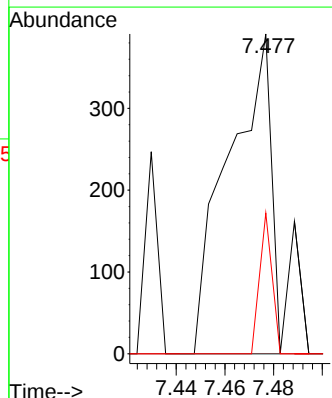
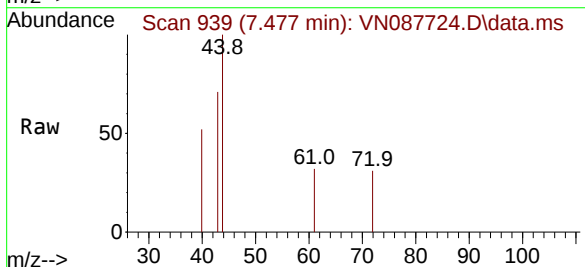
Tgt Ion: 43 Resp: 474

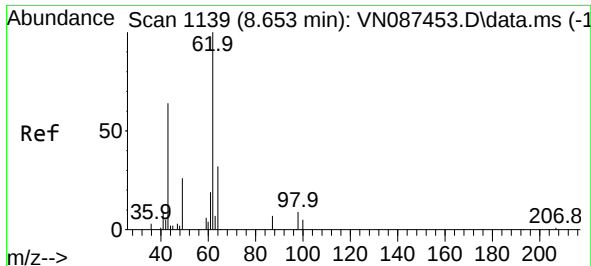
Ion Ratio Lower Upper

43 100

57 0.0 6.6 9.8#

72 0.0 19.7 29.5#





#36

1,2-Dichloroethane

Concen: 2.090 ug/l

RT: 9.077 min Scan# 1139

Delta R.T. 0.424 min

Lab File: VN087724.D

Acq: 04 Sep 2025 15:41

Instrument :

MSVOA_N

ClientSampleId :

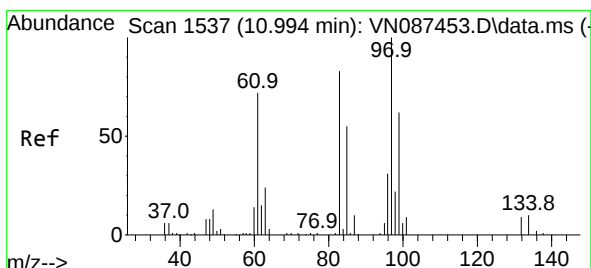
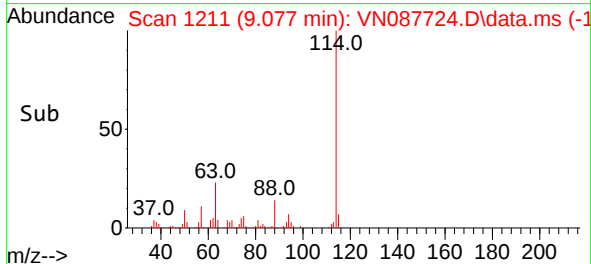
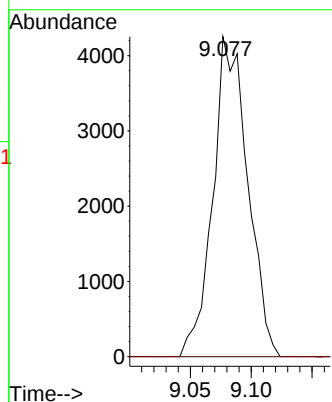
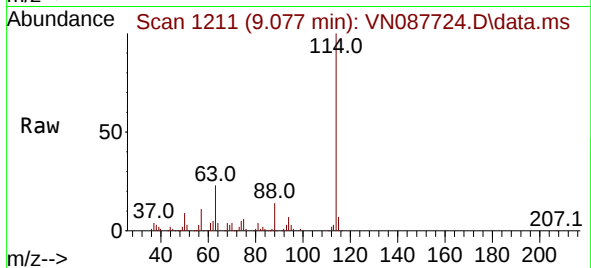
BLK

Tgt Ion: 62 Resp: 8450

Ion Ratio Lower Upper

62 100

98 0.0 6.6 9.8#



#50

1,1,2-Trichloroethane

Concen: 3.757 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.447 min

Lab File: VN087724.D

Acq: 04 Sep 2025 15:41

Tgt Ion: 97 Resp: 9137

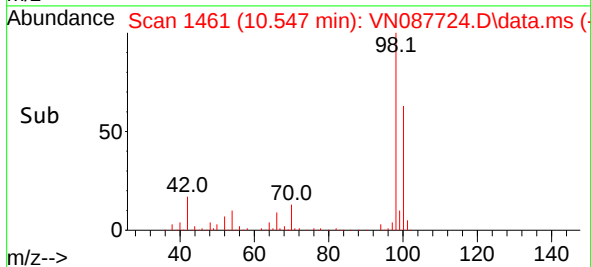
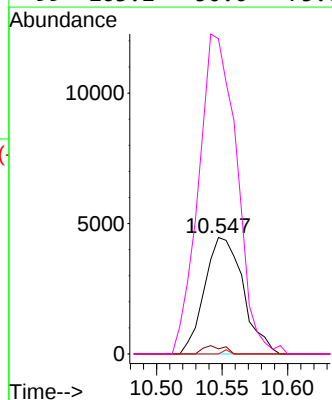
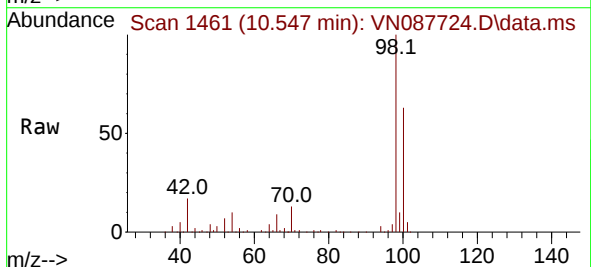
Ion Ratio Lower Upper

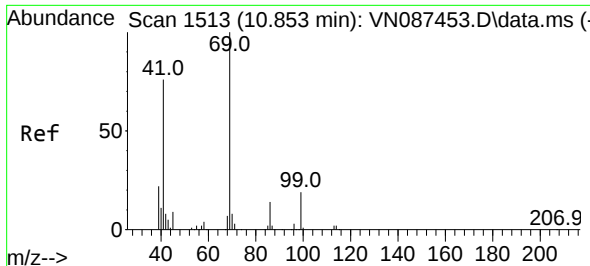
97 100

83 4.4 66.2 99.2#

85 0.0 43.9 65.9#

99 263.2 50.0 75.0#

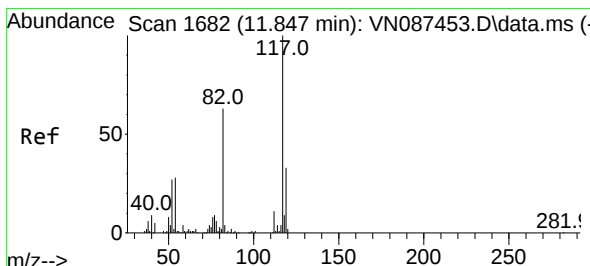
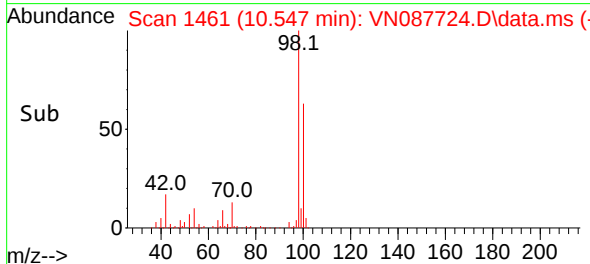
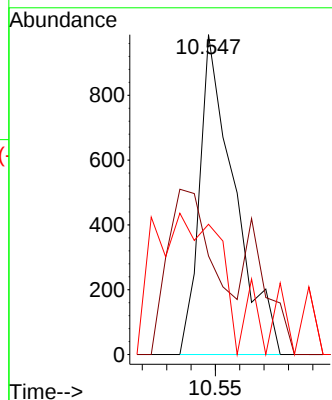
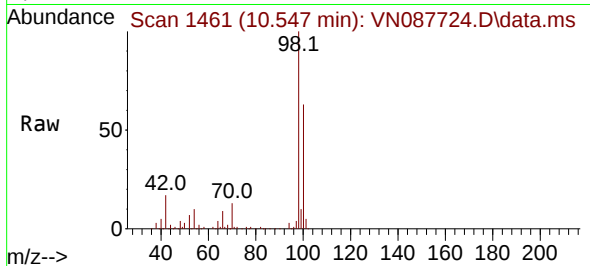




#51
Ethyl methacrylate
Concen: 0.228 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.306 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

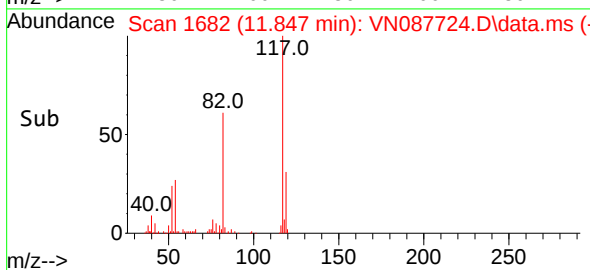
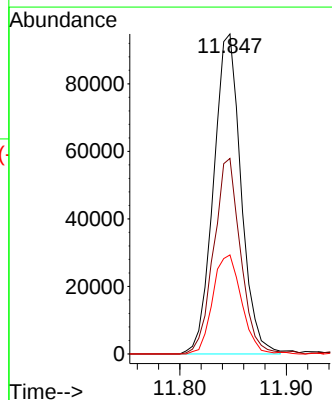
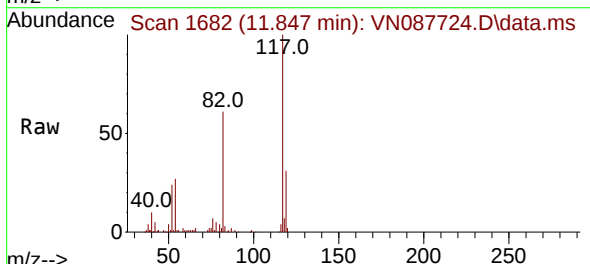
Instrument :
MSVOA_N
ClientSampleId :
BLK

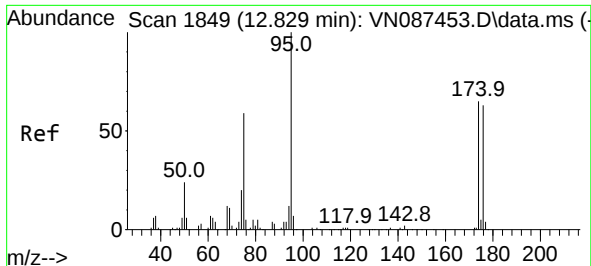
Tgt Ion: 69 Resp: 977
Ion Ratio Lower Upper
69 100
41 14.7 38.0 114.1#
39 18.3 23.2 69.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

Tgt Ion: 117 Resp: 169955
Ion Ratio Lower Upper
117 100
82 59.6 49.2 73.8
119 32.2 25.7 38.5

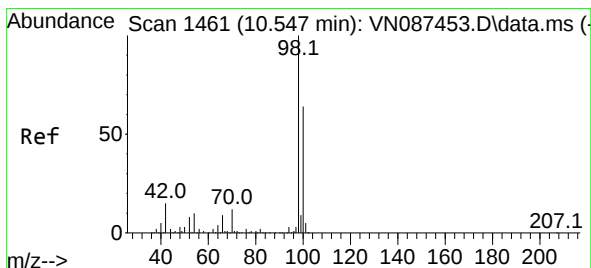
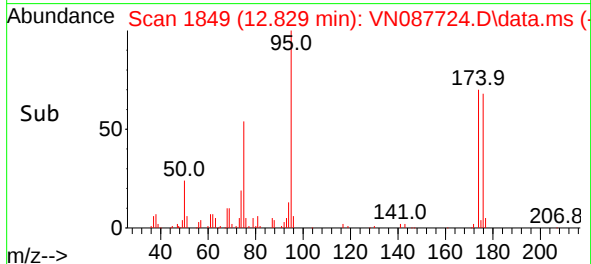
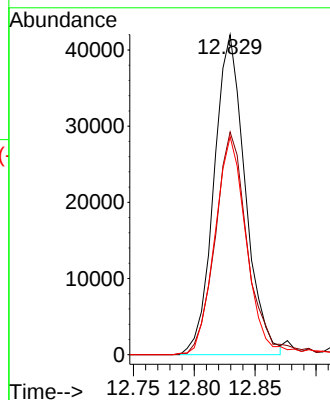
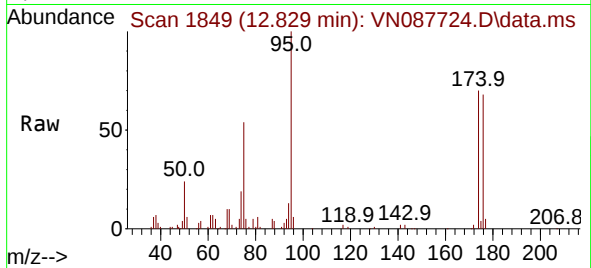




#60
4-Bromofluorobenzene
Concen: 25.600 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

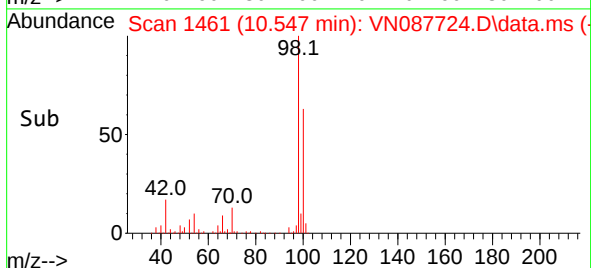
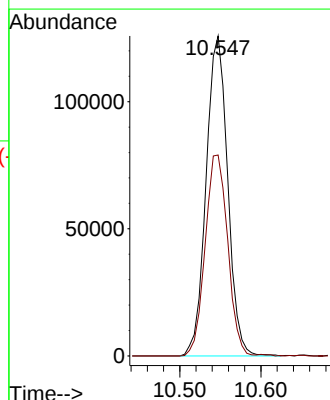
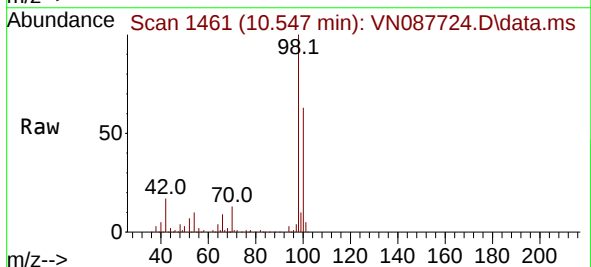
Instrument :
MSVOA_N
ClientSampleId :
BLK

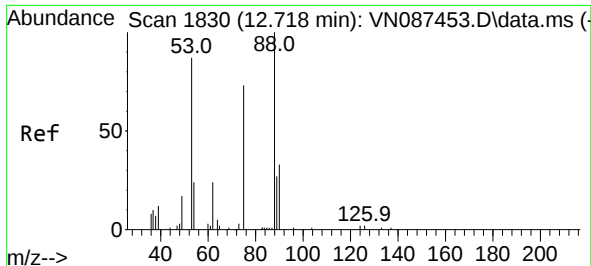
Tgt Ion: 95 Resp: 74876
Ion Ratio Lower Upper
95 100
174 70.1 52.3 78.5
176 68.9 49.8 74.8



#63
Toluene-d8
Concen: 29.727 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

Tgt Ion: 98 Resp: 232470
Ion Ratio Lower Upper
98 100
100 65.5 50.5 75.7

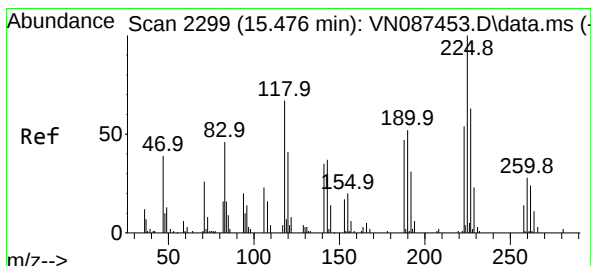
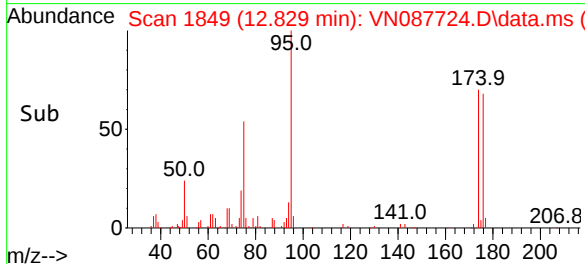
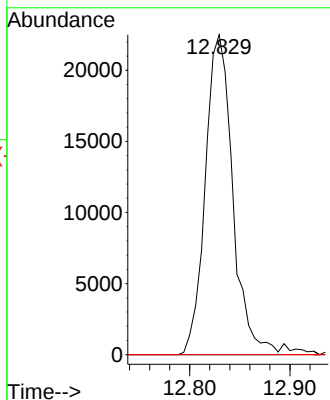
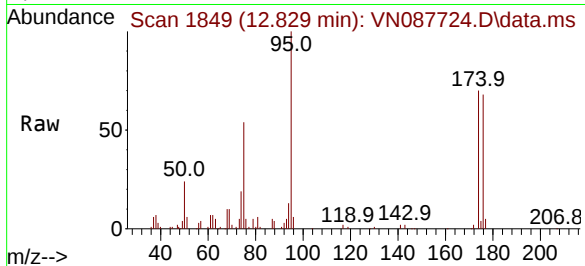




#77
t-1,4-Dichloro-2-butene
Concen: 33.014 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

Instrument :
MSVOA_N
ClientSampleId :
BLK

Tgt Ion: 75 Resp: 42788
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 22.1 66.5#



#90
Hexachlorobutadiene
Concen: 0.517 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087724.D
Acq: 04 Sep 2025 15:41

Tgt Ion: 225 Resp: 543
Ion Ratio Lower Upper
225 100
223 46.4 0.0 116.0
227 0.0 0.0 127.0

