

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081826.D
 Acq On : 22 Apr 2024 15:32
 Operator : JC\MD
 Sample : P2226-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:57:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

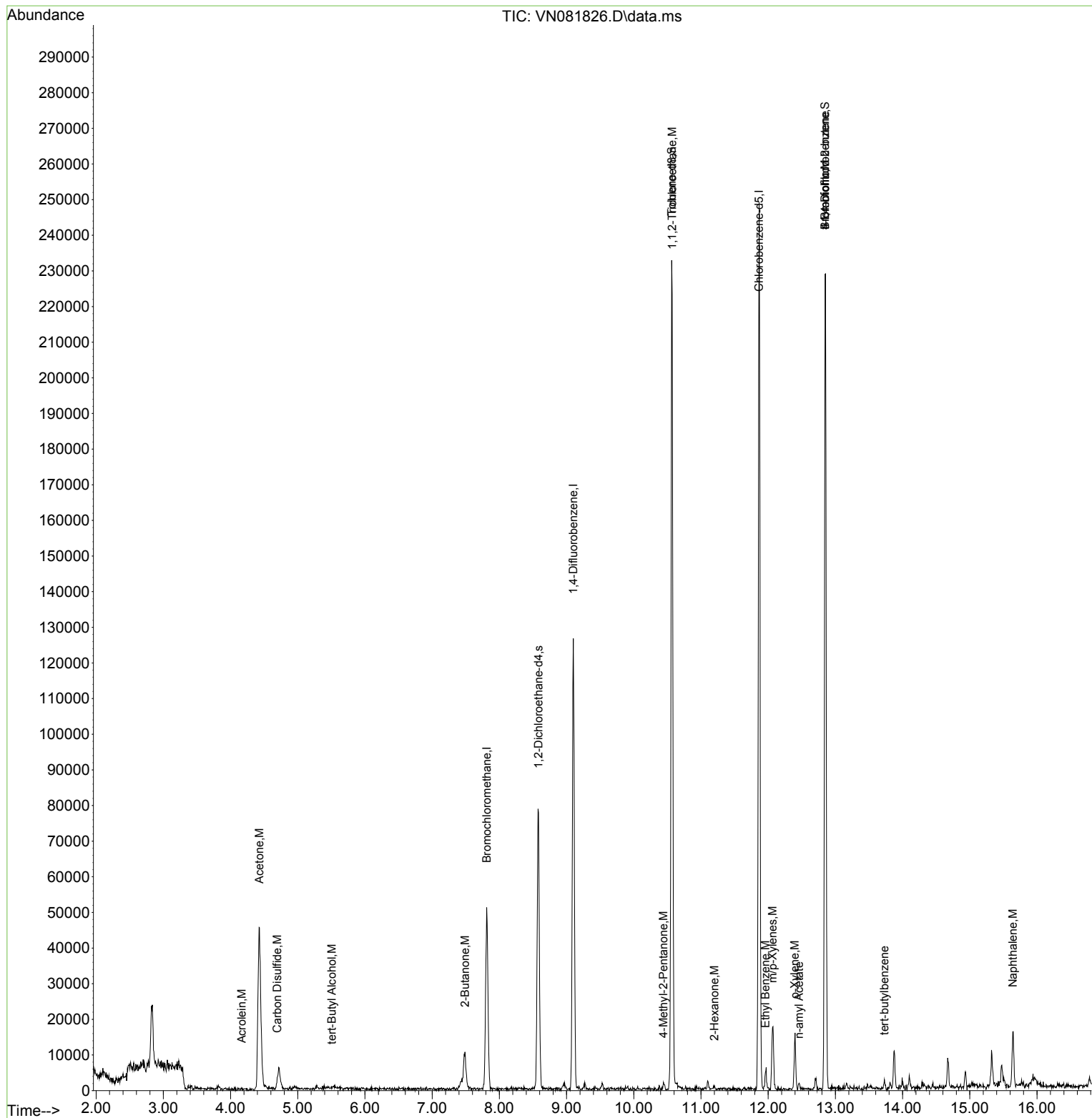
Internal Standards						
1) Bromochloromethane	7.812	128	16876	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	106382	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136183	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	61466	29.648	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.833%		
60) 4-Bromofluorobenzene	12.847	95	72574	27.106	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.367%		
63) Toluene-d8	10.565	98	158433	29.003	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.667%		
Target Compounds						
					Qvalue	
13) Acrolein	4.165	56	129	0.491	ug/l #	65
15) Acetone	4.430	58	26654	122.005	ug/l	72
16) Carbon Disulfide	4.694	76	1710	0.277	ug/l #	78
23) tert-Butyl Alcohol	5.506	59	127	0.360	ug/l #	100
30) 2-Butanone	7.488	43	16489	15.437	ug/l #	67
47) n-amyl Acetate	12.459	43	1156	0.327	ug/l #	45
50) 1,1,2-Trichloroethane	10.571	97	6140	2.739	ug/l #	1
56) Bromoform	12.847	173	498	0.291	ug/l #	35
58) 4-Methyl-2-Pentanone	10.441	43	915	0.391	ug/l #	76
59) 2-Hexanone	11.200	43	529	0.301	ug/l #	50
66) Ethyl Benzene	11.959	91	4548	0.432	ug/l #	82
67) m/p-Xylenes	12.065	106	5992	1.436	ug/l	97
68) o-Xylene	12.394	106	4672	1.179	ug/l	74
77) t-1,4-Dichloro-2-butene	12.847	75	40187	39.265	ug/l #	12
79) tert-butylbenzene	13.729	119	1603	0.217	ug/l	56
91) Naphthalene	15.641	128	13587	1.712	ug/l #	92

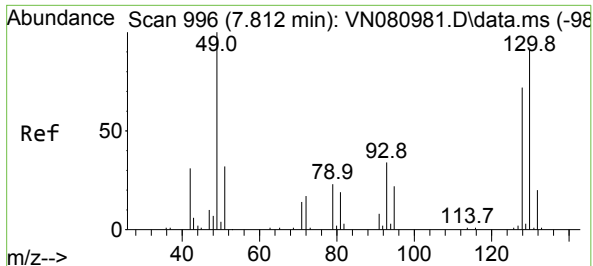
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
Data File : VN081826.D
Acq On : 22 Apr 2024 15:32
Operator : JC\MD
Sample : P2226-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

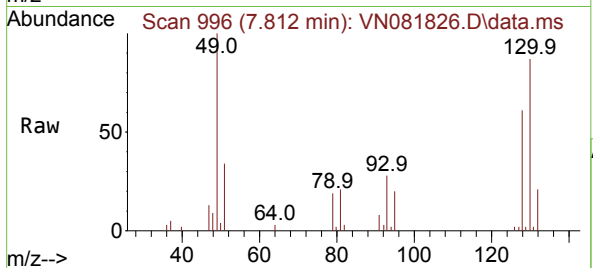
Quant Time: Apr 23 06:57:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



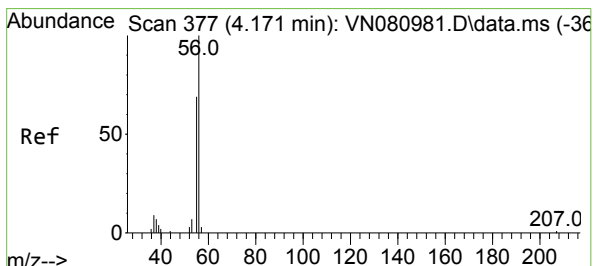
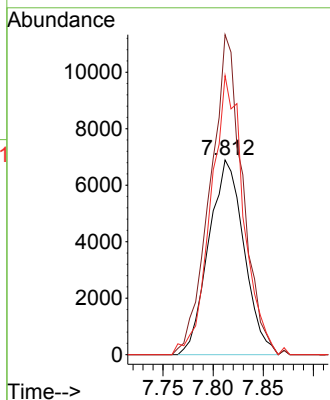
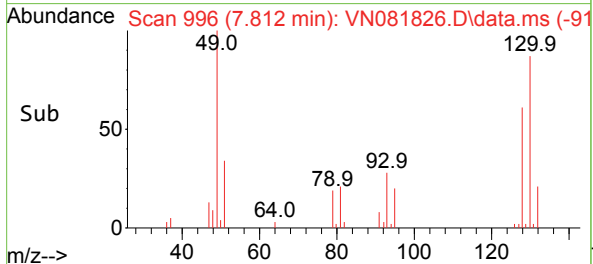


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Instrument :
MSVOA_N
ClientSampleId :

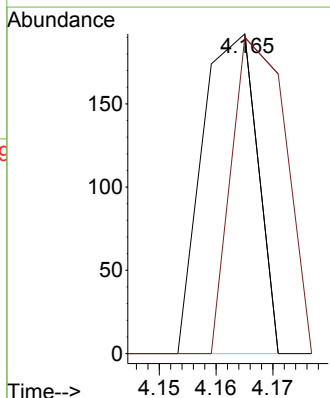
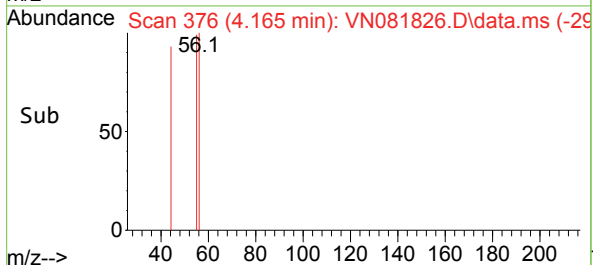
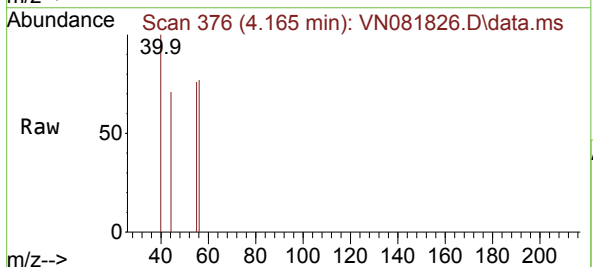


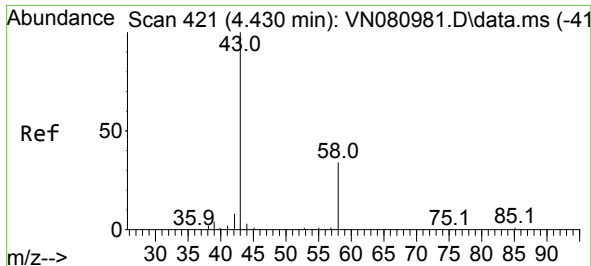
Tgt Ion:128 Resp: 16876
Ion Ratio Lower Upper
128 100
49 150.9 0.0 403.7
130 133.0 0.0 323.3



#13
Acrolein
Concen: 0.491 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.018 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 97.7 55.5 83.3#

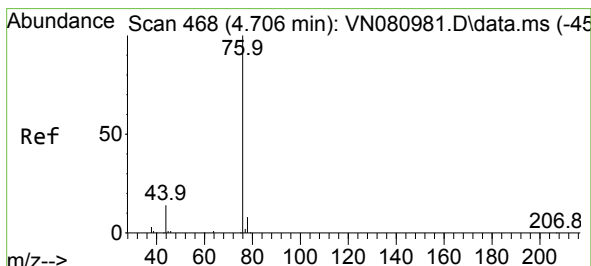
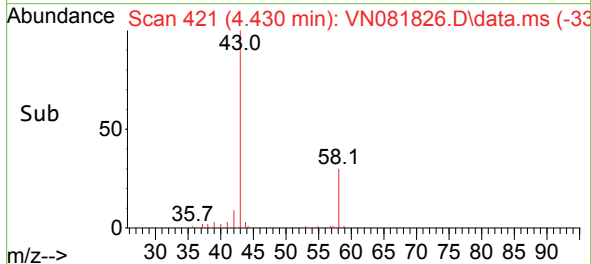
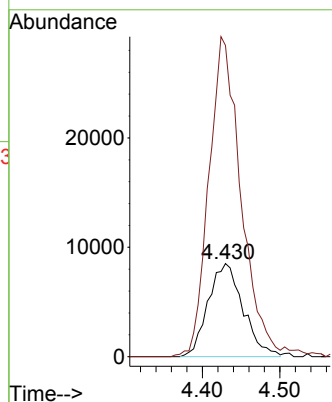
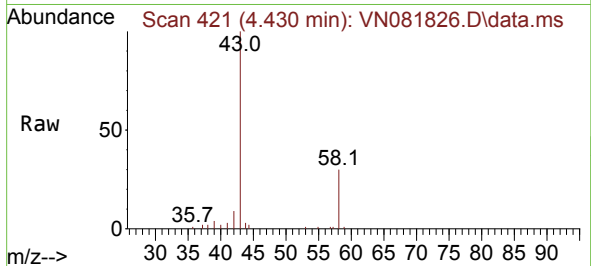




#15
Acetone
Concen: 122.005 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

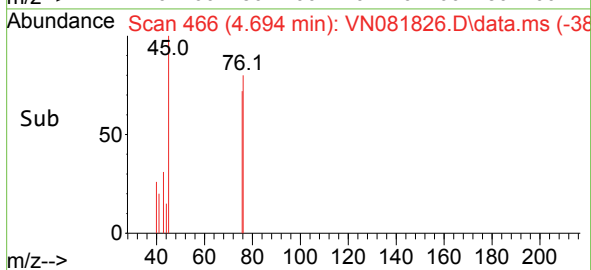
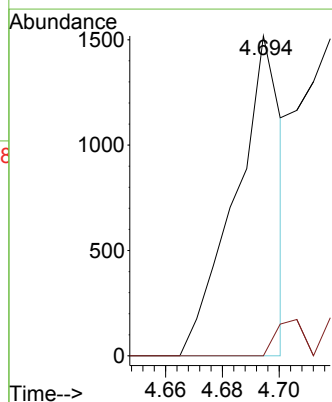
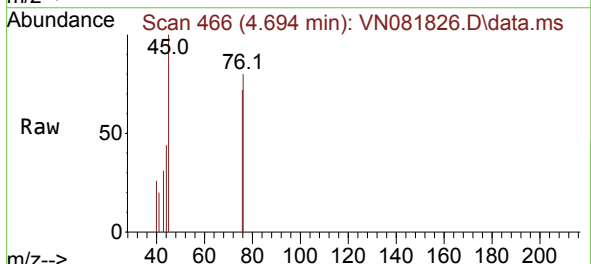
Instrument :
MSVOA_N
ClientSampleId :

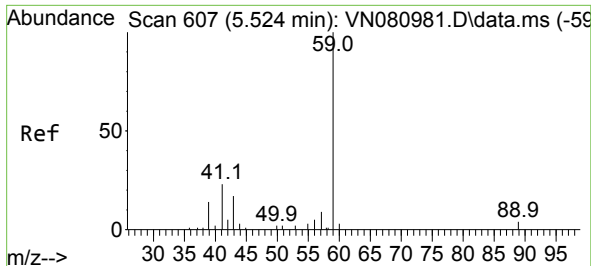
Tgt Ion: 58 Resp: 26654
Ion Ratio Lower Upper
58 100
43 331.4 223.1 334.7



#16
Carbon Disulfide
Concen: 0.277 ug/l
RT: 4.694 min Scan# 466
Delta R.T. -0.018 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

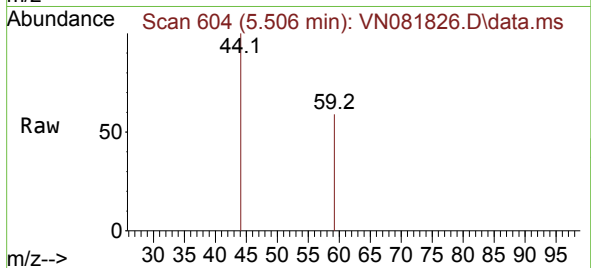
Tgt Ion: 76 Resp: 1710
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



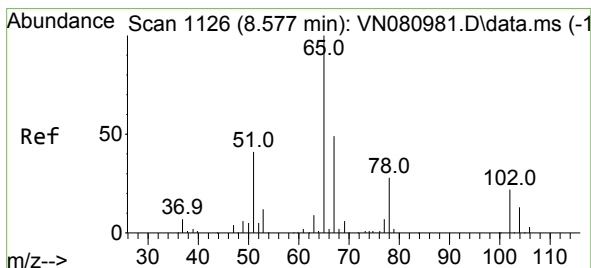
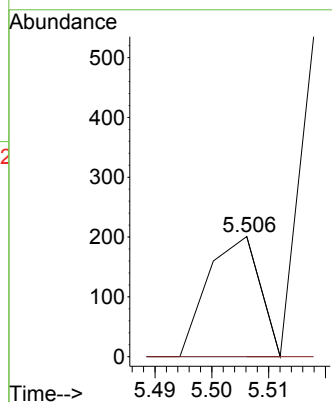
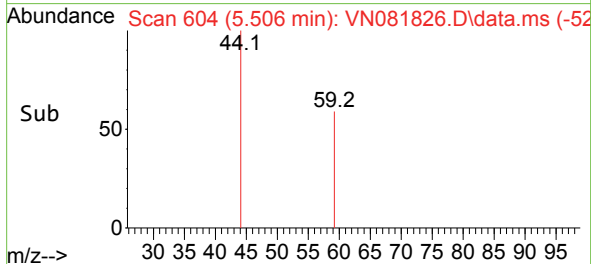


#23
tert-Butyl Alcohol
Concen: 0.360 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Instrument :
MSVOA_N
ClientSampleId :

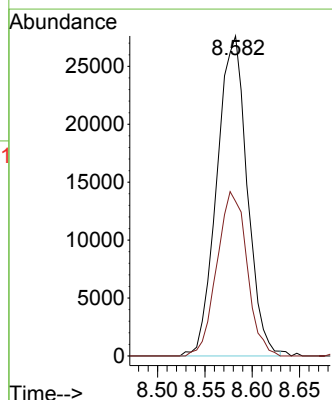
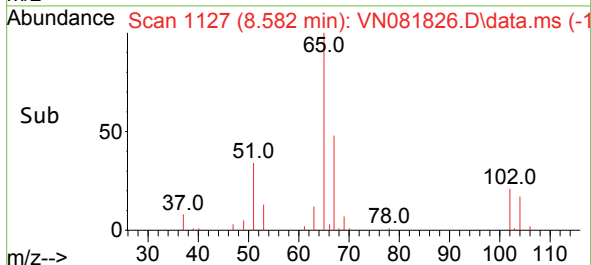
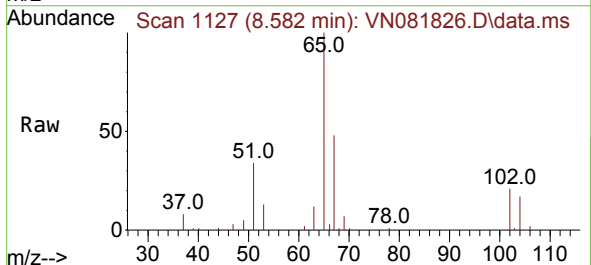


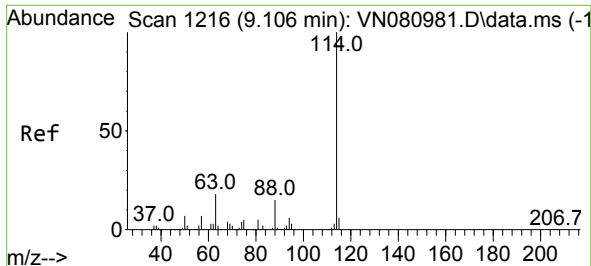
Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.648 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion: 65 Resp: 61466
Ion Ratio Lower Upper
65 100
67 51.0 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

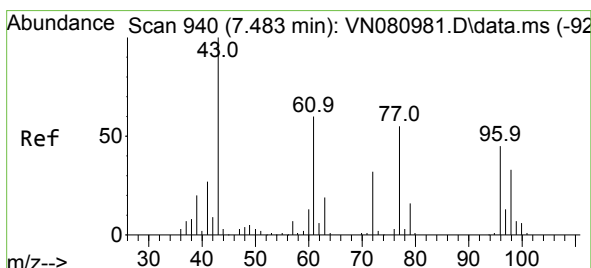
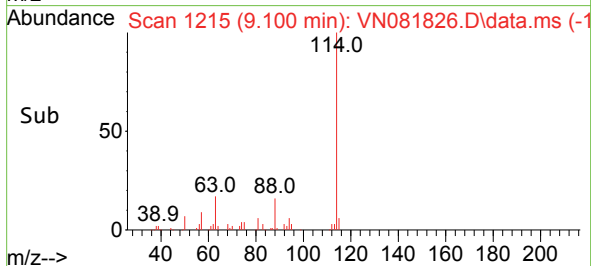
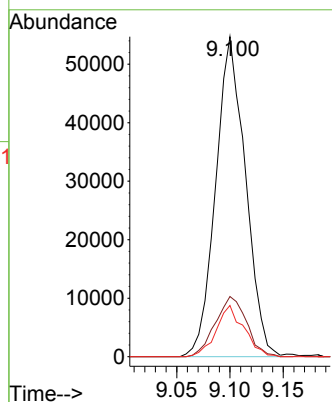
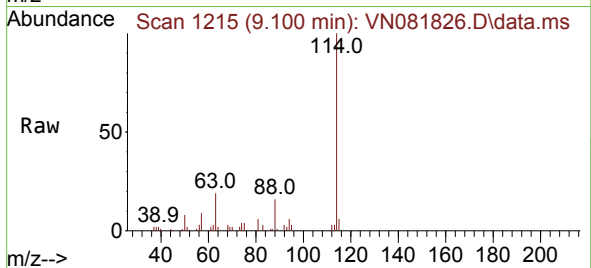
Tgt Ion:114 Resp: 106382

Ion Ratio Lower Upper

114 100

63 19.7 15.9 23.9

88 14.9 12.7 19.1



#30

2-Butanone

Concen: 15.437 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

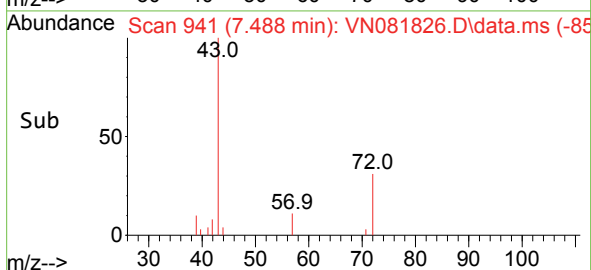
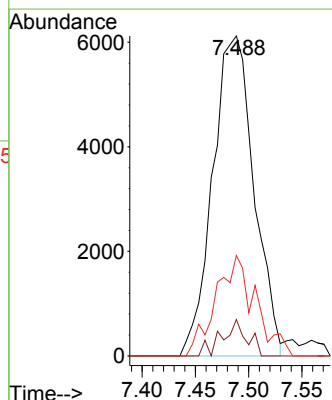
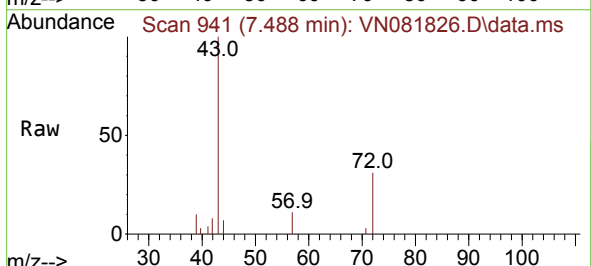
Tgt Ion: 43 Resp: 16489

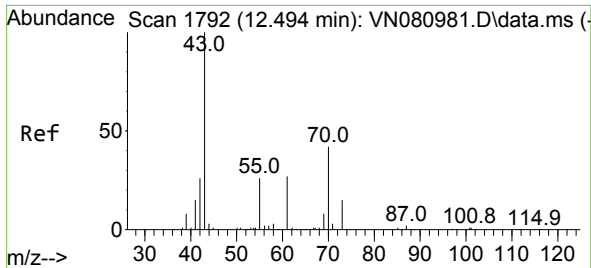
Ion Ratio Lower Upper

43 100

57 3.6 6.7 10.1#

72 9.5 24.0 36.0#





#47

n-amy1 Acetate

Concen: 0.327 ug/l

RT: 12.459 min Scan# 1156

Delta R.T. -0.035 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Instrument :

MSVOA_N

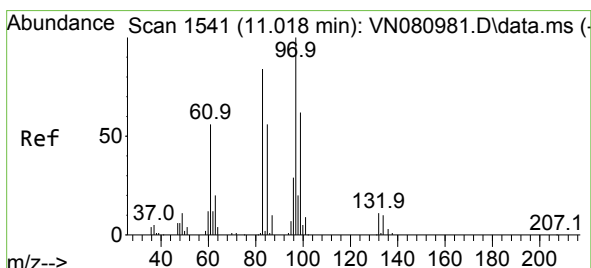
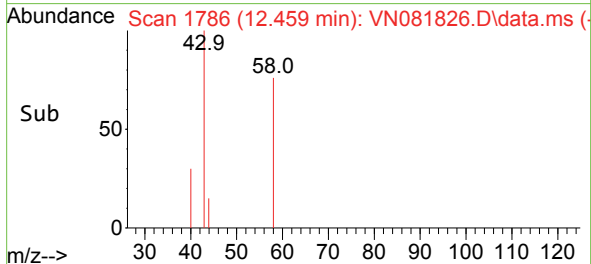
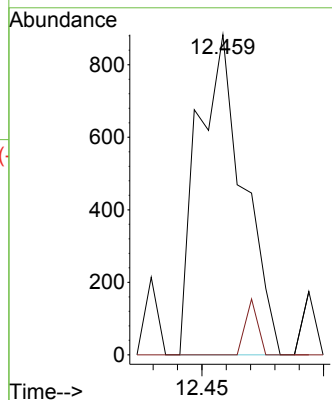
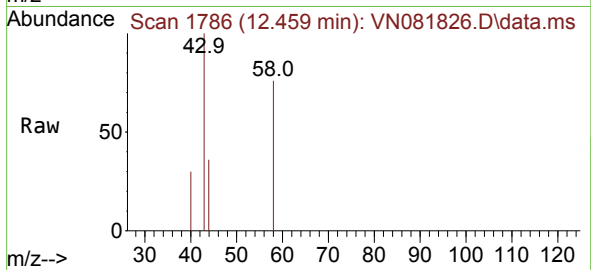
ClientSampleId :

Tgt Ion: 43 Resp: 1156

Ion Ratio Lower Upper

43 100

55 0.0 23.4 35.2#



#50

1,1,2-Trichloroethane

Concen: 2.739 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Tgt Ion: 97 Resp: 6140

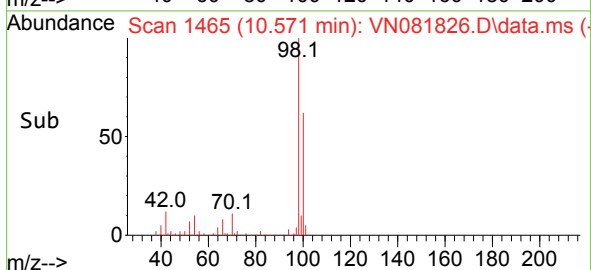
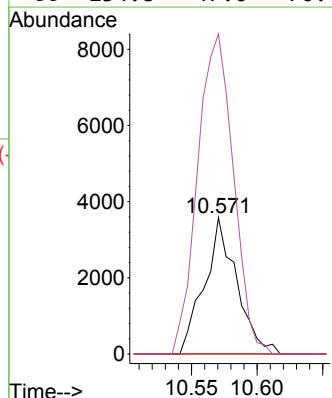
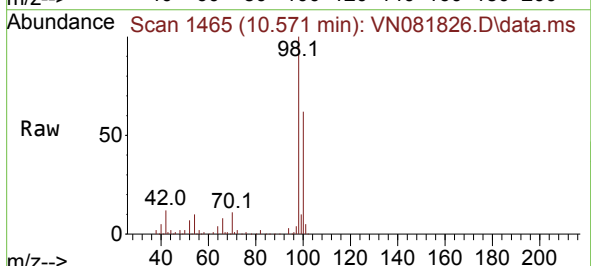
Ion Ratio Lower Upper

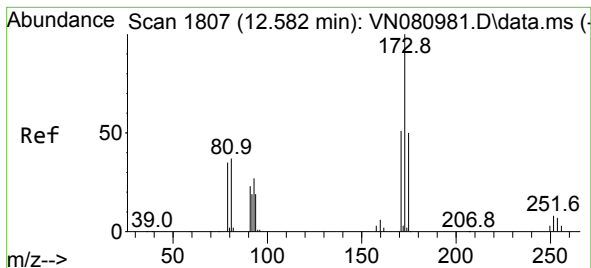
97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 234.8 47.0 70.4#





#56

Bromoform

Concen: 0.291 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

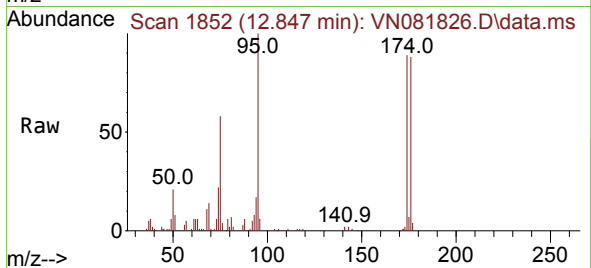
Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

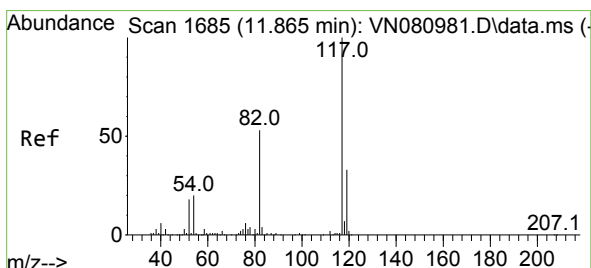
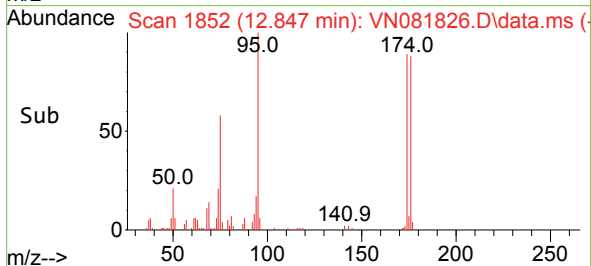
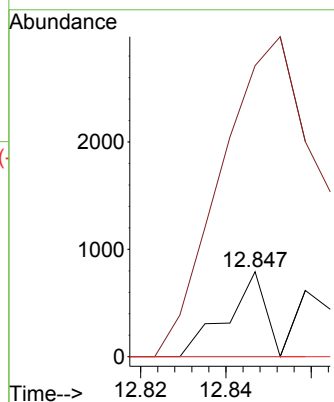
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	498
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.0	60.0#
254	0.0	8.3	12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

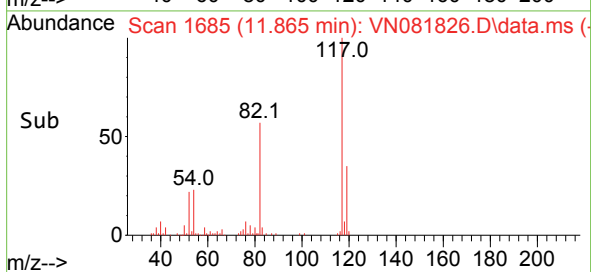
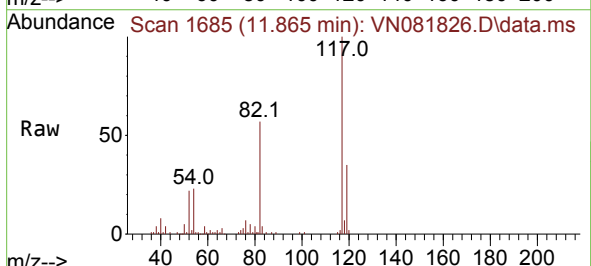
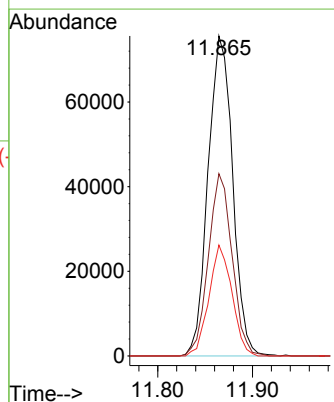
RT: 11.865 min Scan# 1685

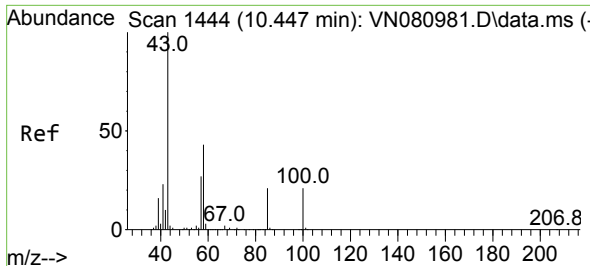
Delta R.T. -0.000 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Tgt Ion:	117	Resp:	136183
Ion Ratio	Lower	Upper	
117	100		
82	55.1	46.6	69.8
119	32.4	25.4	38.2





#58

4-Methyl-2-Pentanone

Concen: 0.391 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

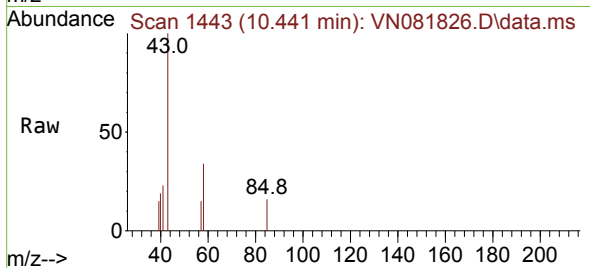
Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :



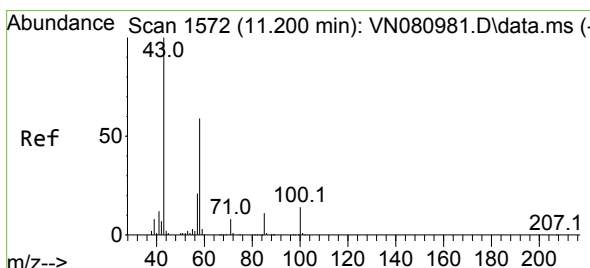
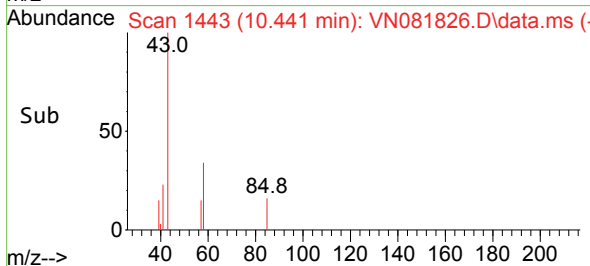
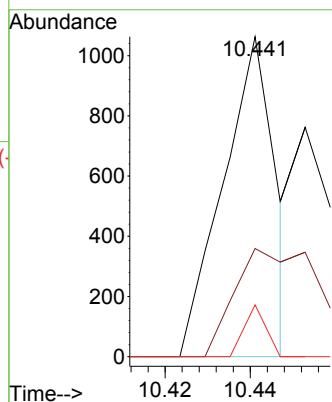
Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 52.7 36.5 54.7

85 0.0 19.5 29.3#



#59

2-Hexanone

Concen: 0.301 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. -0.000 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

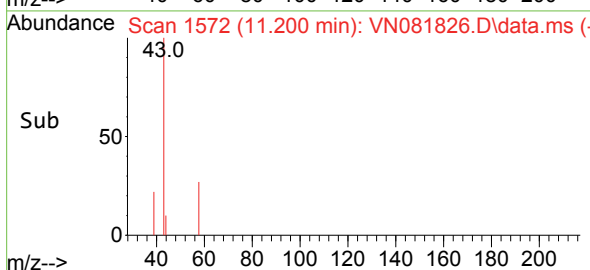
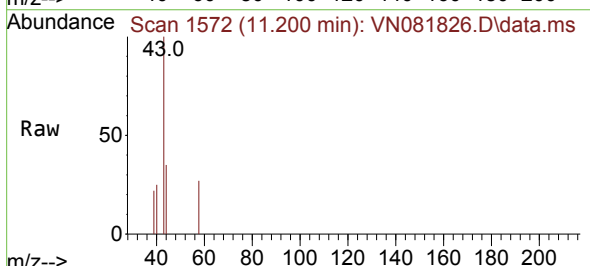
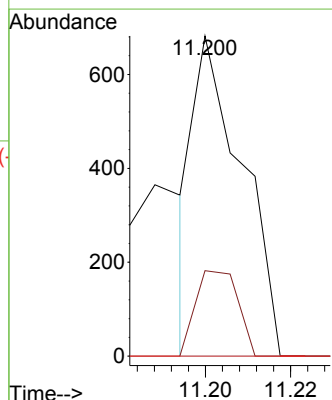
Tgt Ion: 43 Resp: 529

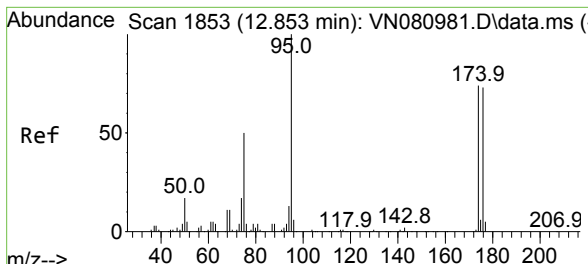
Ion Ratio Lower Upper

43 100

58 23.8 50.4 75.6#

57 0.0 18.6 27.8#

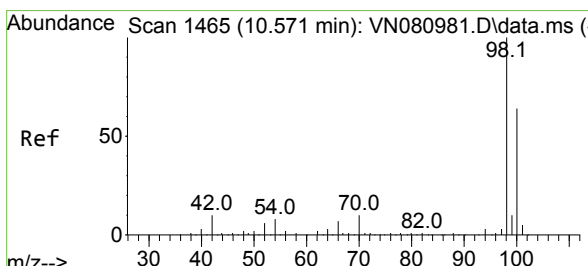
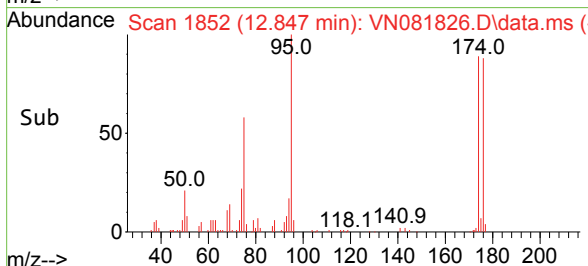
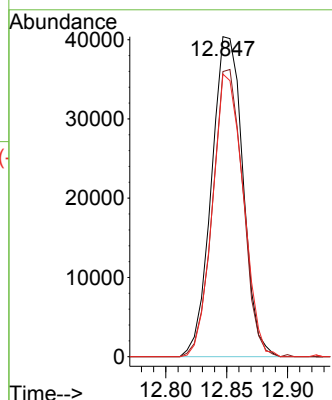
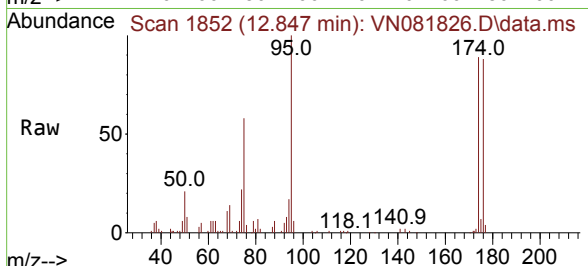




#60
4-Bromofluorobenzene
Concen: 27.106 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

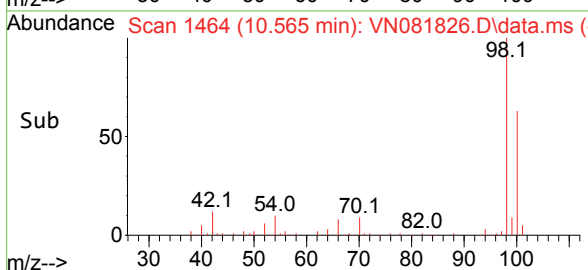
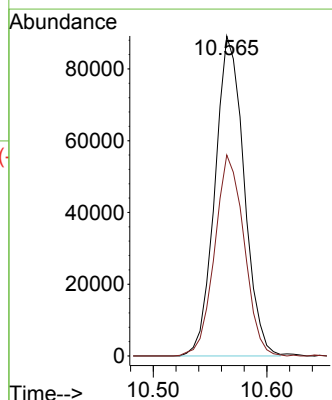
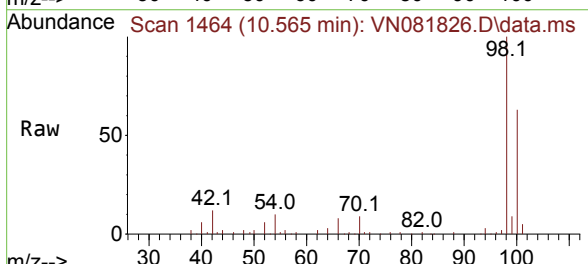
Instrument :
MSVOA_N
ClientSampleId :

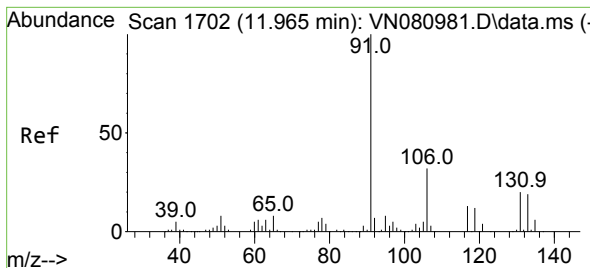
Tgt Ion: 95 Resp: 72574
Ion Ratio Lower Upper
95 100
174 85.9 60.5 90.7
176 86.1 57.8 86.6



#63
Toluene-d8
Concen: 29.003 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion: 98 Resp: 158433
Ion Ratio Lower Upper
98 100
100 63.6 52.7 79.1





#66

Ethyl Benzene

Concen: 0.432 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Instrument :

MSVOA_N

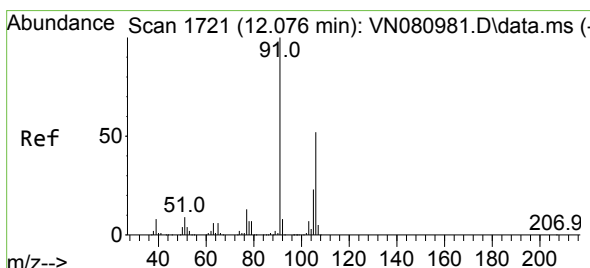
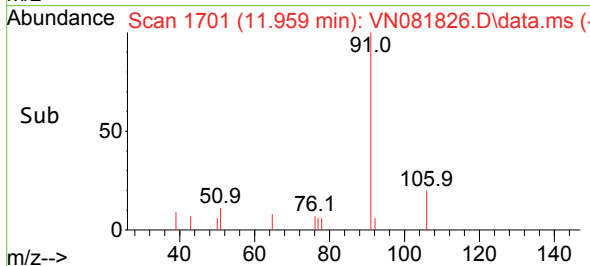
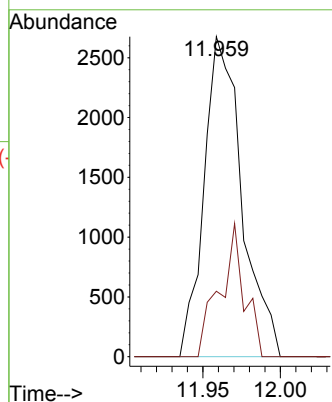
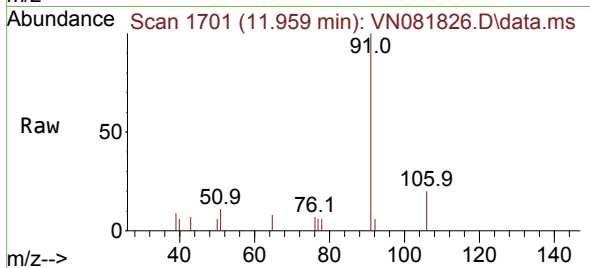
ClientSampleId :

Tgt Ion: 91 Resp: 4548

Ion Ratio Lower Upper

91 100

106 20.4 24.4 36.6#



#67

m/p-Xylenes

Concen: 1.436 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN081826.D

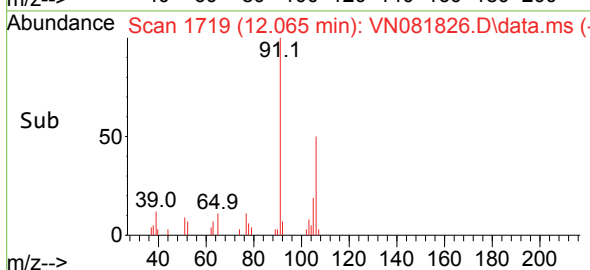
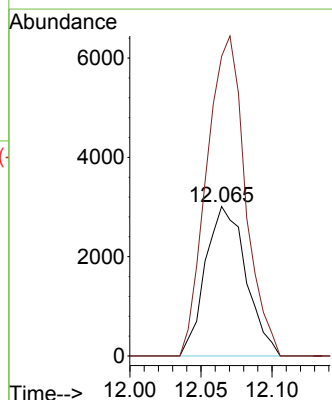
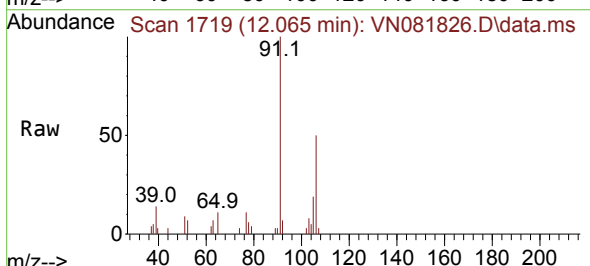
Acq: 22 Apr 2024 15:32

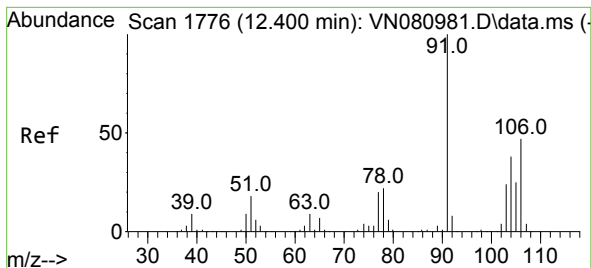
Tgt Ion: 106 Resp: 5992

Ion Ratio Lower Upper

106 100

91 203.1 166.6 249.8





#68

o-Xylene

Concen: 1.179 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Instrument :

MSVOA_N

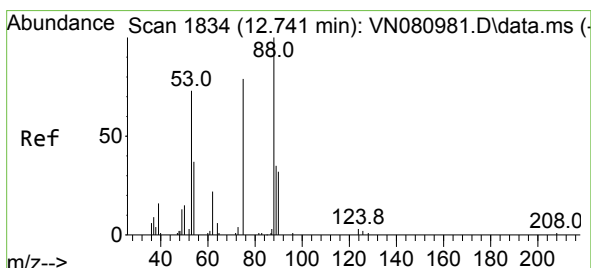
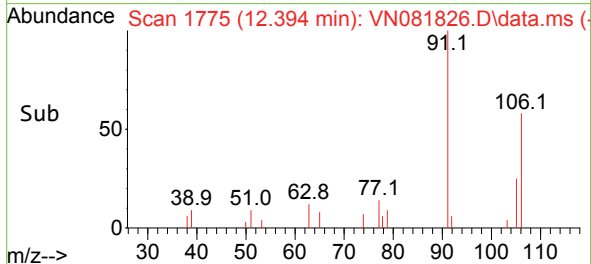
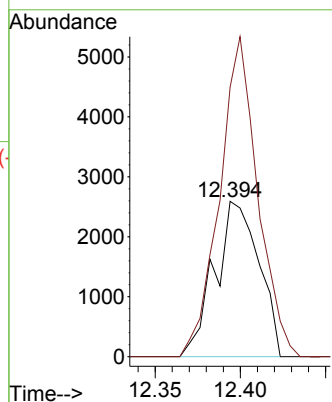
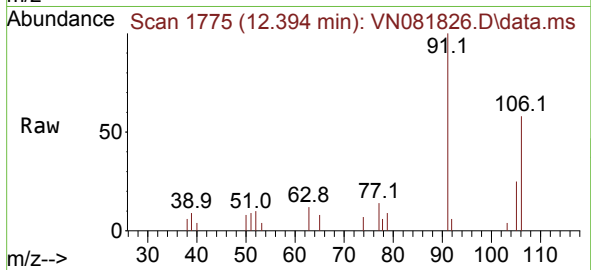
ClientSampleId :

Tgt Ion:106 Resp: 4672

Ion Ratio Lower Upper

106 100

91 178.2 110.0 330.0



#77

t-1,4-Dichloro-2-butene

Concen: 39.265 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

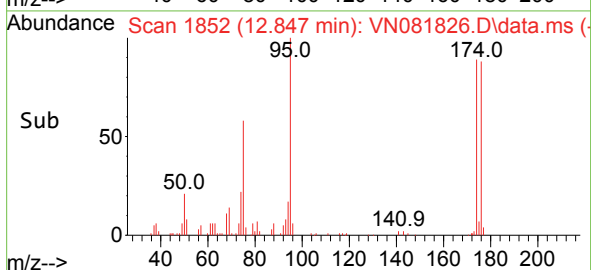
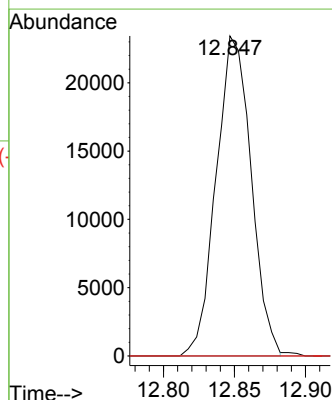
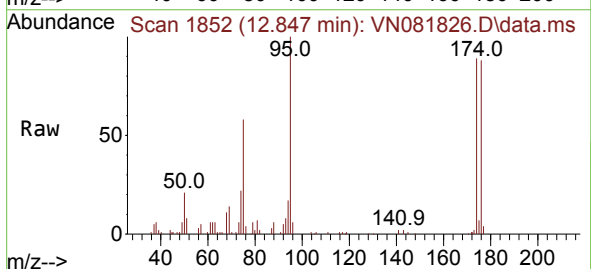
Tgt Ion: 75 Resp: 40187

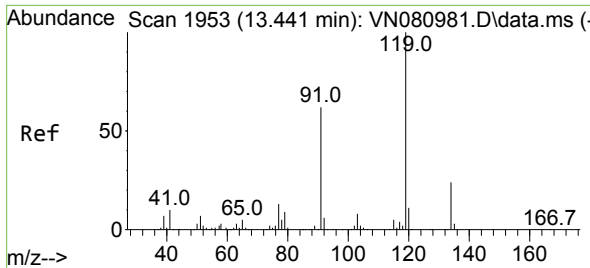
Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

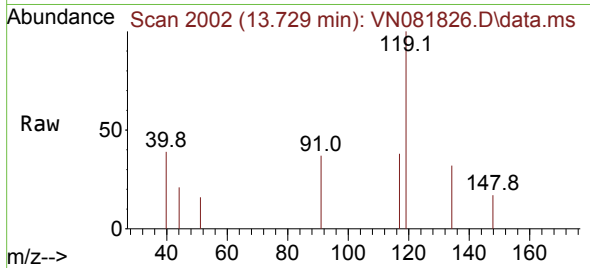
89 0.0 25.9 77.7#



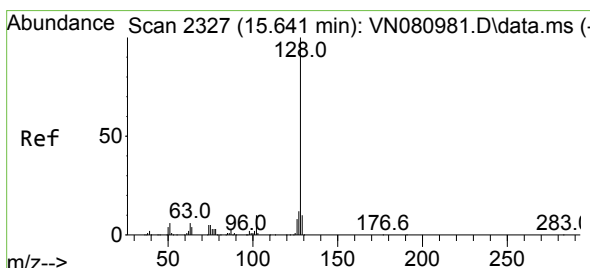
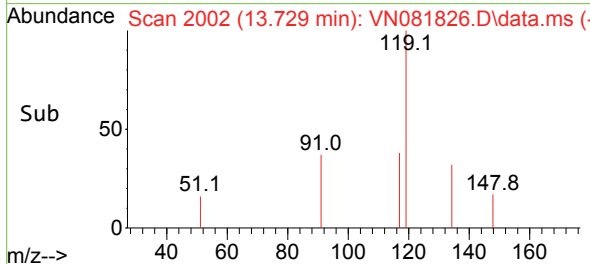
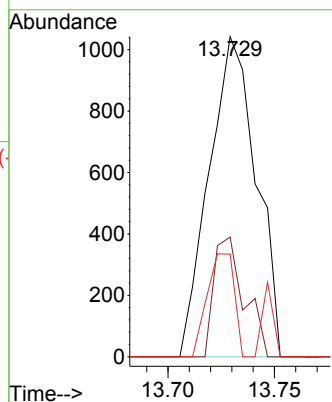


#79
tert-butylbenzene
Concen: 0.217 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.288 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:119 Resp: 1603
Ion Ratio Lower Upper
119 100
91 24.1 0.0 138.8
134 18.5 0.0 48.6



#91
Naphthalene
Concen: 1.712 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion:128 Resp: 13587
Ion Ratio Lower Upper
128 100
127 9.4 10.6 16.0#
129 12.8 8.6 13.0

