

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071624\
 Data File : VN082934.D
 Acq On : 16 Jul 2024 14:26
 Operator : JC\MD
 Sample : P3251-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

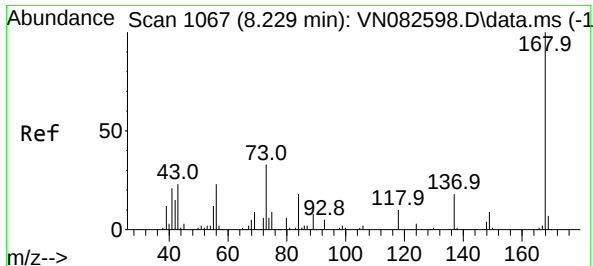
Instrument :
 MSVOA_N
 ClientSampleId :
 50387

Quant Time: Jul 17 00:55:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	84437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	157513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	159133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	74553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	62633	52.916	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.840%	
35) Dibromofluoromethane	8.171	113	51537	50.990	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.980%	
50) Toluene-d8	10.571	98	191671	51.344	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.680%	
62) 4-Bromofluorobenzene	12.853	95	66146	49.328	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 98.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	4786	24.041	ug/l #	74
16) Acetone	4.436	43	117158	281.138	ug/l	97
18) Methyl Acetate	5.030	43	3500	3.174	ug/l #	68
19) Methyl tert-butyl Ether	5.800	73	31121	10.467	ug/l	98
25) 2-Butanone	7.489	43	35669	56.686	ug/l #	90
37) Ethyl Acetate	7.565	43	452084	318.653	ug/l #	94
40) Benzene	8.606	78	163096	38.049	ug/l	98
52) Toluene	10.635	92	146657	54.771	ug/l	100
59) 2-Hexanone	11.206	43	4451	4.256	ug/l	74
67) Ethyl Benzene	11.965	91	19569	3.415	ug/l	92
68) m/p-Xylenes	12.071	106	39894	18.438	ug/l	99
69) o-Xylene	12.400	106	37407	18.043	ug/l	97
73) Isopropylbenzene	12.700	105	7580	1.399	ug/l	99
78) n-propylbenzene	13.041	91	23236	3.730	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	50285	11.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	126738	28.396	ug/l	99
85) sec-Butylbenzene	13.618	105	7890	1.504	ug/l	92
86) p-Isopropyltoluene	13.729	119	6097	1.393	ug/l	96
89) n-Butylbenzene	14.065	91	8793	2.345	ug/l #	83
95) Naphthalene	15.647	128	32758	7.243	ug/l	98

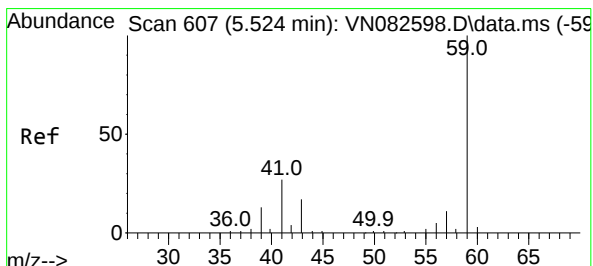
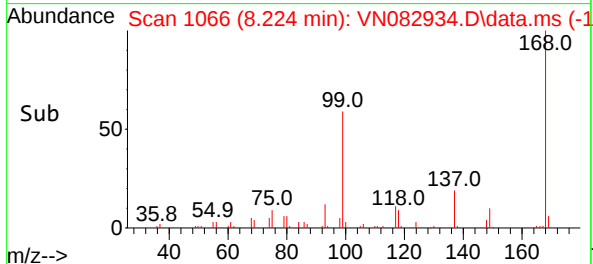
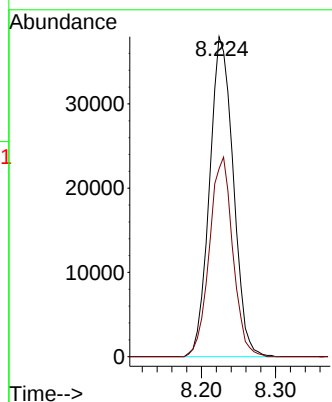
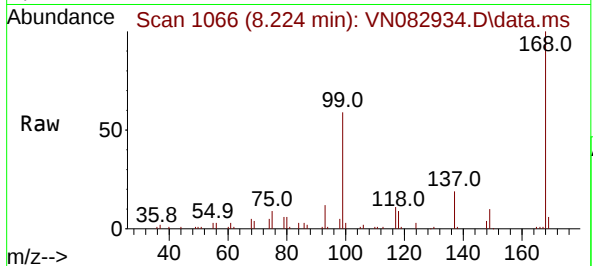
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

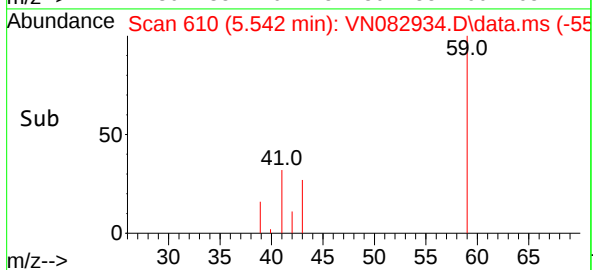
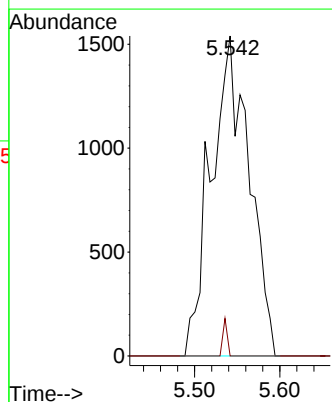
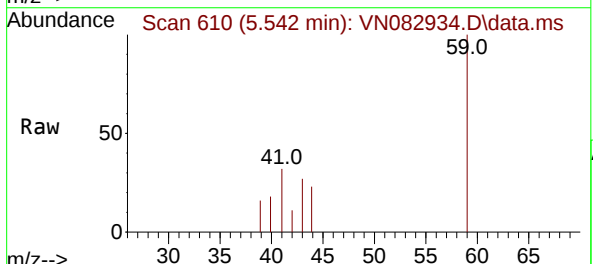
Instrument :
MSVOA_N
ClientSampleId :
50387

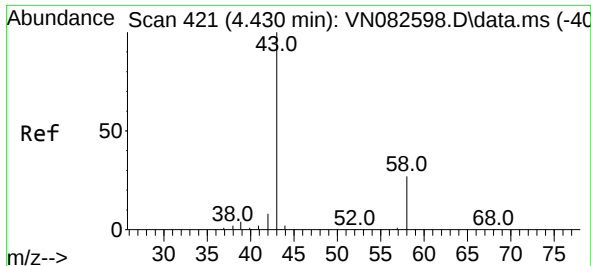
Tgt Ion:168 Resp: 84437
Ion Ratio Lower Upper
168 100
99 58.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 24.041 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion: 59 Resp: 4786
Ion Ratio Lower Upper
59 100
57 1.3 8.9 13.3#

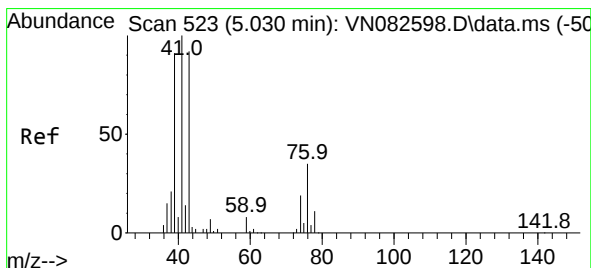
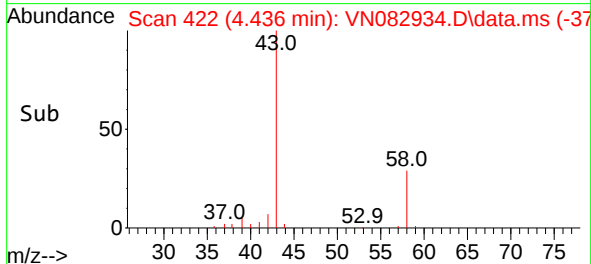
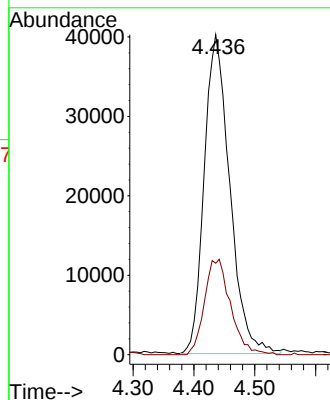
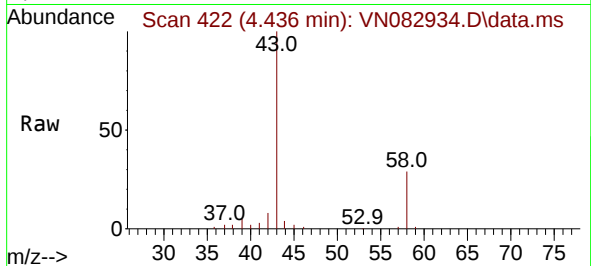




#16
Acetone
Concen: 281.138 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

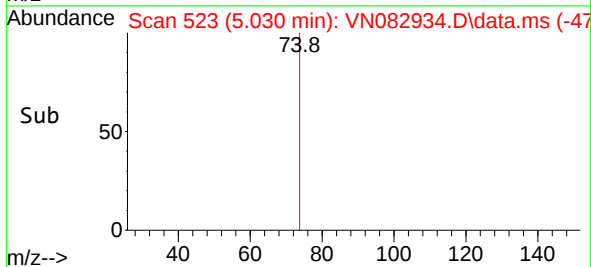
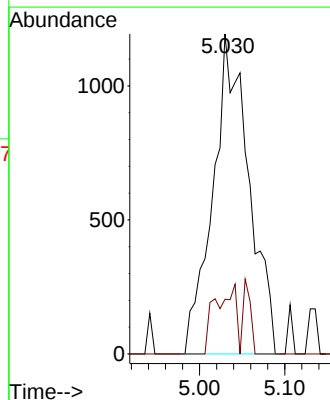
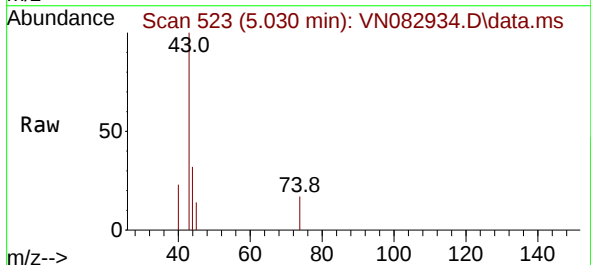
Instrument :
MSVOA_N
ClientSampleId :
50387

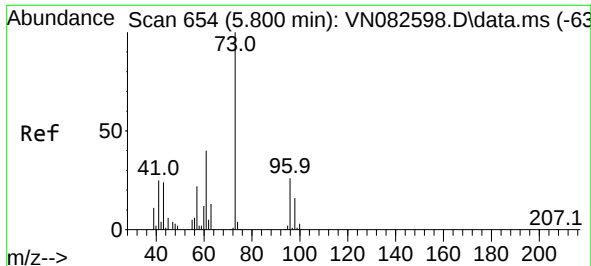
Tgt Ion: 43 Resp: 117158
Ion Ratio Lower Upper
43 100
58 28.7 21.8 32.6



#18
Methyl Acetate
Concen: 3.174 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
74 5.7 16.3 24.5#





#19

Methyl tert-butyl Ether

Concen: 10.467 ug/l

RT: 5.800 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN082934.D

Acq: 16 Jul 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

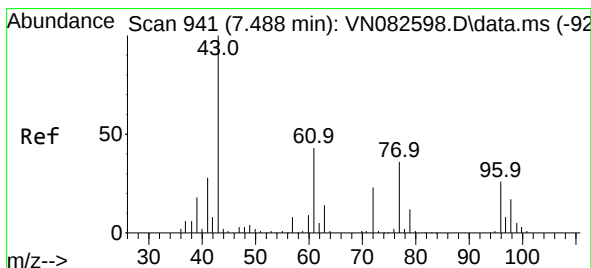
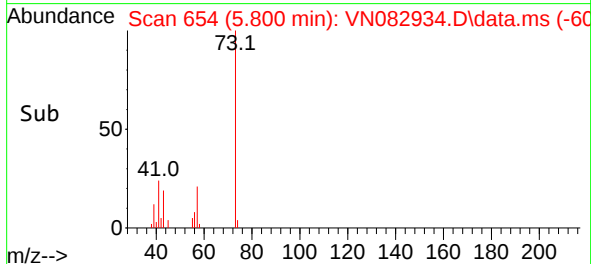
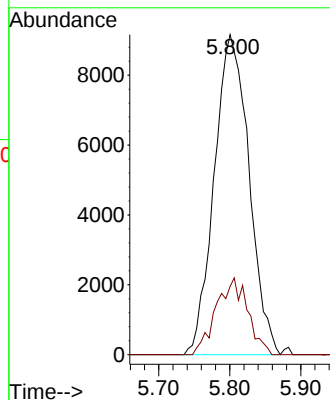
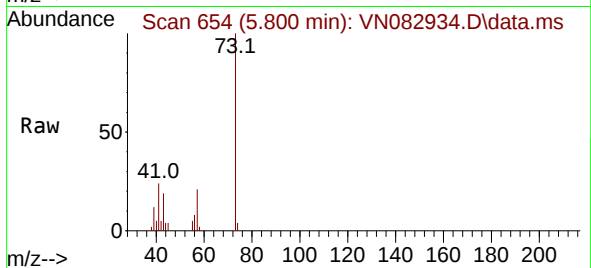
50387

Tgt Ion: 73 Resp: 31121

Ion Ratio Lower Upper

73 100

57 21.4 17.9 26.9



#25

2-Butanone

Concen: 56.686 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN082934.D

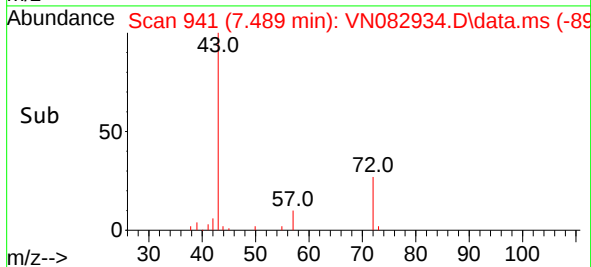
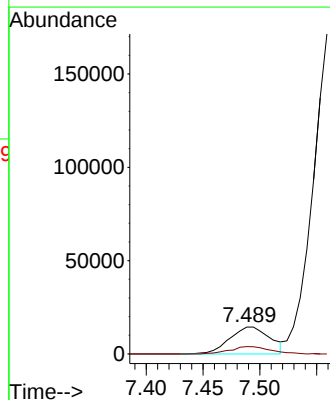
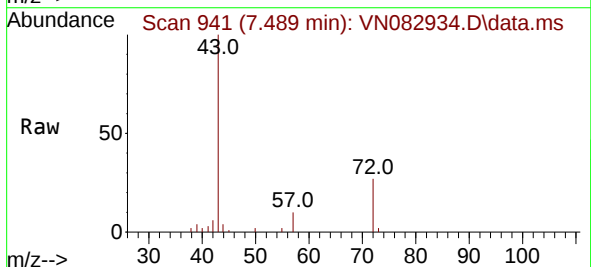
Acq: 16 Jul 2024 14:26

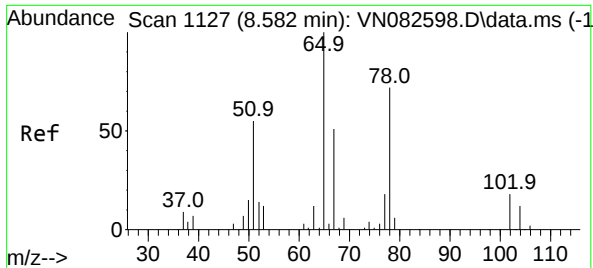
Tgt Ion: 43 Resp: 35669

Ion Ratio Lower Upper

43 100

72 27.3 18.2 27.2#





#33

1,2-Dichloroethane-d4

Concen: 52.916 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN082934.D

Acq: 16 Jul 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

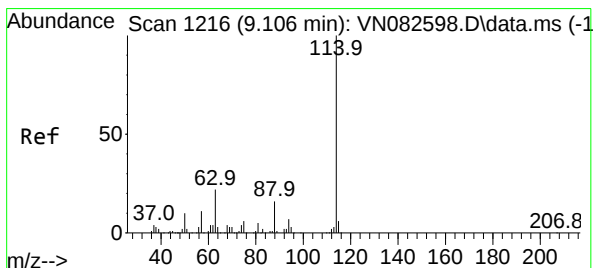
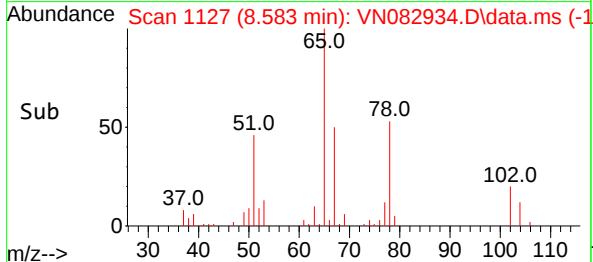
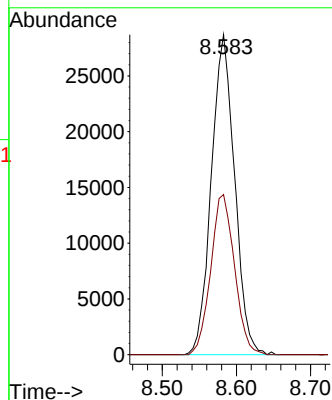
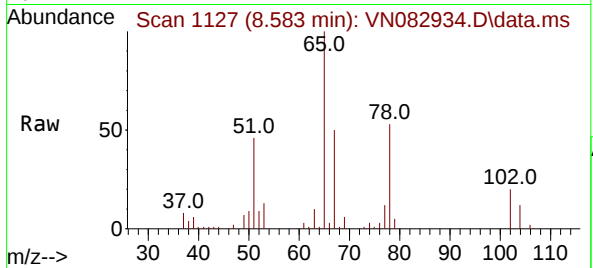
50387

Tgt Ion: 65 Resp: 62633

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082934.D

Acq: 16 Jul 2024 14:26

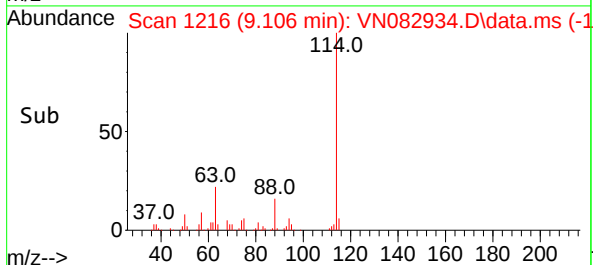
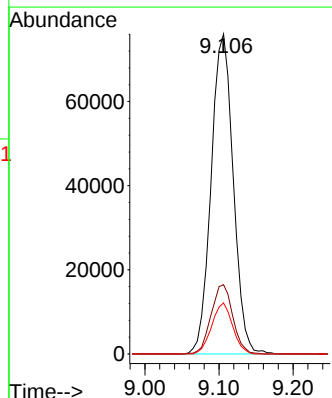
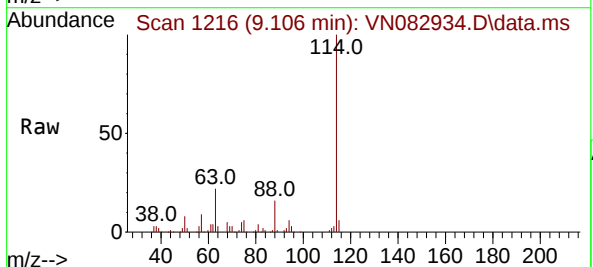
Tgt Ion: 114 Resp: 157513

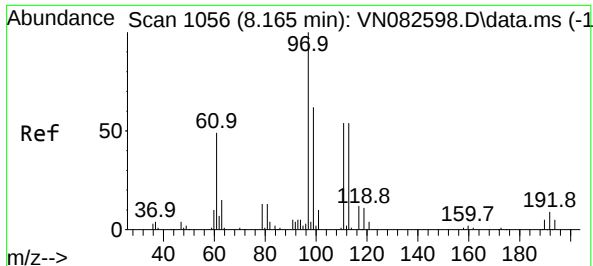
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.990 ug/l

RT: 8.171 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN082934.D

Acq: 16 Jul 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

50387

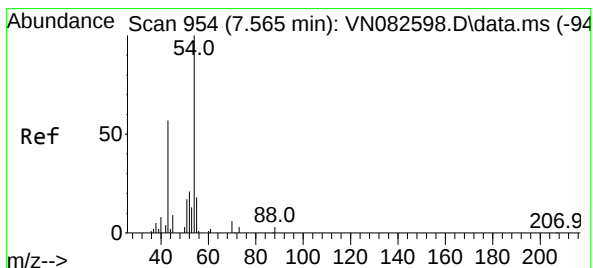
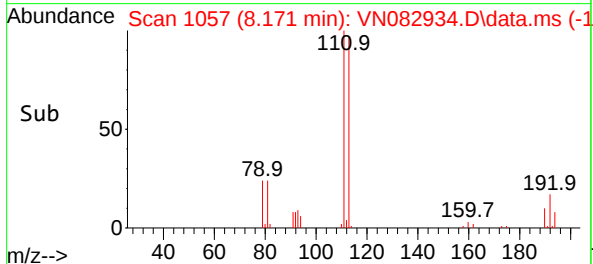
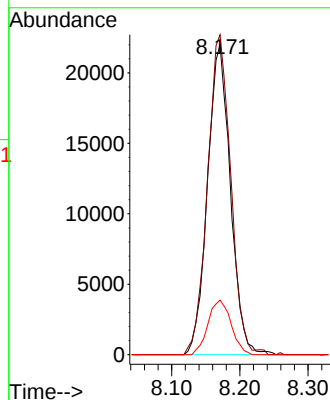
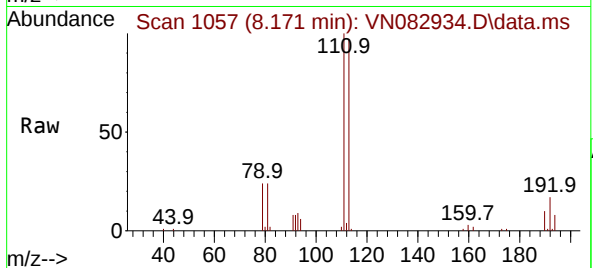
Tgt Ion:113 Resp: 51537

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

192 17.7 14.9 22.3



#37

Ethyl Acetate

Concen: 318.653 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.000 min

Lab File: VN082934.D

Acq: 16 Jul 2024 14:26

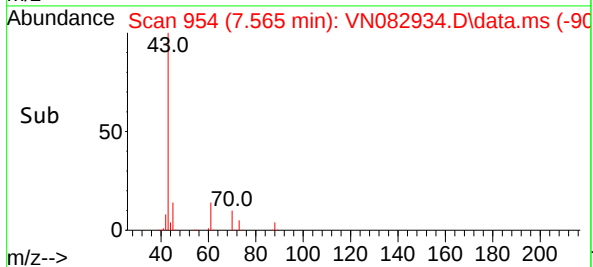
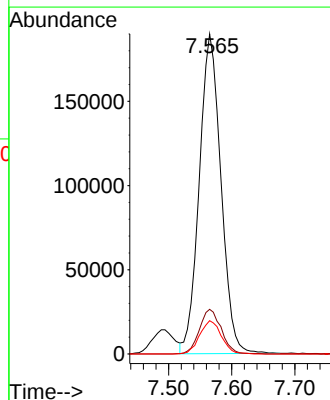
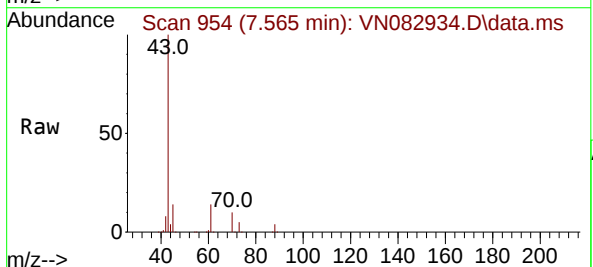
Tgt Ion: 43 Resp: 452084

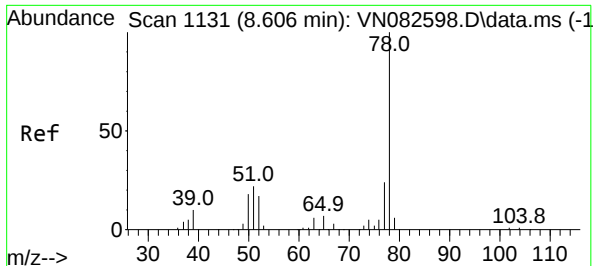
Ion Ratio Lower Upper

43 100

61 14.1 9.3 13.9#

70 10.4 7.0 10.6

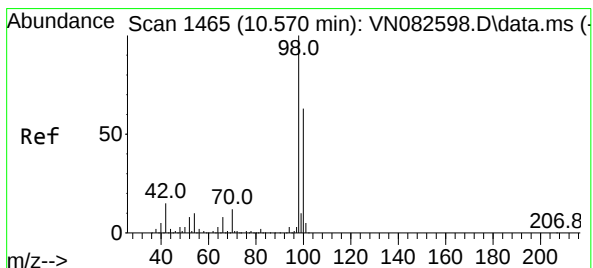
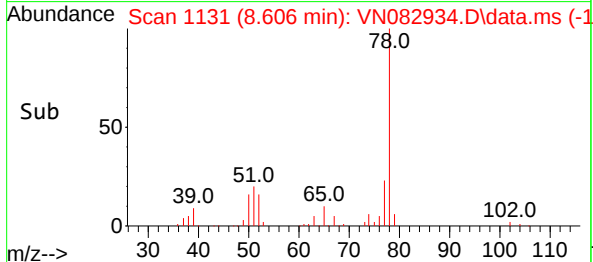
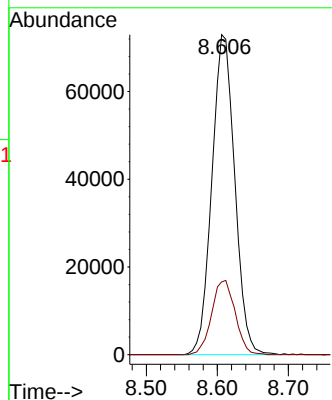
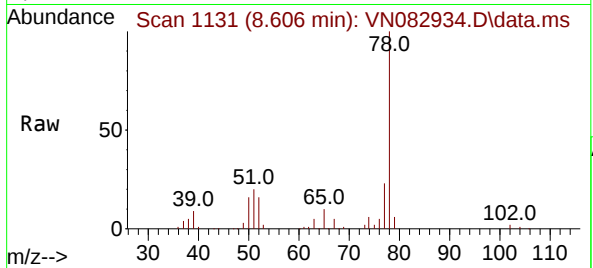




#40
Benzene
Concen: 38.049 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

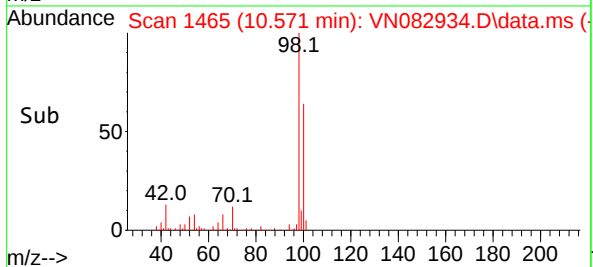
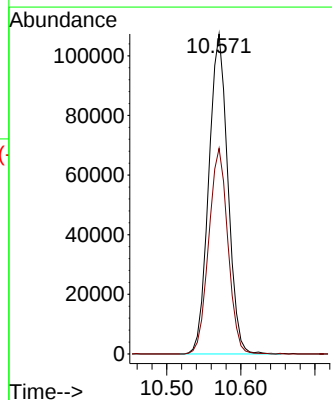
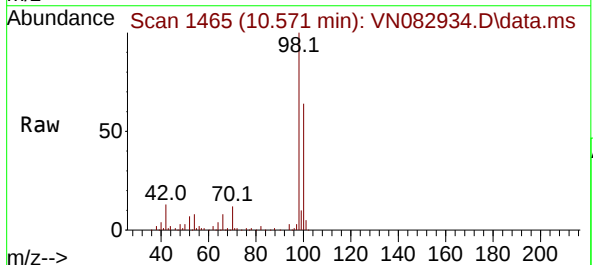
Instrument :
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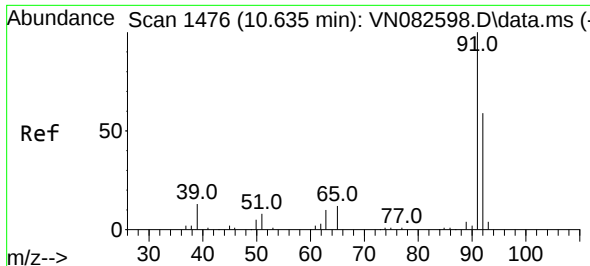
Tgt Ion: 78 Resp: 163096
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4



#50
Toluene-d8
Concen: 51.344 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion: 98 Resp: 191671
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

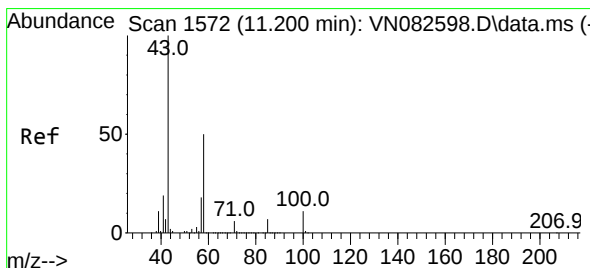
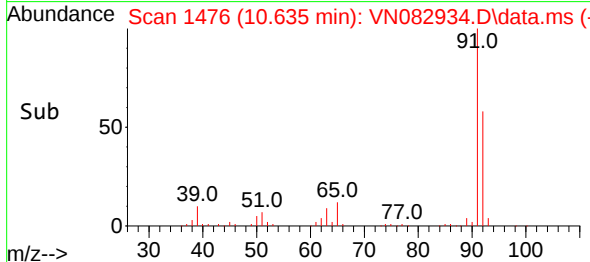
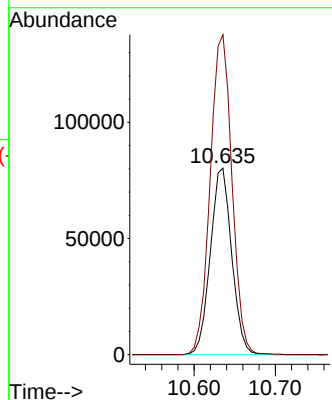
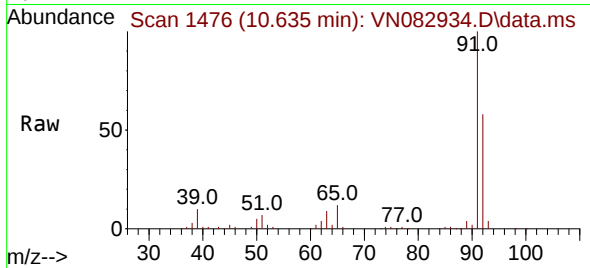




#52
Toluene
Concen: 54.771 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

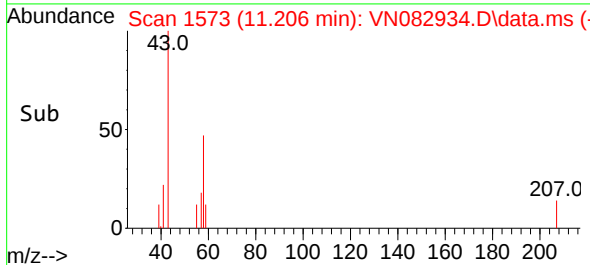
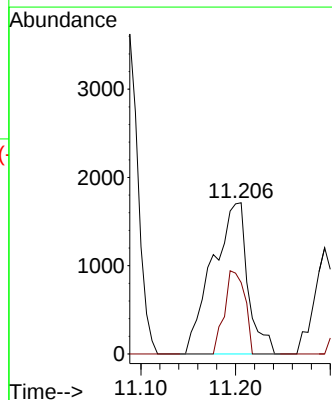
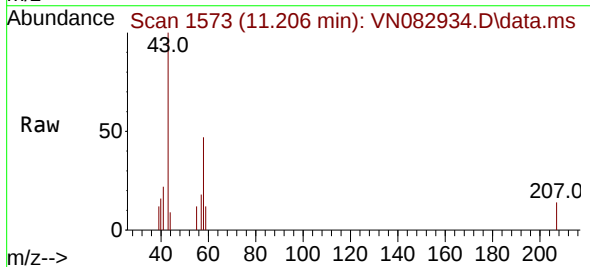
Instrument :
MSVOA_N
ClientSampleId :
50387

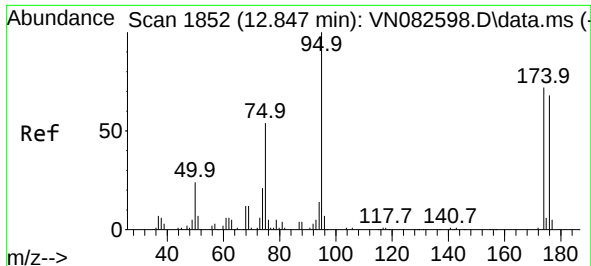
Tgt Ion: 92 Resp: 146657
Ion Ratio Lower Upper
92 100
91 174.9 139.4 209.0



#59
2-Hexanone
Concen: 4.256 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion: 43 Resp: 4451
Ion Ratio Lower Upper
43 100
58 31.5 24.6 73.8

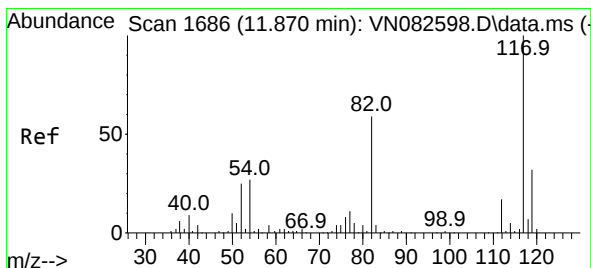
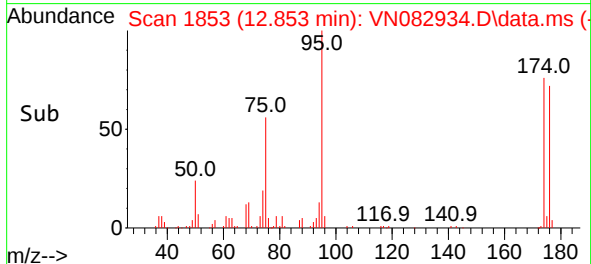
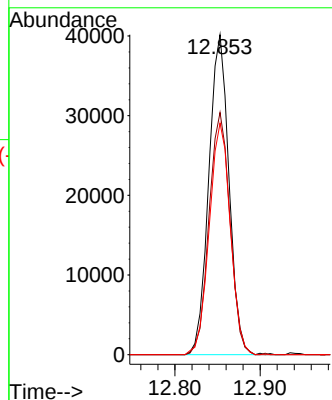
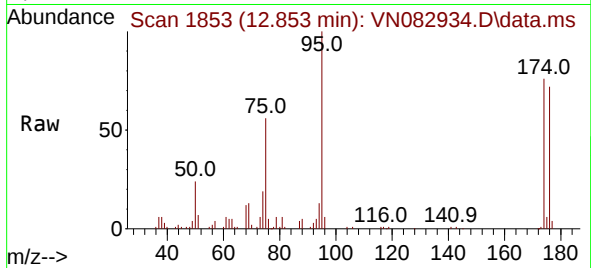




#62
4-Bromofluorobenzene
Concen: 49.328 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

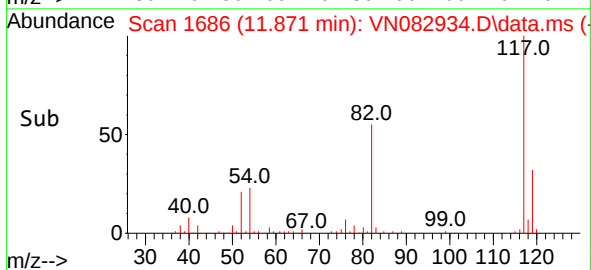
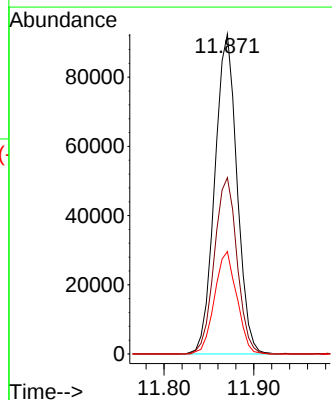
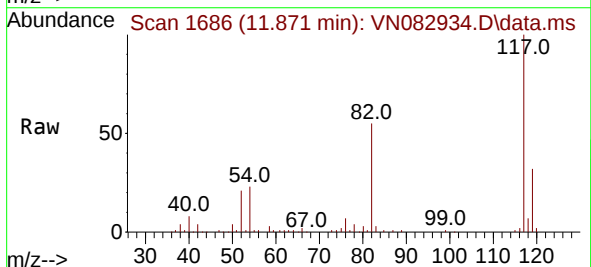
Instrument :
MSVOA_N
ClientSampleId :
50387

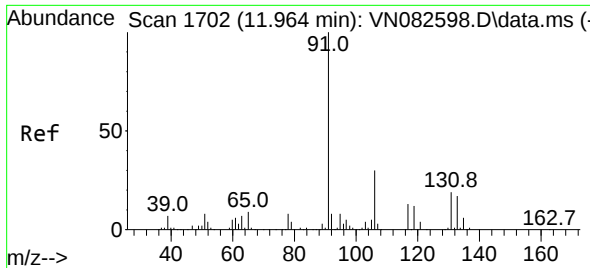
Tgt Ion: 95 Resp: 66146
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.2
176 75.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion: 117 Resp: 159133
Ion Ratio Lower Upper
117 100
82 55.1 47.5 71.3
119 32.0 25.6 38.4

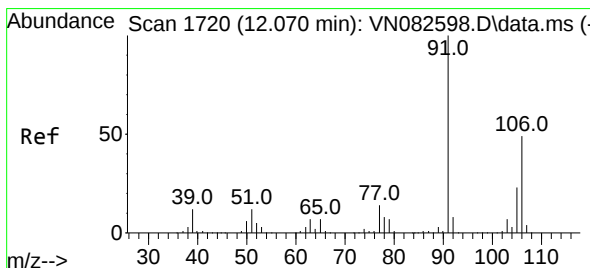
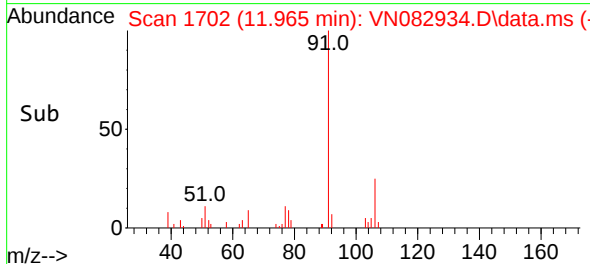
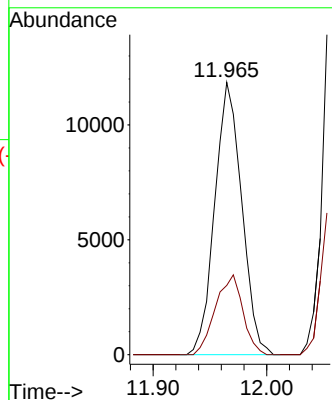
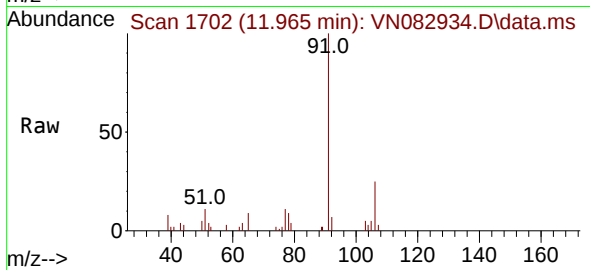




#67
Ethyl Benzene
Concen: 3.415 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.001 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

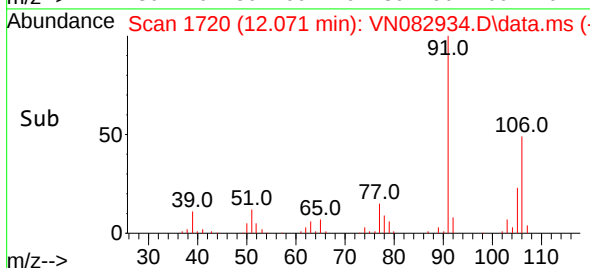
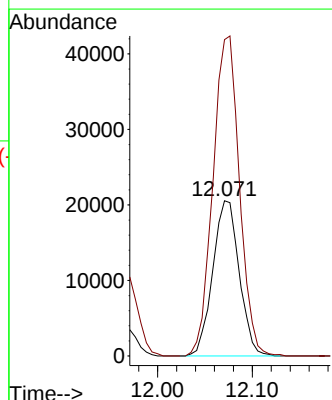
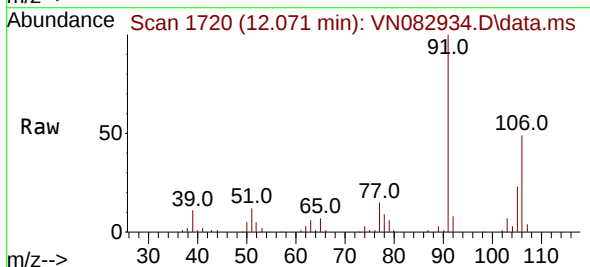
Instrument :
MSVOA_N
ClientSampleId :
50387

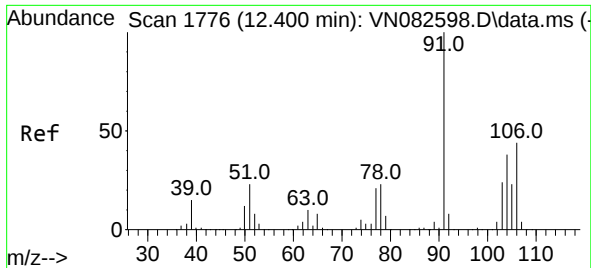
Tgt Ion: 91 Resp: 19569
Ion Ratio Lower Upper
91 100
106 25.4 24.0 36.0



#68
m/p-Xylenes
Concen: 18.438 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.001 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion:106 Resp: 39894
Ion Ratio Lower Upper
106 100
91 206.6 166.1 249.1

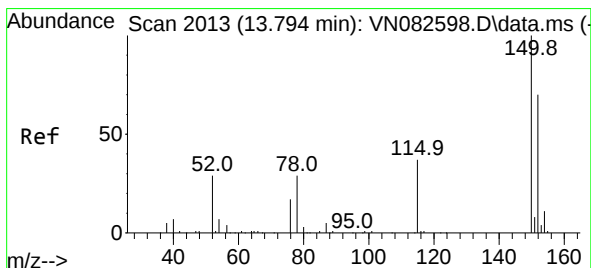
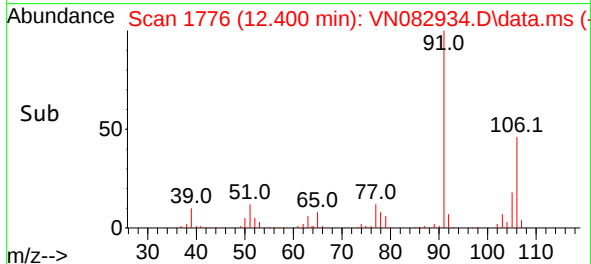
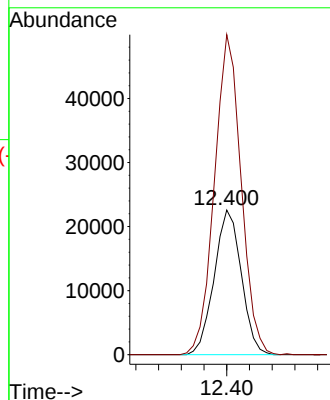
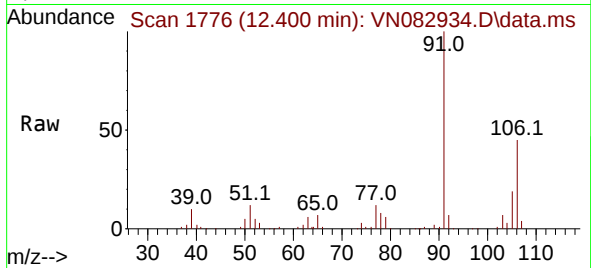




#69
o-Xylene
Concen: 18.043 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

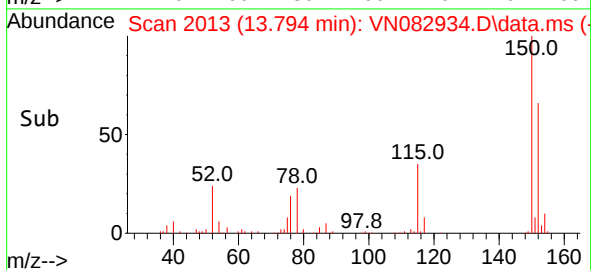
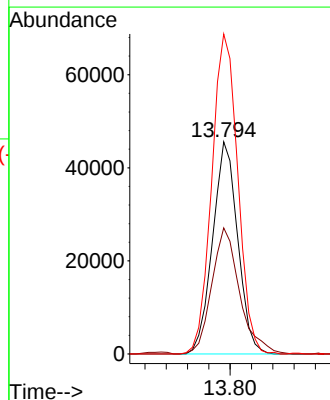
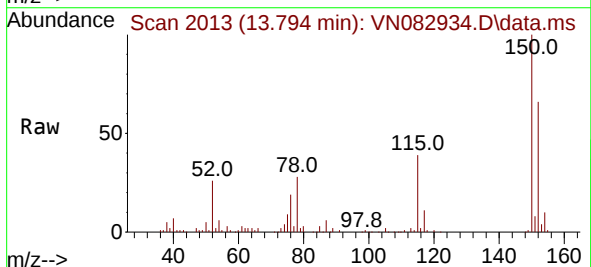
Instrument :
MSVOA_N
ClientSampleId :
50387

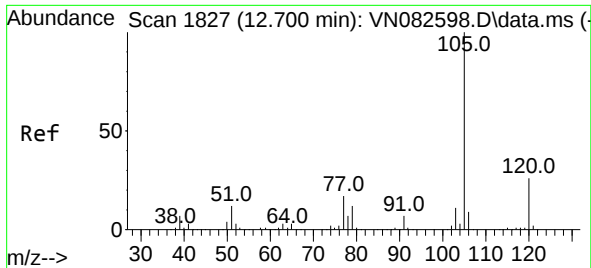
Tgt Ion:106 Resp: 37407
Ion Ratio Lower Upper
106 100
91 217.9 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion:152 Resp: 74553
Ion Ratio Lower Upper
152 100
115 66.0 30.6 91.6
150 156.3 0.0 348.6

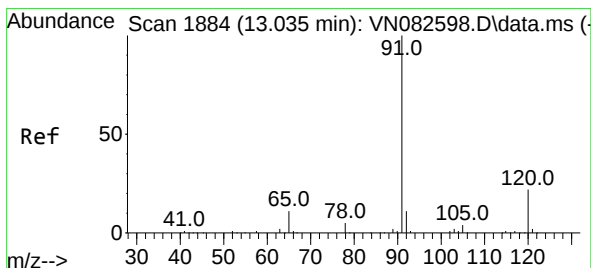
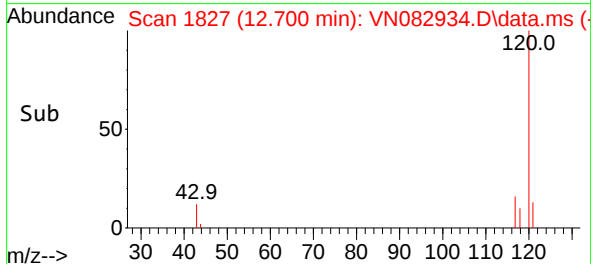
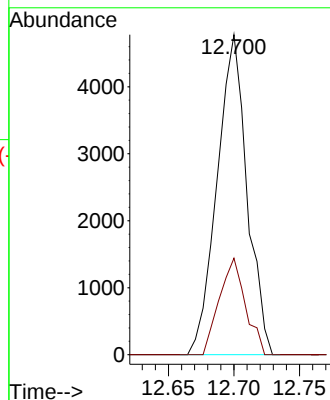
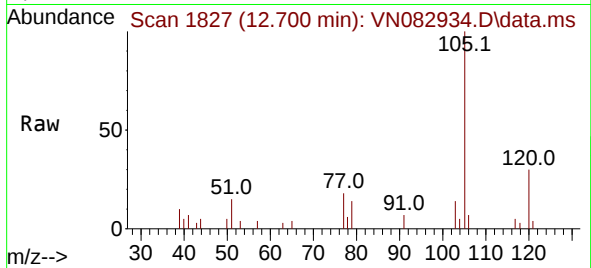




#73
Isopropylbenzene
Concen: 1.399 ug/l
RT: 12.700 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

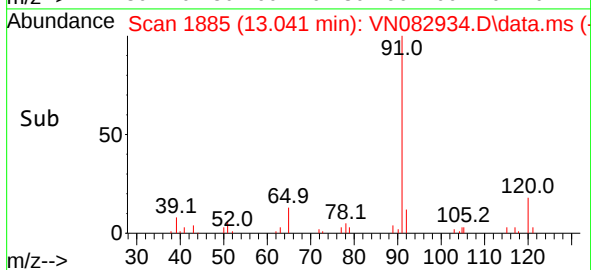
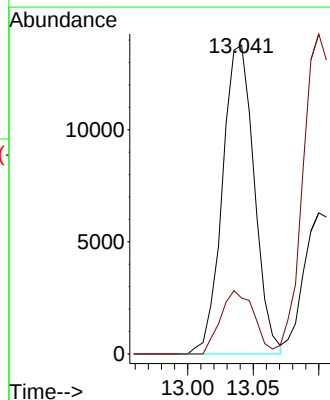
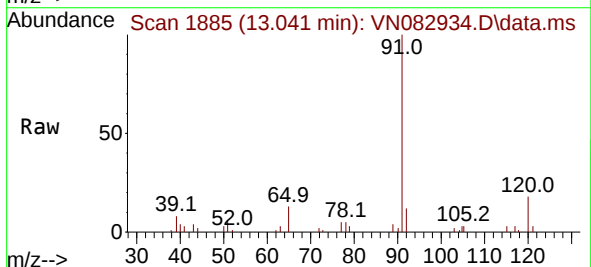
Instrument :
MSVOA_N
ClientSampleId :
50387

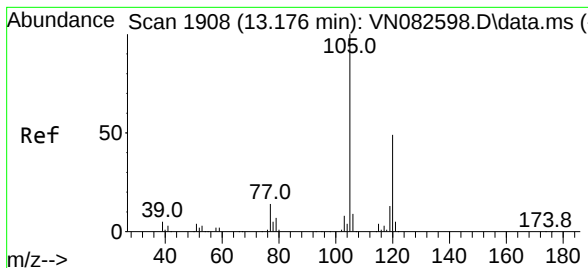
Tgt Ion:105 Resp: 7580
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.6



#78
n-propylbenzene
Concen: 3.730 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion: 91 Resp: 23236
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.9

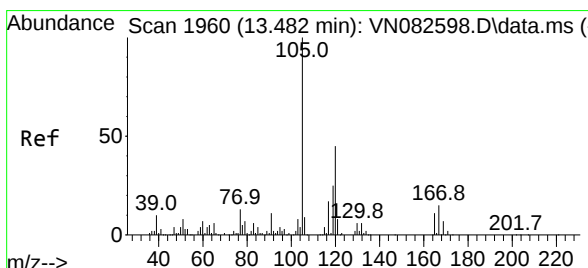
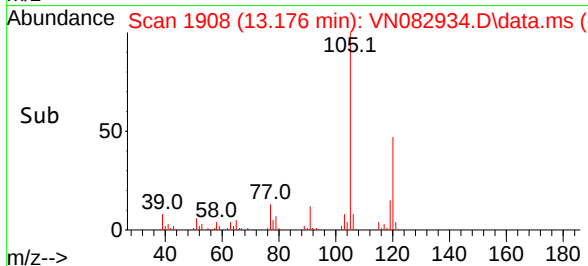
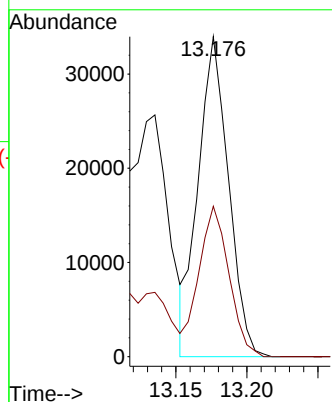
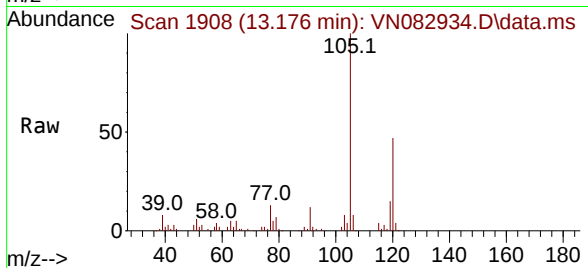




#80
 1,3,5-Trimethylbenzene
 Concen: 11.483 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN082934.D
 Acq: 16 Jul 2024 14:26

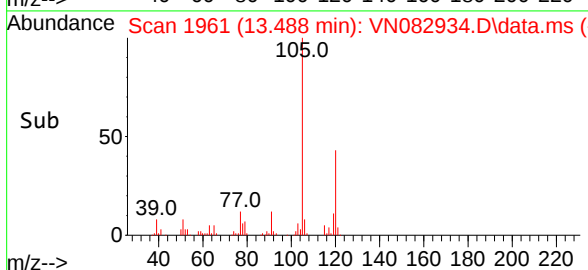
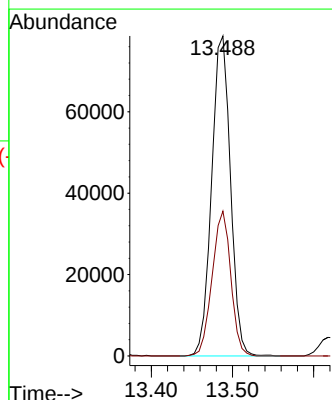
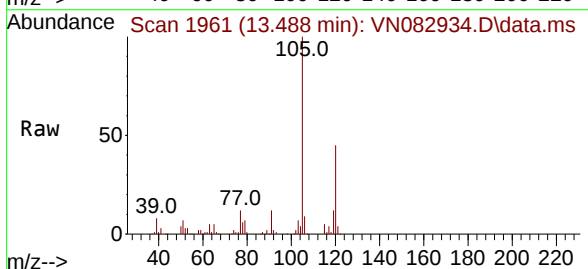
Instrument :
 MSVOA_N
 ClientSampleId :
 50387

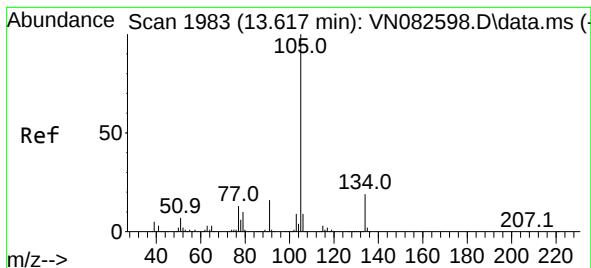
Tgt Ion:105 Resp: 50285
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 28.396 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.006 min
 Lab File: VN082934.D
 Acq: 16 Jul 2024 14:26

Tgt Ion:105 Resp: 126738
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.9 65.8





#85

sec-Butylbenzene

Concen: 1.504 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.001 min

Lab File: VN082934.D

Acq: 16 Jul 2024 14:26

Instrument :

MSVOA_N

ClientSampleId :

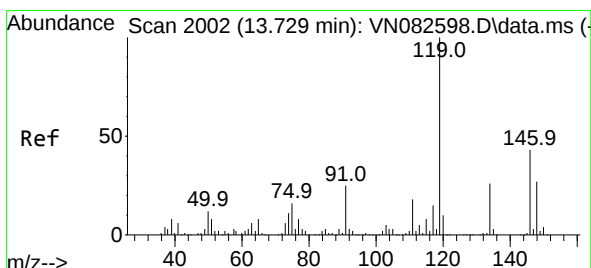
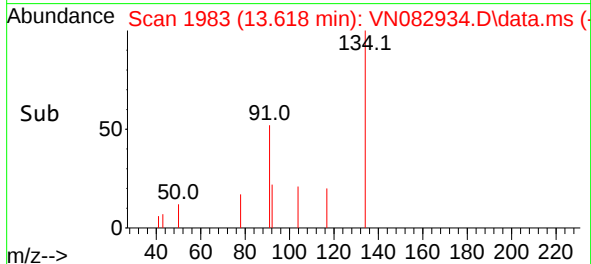
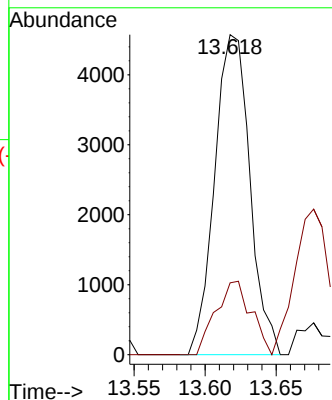
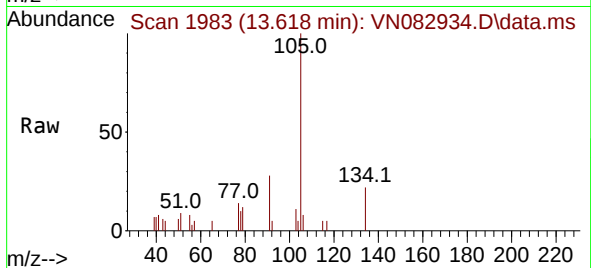
50387

Tgt Ion:105 Resp: 7890

Ion Ratio Lower Upper

105 100

134 23.0 9.8 29.3



#86

p-Isopropyltoluene

Concen: 1.393 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN082934.D

Acq: 16 Jul 2024 14:26

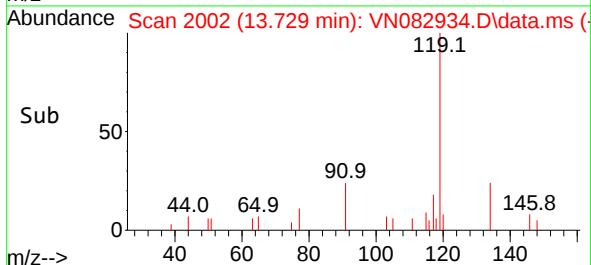
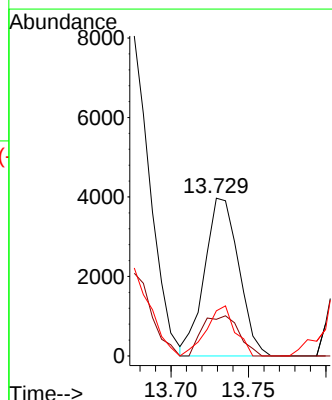
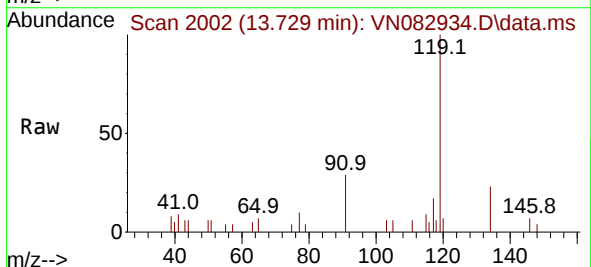
Tgt Ion:119 Resp: 6097

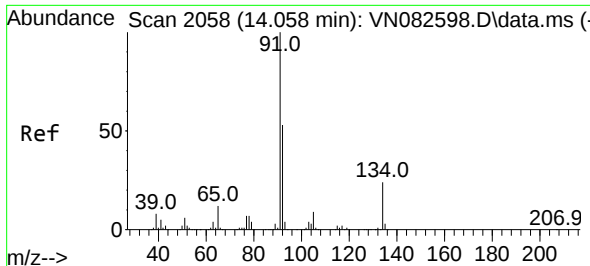
Ion Ratio Lower Upper

119 100

134 27.5 13.0 39.0

91 26.6 12.3 36.9

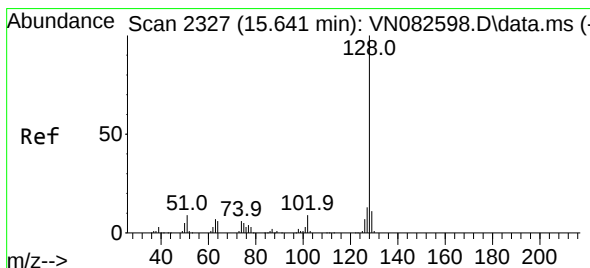
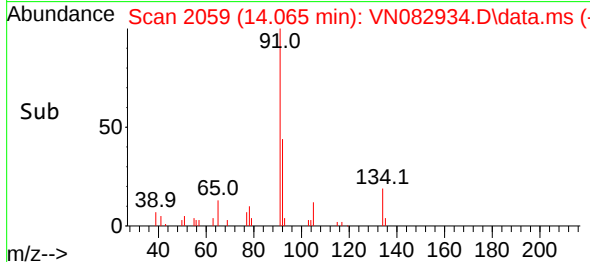
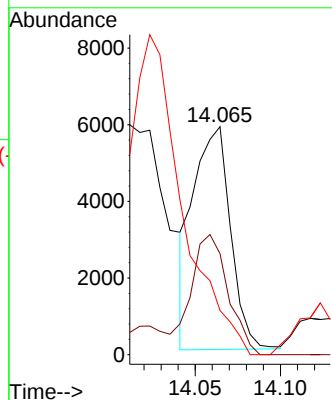
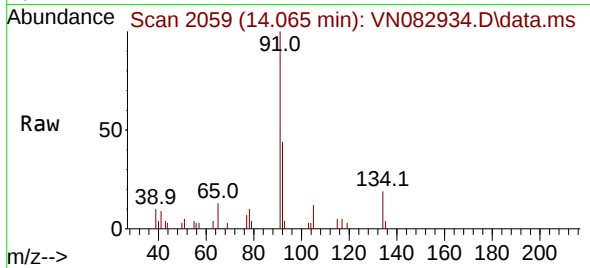




#89
n-Butylbenzene
Concen: 2.345 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.007 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Instrument :
MSVOA_N
ClientSampleId :
50387

Tgt Ion: 91 Resp: 8793
Ion Ratio Lower Upper
91 100
92 53.8 26.1 78.3
134 0.0 12.1 36.3#



#95
Naphthalene
Concen: 7.243 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN082934.D
Acq: 16 Jul 2024 14:26

Tgt Ion:128 Resp: 32758
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 11.4 8.6 12.8

