

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080467.D
 Acq On : 13 Dec 2023 17:16
 Operator : JC\MD
 Sample : 05791-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 597-A-J

Quant Time: Dec 14 04:09:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

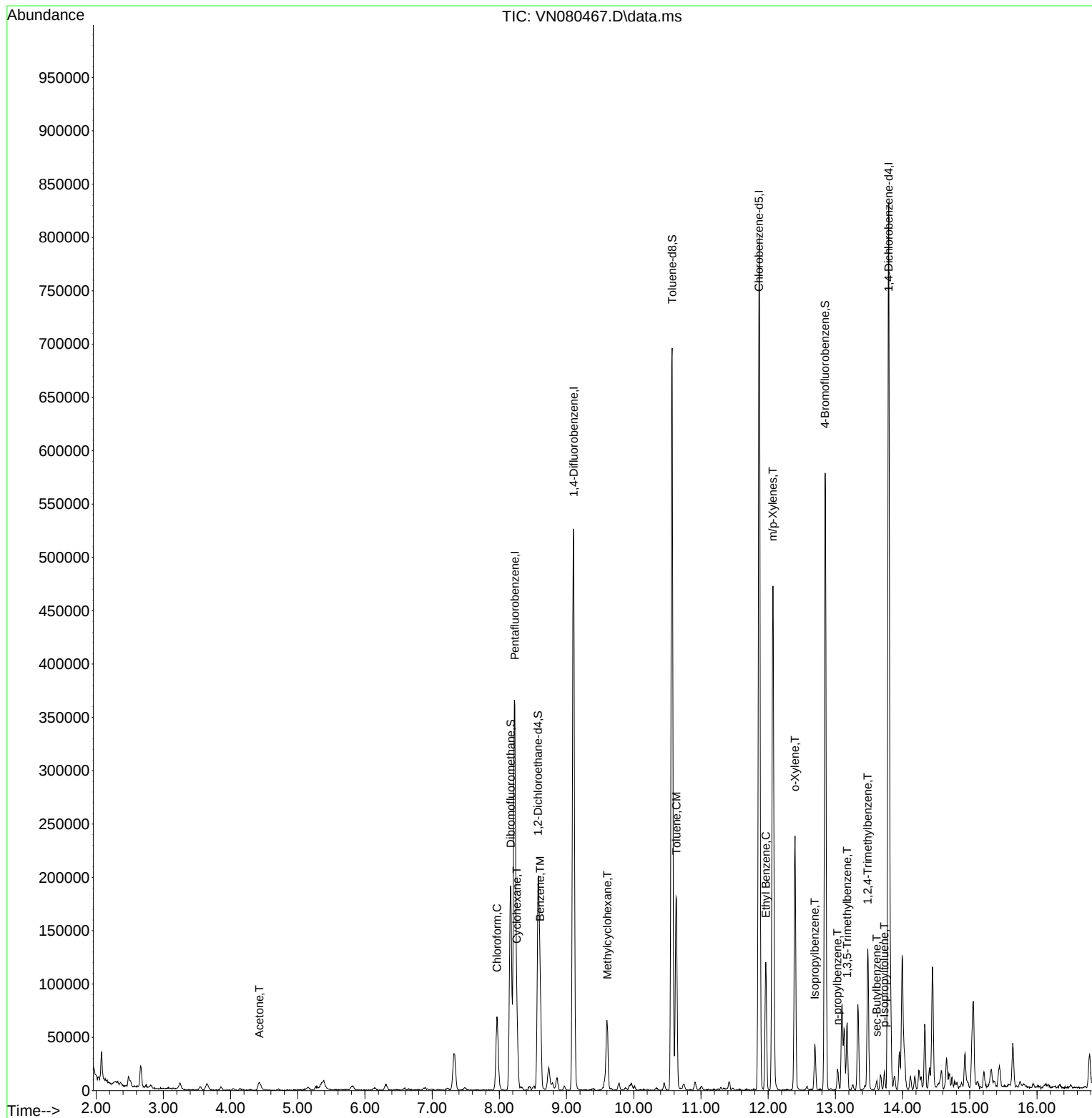
Internal Standards						
1) Pentafluorobenzene	8.230	168	253604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	455279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	469624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	163550	50.492	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.980%		
35) Dibromofluoromethane	8.171	113	138518	47.986	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.980%		
50) Toluene-d8	10.571	98	489582	45.476	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.960%		
62) 4-Bromofluorobenzene	12.847	95	208123	50.910	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.820%		
Target Compounds						
						Qvalue
16) Acetone	4.430	43	14088	24.529	ug/l	91
30) Chloroform	7.965	83	67082	11.898	ug/l	100
31) Cyclohexane	8.259	56	41305	9.377	ug/l #	95
39) Methylcyclohexane	9.606	83	29681	6.053	ug/l	96
40) Benzene	8.606	78	88237	6.474	ug/l	99
52) Toluene	10.635	92	83103	9.652	ug/l	95
67) Ethyl Benzene	11.965	91	83354	4.339	ug/l	93
68) m/p-Xylenes	12.070	106	153476	21.622	ug/l	89
69) o-Xylene	12.400	106	63820	9.192	ug/l	87
73) Isopropylbenzene	12.694	105	29071	1.634	ug/l	98
78) n-propylbenzene	13.029	91	14947	0.762	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	34399	2.246	ug/l	90
84) 1,2,4-Trimethylbenzene	13.482	105	77005	5.053	ug/l	97
85) sec-Butylbenzene	13.617	105	4808	0.300	ug/l #	77
86) p-Isopropyltoluene	13.729	119	8947	0.617	ug/l	94

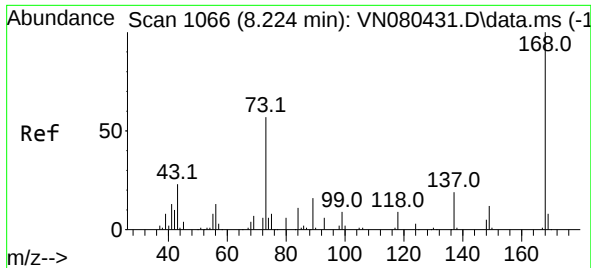
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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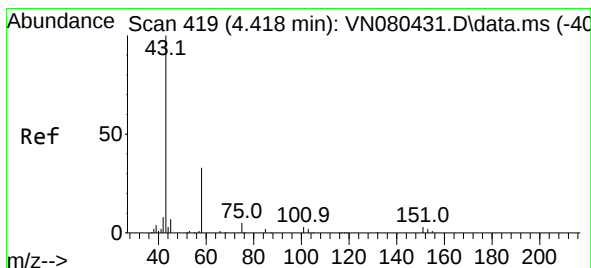
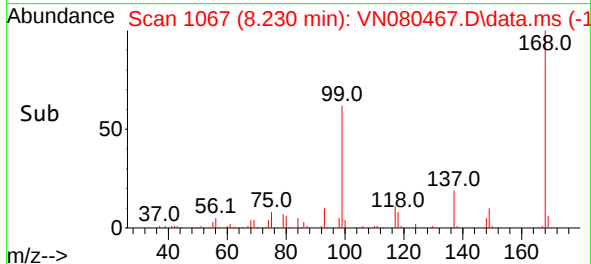
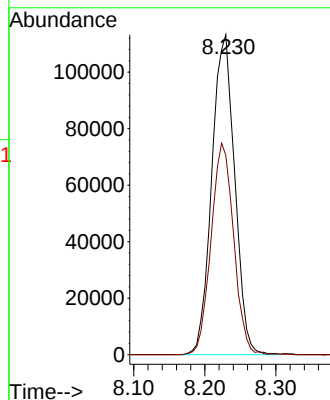
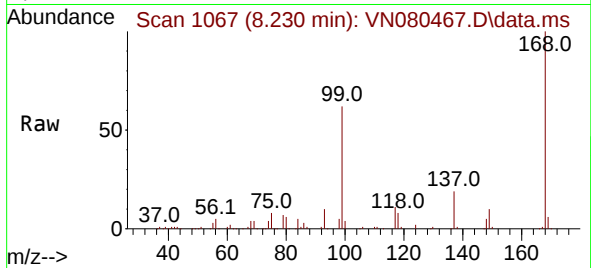




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

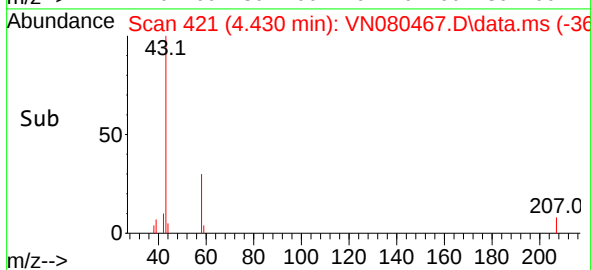
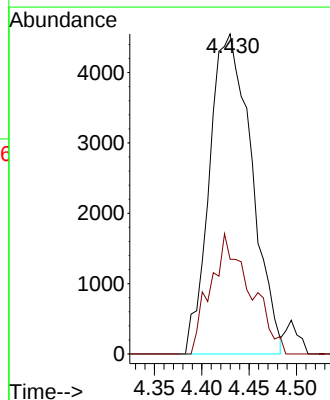
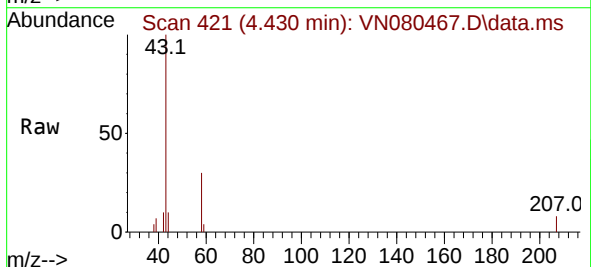
Instrument :
MSVOA_N
ClientSampleId :
597-A-J

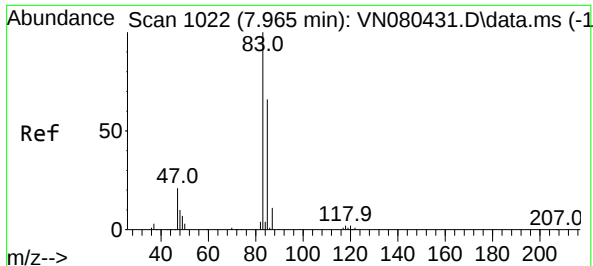
Tgt Ion:168 Resp: 253604
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#16
Acetone
Concen: 24.529 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

Tgt Ion: 43 Resp: 14088
Ion Ratio Lower Upper
43 100
58 29.6 28.0 42.0





#30

Chloroform

Concen: 11.898 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN080467.D

Acq: 13 Dec 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

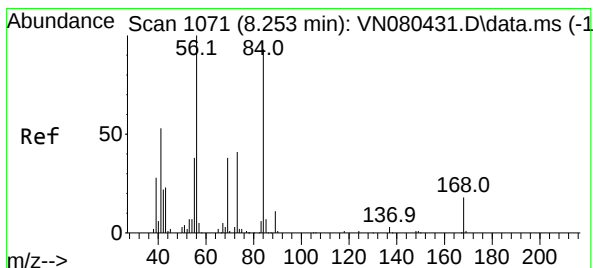
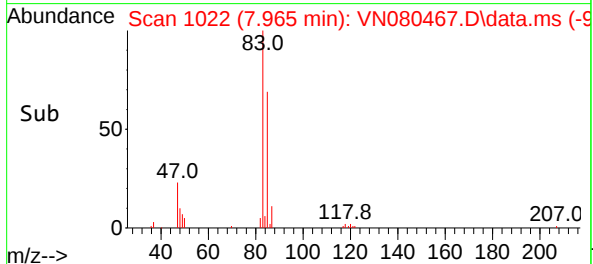
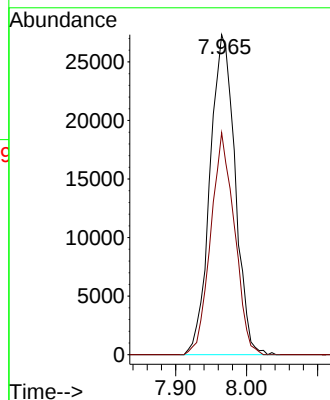
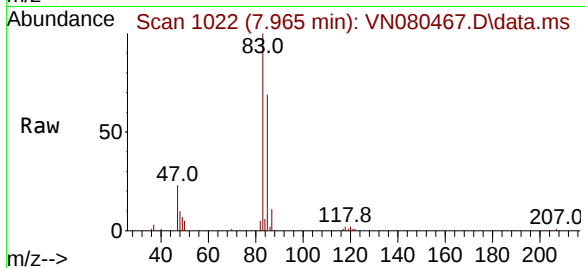
597-A-J

Tgt Ion: 83 Resp: 67082

Ion Ratio Lower Upper

83 100

85 69.4 55.4 83.0



#31

Cyclohexane

Concen: 9.377 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.006 min

Lab File: VN080467.D

Acq: 13 Dec 2023 17:16

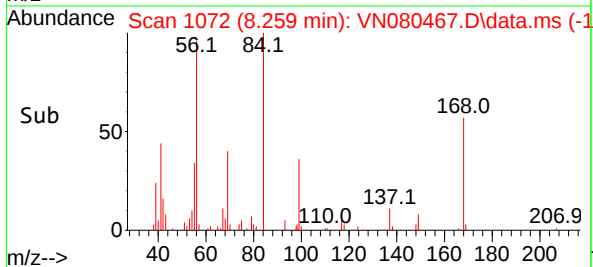
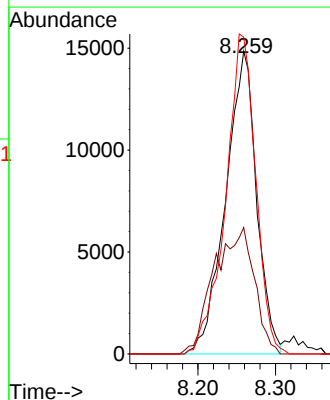
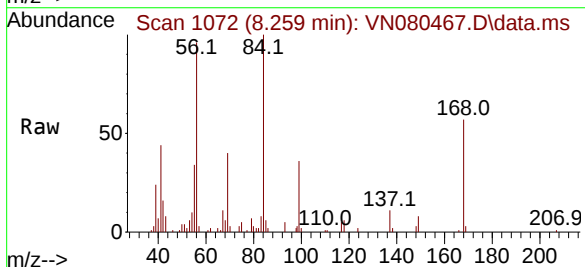
Tgt Ion: 56 Resp: 41305

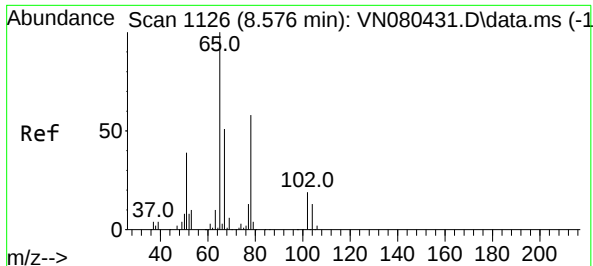
Ion Ratio Lower Upper

56 100

69 41.7 26.8 40.2#

84 104.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 50.492 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080467.D

Acq: 13 Dec 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

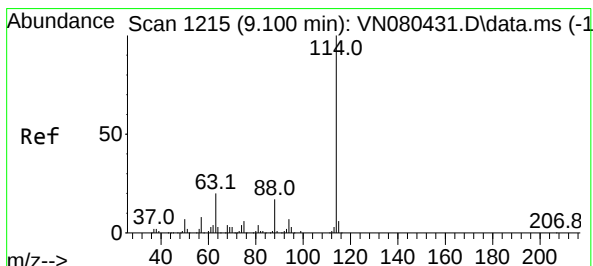
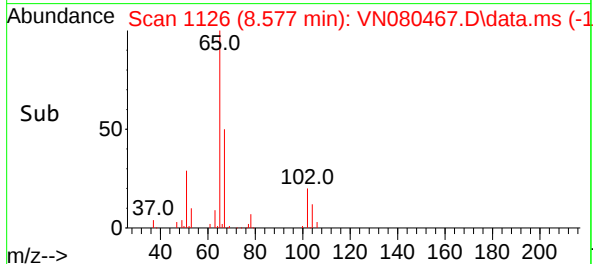
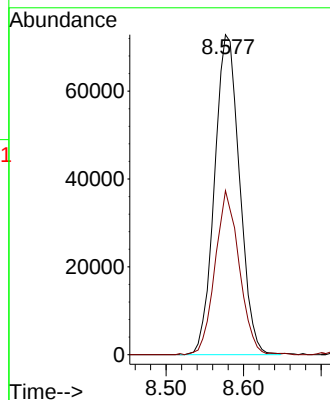
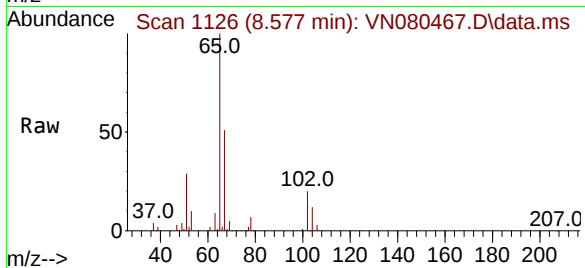
597-A-J

Tgt Ion: 65 Resp: 163550

Ion Ratio Lower Upper

65 100

67 49.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080467.D

Acq: 13 Dec 2023 17:16

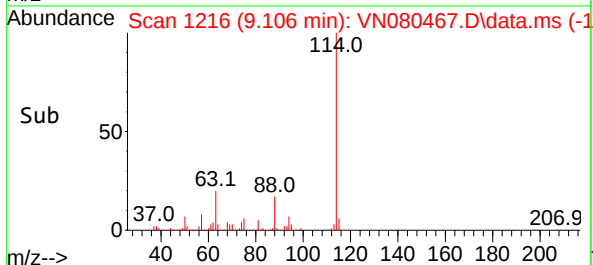
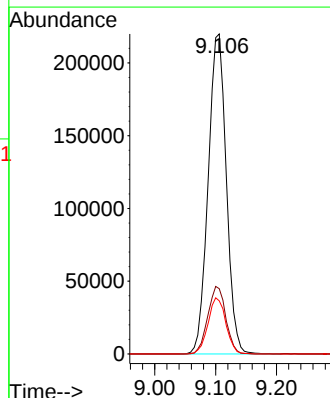
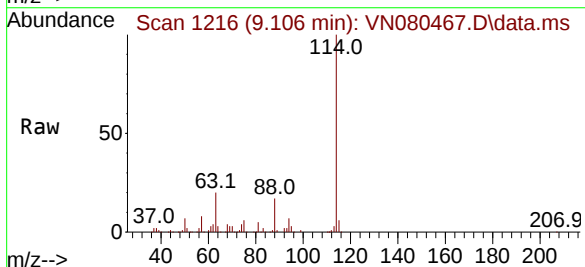
Tgt Ion: 114 Resp: 455279

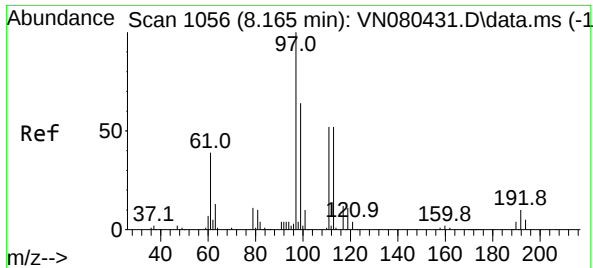
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 16.6 0.0 30.6

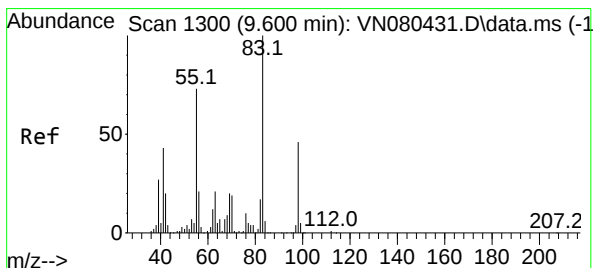
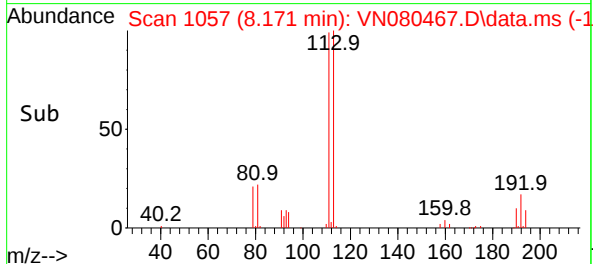
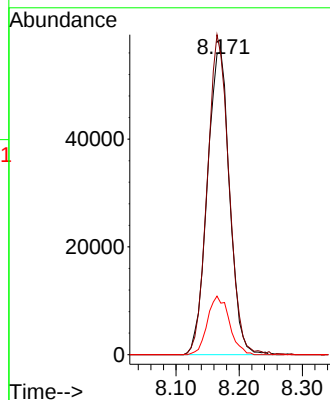
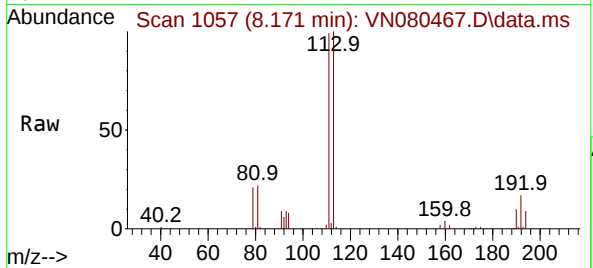




#35
Dibromofluoromethane
Concen: 47.986 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

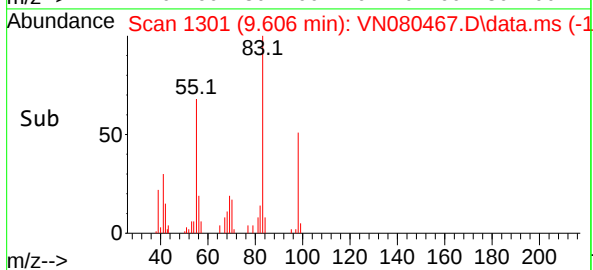
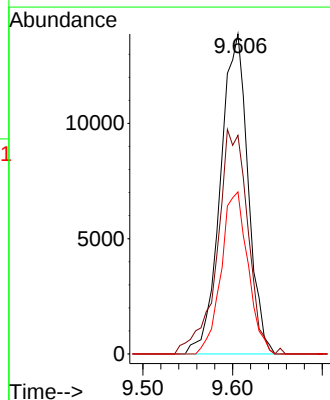
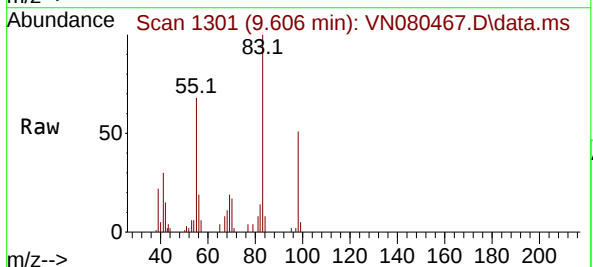
Instrument :
MSVOA_N
ClientSampleId :
597-A-J

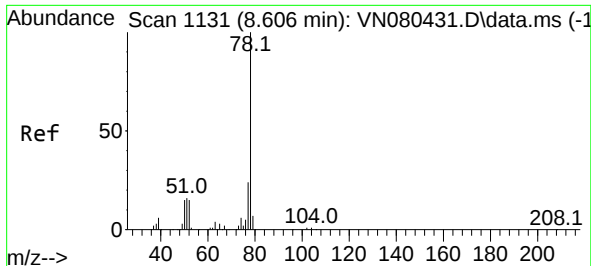
Tgt Ion:113 Resp: 138518
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 18.9 12.7 19.1



#39
Methylcyclohexane
Concen: 6.053 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

Tgt Ion: 83 Resp: 29681
Ion Ratio Lower Upper
83 100
55 66.5 49.1 73.7
98 50.7 40.6 61.0





#40

Benzene

Concen: 6.474 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080467.D

Acq: 13 Dec 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

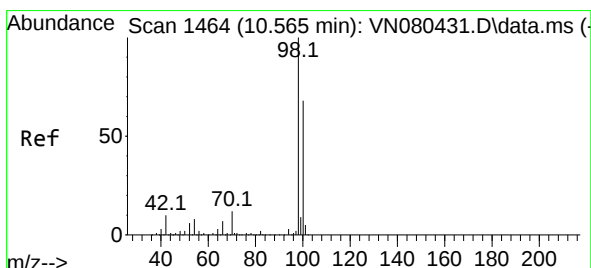
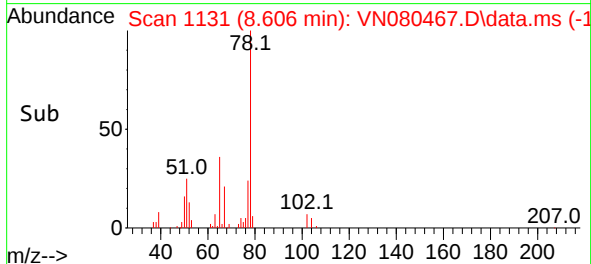
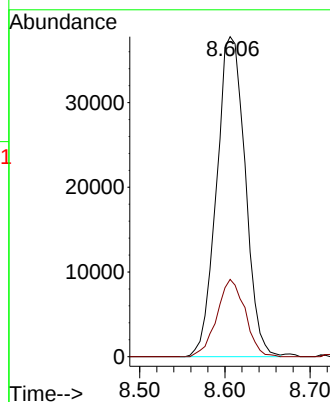
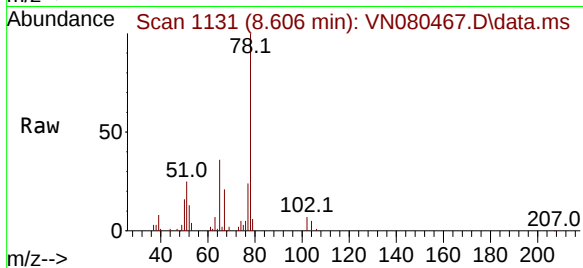
597-A-J

Tgt Ion: 78 Resp: 88237

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6



#50

Toluene-d8

Concen: 45.476 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080467.D

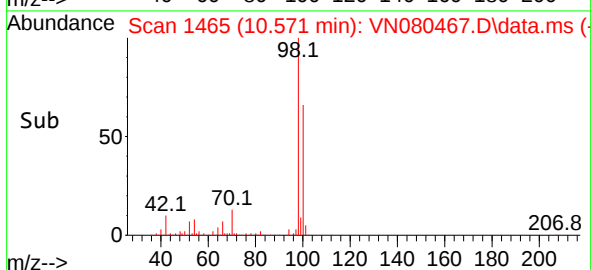
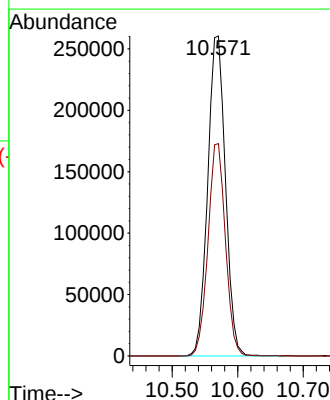
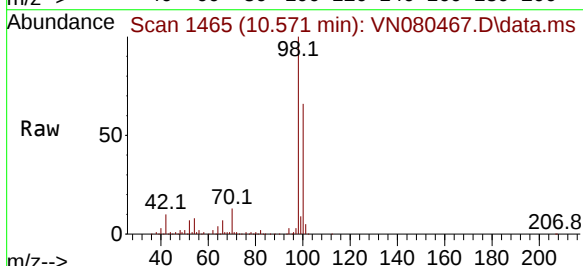
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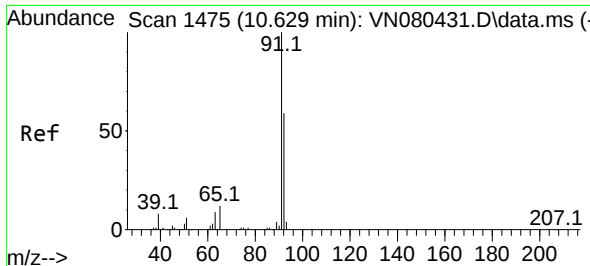
Tgt Ion: 98 Resp: 489582

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

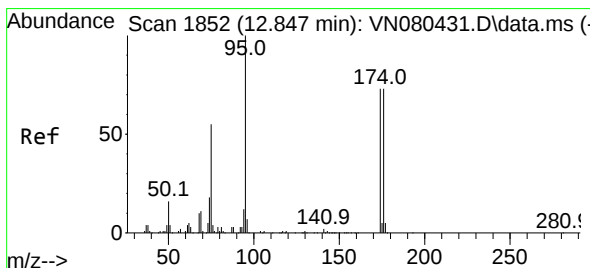
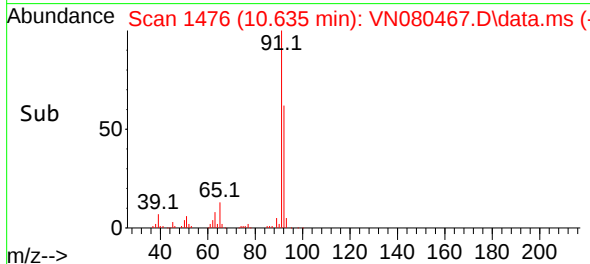
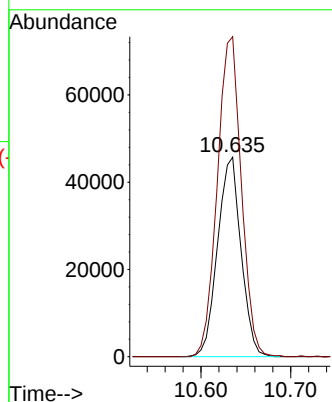
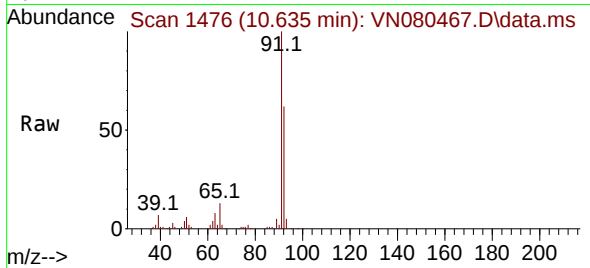




#52
Toluene
Concen: 9.652 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

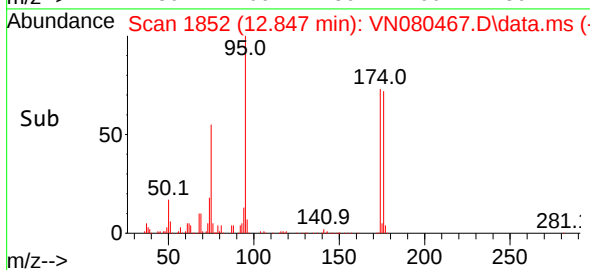
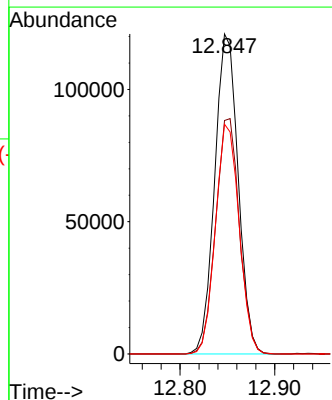
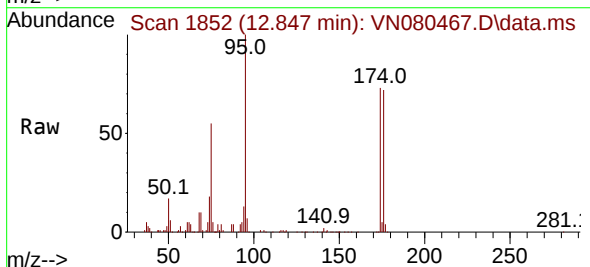
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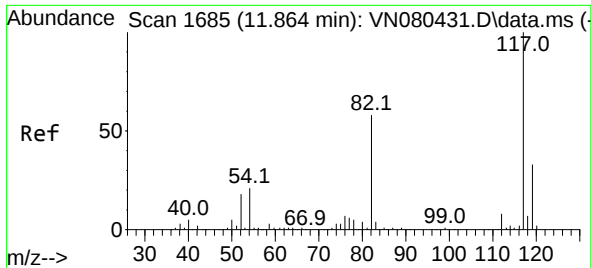
Tgt Ion: 92 Resp: 83103
Ion Ratio Lower Upper
92 100
91 164.2 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 50.910 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

Tgt Ion: 95 Resp: 208123
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.8
176 72.5 0.0 135.8

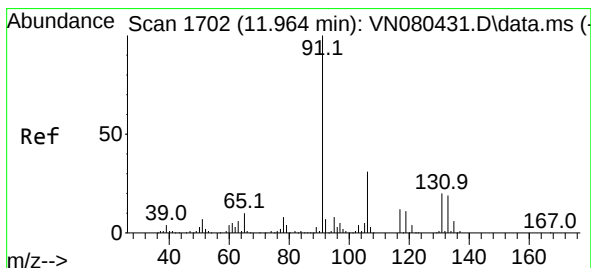
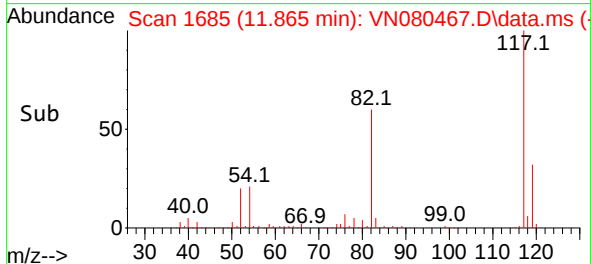
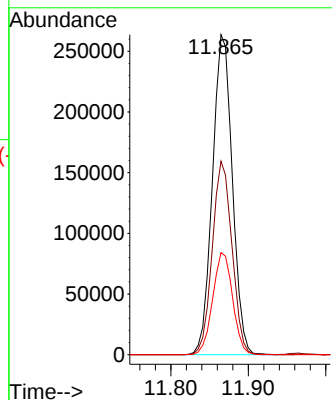
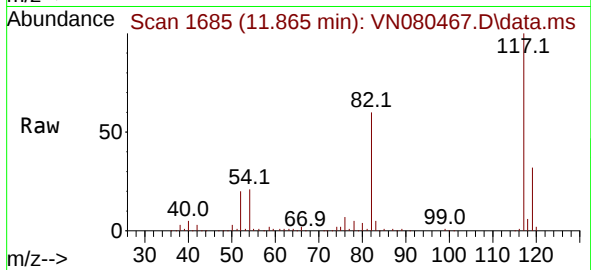




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

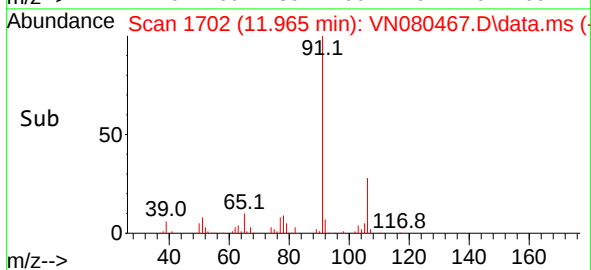
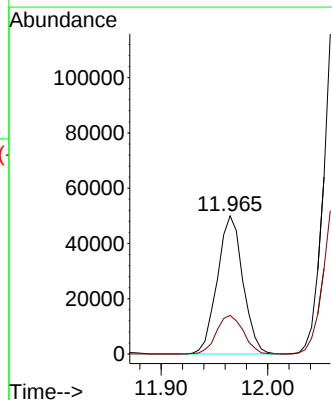
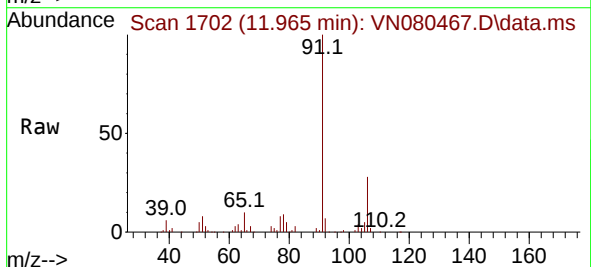
Instrument :
MSVOA_N
ClientSampleId :
597-A-J

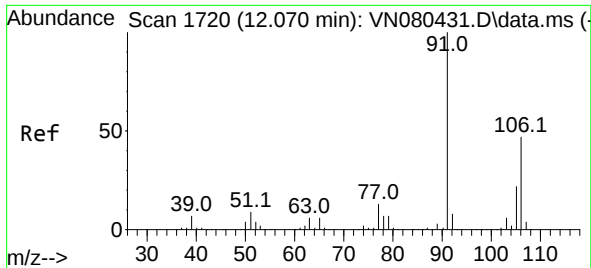
Tgt Ion:117 Resp: 469624
Ion Ratio Lower Upper
117 100
82 60.5 44.0 66.0
119 31.9 25.6 38.4



#67
Ethyl Benzene
Concen: 4.339 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

Tgt Ion: 91 Resp: 83354
Ion Ratio Lower Upper
91 100
106 27.9 25.6 38.4

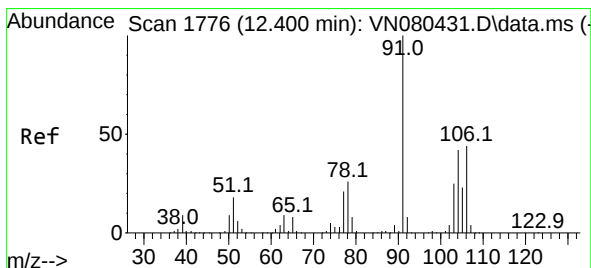
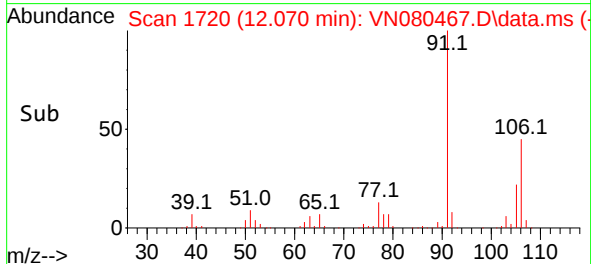
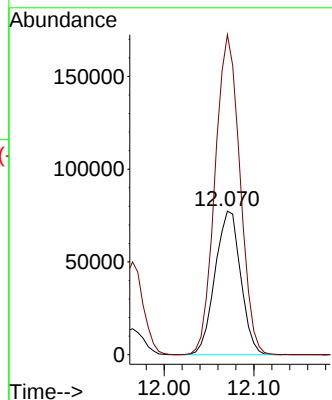
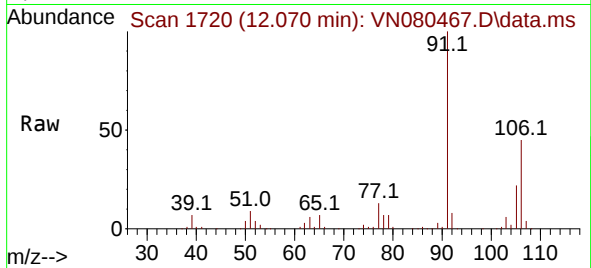




#68
m/p-Xylenes
Concen: 21.622 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

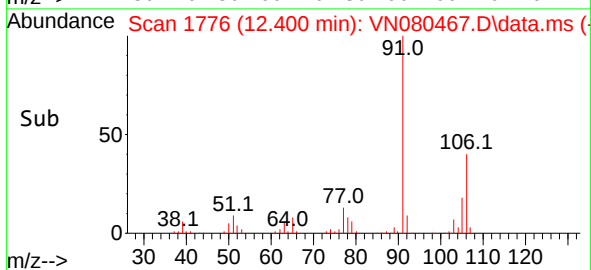
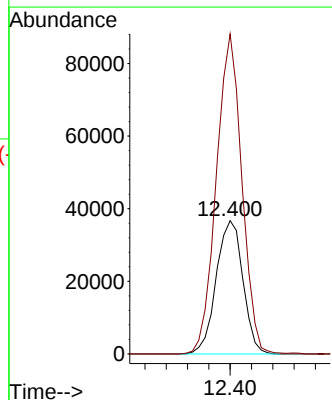
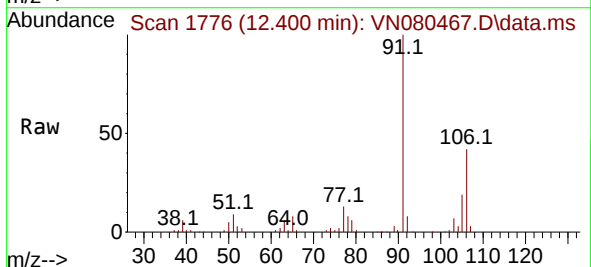
Instrument :
MSVOA_N
ClientSampleId :
597-A-J

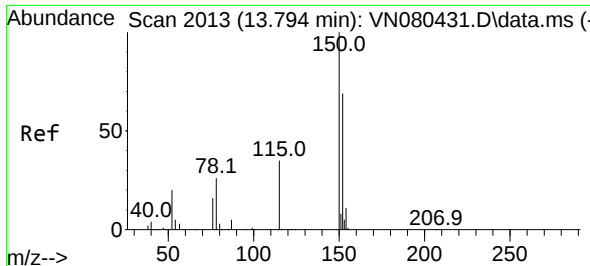
Tgt Ion:106 Resp: 153476
Ion Ratio Lower Upper
106 100
91 216.9 159.6 239.4



#69
o-Xylene
Concen: 9.192 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

Tgt Ion:106 Resp: 63820
Ion Ratio Lower Upper
106 100
91 229.9 105.2 315.5

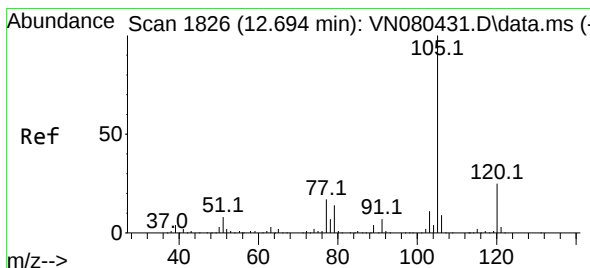
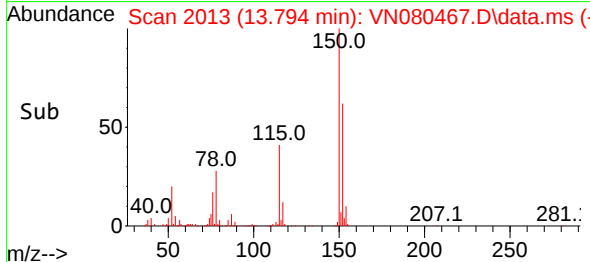
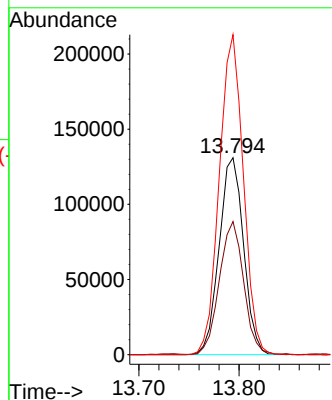
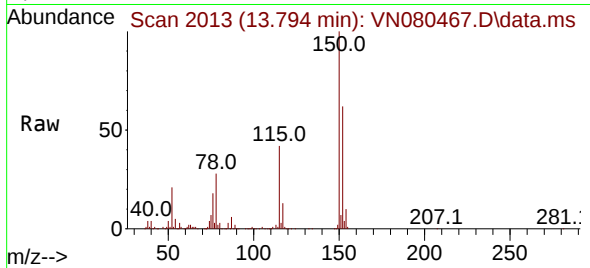




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080467.D
 Acq: 13 Dec 2023 17:16

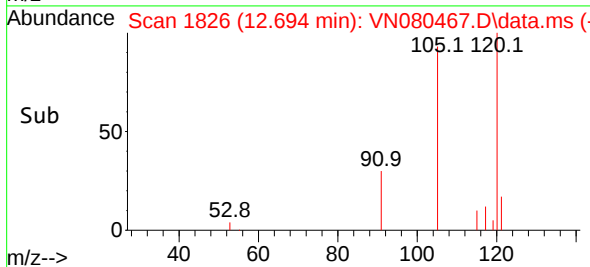
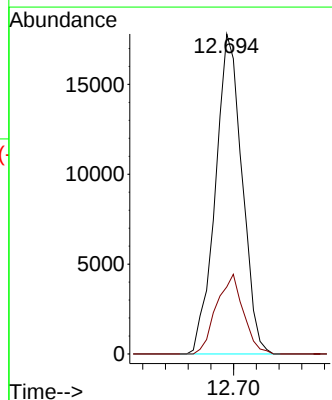
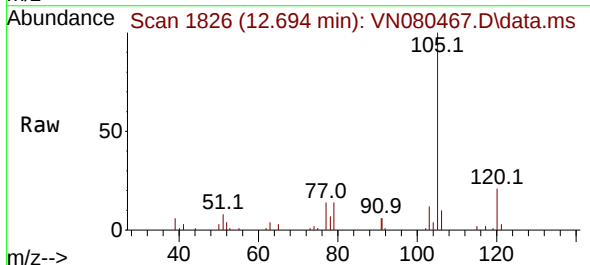
Instrument :
 MSVOA_N
 ClientSampleId :
 597-A-J

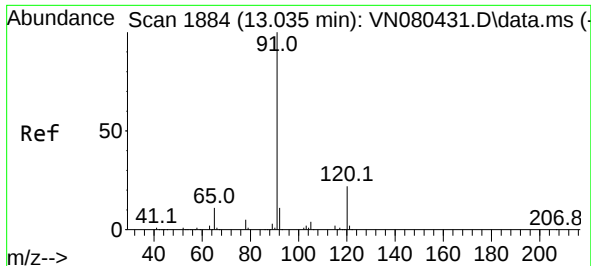
Tgt Ion:152 Resp: 221410
 Ion Ratio Lower Upper
 152 100
 115 67.5 32.3 96.8
 150 159.9 0.0 355.8



#73
 Isopropylbenzene
 Concen: 1.634 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: VN080467.D
 Acq: 13 Dec 2023 17:16

Tgt Ion:105 Resp: 29071
 Ion Ratio Lower Upper
 105 100
 120 25.1 13.1 39.1

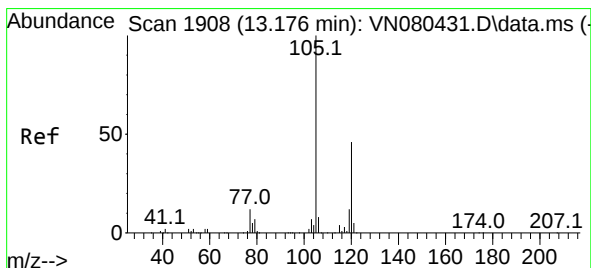
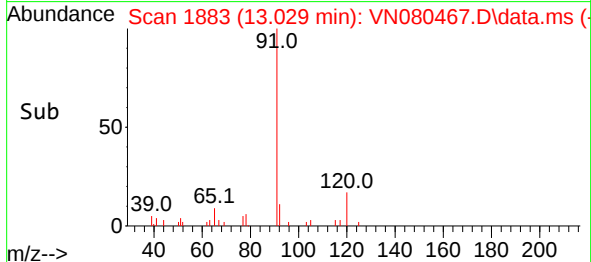
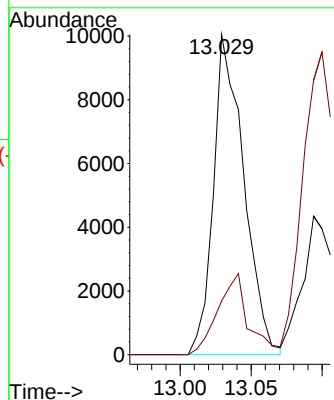
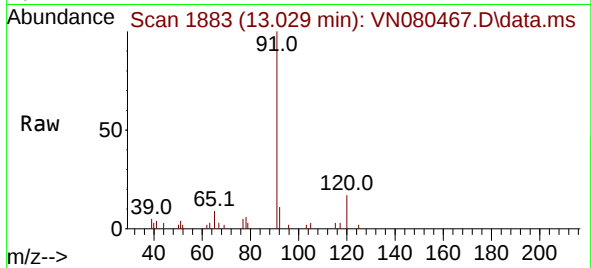




#78
n-propylbenzene
Concen: 0.762 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

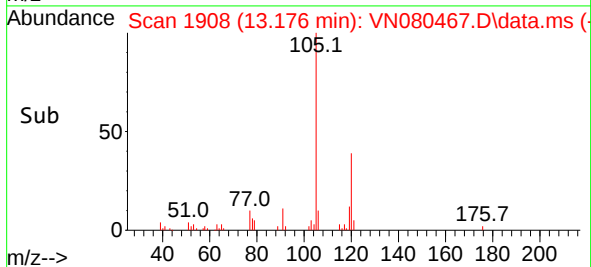
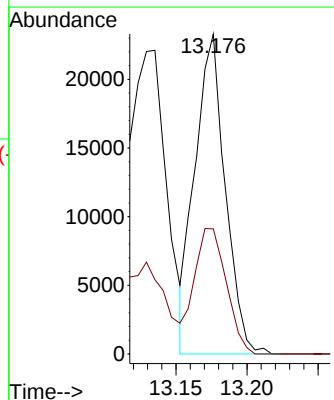
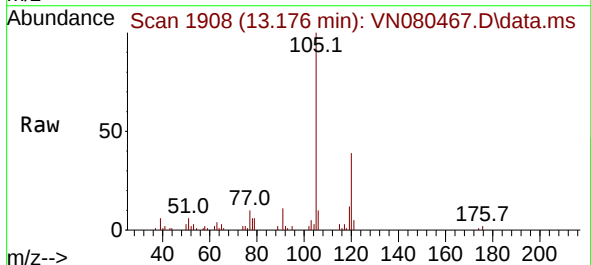
Instrument :
MSVOA_N
ClientSampleId :
597-A-J

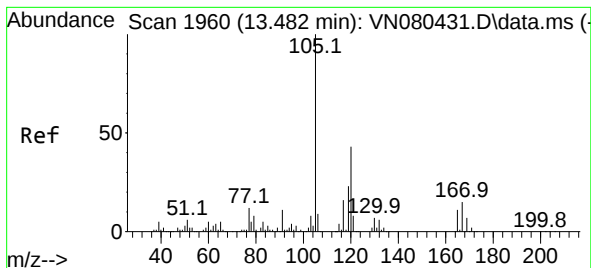
Tgt Ion: 91 Resp: 14947
Ion Ratio Lower Upper
91 100
120 25.5 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 2.246 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080467.D
Acq: 13 Dec 2023 17:16

Tgt Ion:105 Resp: 34399
Ion Ratio Lower Upper
105 100
120 41.8 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 5.053 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080467.D

Acq: 13 Dec 2023 17:16

Instrument :

MSVOA_N

ClientSampleId :

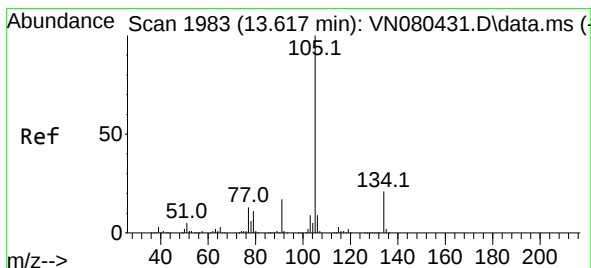
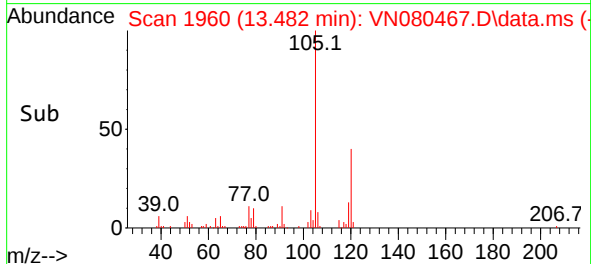
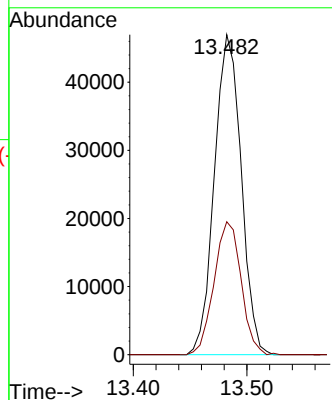
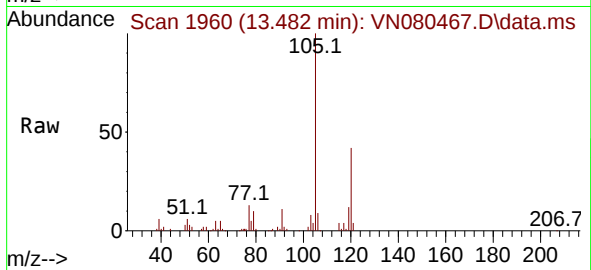
597-A-J

Tgt Ion:105 Resp: 77005

Ion Ratio Lower Upper

105 100

120 41.9 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.300 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN080467.D

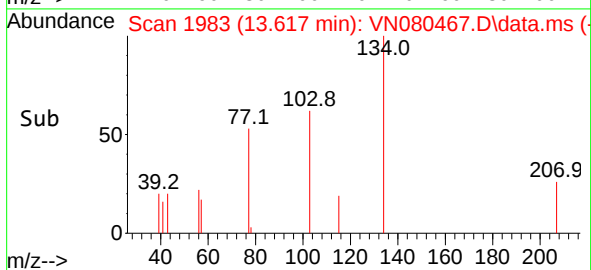
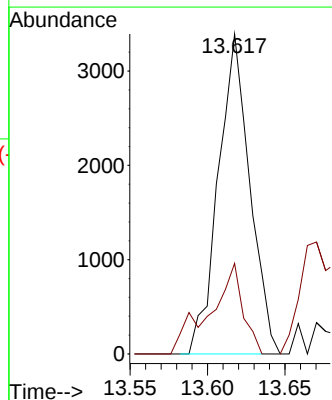
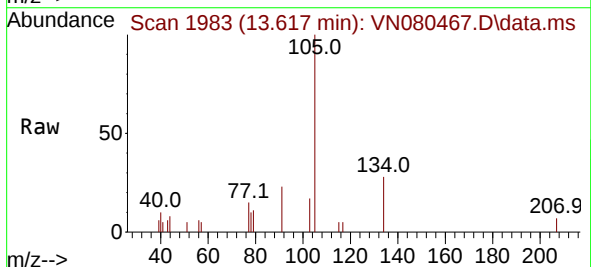
Acq: 13 Dec 2023 17:16

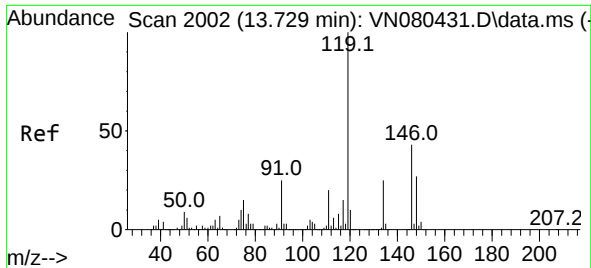
Tgt Ion:105 Resp: 4808

Ion Ratio Lower Upper

105 100

134 29.8 9.8 29.3#





#86
 p-Isopropyltoluene
 Concen: 0.617 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080467.D
 Acq: 13 Dec 2023 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 597-A-J

Tgt Ion:	119	Resp:	8947
Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	30.4	12.4	37.2

