

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078377.D
 Acq On : 23 Jun 2023 14:52
 Operator : JC\MD
 Sample : 03379-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230621026-03-TRIP-BLANK

Quant Time: Jun 24 01:20:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

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

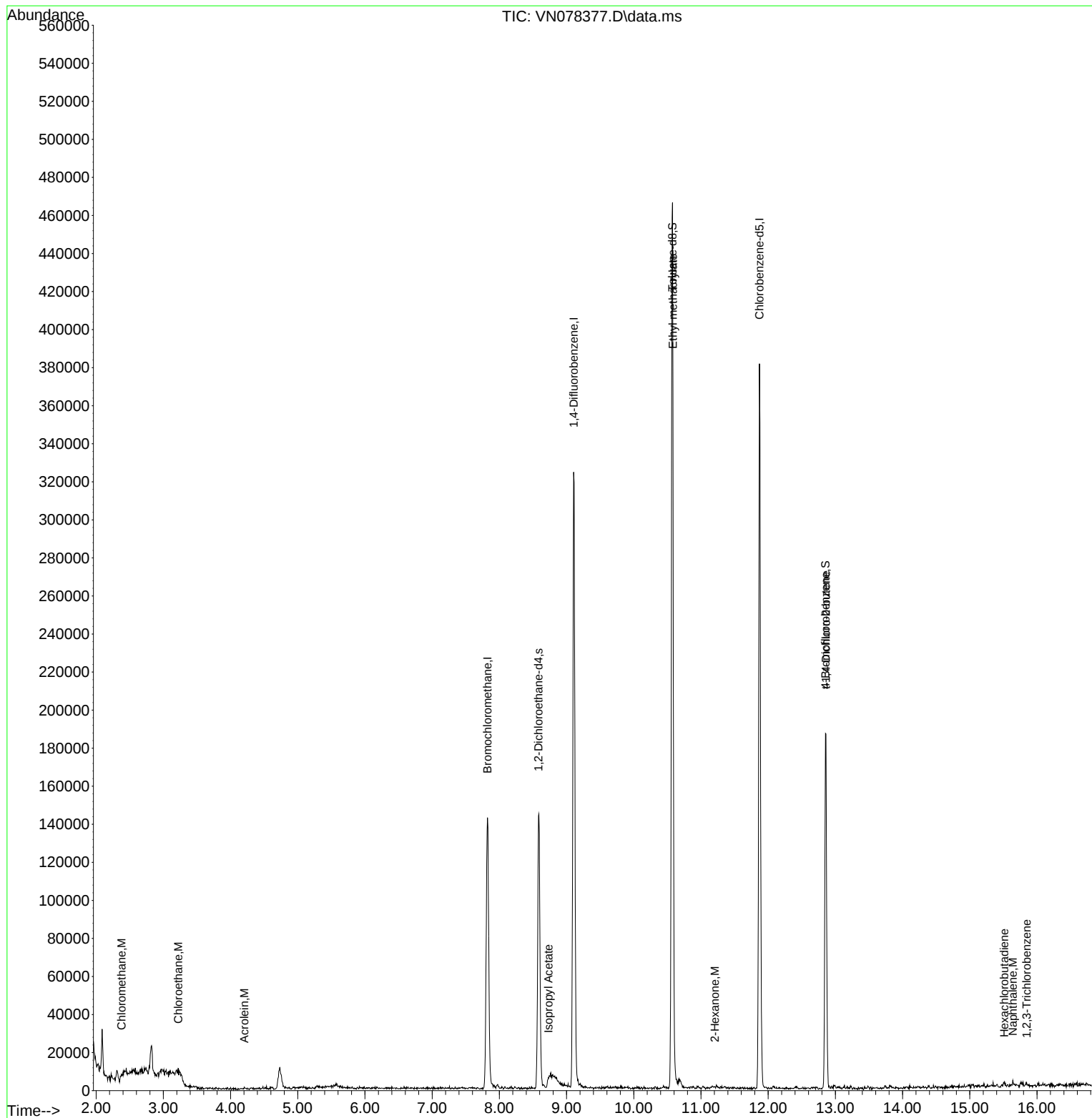
Internal Standards						
1) Bromochloromethane	7.824	128	54087	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	291454	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	229262	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	122050	29.966	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.900%
60) 4-Bromofluorobenzene	12.853	95	69439	21.498	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.667%
63) Toluene-d8	10.576	98	348563	31.379	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1194	0.302	ug/l #	60
6) Chloroethane	3.224	64	838	0.242	ug/l	94
13) Acrolein	4.206	56	163	0.275	ug/l #	13
44) Isopropyl Acetate	8.729	43	2554	0.424	ug/l #	52
51) Ethyl methacrylate	10.582	69	1447	0.324	ug/l #	68
59) 2-Hexanone	11.206	43	550	0.260	ug/l #	84
77) t-1,4-Dichloro-2-butene	12.859	75	37701	35.178	ug/l #	15
90) Hexachlorobutadiene	15.511	225	303	0.318	ug/l	65
91) Naphthalene	15.641	128	1956	0.426	ug/l #	85
92) 1,2,3-Trichlorobenzene	15.847	180	686	0.423	ug/l #	22

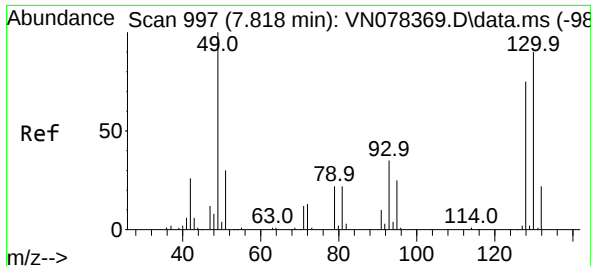
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078377.D
Acq On : 23 Jun 2023 14:52
Operator : JC\MD
Sample : 03379-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621026-03-TRIP-BLANK

Quant Time: Jun 24 01:20:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 24 00:59:50 2023
Response via : Initial Calibration

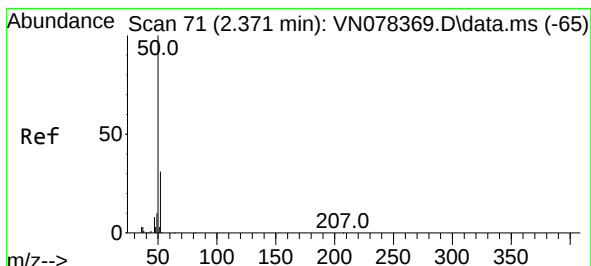
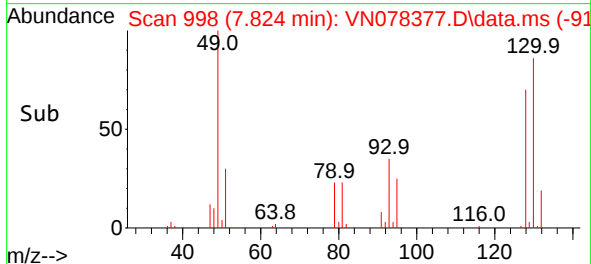
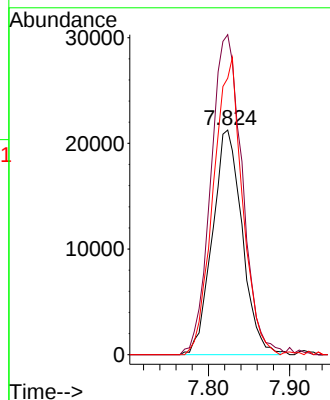
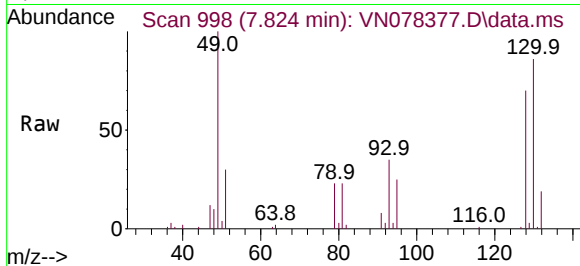




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

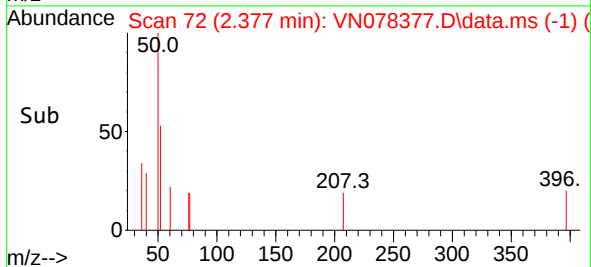
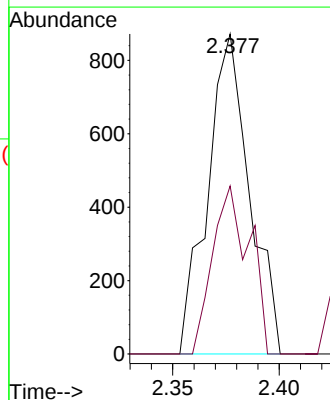
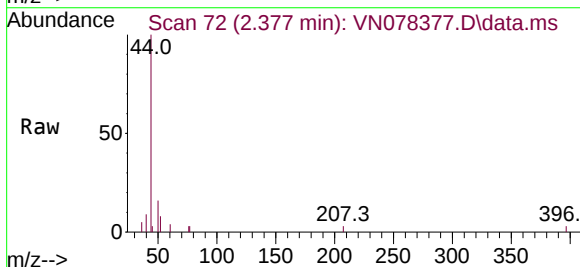
Instrument :
MSVOA_N
ClientSampleId :
230621026-03-TRIP-BLANK

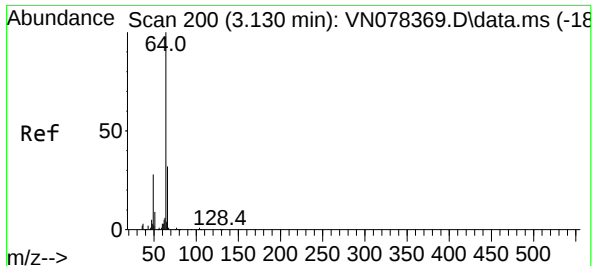
Tgt Ion:128 Resp: 54087
Ion Ratio Lower Upper
128 100
49 150.7 0.0 370.8
130 129.5 0.0 307.0



#3
Chloromethane
Concen: 0.302 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

Tgt Ion: 50 Resp: 1194
Ion Ratio Lower Upper
50 100
52 52.5 24.6 36.8#

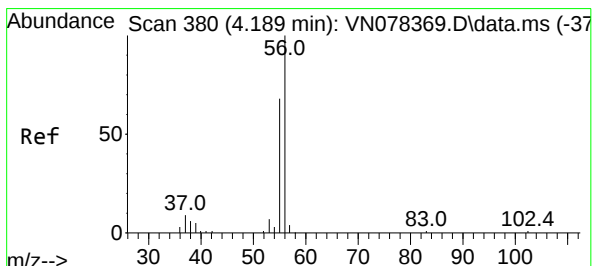
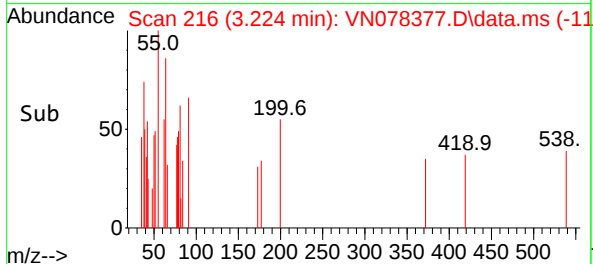
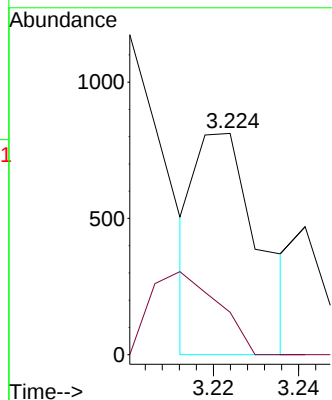
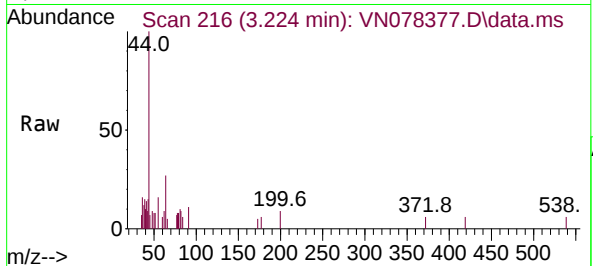




#6
Chloroethane
Concen: 0.242 ug/l
RT: 3.224 min Scan# 21
Delta R.T. 0.094 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

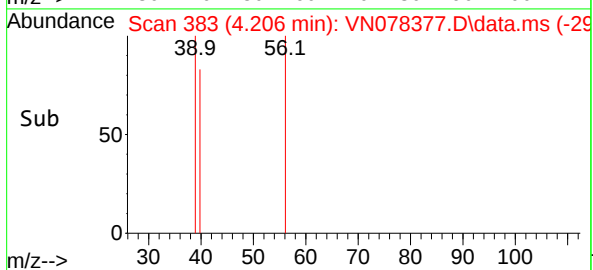
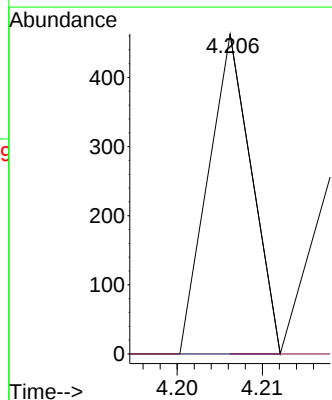
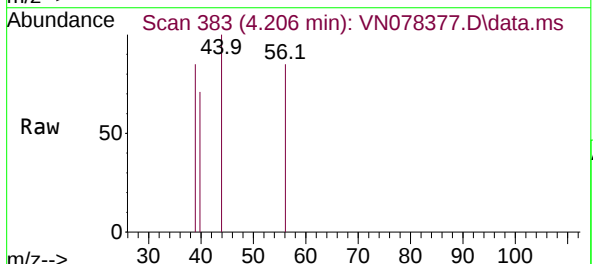
Instrument :
MSVOA_N
ClientSampleId :
230621026-03-TRIP-BLANK

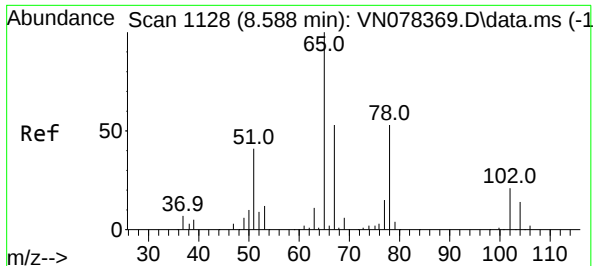
Tgt Ion: 64 Resp: 838
Ion Ratio Lower Upper
64 100
66 35.3 25.7 38.5



#13
Acrolein
Concen: 0.275 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 0.0 59.0 88.4#

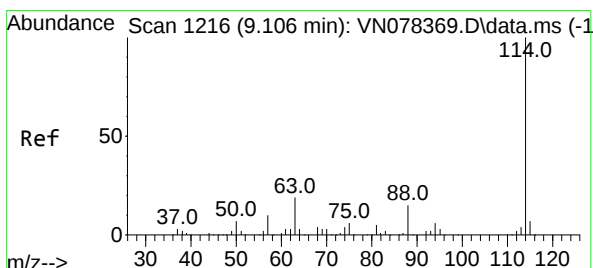
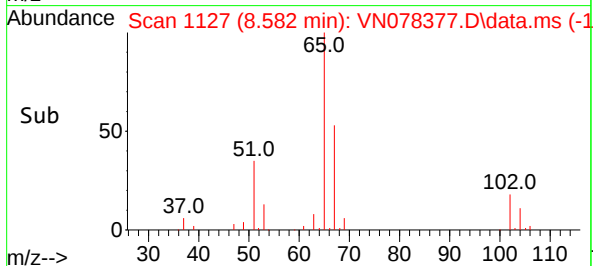
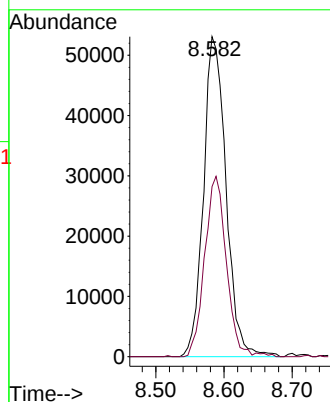
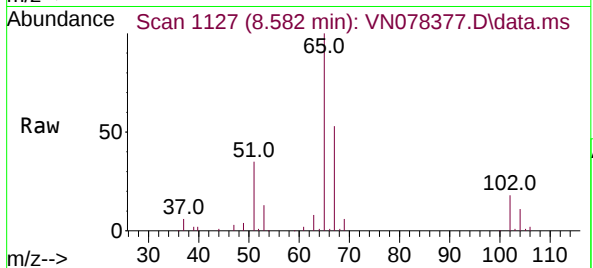




#27
1,2-Dichloroethane-d4
Concen: 29.966 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

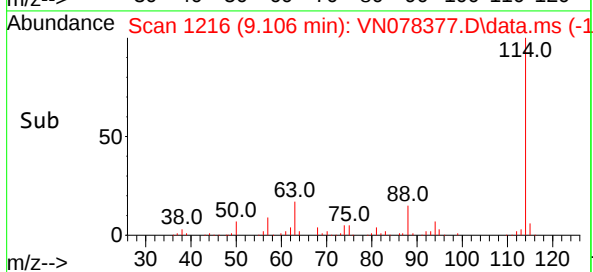
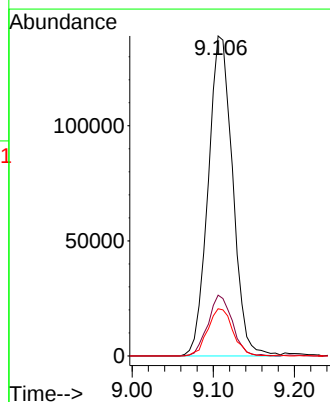
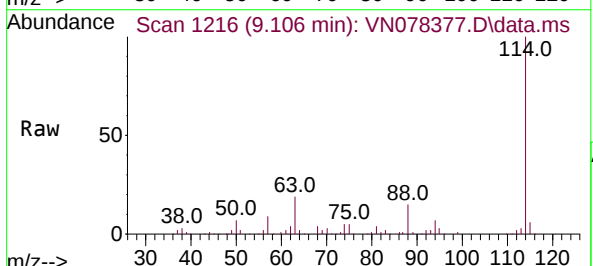
Instrument :
MSVOA_N
ClientSampleId :
230621026-03-TRIP-BLANK

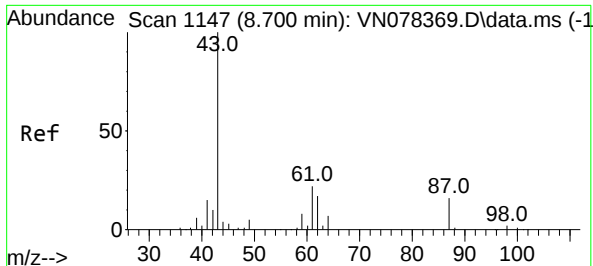
Tgt Ion: 65 Resp: 122050
Ion Ratio Lower Upper
65 100
67 53.3 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

Tgt Ion: 114 Resp: 291454
Ion Ratio Lower Upper
114 100
63 18.8 15.2 22.8
88 15.2 12.5 18.7

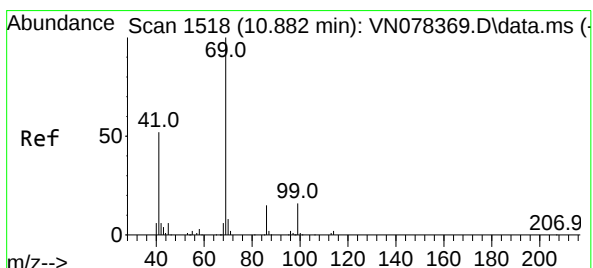
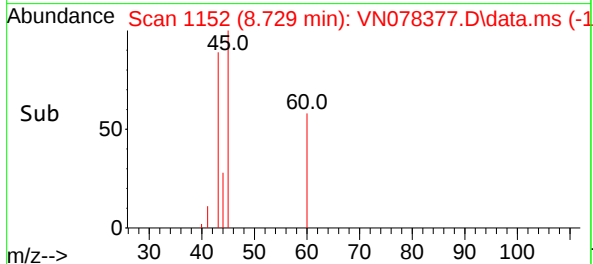
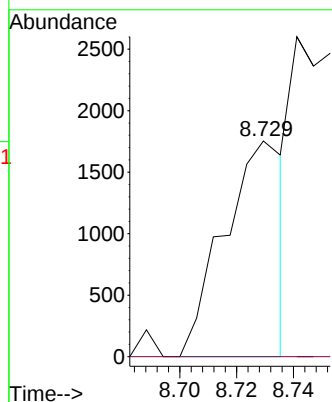
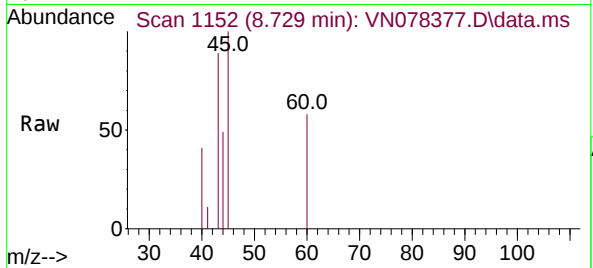




#44
Isopropyl Acetate
Concen: 0.424 ug/l
RT: 8.729 min Scan# 1147
Delta R.T. 0.029 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

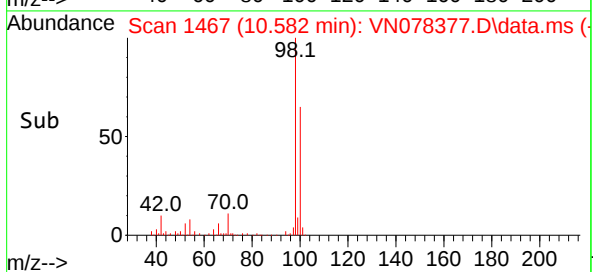
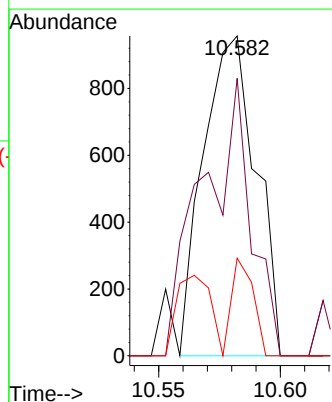
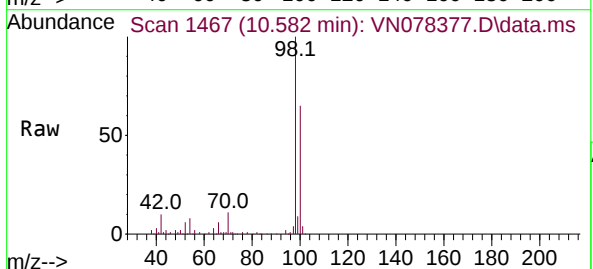
Instrument :
MSVOA_N
ClientSampleId :
230621026-03-TRIP-BLANK

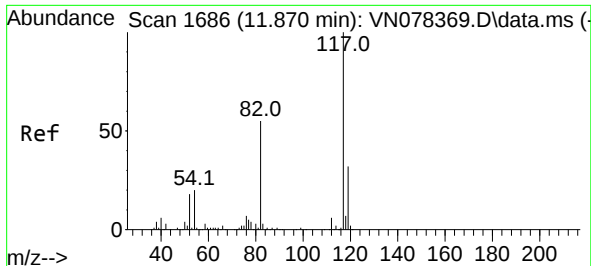
Tgt Ion: 43 Resp: 2554
Ion Ratio Lower Upper
43 100
61 3.3 23.0 34.6#



#51
Ethyl methacrylate
Concen: 0.324 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.300 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

Tgt Ion: 69 Resp: 1447
Ion Ratio Lower Upper
69 100
41 86.7 26.0 78.0#
39 30.5 16.3 48.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078377.D

Acq: 23 Jun 2023 14:52

Instrument :

MSVOA_N

ClientSampleId :

230621026-03-TRIP-BLANK

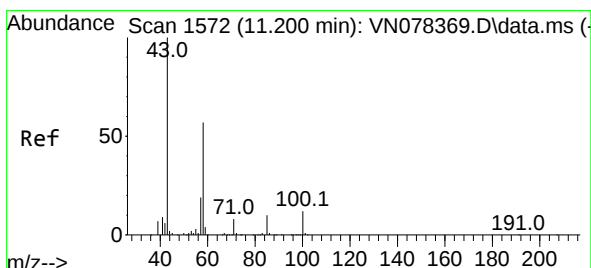
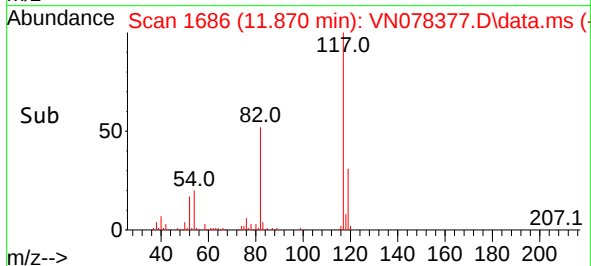
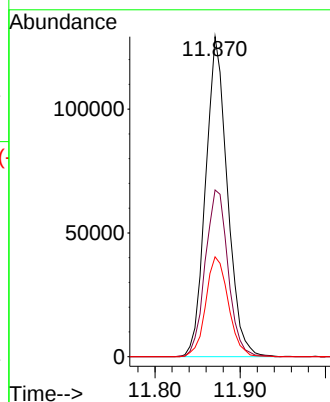
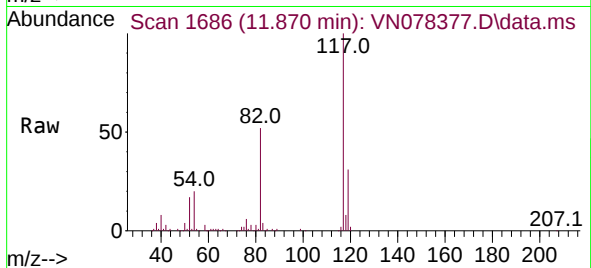
Tgt Ion:117 Resp: 229262

Ion Ratio Lower Upper

117 100

82 54.6 43.9 65.9

119 32.5 26.2 39.4



#59

2-Hexanone

Concen: 0.260 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN078377.D

Acq: 23 Jun 2023 14:52

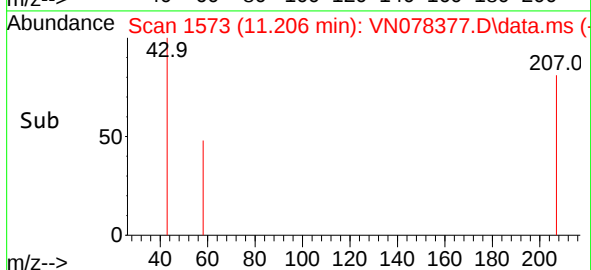
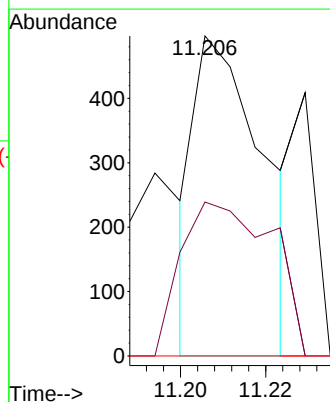
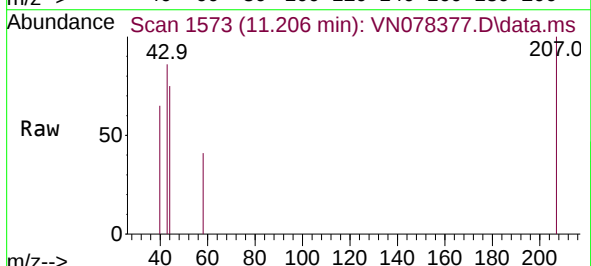
Tgt Ion: 43 Resp: 550

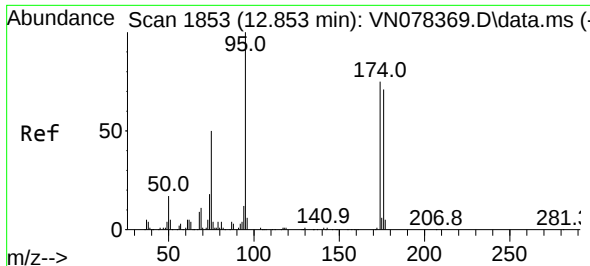
Ion Ratio Lower Upper

43 100

58 52.0 45.9 68.9

57 0.0 15.8 23.6#

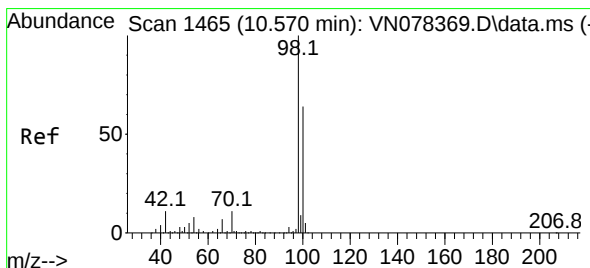
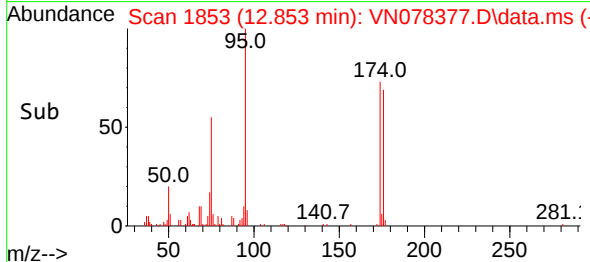
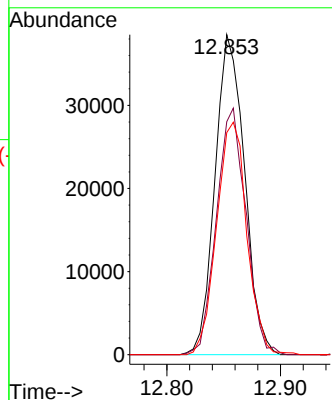
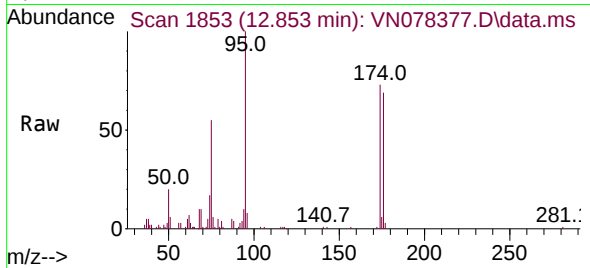




#60
4-Bromofluorobenzene
Concen: 21.498 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

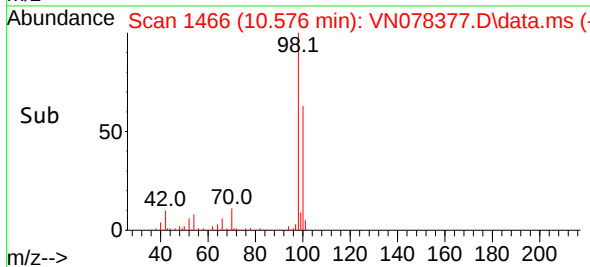
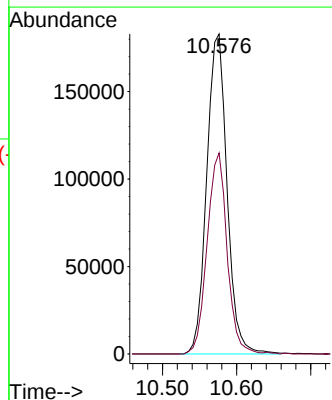
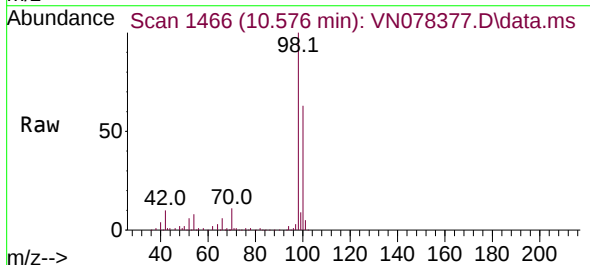
Instrument :
MSVOA_N
ClientSampleId :
230621026-03-TRIP-BLANK

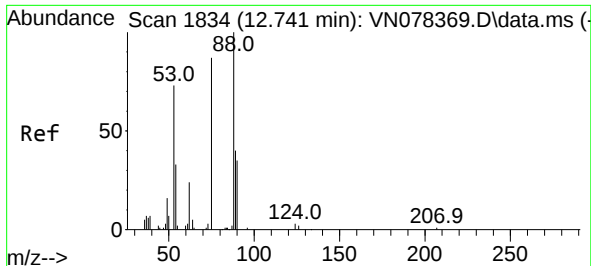
Tgt Ion: 95 Resp: 69439
Ion Ratio Lower Upper
95 100
174 77.3 61.7 92.5
176 74.4 58.1 87.1



#63
Toluene-d8
Concen: 31.379 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

Tgt Ion: 98 Resp: 348563
Ion Ratio Lower Upper
98 100
100 61.6 49.7 74.5





#77

t-1,4-Dichloro-2-butene

Concen: 35.178 ug/l

RT: 12.859 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN078377.D

Acq: 23 Jun 2023 14:52

Instrument :

MSVOA_N

ClientSampleId :

230621026-03-TRIP-BLANK

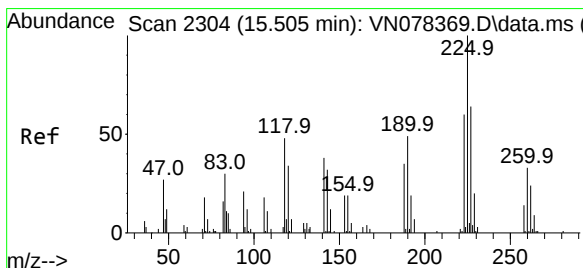
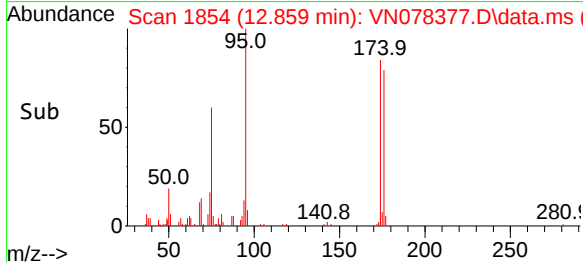
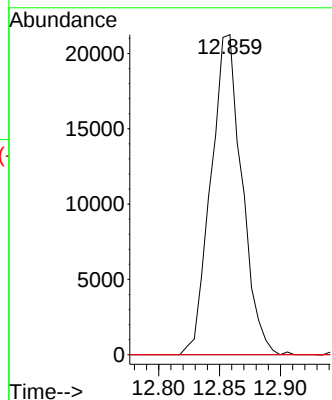
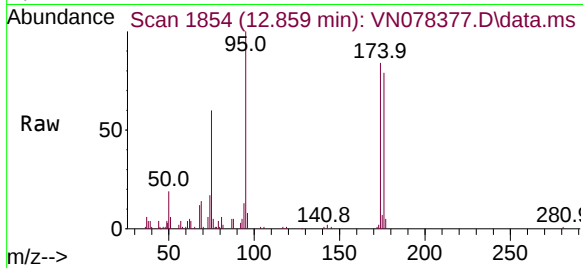
Tgt Ion: 75 Resp: 37701

Ion Ratio Lower Upper

75 100

53 0.0 41.6 124.9#

89 0.0 25.1 75.4#



#90

Hexachlorobutadiene

Concen: 0.318 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN078377.D

Acq: 23 Jun 2023 14:52

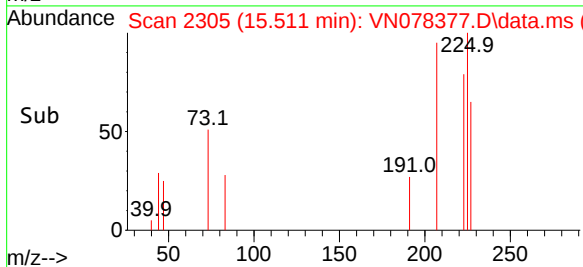
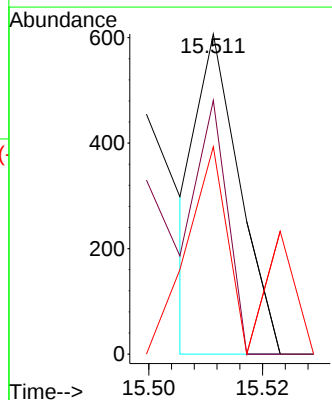
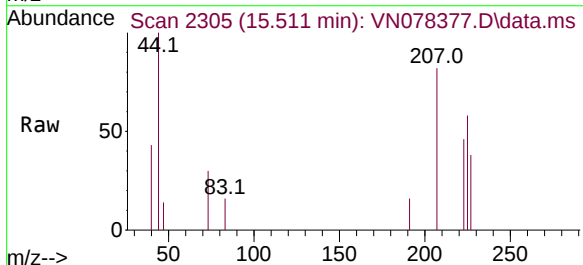
Tgt Ion: 225 Resp: 303

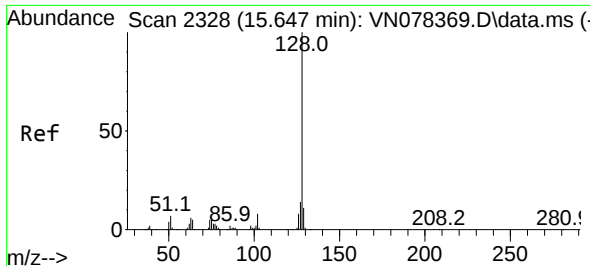
Ion Ratio Lower Upper

225 100

223 116.2 0.0 130.0

227 64.4 0.0 124.0

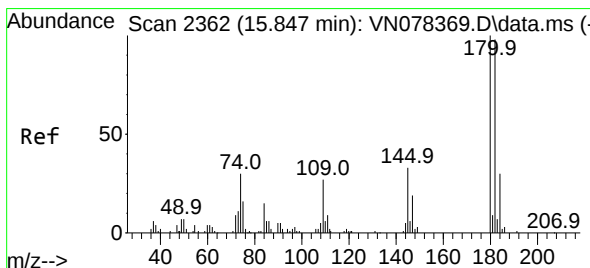
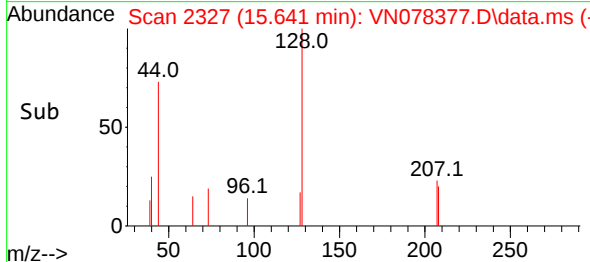
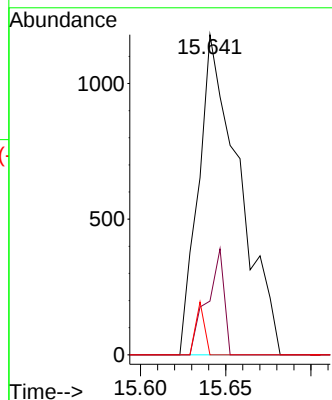
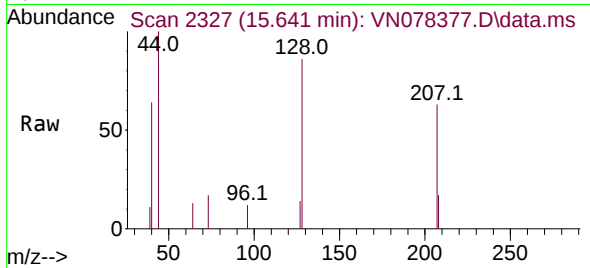




#91
Naphthalene
Concen: 0.426 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

Instrument :
MSVOA_N
ClientSampleId :
230621026-03-TRIP-BLANK

Tgt Ion:128 Resp: 1956
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 0.0 9.0 13.4#



#92
1,2,3-Trichlorobenzene
Concen: 0.423 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078377.D
Acq: 23 Jun 2023 14:52

Tgt Ion:180 Resp: 686
Ion Ratio Lower Upper
180 100
182 15.0 0.0 196.4
145 0.0 0.0 71.0

