

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
 Data File : VN078581.D
 Acq On : 19 Jul 2023 16:43
 Operator : JC\MD
 Sample : 03668-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N48719

Quant Time: Jul 20 01:34:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

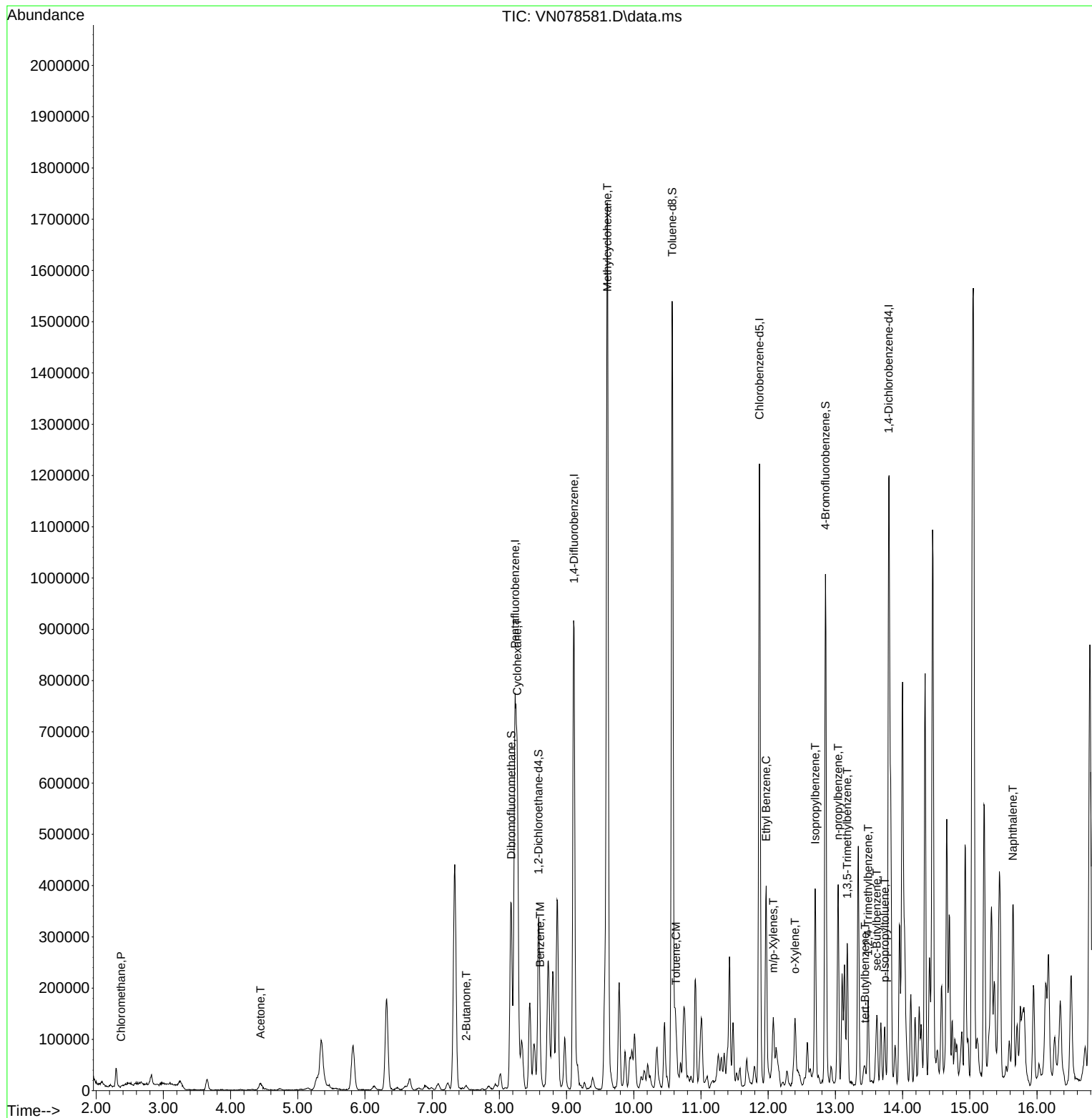
Internal Standards						
1) Pentafluorobenzene	8.236	168	418654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	765271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	712559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	321277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	268866	47.905	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.800%
35) Dibromofluoromethane	8.177	113	269218	51.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.640%
50) Toluene-d8	10.571	98	936205	47.705	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.420%
62) 4-Bromofluorobenzene	12.853	95	349231	57.773	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1560	0.280	ug/l	91
16) Acetone	4.448	43	23678	13.543	ug/l #	88
25) 2-Butanone	7.506	43	8238	2.993	ug/l #	80
31) Cyclohexane	8.265	56	361732	47.690	ug/l	94
39) Methylcyclohexane	9.606	83	776408	113.397	ug/l	93
40) Benzene	8.606	78	16552	0.745	ug/l	97
52) Toluene	10.629	92	24759	1.798	ug/l	89
67) Ethyl Benzene	11.971	91	205054	7.616	ug/l	96
68) m/p-Xylenes	12.076	106	43539	4.374	ug/l	100
69) o-Xylene	12.400	106	32552	3.238	ug/l	88
73) Isopropylbenzene	12.700	105	254192	8.420	ug/l	100
78) n-propylbenzene	13.041	91	290218	8.989	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	134107	5.622	ug/l	96
83) tert-Butylbenzene	13.441	119	12064	0.596	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	98748	4.262	ug/l	97
85) sec-Butylbenzene	13.618	105	86710	3.387	ug/l	83
86) p-Isopropyltoluene	13.735	119	59338	2.887	ug/l	97
95) Naphthalene	15.641	128	336996	26.780	ug/l	99

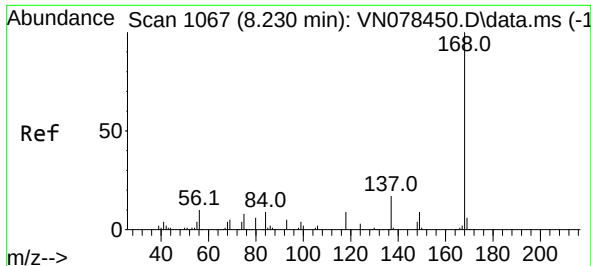
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
Data File : VN078581.D
Acq On : 19 Jul 2023 16:43
Operator : JC\MD
Sample : 03668-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48719

Quant Time: Jul 20 01:34:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

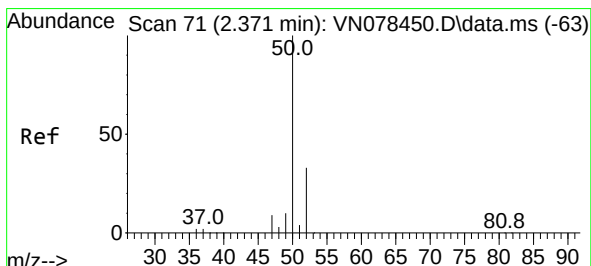
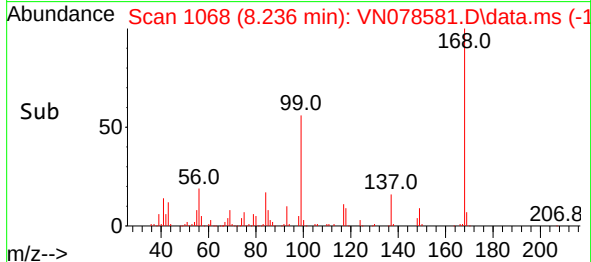
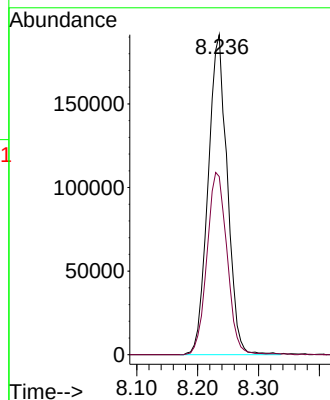
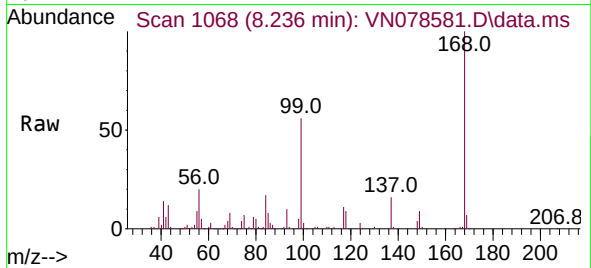




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

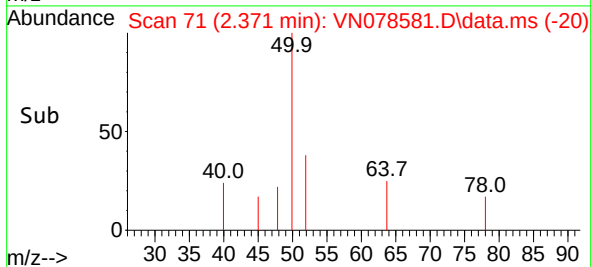
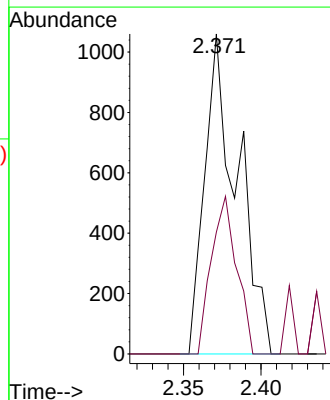
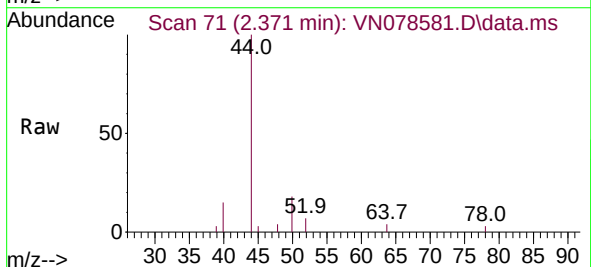
Instrument :
MSVOA_N
ClientSampleId :
N48719

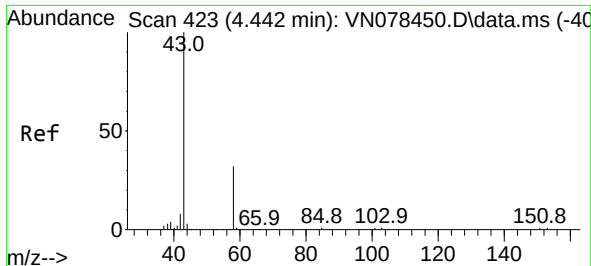
Tgt Ion:168 Resp: 418654
Ion Ratio Lower Upper
168 100
99 55.7 53.0 79.6



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 50 Resp: 1560
Ion Ratio Lower Upper
50 100
52 38.0 26.5 39.7

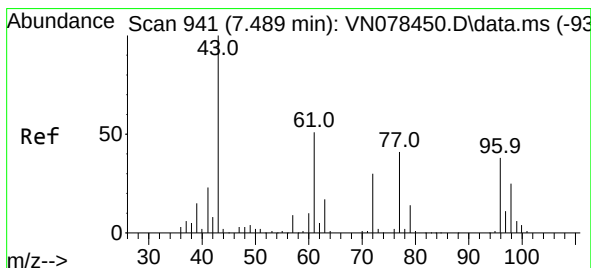
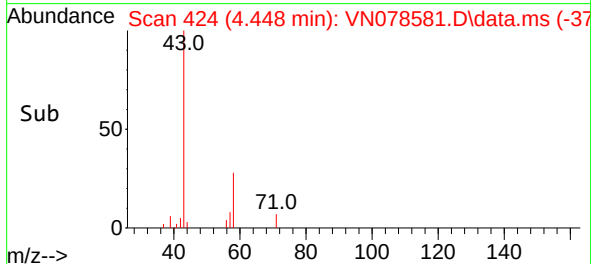
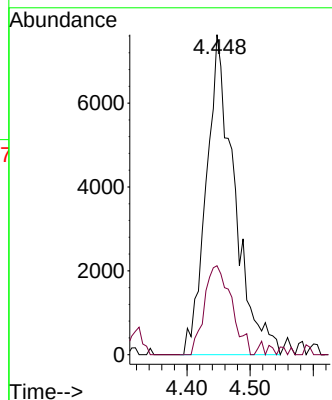
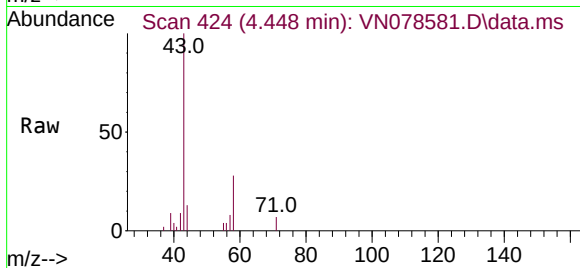




#16
Acetone
Concen: 13.543 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

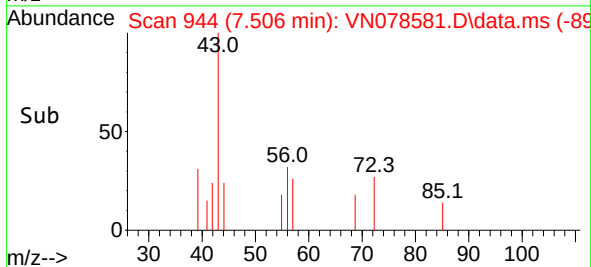
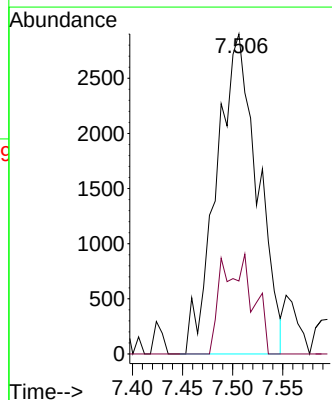
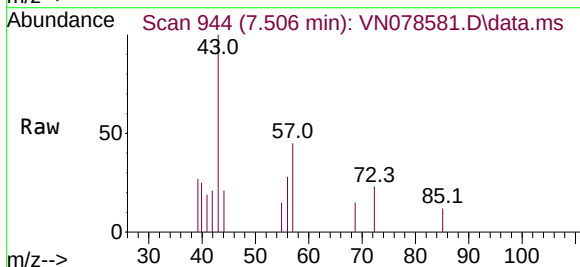
Instrument :
MSVOA_N
ClientSampleId :
N48719

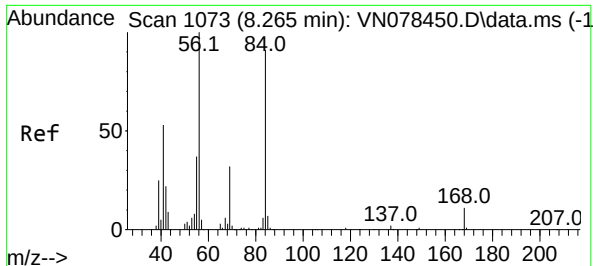
Tgt Ion: 43 Resp: 23678
Ion Ratio Lower Upper
43 100
58 27.8 28.0 42.0#



#25
2-Butanone
Concen: 2.993 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.017 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 43 Resp: 8238
Ion Ratio Lower Upper
43 100
72 25.6 30.2 45.2#

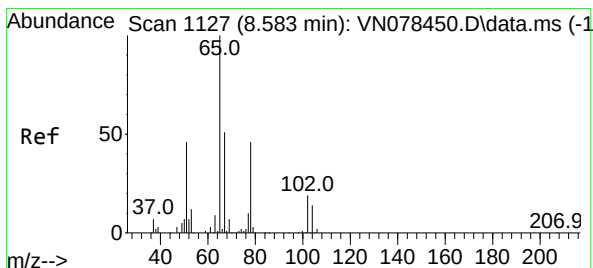
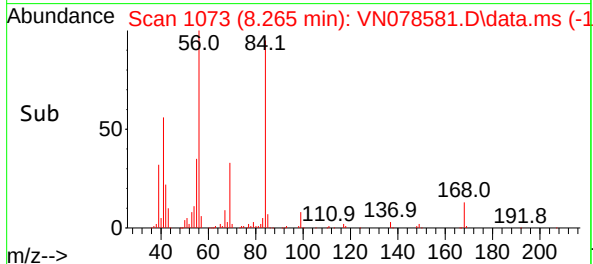
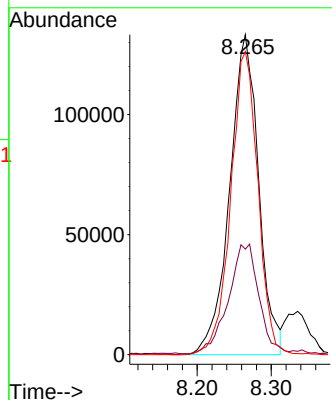
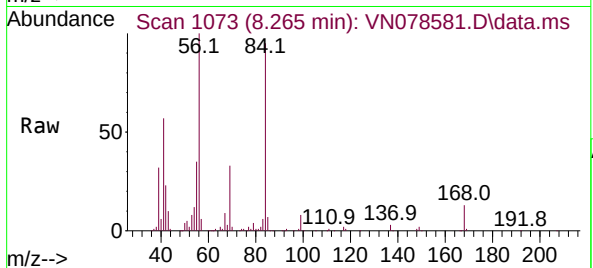




#31
Cyclohexane
Concen: 47.690 ug/l
RT: 8.265 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

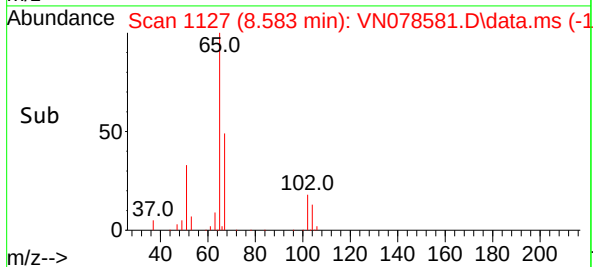
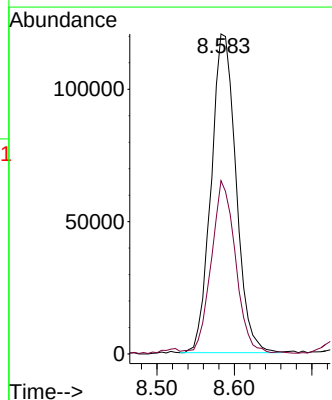
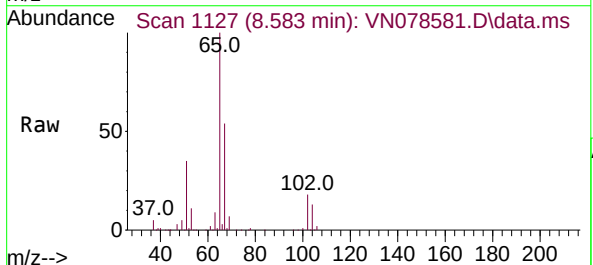
Instrument :
MSVOA_N
ClientSampleId :
N48719

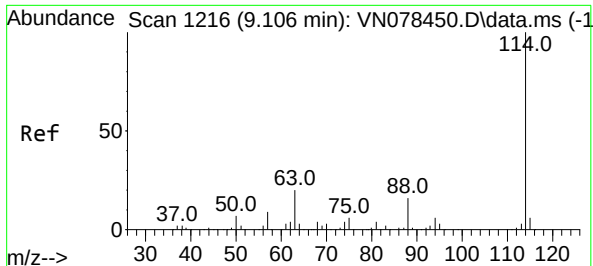
Tgt Ion: 56 Resp: 361732
Ion Ratio Lower Upper
56 100
69 32.6 26.8 40.2
84 94.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.905 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 65 Resp: 268866
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

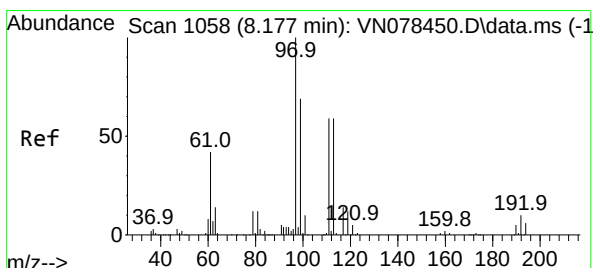
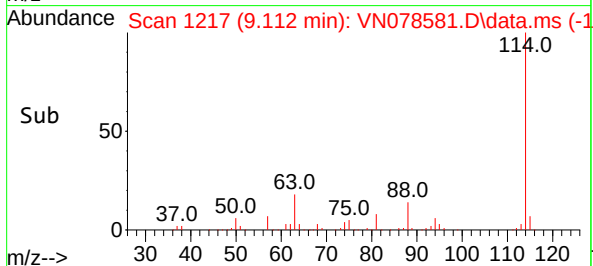
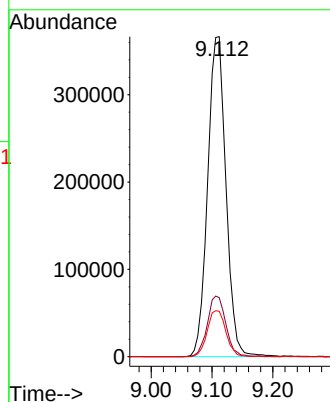
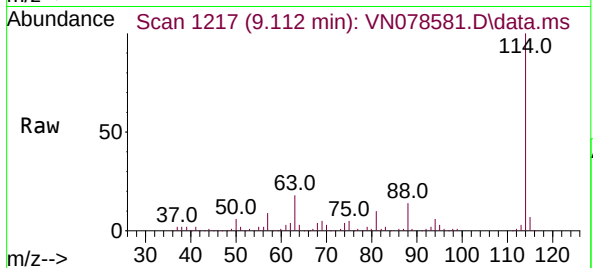
Tgt Ion:114 Resp: 765271

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.824 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

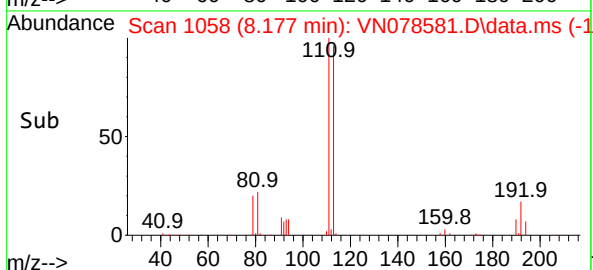
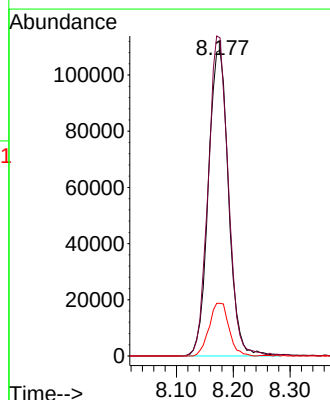
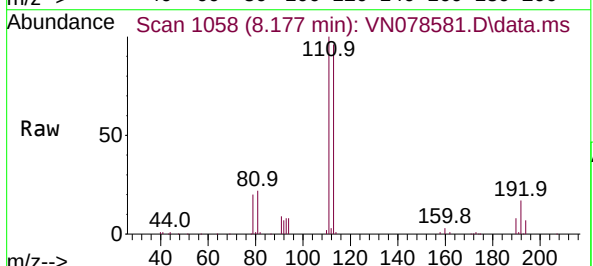
Tgt Ion:113 Resp: 269218

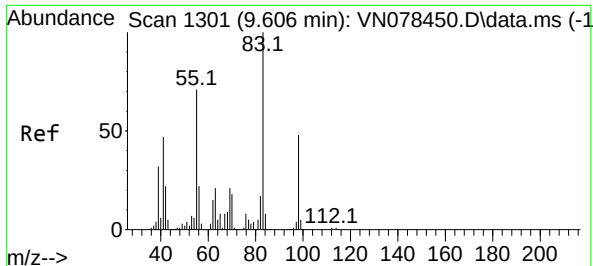
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 16.9 12.7 19.1





#39

Methylcyclohexane

Concen: 113.397 ug/l

RT: 9.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

N48719

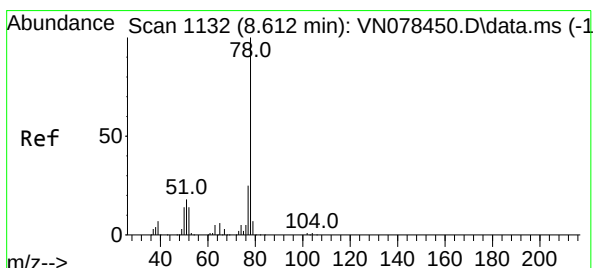
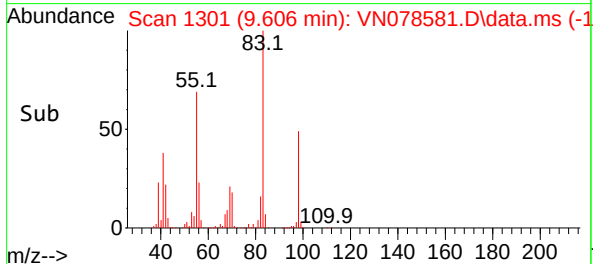
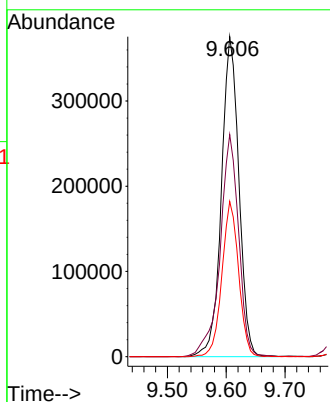
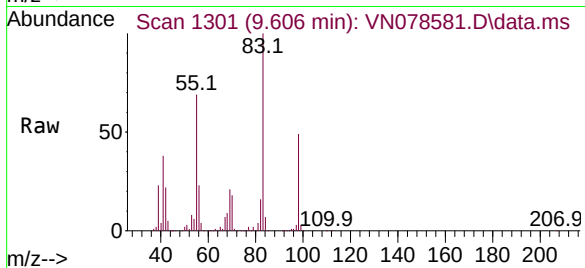
Tgt Ion: 83 Resp: 776408

Ion Ratio Lower Upper

83 100

55 69.4 49.1 73.7

98 48.5 40.6 61.0



#40

Benzene

Concen: 0.745 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN078581.D

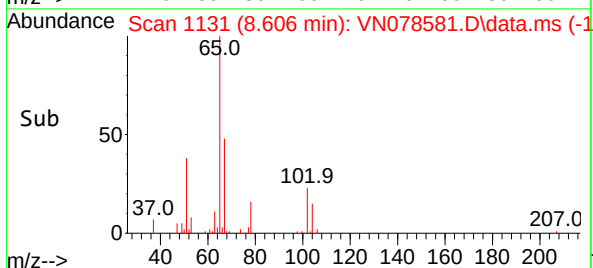
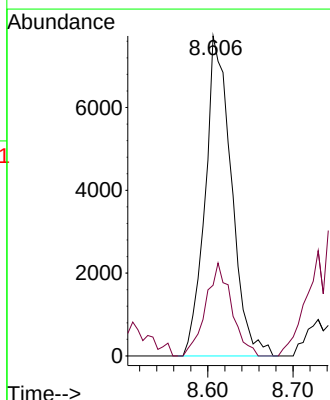
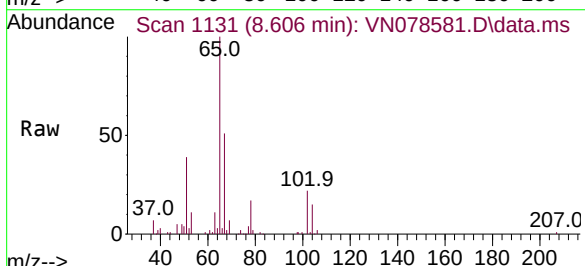
Acq: 19 Jul 2023 16:43

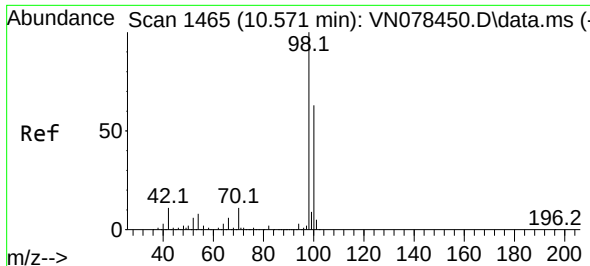
Tgt Ion: 78 Resp: 16552

Ion Ratio Lower Upper

78 100

77 22.1 19.0 28.6

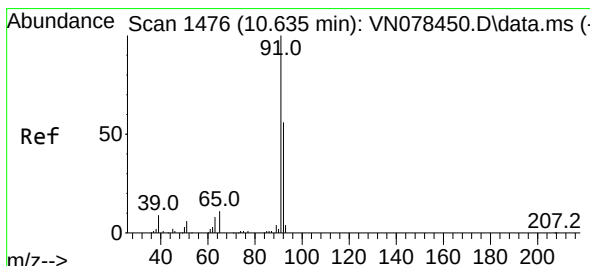
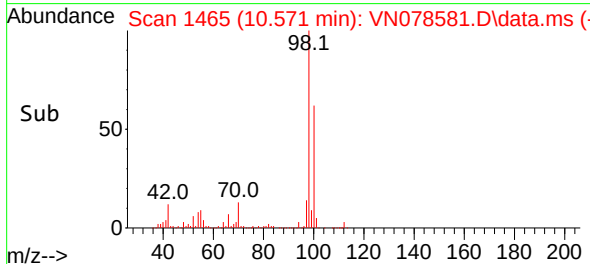
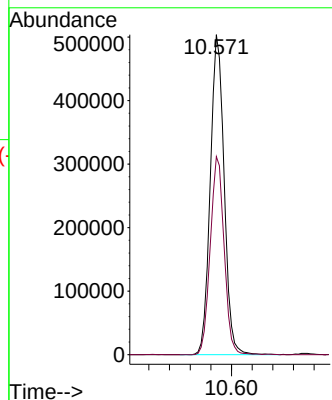
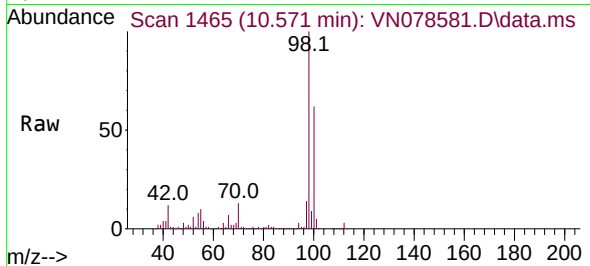




#50
Toluene-d8
Concen: 47.705 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

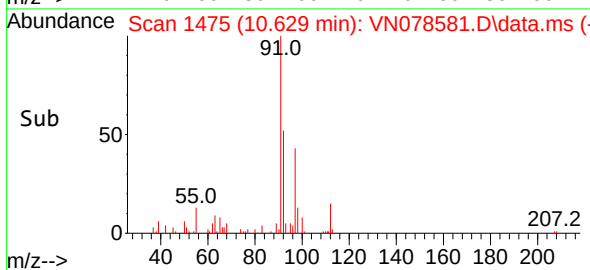
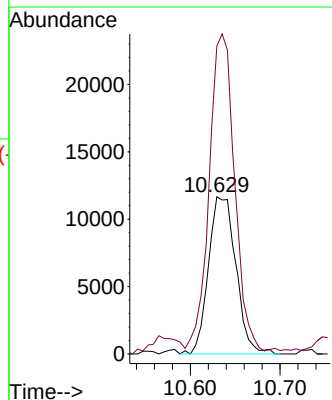
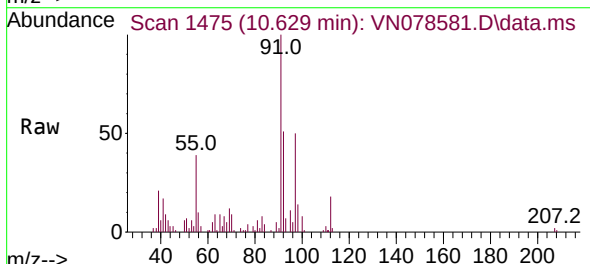
Instrument :
MSVOA_N
ClientSampleId :
N48719

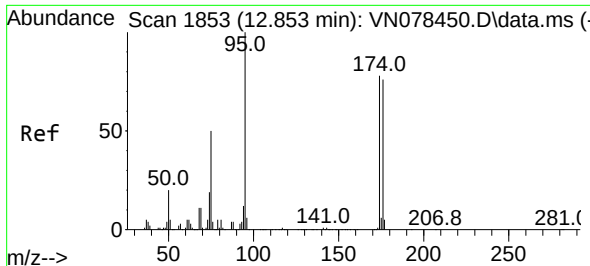
Tgt Ion: 98 Resp: 936205
Ion Ratio Lower Upper
98 100
100 62.0 52.0 78.0



#52
Toluene
Concen: 1.798 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 92 Resp: 24759
Ion Ratio Lower Upper
92 100
91 186.9 137.4 206.0

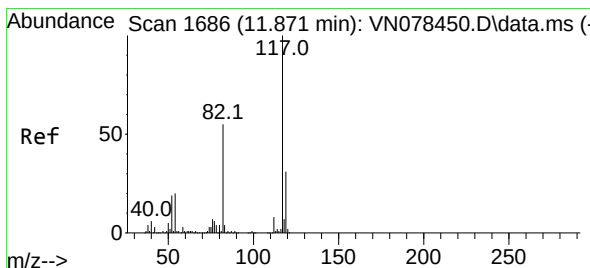
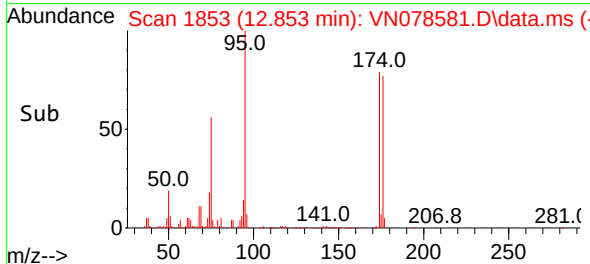
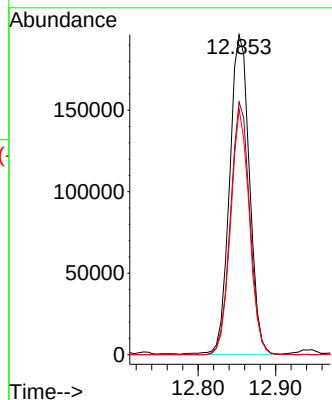
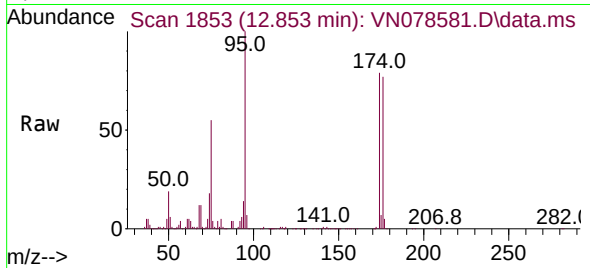




#62
4-Bromofluorobenzene
Concen: 57.773 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

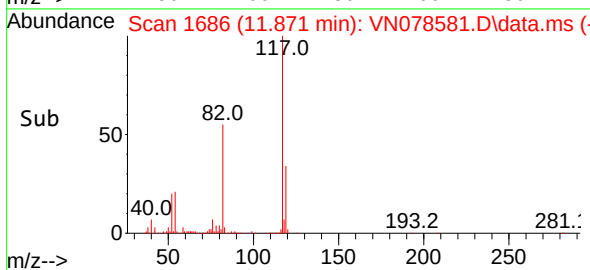
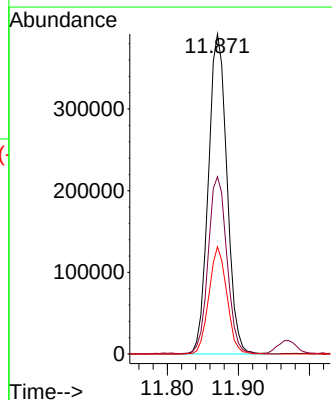
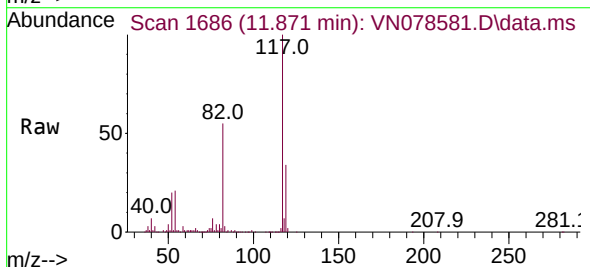
Instrument :
MSVOA_N
ClientSampleId :
N48719

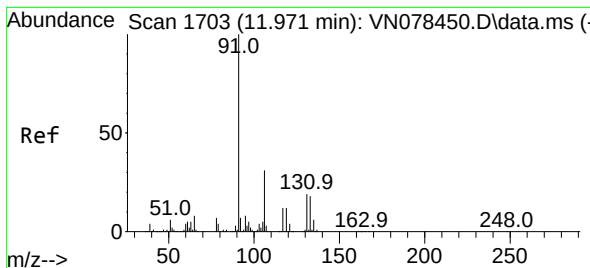
Tgt Ion: 95 Resp: 349231
Ion Ratio Lower Upper
95 100
174 77.3 0.0 143.8
176 72.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion: 117 Resp: 712559
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 33.5 25.6 38.4





#67

Ethyl Benzene

Concen: 7.616 ug/l

RT: 11.971 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

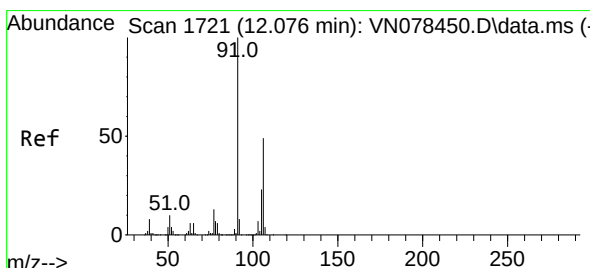
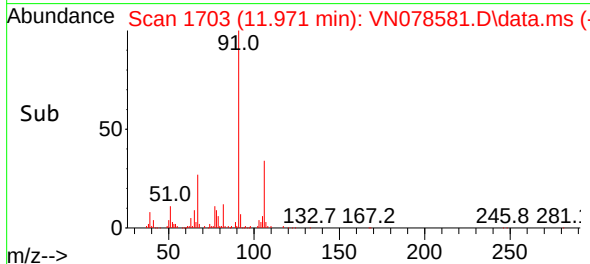
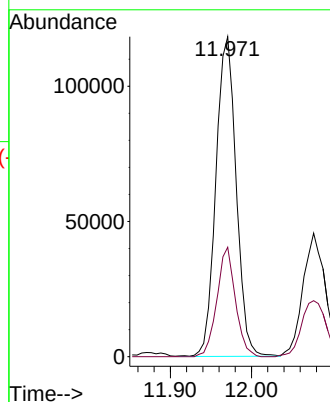
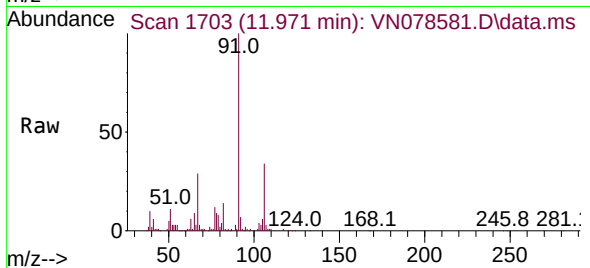
N48719

Tgt Ion: 91 Resp: 205054

Ion Ratio Lower Upper

91 100

106 34.3 25.6 38.4



#68

m/p-Xylenes

Concen: 4.374 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VN078581.D

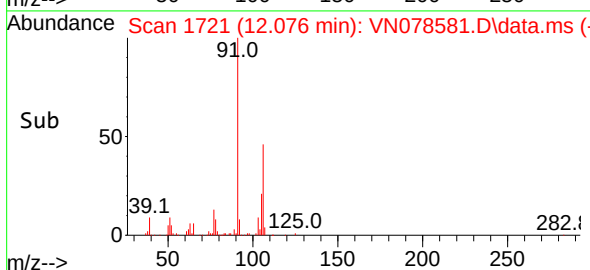
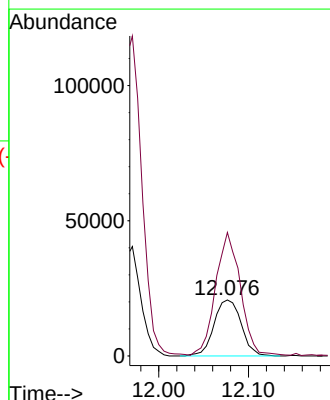
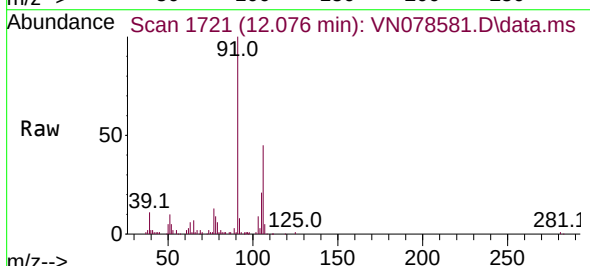
Acq: 19 Jul 2023 16:43

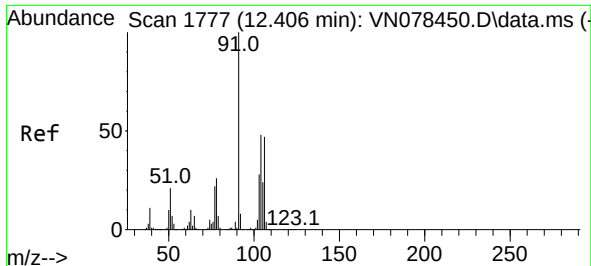
Tgt Ion:106 Resp: 43539

Ion Ratio Lower Upper

106 100

91 200.0 159.6 239.4

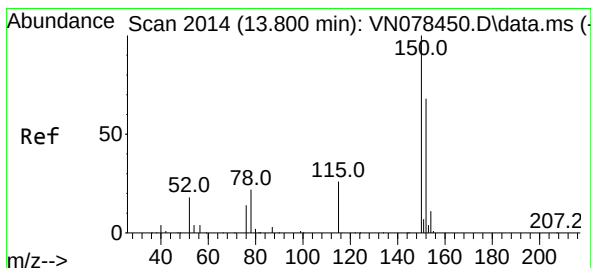
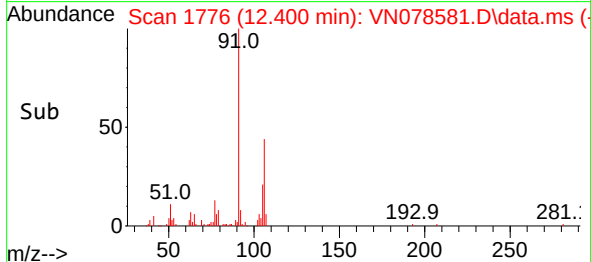
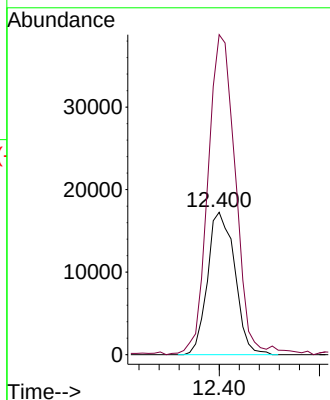
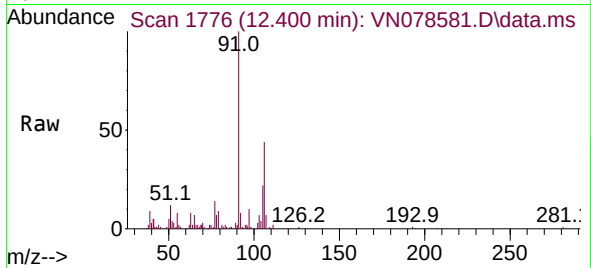




#69
o-Xylene
Concen: 3.238 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

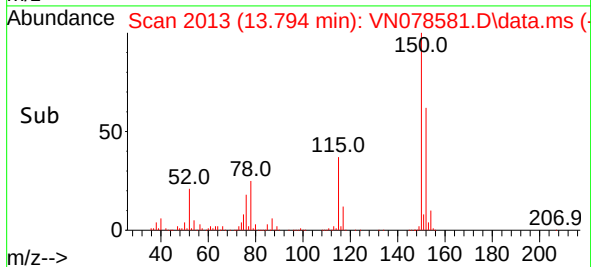
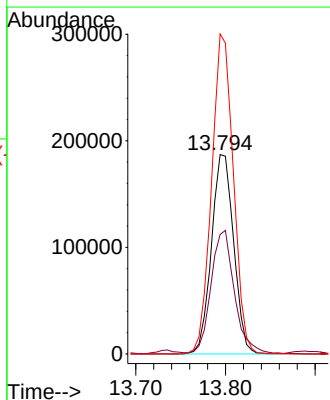
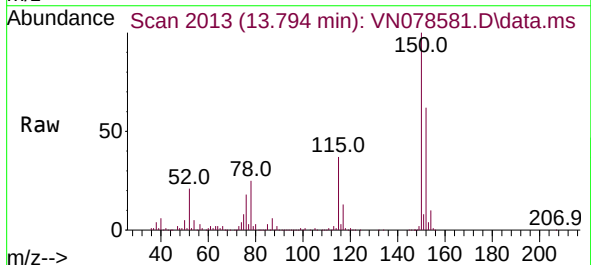
Instrument :
MSVOA_N
ClientSampleId :
N48719

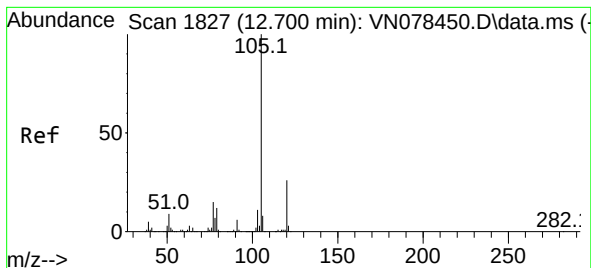
Tgt Ion:106 Resp: 32552
Ion Ratio Lower Upper
106 100
91 228.6 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion:152 Resp: 321277
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 157.6 0.0 355.8





#73

Isopropylbenzene

Concen: 8.420 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

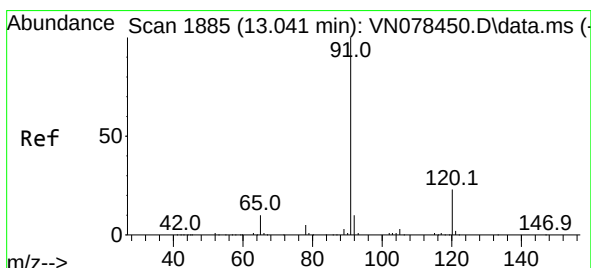
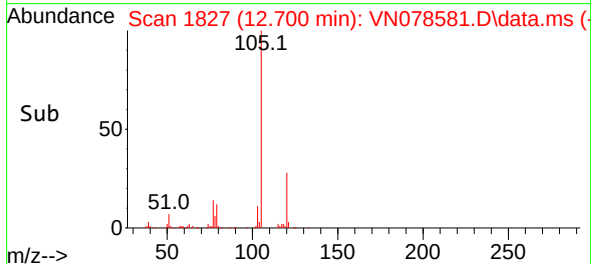
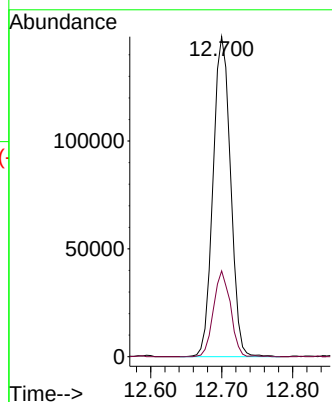
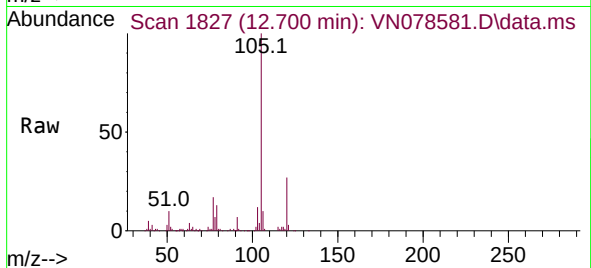
N48719

Tgt Ion:105 Resp: 254192

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



#78

n-propylbenzene

Concen: 8.989 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078581.D

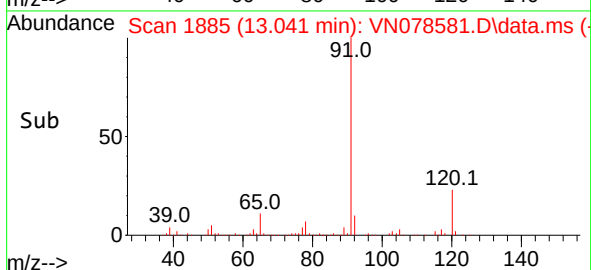
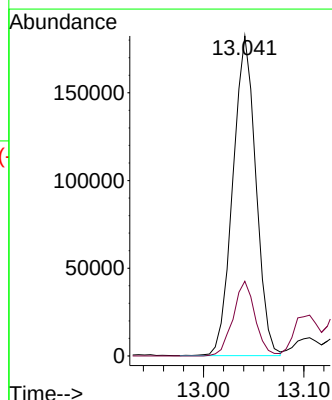
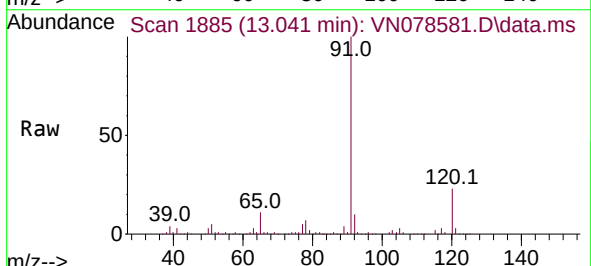
Acq: 19 Jul 2023 16:43

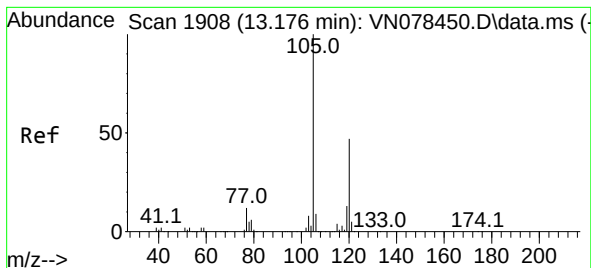
Tgt Ion: 91 Resp: 290218

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 5.622 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

Instrument :

MSVOA_N

ClientSampleId :

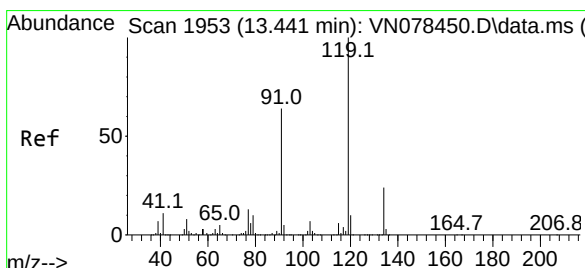
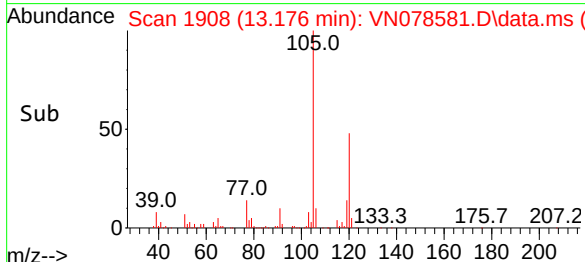
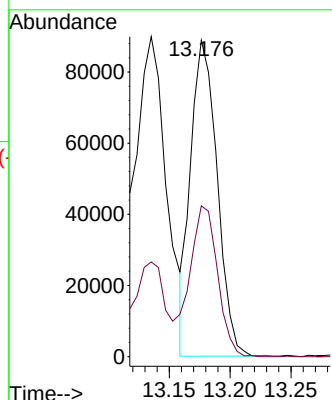
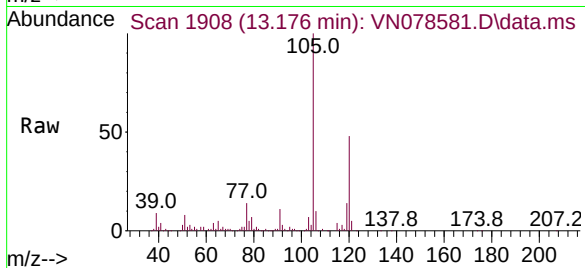
N48719

Tgt Ion:105 Resp: 134107

Ion Ratio Lower Upper

105 100

120 50.7 24.1 72.3



#83

tert-Butylbenzene

Concen: 0.596 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN078581.D

Acq: 19 Jul 2023 16:43

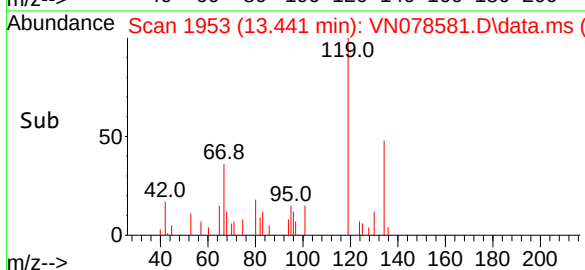
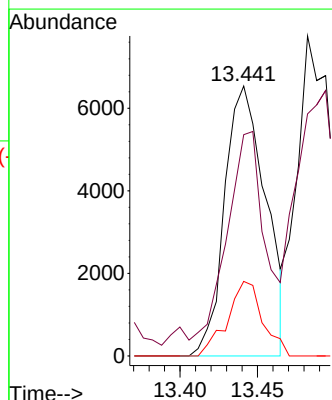
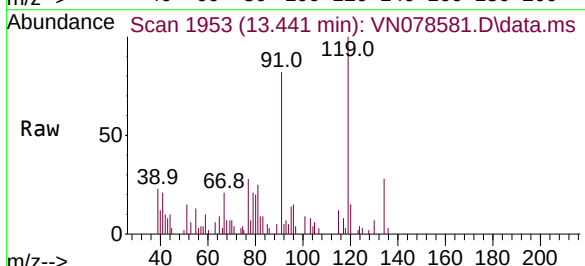
Tgt Ion:119 Resp: 12064

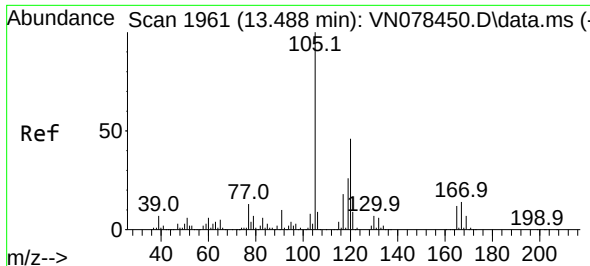
Ion Ratio Lower Upper

119 100

91 69.8 33.9 101.7

134 23.8 13.2 39.6

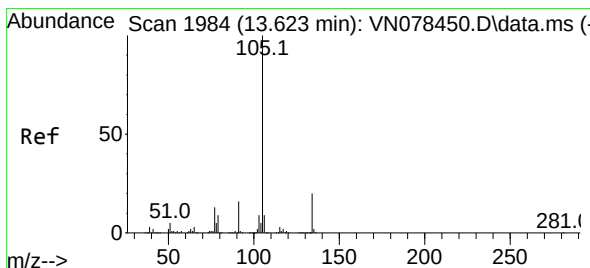
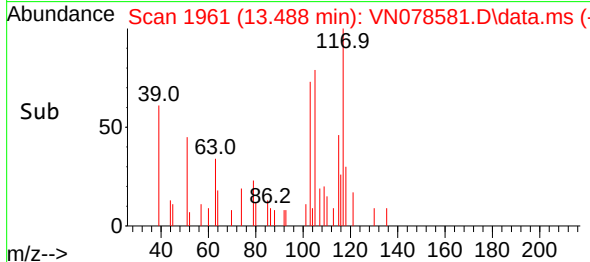
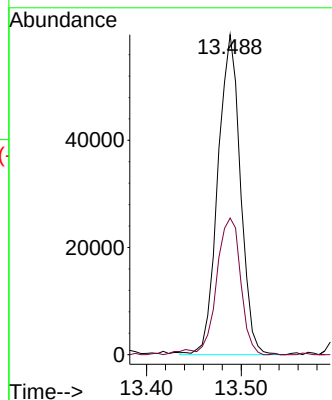
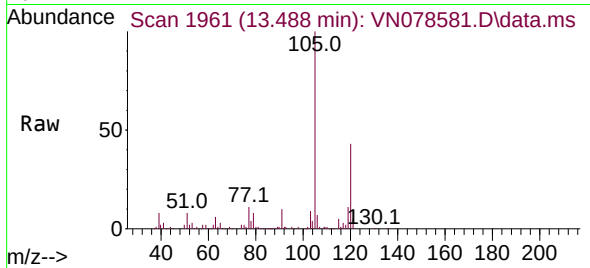




#84
1,2,4-Trimethylbenzene
Concen: 4.262 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

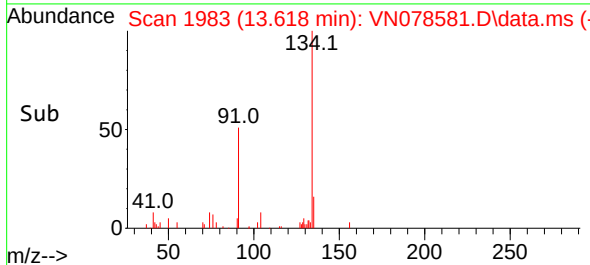
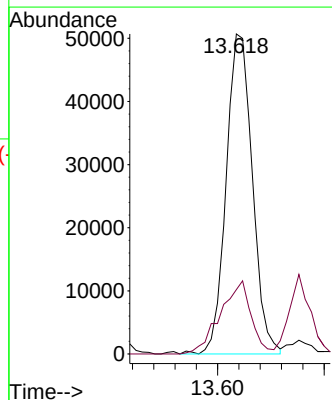
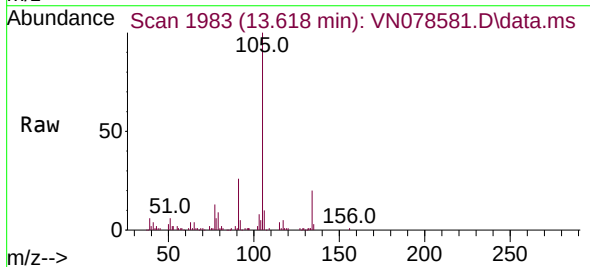
Instrument :
MSVOA_N
ClientSampleId :
N48719

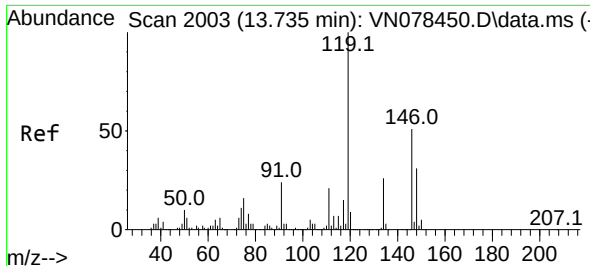
Tgt Ion:105 Resp: 98748
Ion Ratio Lower Upper
105 100
120 46.1 22.0 66.0



#85
sec-Butylbenzene
Concen: 3.387 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. -0.005 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion:105 Resp: 86710
Ion Ratio Lower Upper
105 100
134 27.0 9.8 29.3

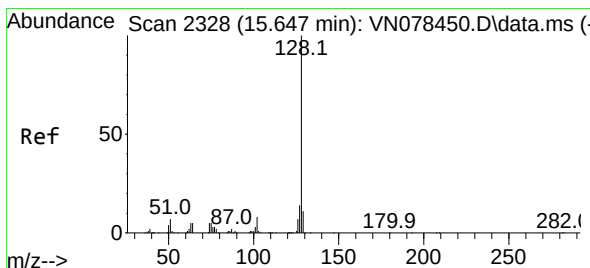
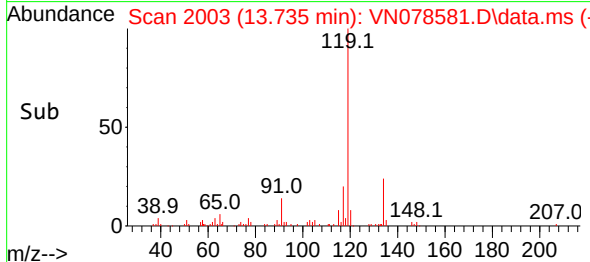
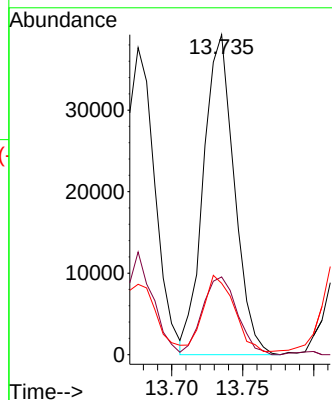
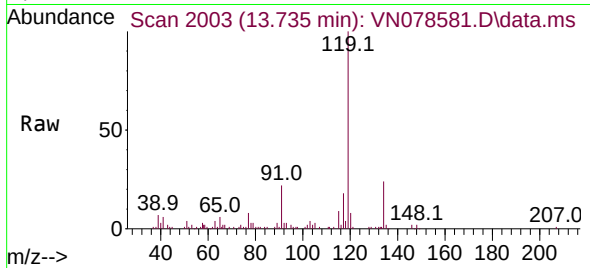




#86
p-Isopropyltoluene
Concen: 2.887 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Instrument :
MSVOA_N
ClientSampleId :
N48719

Tgt Ion:119 Resp: 59338
Ion Ratio Lower Upper
119 100
134 27.4 12.6 37.8
91 23.6 12.4 37.2



#95
Naphthalene
Concen: 26.780 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078581.D
Acq: 19 Jul 2023 16:43

Tgt Ion:128 Resp: 336996
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 10.9 8.7 13.1

