

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082765.D
 Acq On : 01 Jul 2024 15:03
 Operator : JC\MD
 Sample : P3110-02
 Misc : 1.30g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 166

Quant Time: Jul 02 00:08:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

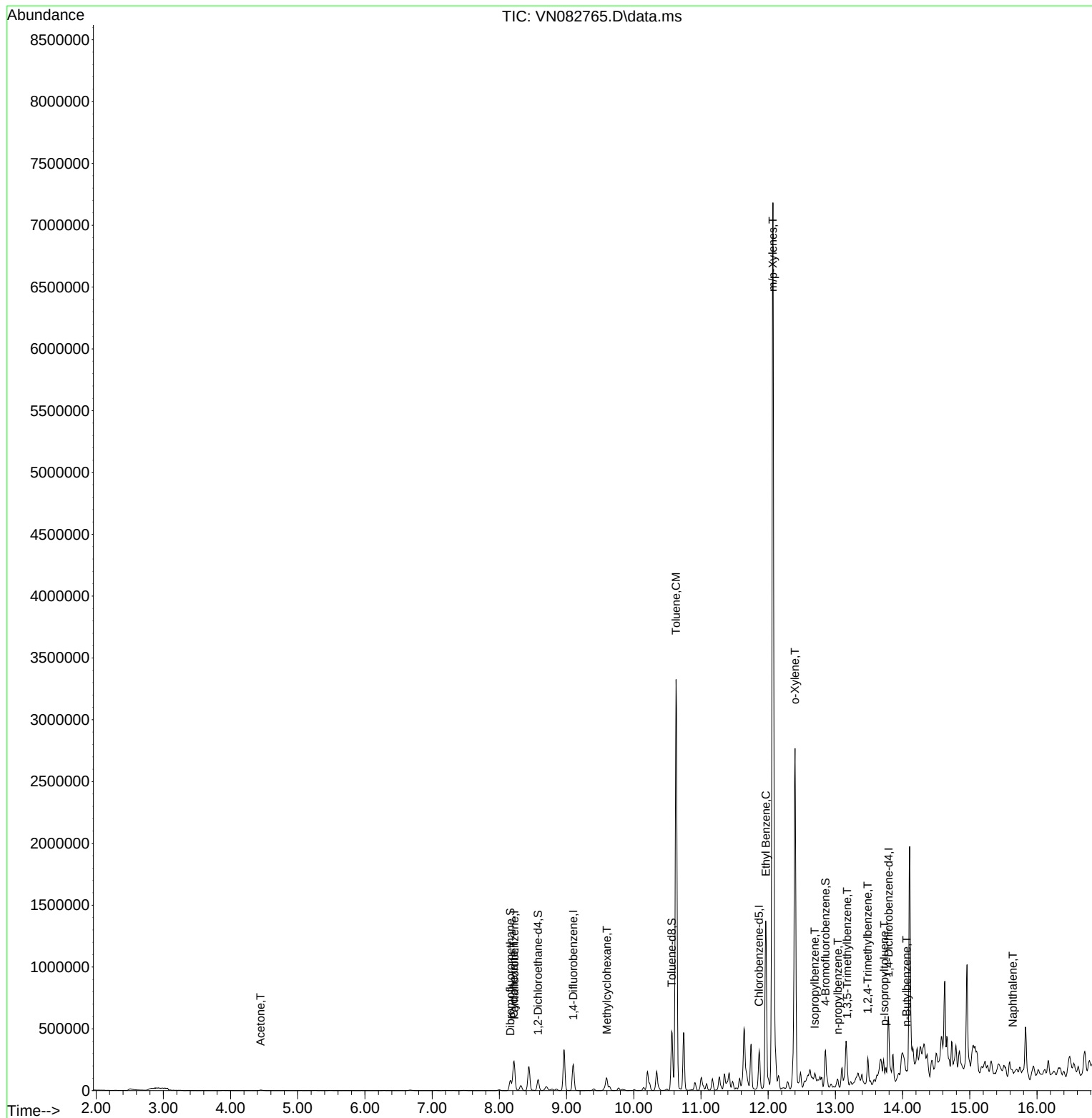
Internal Standards						
1) Pentafluorobenzene	8.224	168	98428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	185771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	180535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	70913	46.718	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.440%
35) Dibromofluoromethane	8.165	113	59358	48.530	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.060%
50) Toluene-d8	10.565	98	240531	52.585	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.160%
62) 4-Bromofluorobenzene	12.853	95	97085	61.804	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	123.600%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	10656	18.529	ug/l	99
31) Cyclohexane	8.212	56	24241	11.334	ug/l #	64
39) Methylcyclohexane	9.600	83	38449	21.065	ug/l	93
52) Toluene	10.629	92	1452675	428.955	ug/l	99
67) Ethyl Benzene	11.965	91	990916	148.263	ug/l	98
68) m/p-Xylenes	12.071	106	1886384	758.555	ug/l	96
69) o-Xylene	12.400	106	751811	313.698	ug/l	94
73) Isopropylbenzene	12.694	105	37164	4.859	ug/l	98
78) n-propylbenzene	13.035	91	42119	4.664	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	36802	5.858	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	131018	21.099	ug/l	98
86) p-Isopropyltoluene	13.729	119	9254	1.559	ug/l	95
89) n-Butylbenzene	14.059	91	16878	3.211	ug/l #	75
95) Naphthalene	15.641	128	25601	4.568	ug/l #	79

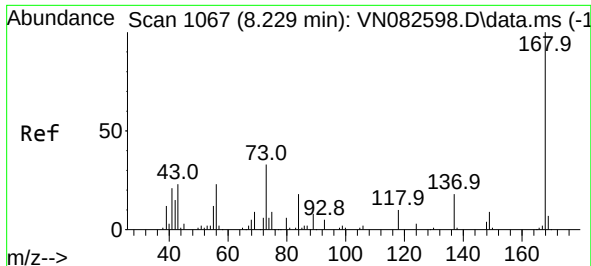
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

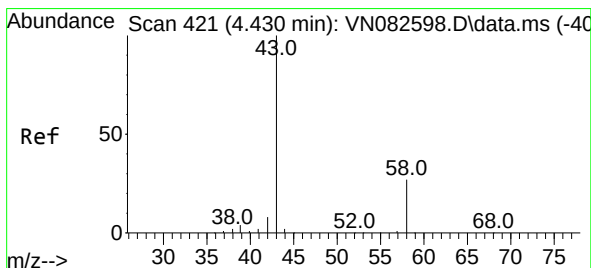
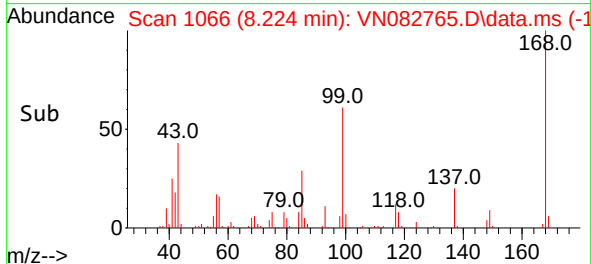
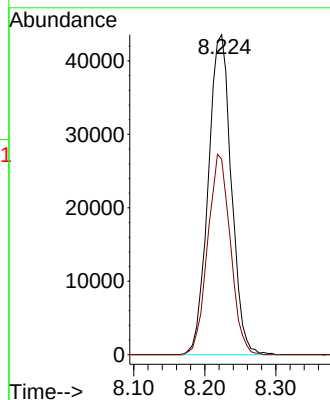
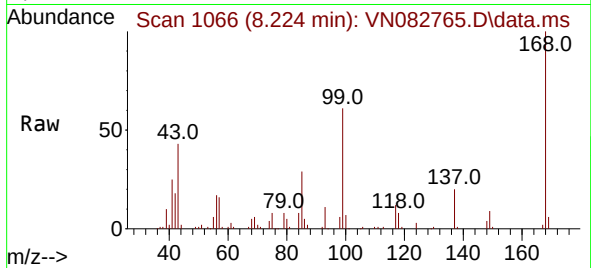




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

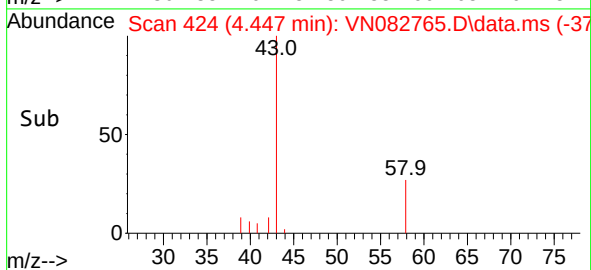
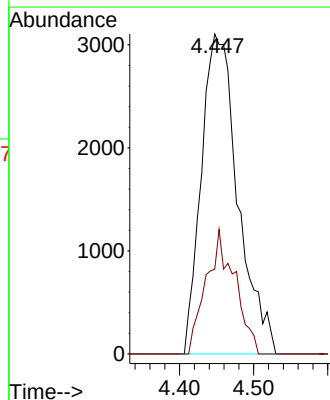
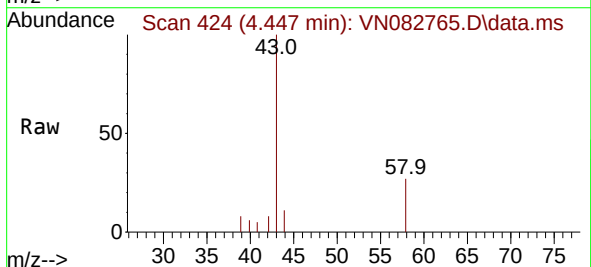
Instrument :
MSVOA_N
ClientSampleId :
166

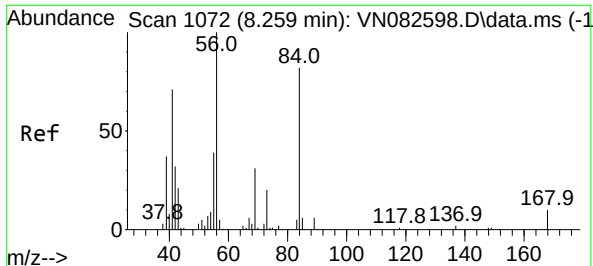
Tgt Ion:168 Resp: 98428
Ion Ratio Lower Upper
168 100
99 61.1 48.2 72.4



#16
Acetone
Concen: 18.529 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

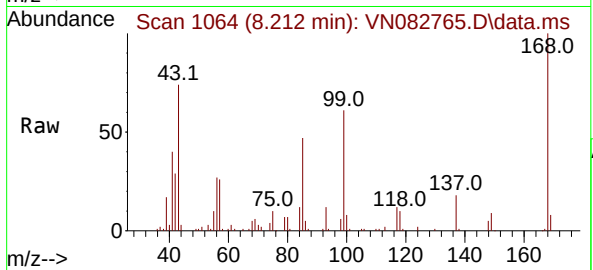
Tgt Ion: 43 Resp: 10656
Ion Ratio Lower Upper
43 100
58 26.5 21.8 32.6



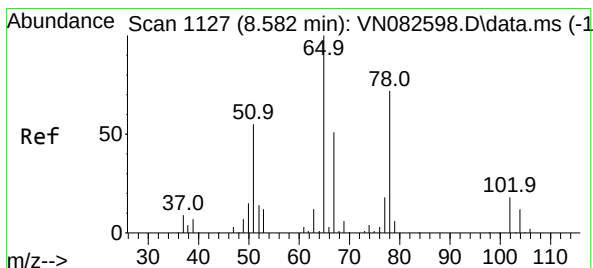
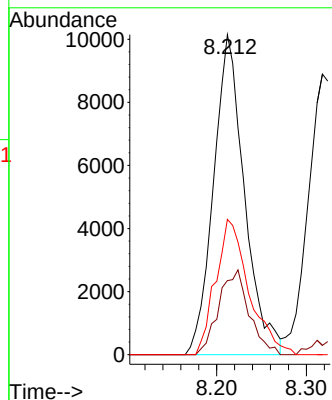
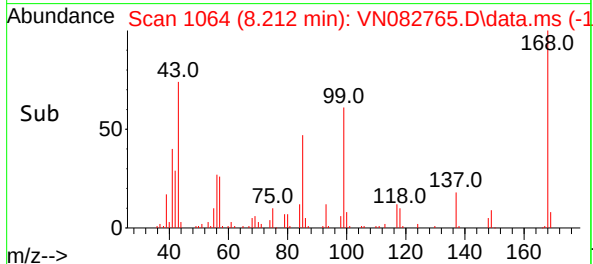


#31
Cyclohexane
Concen: 11.334 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.047 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

Instrument :
MSVOA_N
ClientSampleId :
166

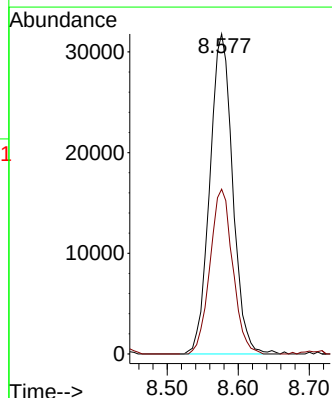
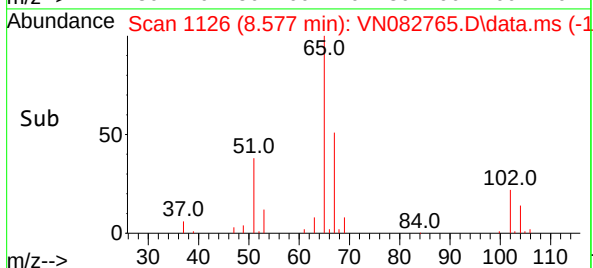
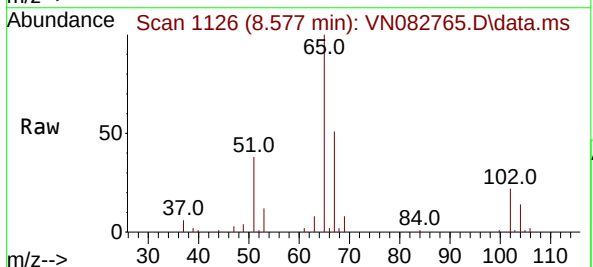


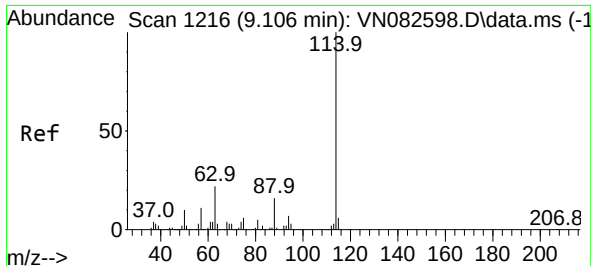
Tgt Ion: 56 Resp: 24241
Ion Ratio Lower Upper
56 100
69 23.1 24.5 36.7#
84 42.3 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 46.718 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

Tgt Ion: 65 Resp: 70913
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

166

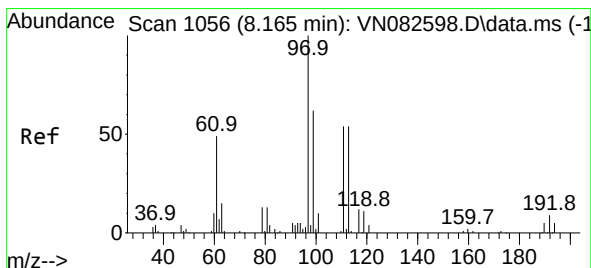
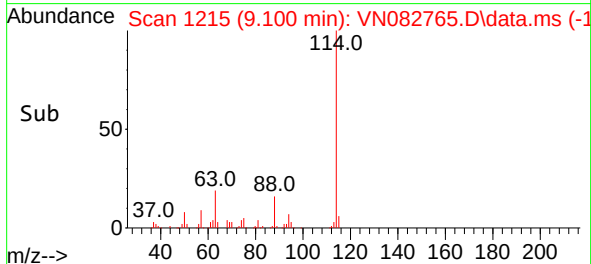
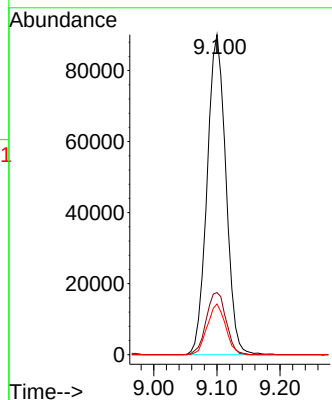
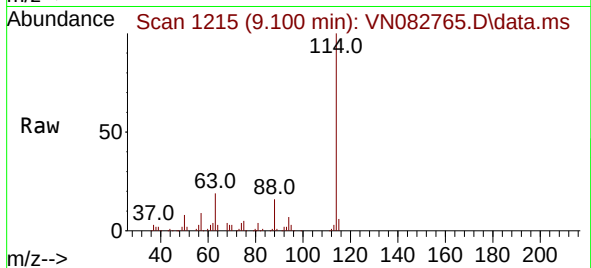
Tgt Ion:114 Resp: 185771

Ion Ratio Lower Upper

114 100

63 19.4 0.0 44.6

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.530 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

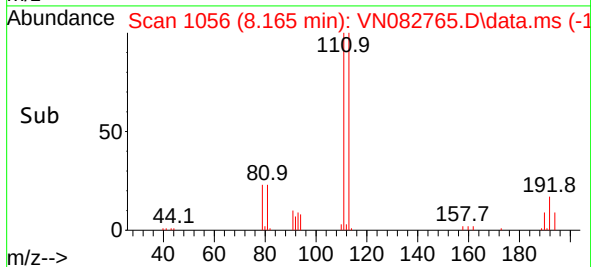
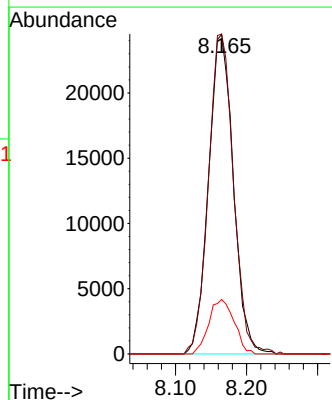
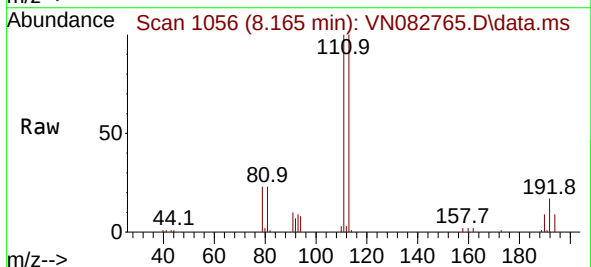
Tgt Ion:113 Resp: 59358

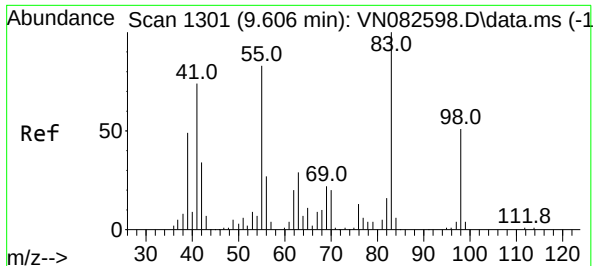
Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

192 17.4 14.9 22.3





#39

Methylcyclohexane

Concen: 21.065 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

166

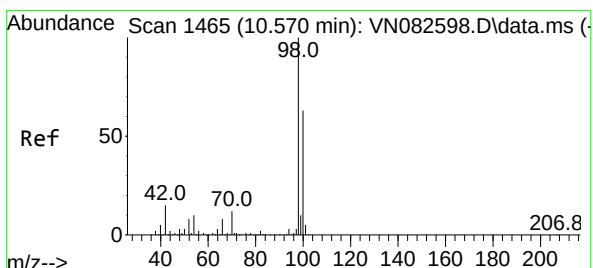
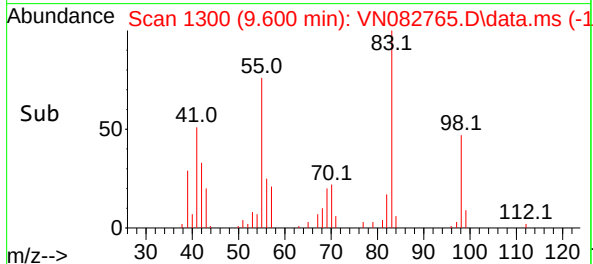
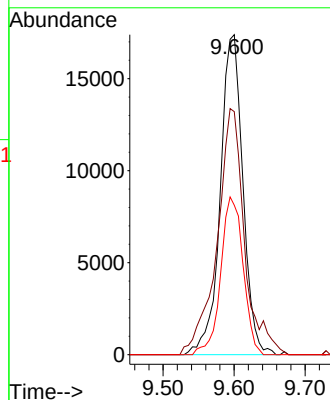
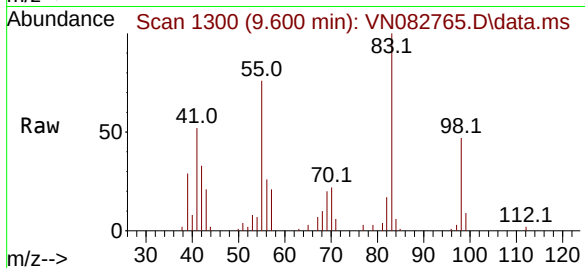
Tgt Ion: 83 Resp: 38449

Ion Ratio Lower Upper

83 100

55 75.9 66.4 99.6

98 46.7 40.7 61.1



#50

Toluene-d8

Concen: 52.585 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.005 min

Lab File: VN082765.D

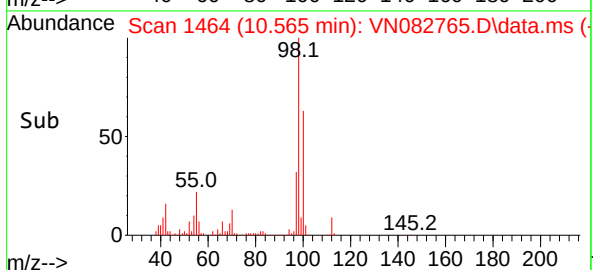
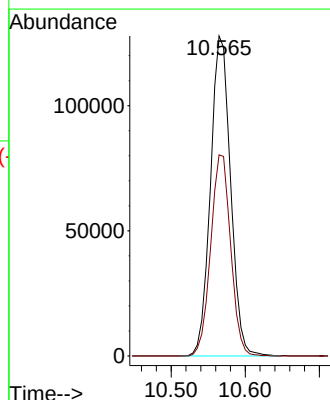
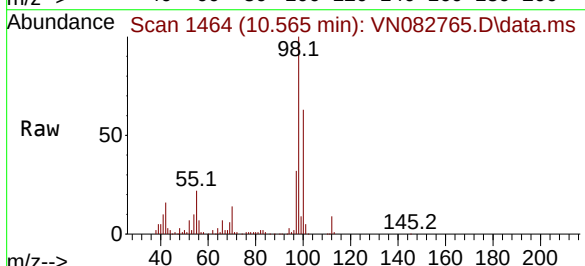
Acq: 01 Jul 2024 15:03

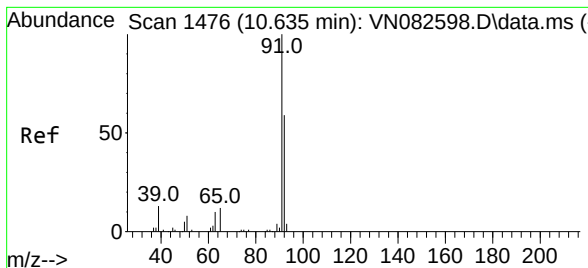
Tgt Ion: 98 Resp: 240531

Ion Ratio Lower Upper

98 100

100 62.6 51.5 77.3





#52

Toluene

Concen: 428.955 ug/l

RT: 10.629 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

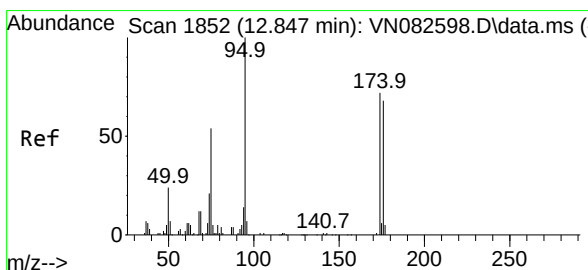
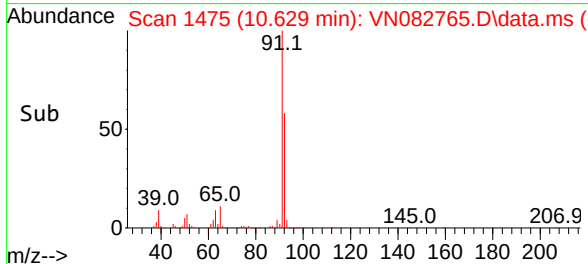
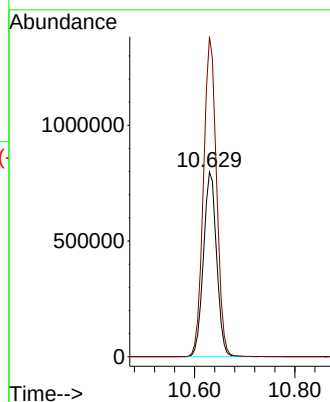
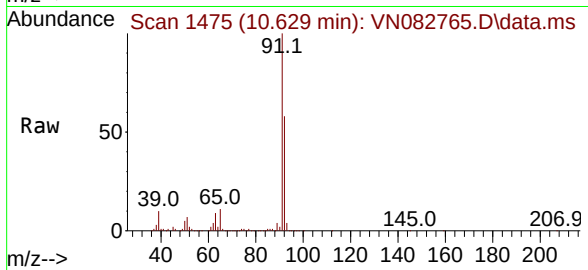
166

Tgt Ion: 92 Resp: 1452675

Ion Ratio Lower Upper

92 100

91 172.7 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 61.804 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

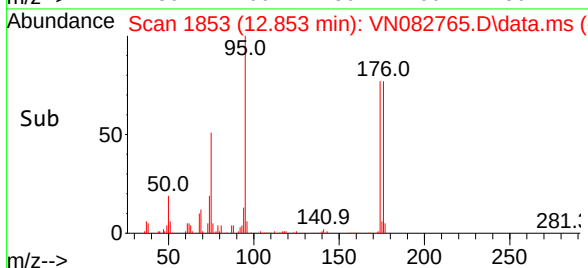
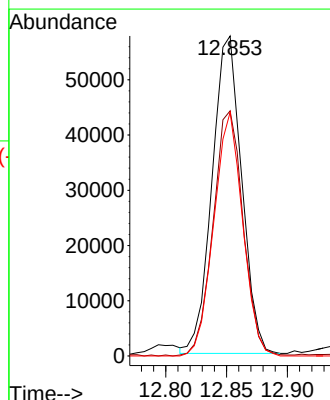
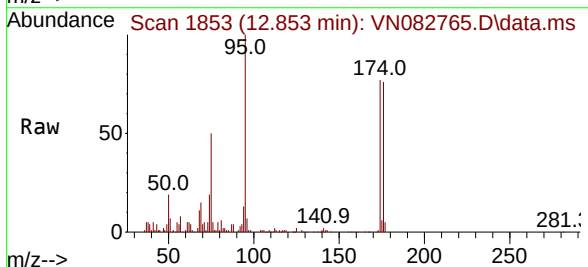
Tgt Ion: 95 Resp: 97085

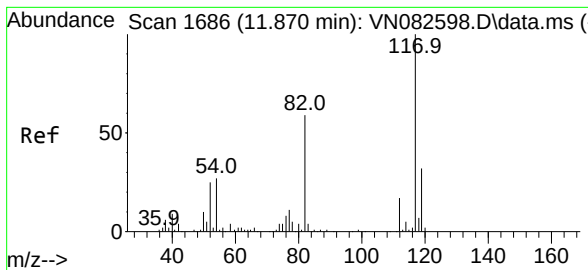
Ion Ratio Lower Upper

95 100

174 78.8 0.0 159.2

176 74.9 0.0 147.6

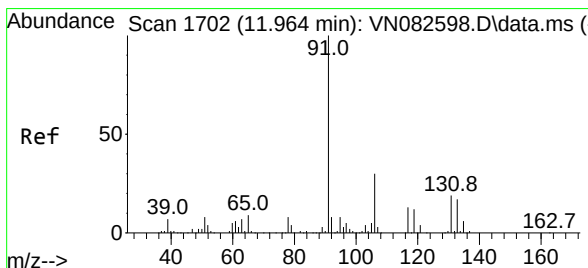
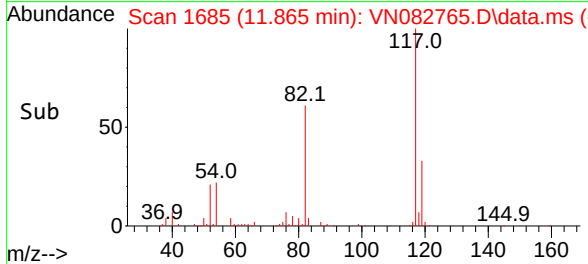
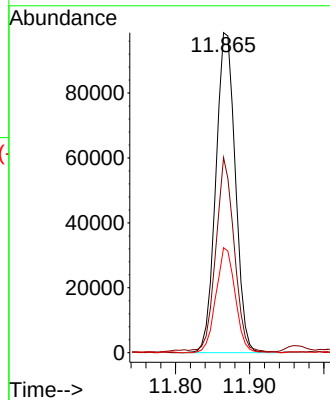
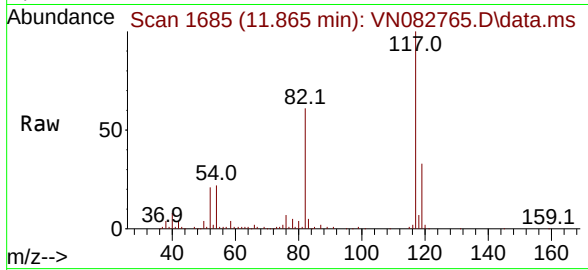




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1166
Delta R.T. -0.005 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

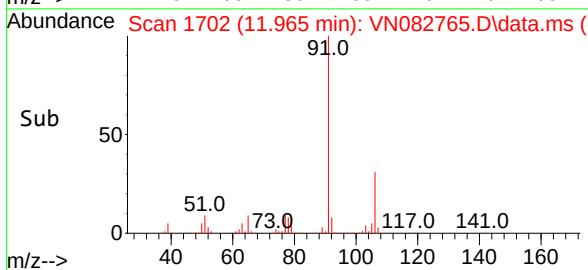
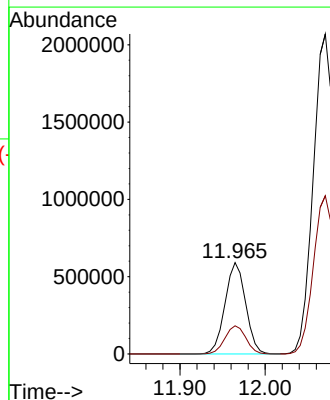
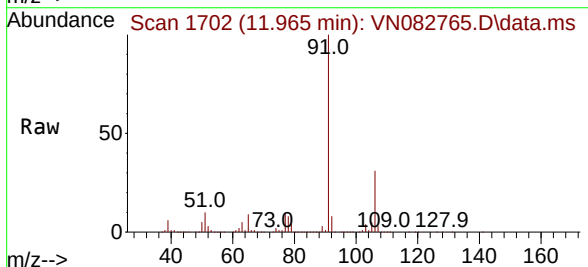
Instrument :
MSVOA_N
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166

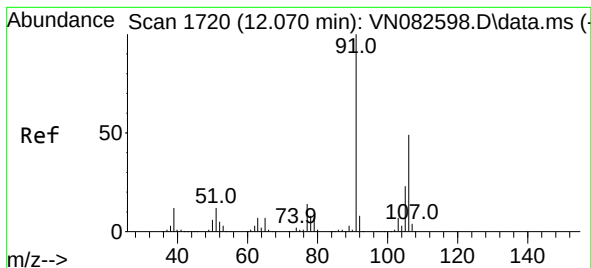
Tgt Ion:117 Resp: 180535
Ion Ratio Lower Upper
117 100
82 60.5 47.5 71.3
119 32.8 25.6 38.4



#67
Ethyl Benzene
Concen: 148.263 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.001 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

Tgt Ion: 91 Resp: 990916
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0





#68

m/p-Xylenes

Concen: 758.555 ug/l

RT: 12.071 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

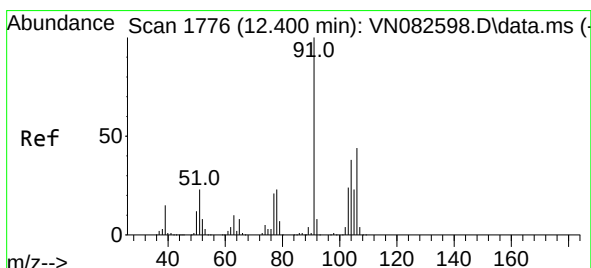
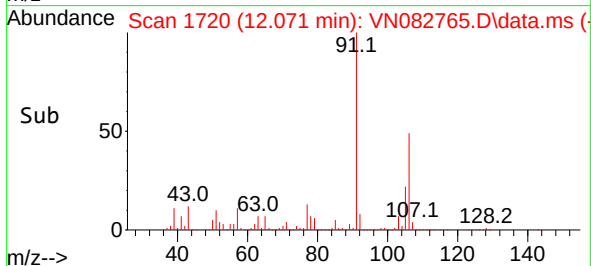
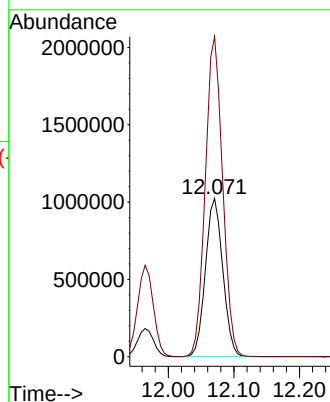
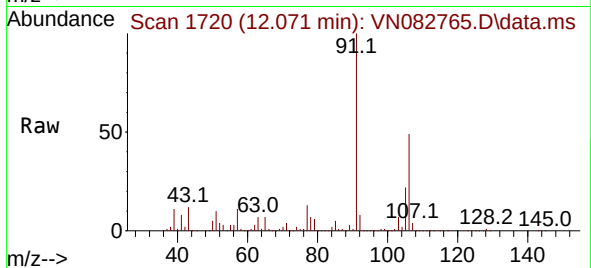
166

Tgt Ion:106 Resp: 1886384

Ion Ratio Lower Upper

106 100

91 201.9 166.1 249.1



#69

o-Xylene

Concen: 313.698 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN082765.D

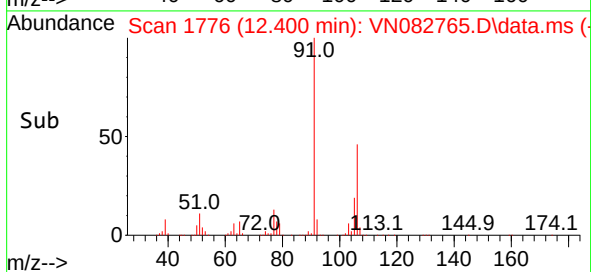
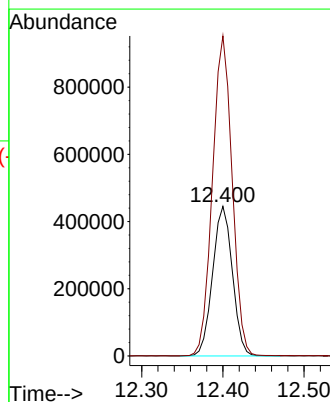
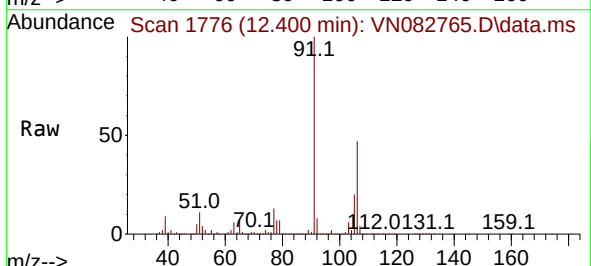
Acq: 01 Jul 2024 15:03

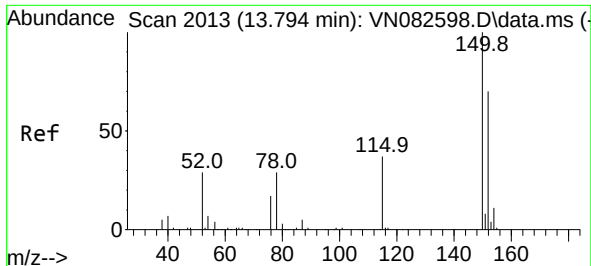
Tgt Ion:106 Resp: 751811

Ion Ratio Lower Upper

106 100

91 213.4 111.3 333.9

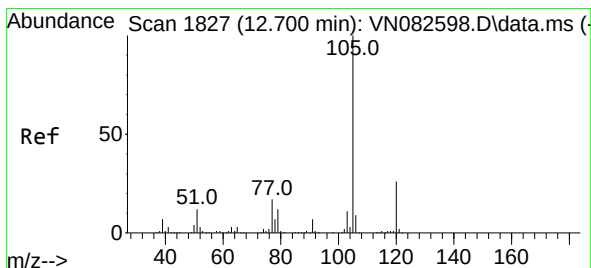
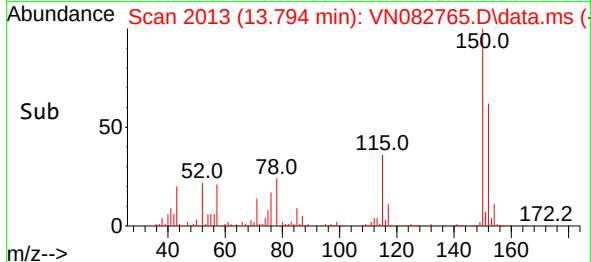
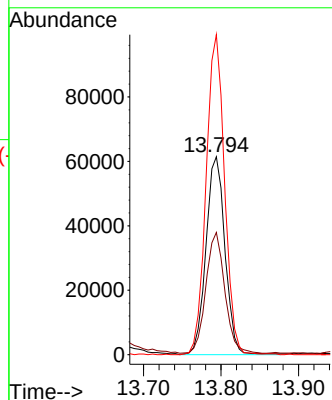
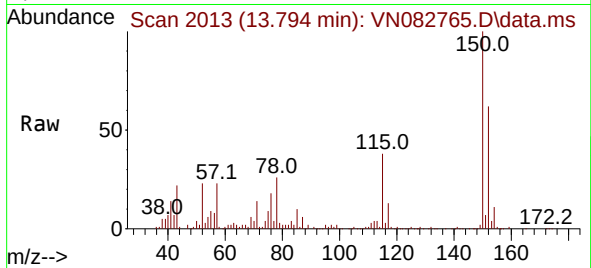




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

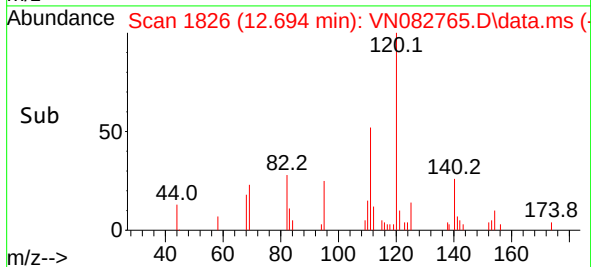
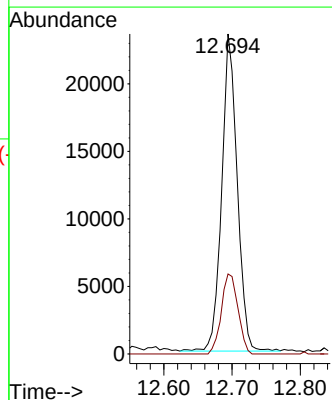
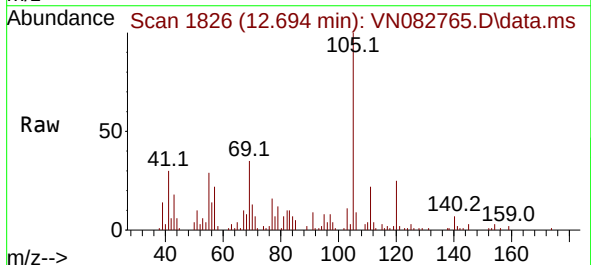
Instrument :
MSVOA_N
ClientSampleId :
166

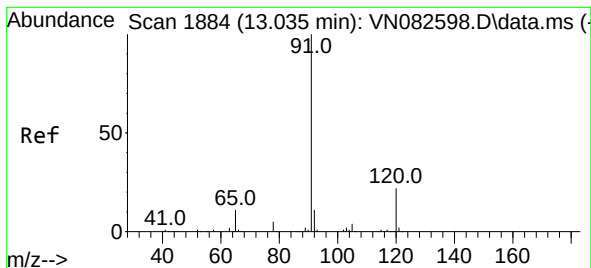
Tgt Ion:152 Resp: 104864
Ion Ratio Lower Upper
152 100
115 60.7 30.6 91.6
150 156.2 0.0 348.6



#73
Isopropylbenzene
Concen: 4.859 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

Tgt Ion:105 Resp: 37164
Ion Ratio Lower Upper
105 100
120 26.9 12.9 38.6





#78

n-propylbenzene

Concen: 4.664 ug/l

RT: 13.035 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

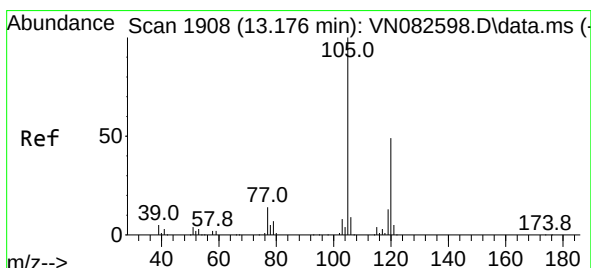
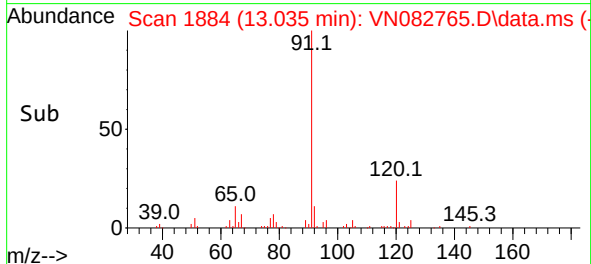
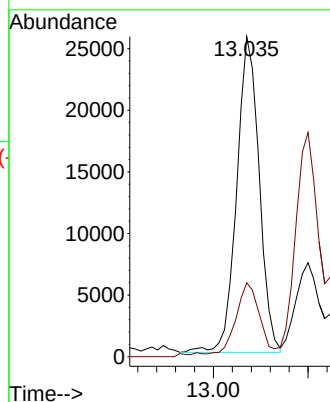
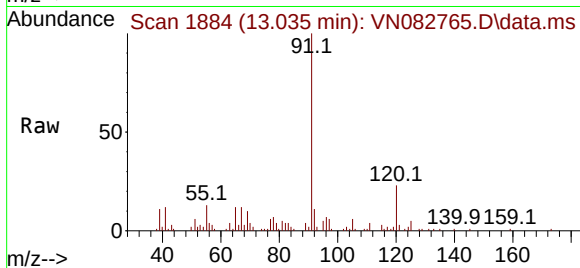
166

Tgt Ion: 91 Resp: 42119

Ion Ratio Lower Upper

91 100

120 22.7 10.9 32.9



#80

1,3,5-Trimethylbenzene

Concen: 5.858 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN082765.D

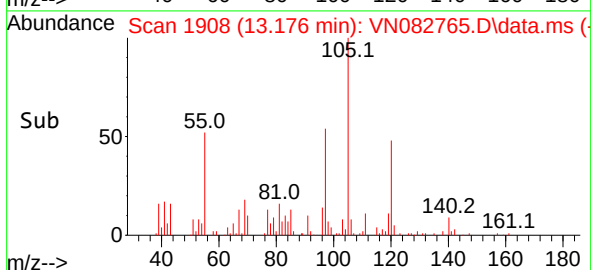
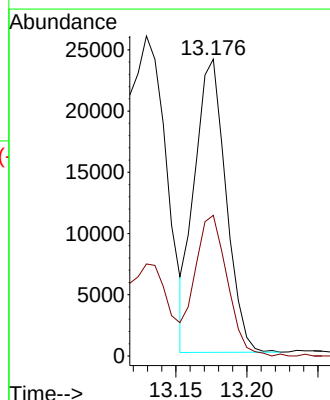
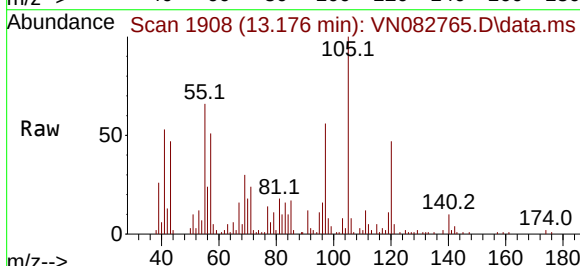
Acq: 01 Jul 2024 15:03

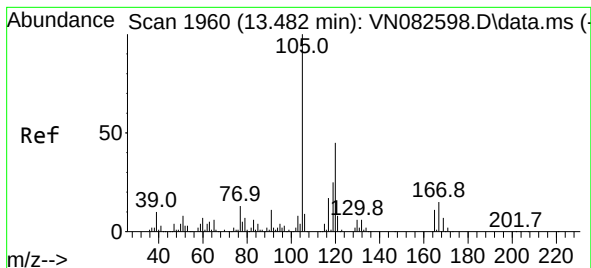
Tgt Ion: 105 Resp: 36802

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 21.099 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

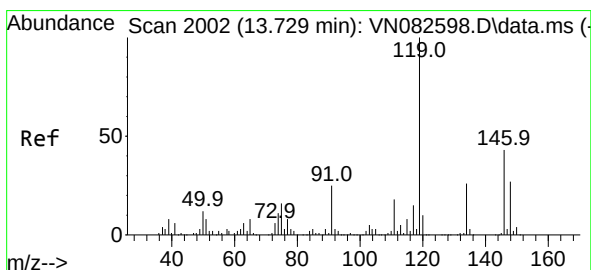
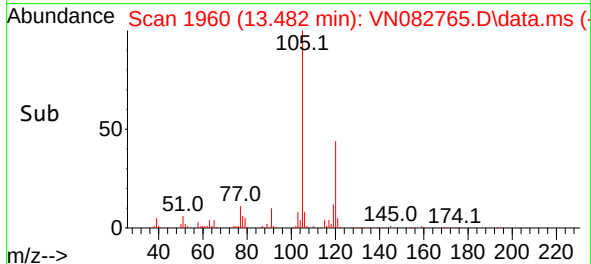
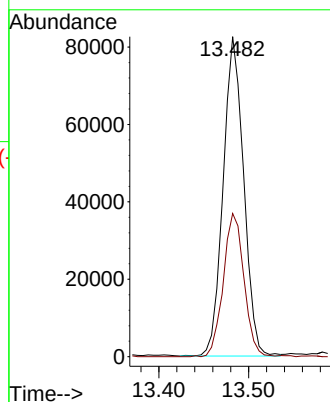
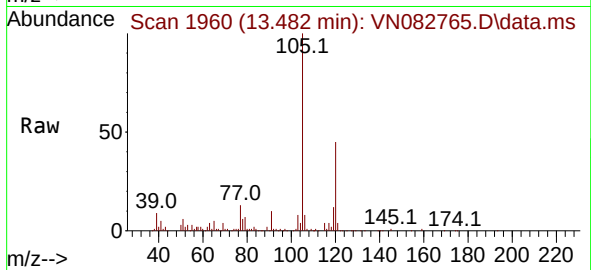
166

Tgt Ion:105 Resp: 131018

Ion Ratio Lower Upper

105 100

120 45.1 21.9 65.8



#86

p-Isopropyltoluene

Concen: 1.559 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN082765.D

Acq: 01 Jul 2024 15:03

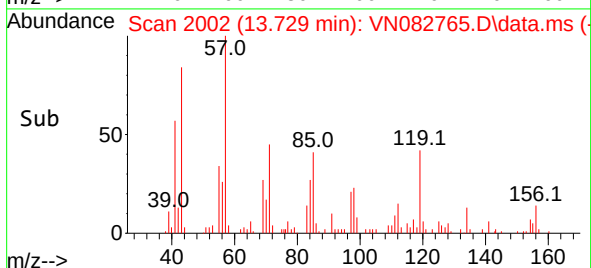
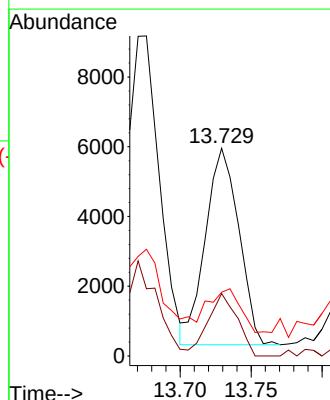
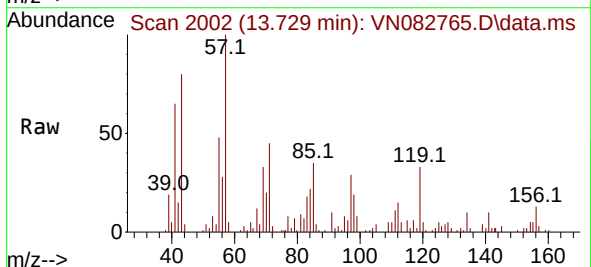
Tgt Ion:119 Resp: 9254

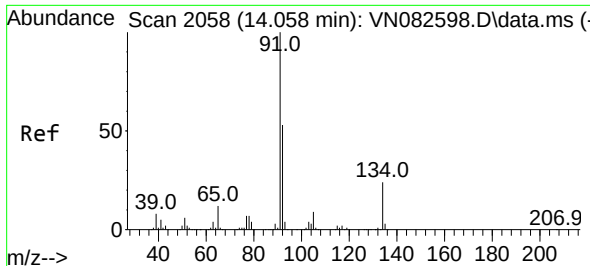
Ion Ratio Lower Upper

119 100

134 27.6 13.0 39.0

91 20.7 12.3 36.9

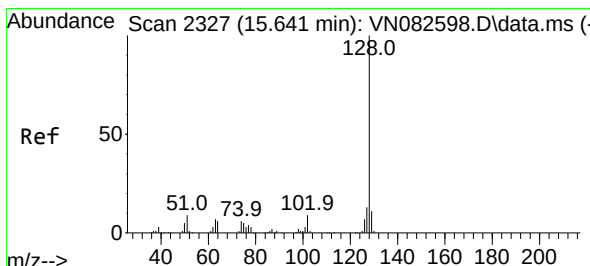
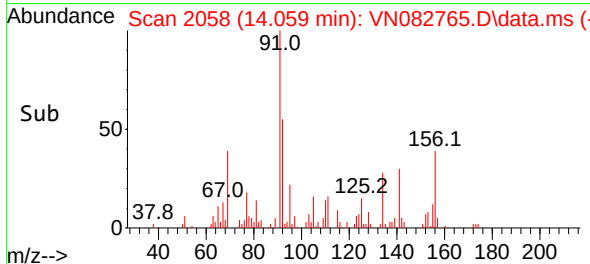
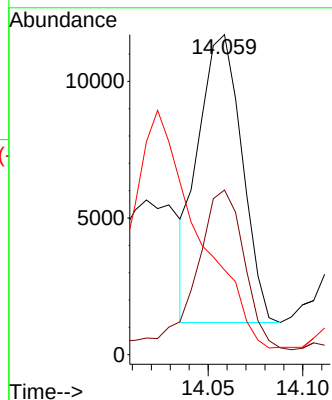
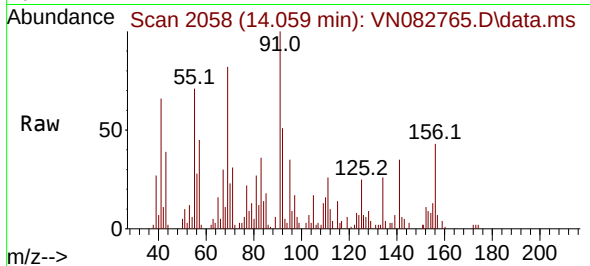




#89
n-Butylbenzene
Concen: 3.211 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.001 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

Instrument :
MSVOA_N
ClientSampleId :
166

Tgt Ion: 91 Resp: 16878
Ion Ratio Lower Upper
91 100
92 61.6 26.1 78.3
134 0.0 12.1 36.3#



#95
Naphthalene
Concen: 4.568 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082765.D
Acq: 01 Jul 2024 15:03

Tgt Ion:128 Resp: 25601
Ion Ratio Lower Upper
128 100
127 19.3 10.6 16.0#
129 21.2 8.6 12.8#

