

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071224\
 Data File : VN082909.D
 Acq On : 12 Jul 2024 19:06
 Operator : JC\MD
 Sample : P3224-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 356STEVEN-12

Quant Time: Jul 15 01:18:13 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)

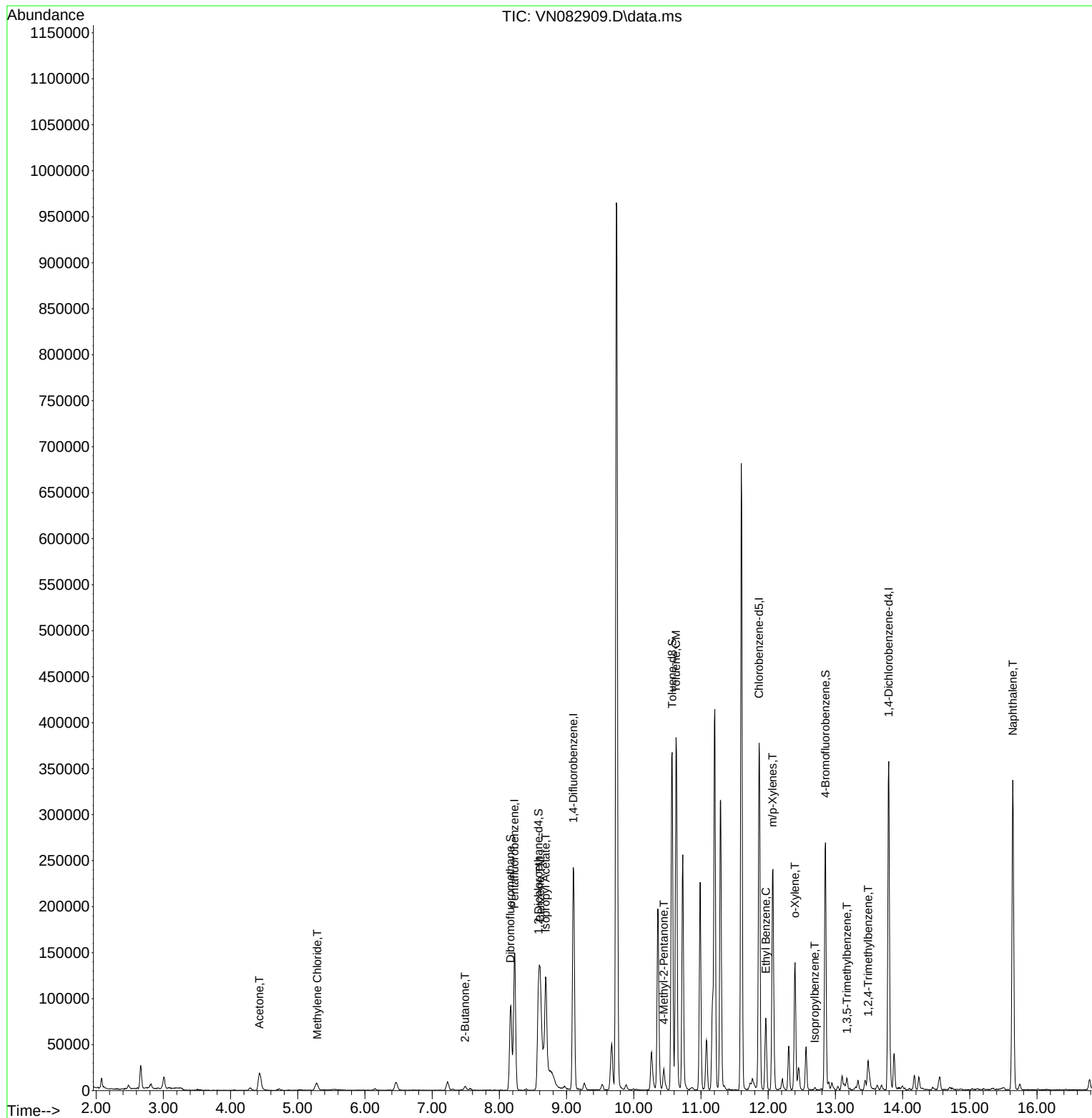
Internal Standards						
1) Pentafluorobenzene	8.224	168	105673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	203808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	212445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	81057	54.719	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.440%	
35) Dibromofluoromethane	8.165	113	66191	50.613	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.220%	
50) Toluene-d8	10.571	98	251186	52.002	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.000%	
62) 4-Bromofluorobenzene	12.853	95	89069	51.334	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.660%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	36955	70.858	ug/l #	86
20) Methylene Chloride	5.289	84	6217	4.936	ug/l #	72
25) 2-Butanone	7.488	43	7339	9.319	ug/l #	89
40) Benzene	8.606	78	110262	19.880	ug/l	97
43) Isopropyl Acetate	8.688	43	189450	55.031	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	18112	9.952	ug/l	94
52) Toluene	10.629	92	167328	48.296	ug/l	98
67) Ethyl Benzene	11.965	91	49295	6.443	ug/l	99
68) m/p-Xylenes	12.065	106	75051	25.982	ug/l	98
69) o-Xylene	12.400	106	37757	13.642	ug/l	93
73) Isopropylbenzene	12.694	105	2159	0.317	ug/l	87
80) 1,3,5-Trimethylbenzene	13.170	105	5869	1.066	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	19011	3.389	ug/l	85
95) Naphthalene	15.641	128	297299	52.304	ug/l	100

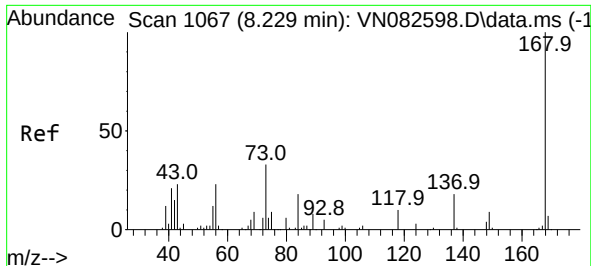
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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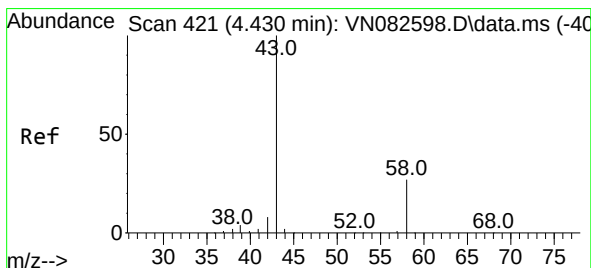
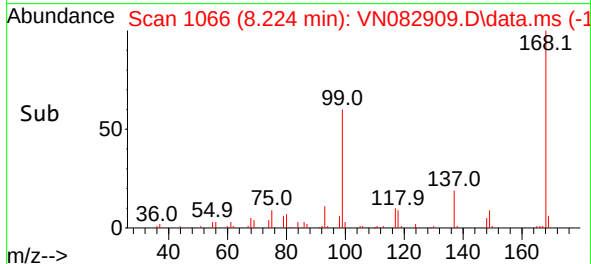
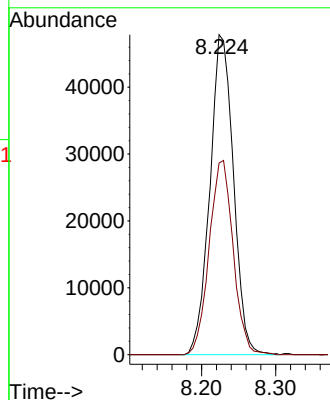
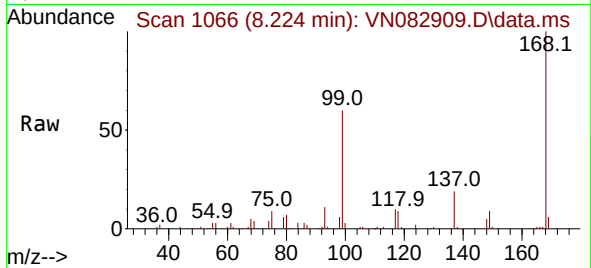




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

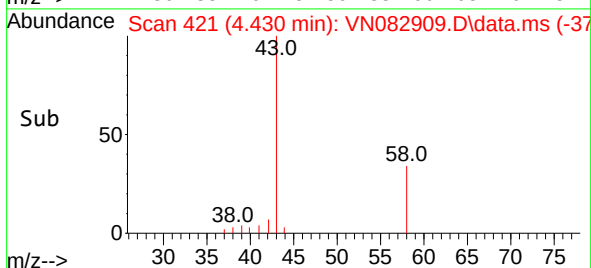
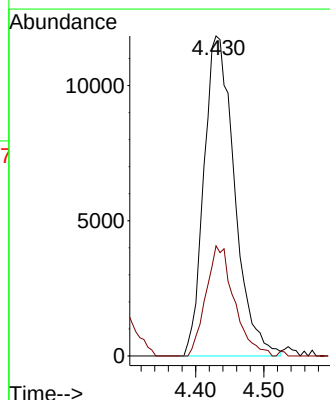
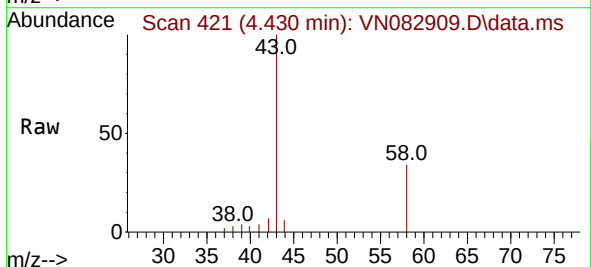
Instrument :
MSVOA_N
ClientSampleId :
356STEVEN-12

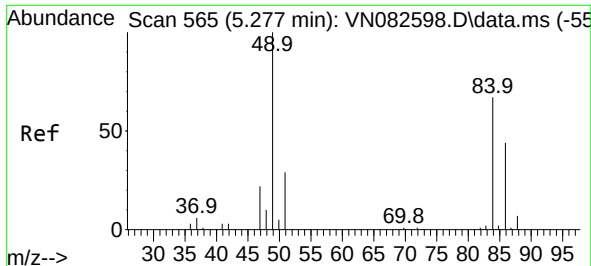
Tgt Ion:168 Resp: 105673
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#16
Acetone
Concen: 70.858 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

Tgt Ion: 43 Resp: 36955
Ion Ratio Lower Upper
43 100
58 34.4 21.8 32.6#

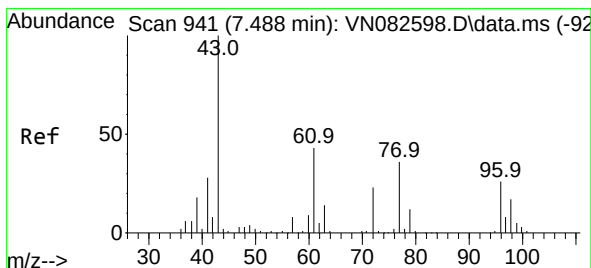
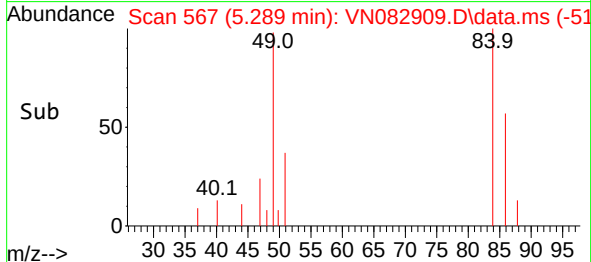
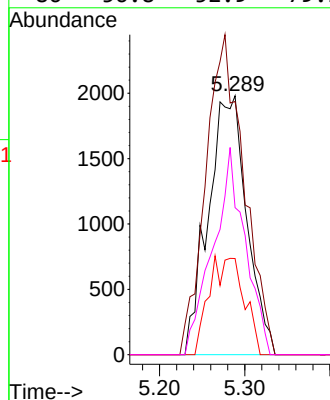
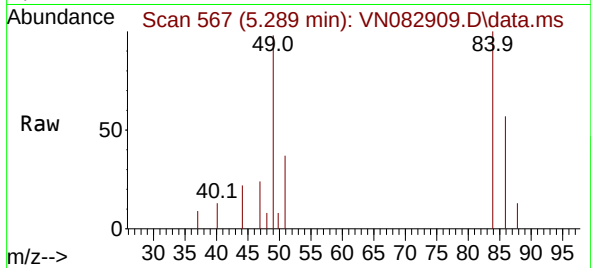




#20
Methylene Chloride
Concen: 4.936 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

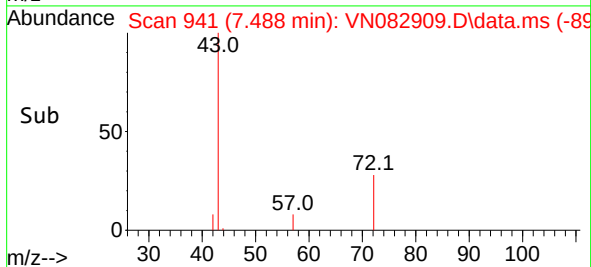
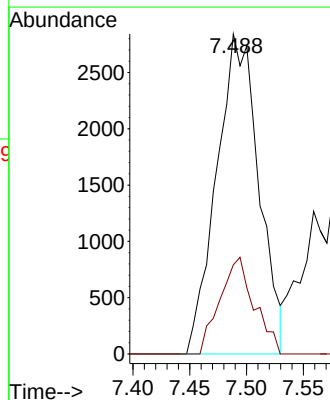
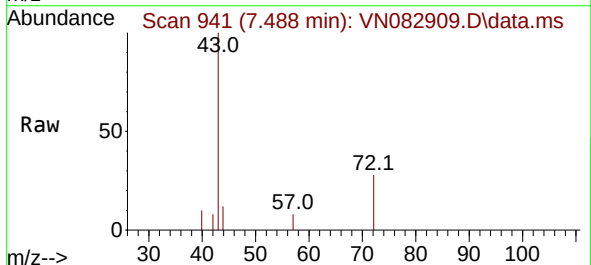
Instrument :
MSVOA_N
ClientSampleId :
356STEVEN-12

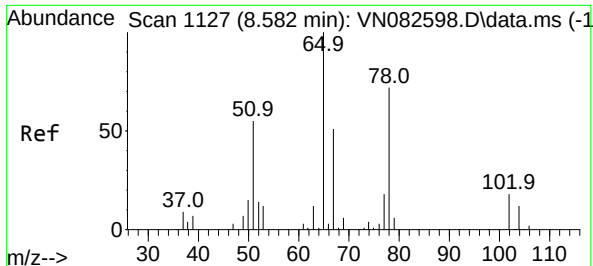
Tgt Ion: 84	Resp: 6217
Ion Ratio	Lower Upper
84 100	
49 97.8	119.6 179.4#
51 37.2	34.8 52.2
86 56.8	52.9 79.3



#25
2-Butanone
Concen: 9.319 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

Tgt Ion: 43	Resp: 7339
Ion Ratio	Lower Upper
43 100	
72 27.9	18.2 27.2#





#33

1,2-Dichloroethane-d4

Concen: 54.719 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082909.D

Acq: 12 Jul 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

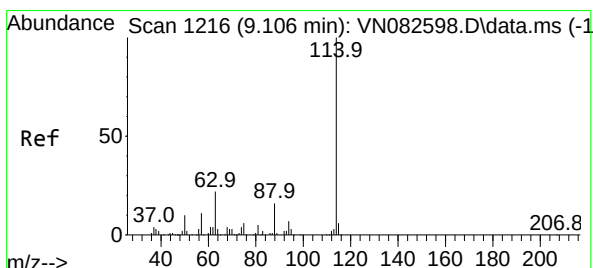
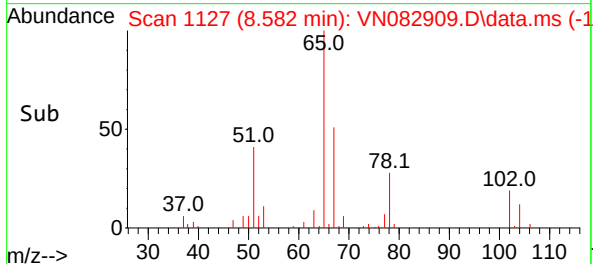
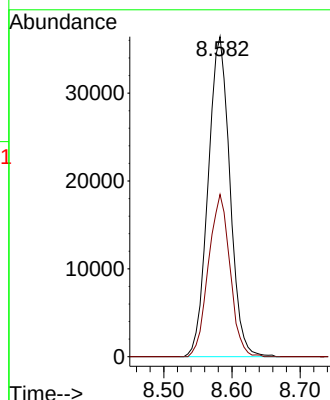
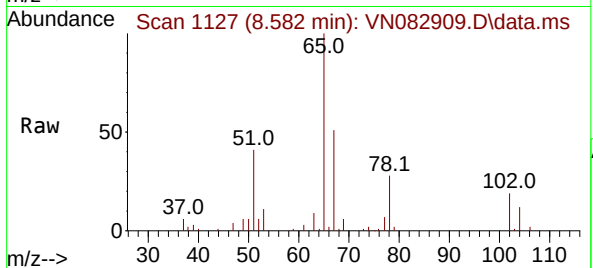
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Tgt Ion: 65 Resp: 81057

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN082909.D

Acq: 12 Jul 2024 19:06

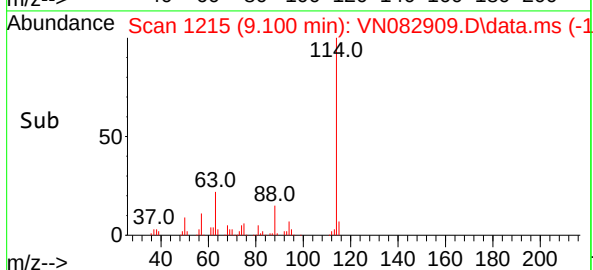
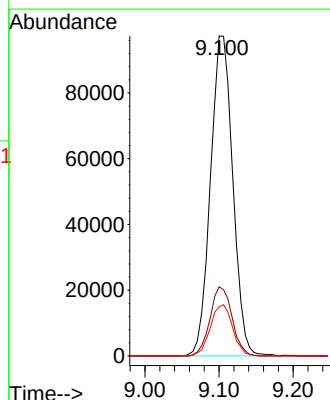
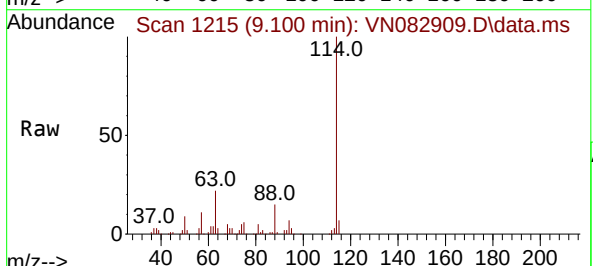
Tgt Ion: 114 Resp: 203808

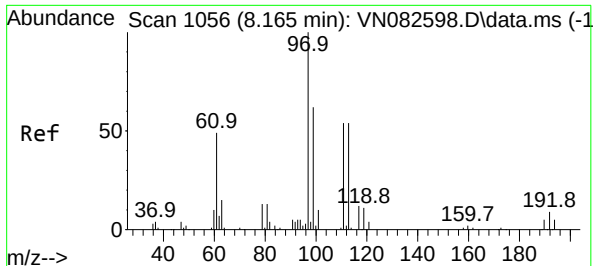
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 15.3 0.0 31.4

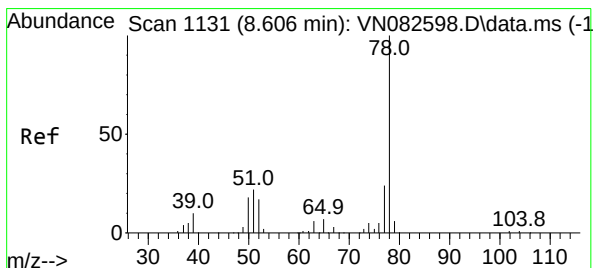
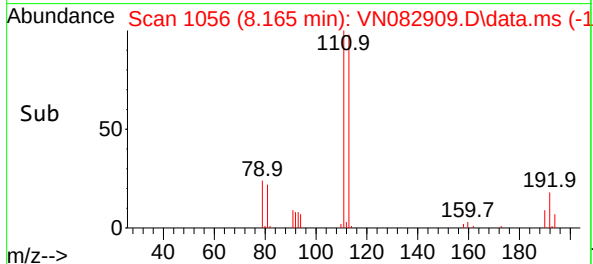
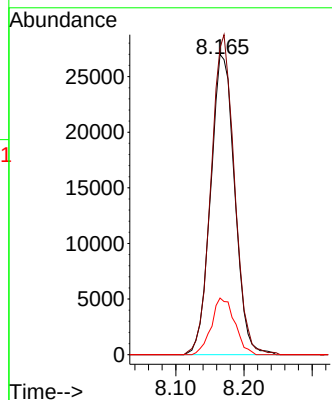
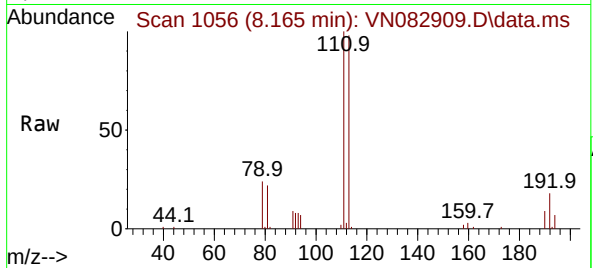




#35
Dibromofluoromethane
Concen: 50.613 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

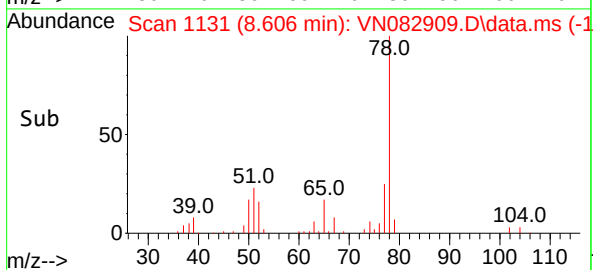
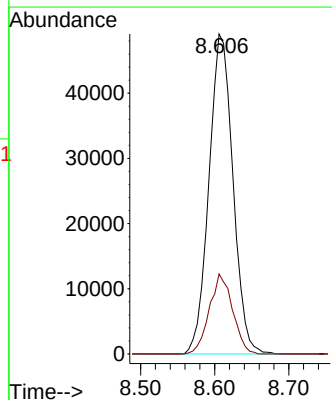
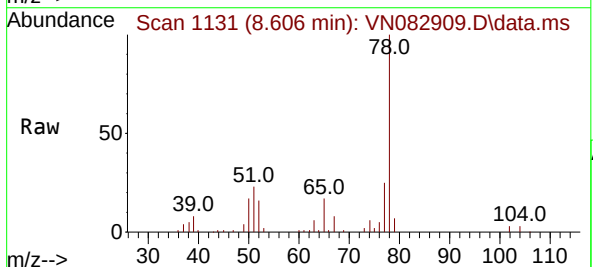
Instrument :
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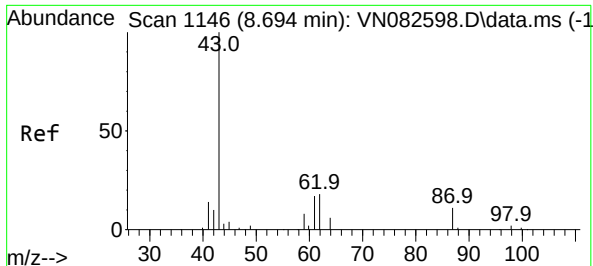
Tgt Ion:113 Resp: 66191
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 18.3 14.9 22.3



#40
Benzene
Concen: 19.880 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

Tgt Ion: 78 Resp: 110262
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.4

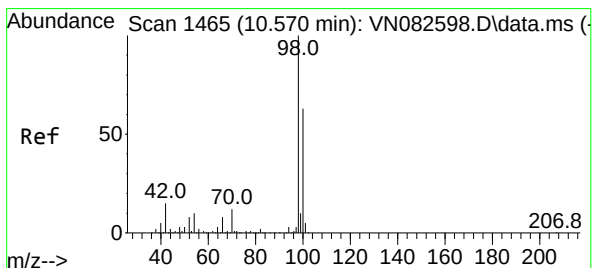
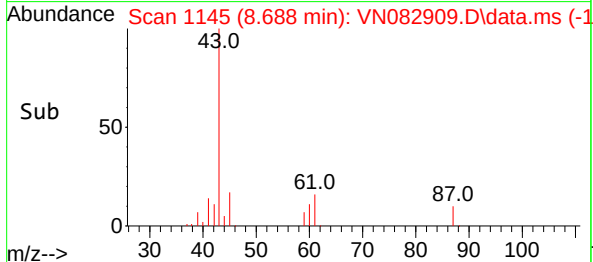
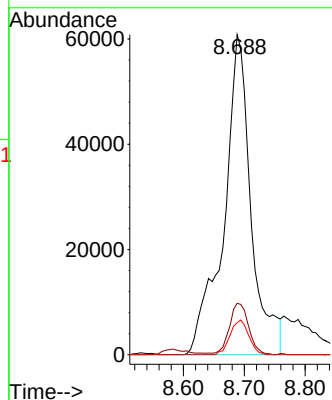
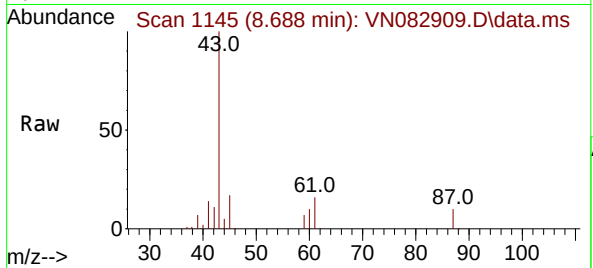




#43
Isopropyl Acetate
Concen: 55.031 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

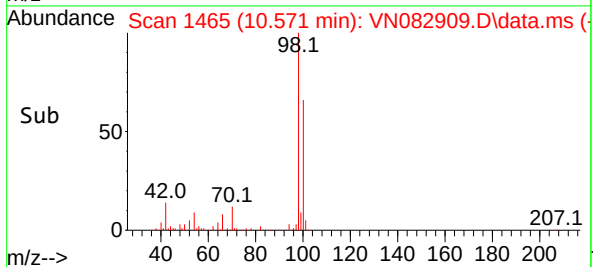
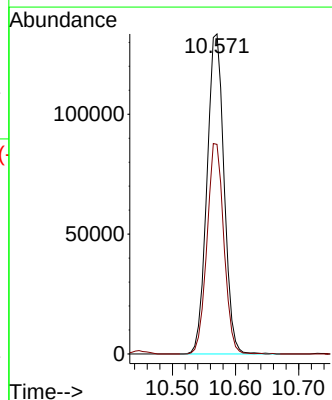
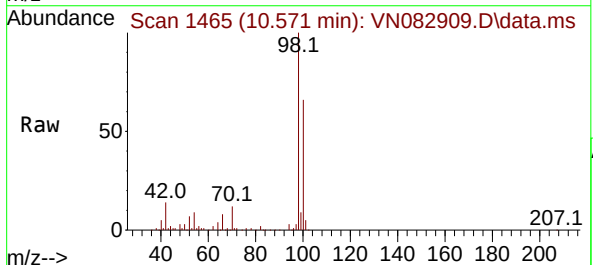
Instrument :
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ClientSampleId :
356STEVEN-12

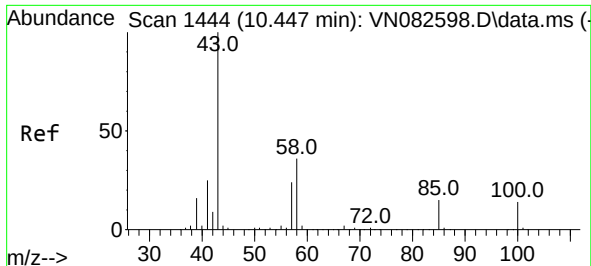
Tgt Ion: 43 Resp: 189450
Ion Ratio Lower Upper
43 100
61 11.4 17.8 26.6#
87 7.3 8.2 12.2#



#50
Toluene-d8
Concen: 52.002 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

Tgt Ion: 98 Resp: 251186
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3

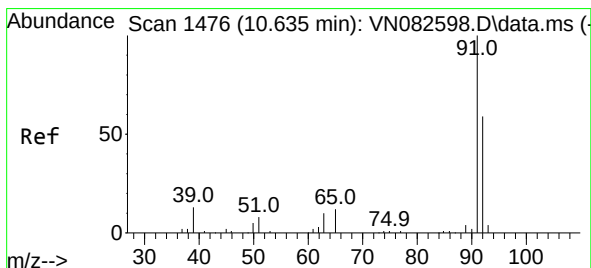
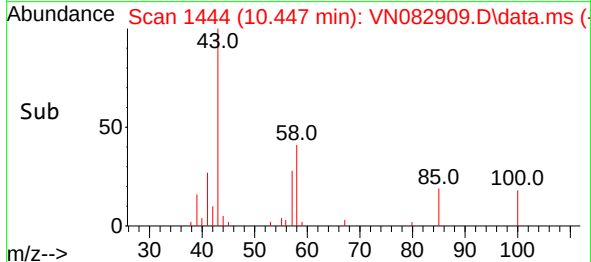
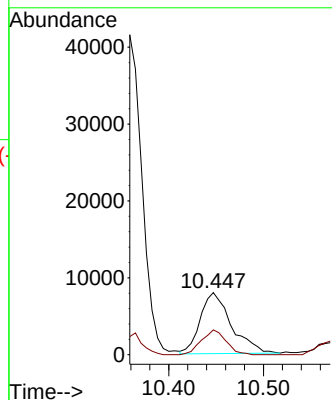
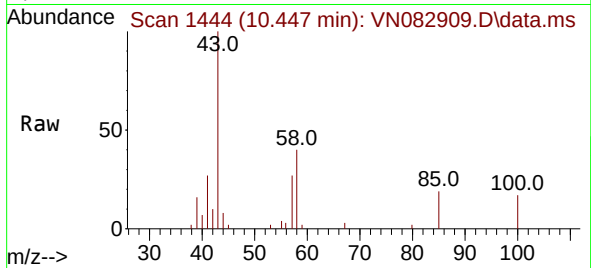




#51
4-Methyl-2-Pentanone
Concen: 9.952 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

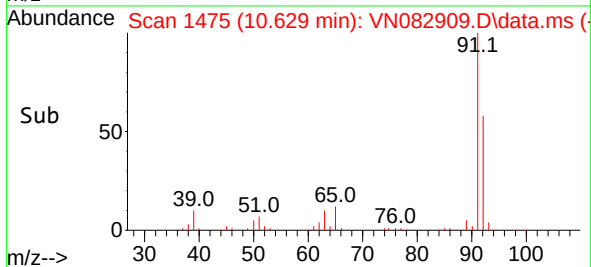
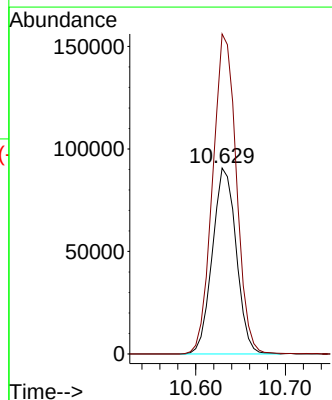
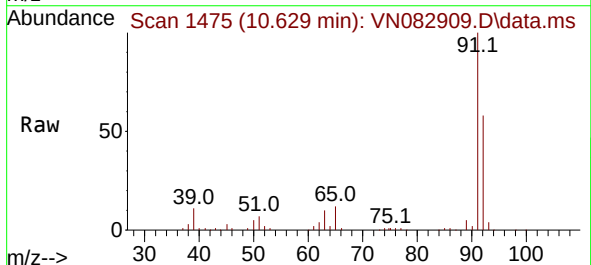
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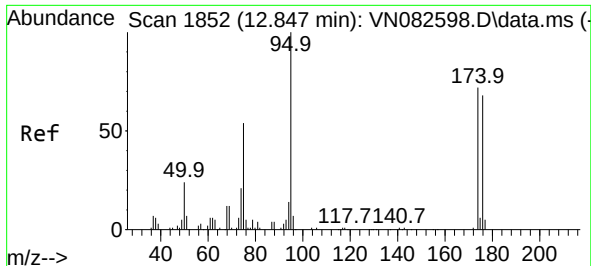
Tgt Ion: 43 Resp: 18112
Ion Ratio Lower Upper
43 100
58 32.1 28.2 42.4



#52
Toluene
Concen: 48.296 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

Tgt Ion: 92 Resp: 167328
Ion Ratio Lower Upper
92 100
91 171.6 139.4 209.0

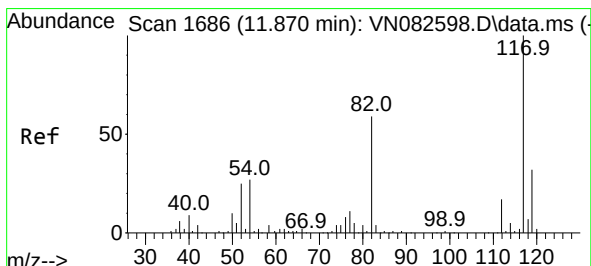
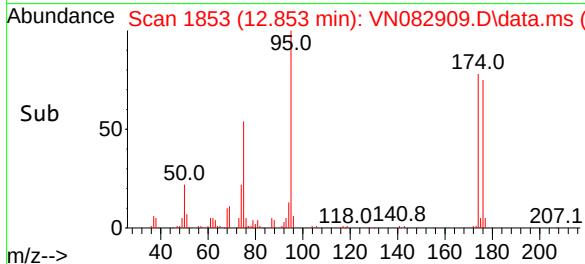
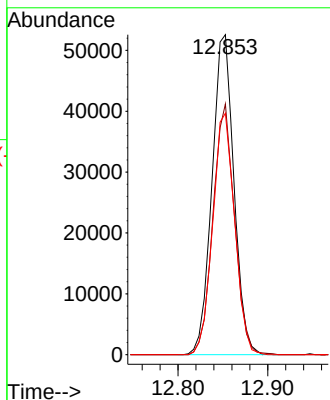
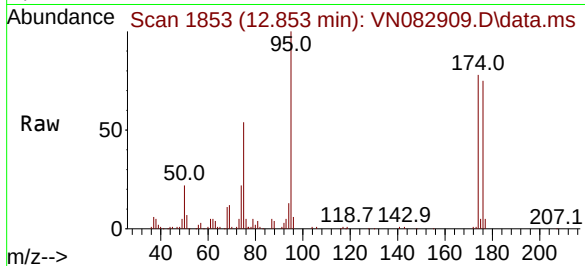




#62
4-Bromofluorobenzene
Concen: 51.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

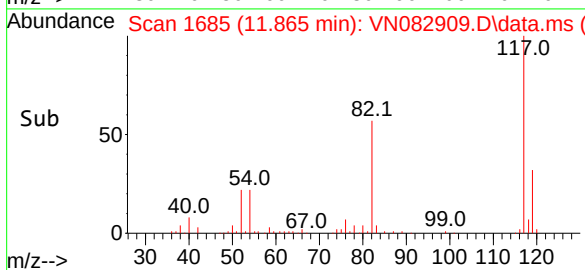
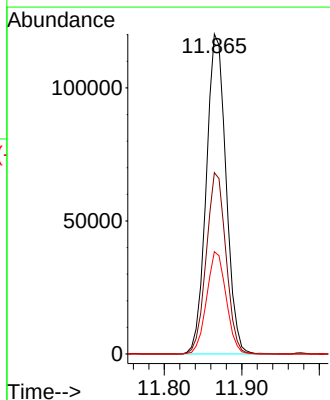
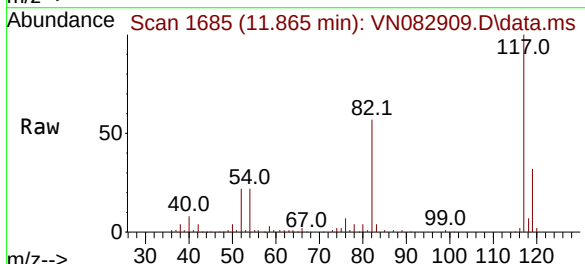
Instrument :
MSVOA_N
ClientSampleId :
356STEVEN-12

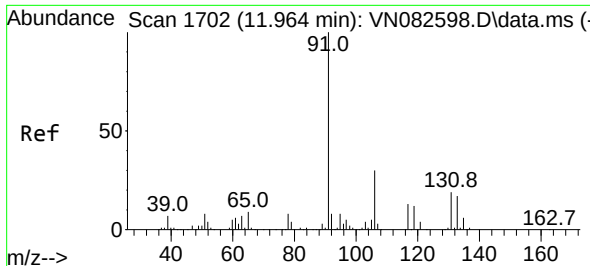
Tgt Ion: 95 Resp: 89069
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.2
176 75.6 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

Tgt Ion: 117 Resp: 212445
Ion Ratio Lower Upper
117 100
82 56.7 47.5 71.3
119 31.9 25.6 38.4





#67

Ethyl Benzene

Concen: 6.443 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.001 min

Lab File: VN082909.D

Acq: 12 Jul 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

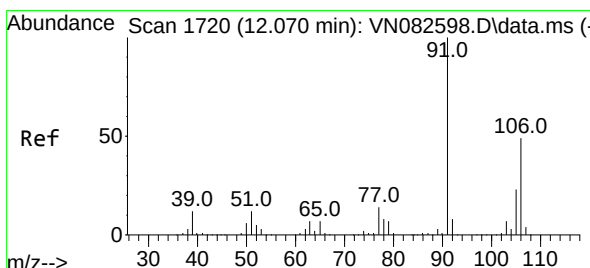
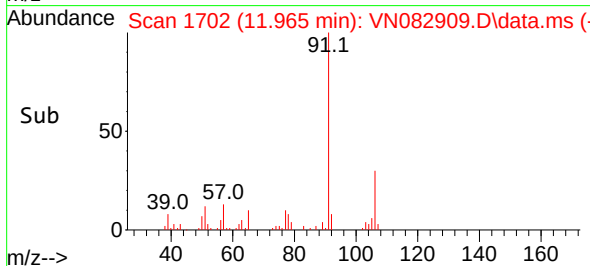
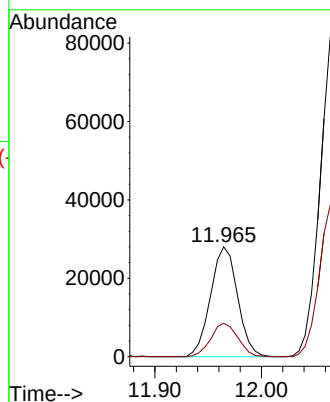
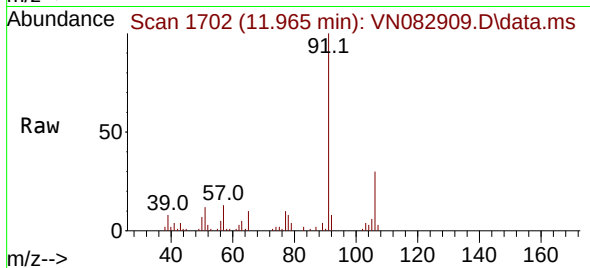
356STEVEN-12

Tgt Ion: 91 Resp: 49295

Ion Ratio Lower Upper

91 100

106 30.4 24.0 36.0



#68

m/p-Xylenes

Concen: 25.982 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.005 min

Lab File: VN082909.D

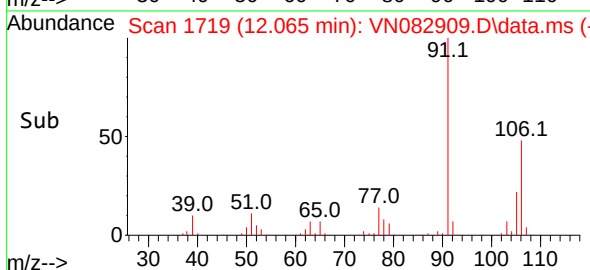
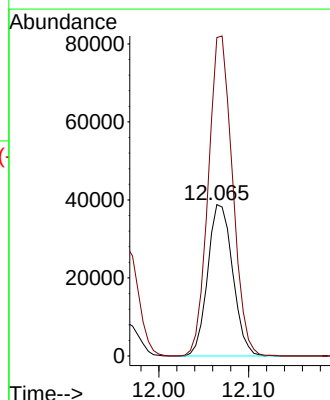
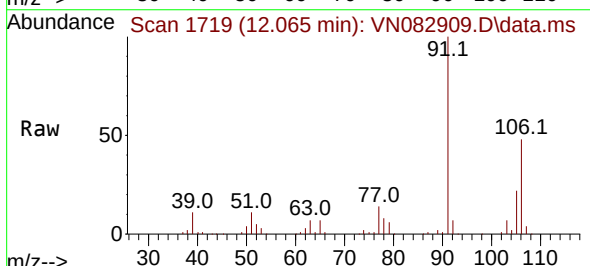
Acq: 12 Jul 2024 19:06

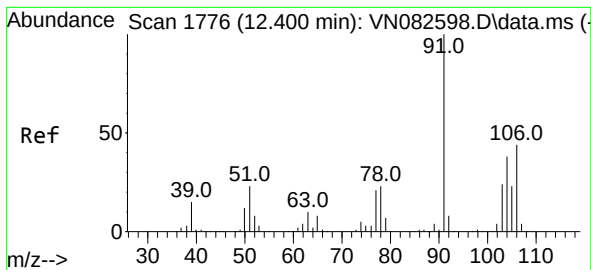
Tgt Ion:106 Resp: 75051

Ion Ratio Lower Upper

106 100

91 205.2 166.1 249.1

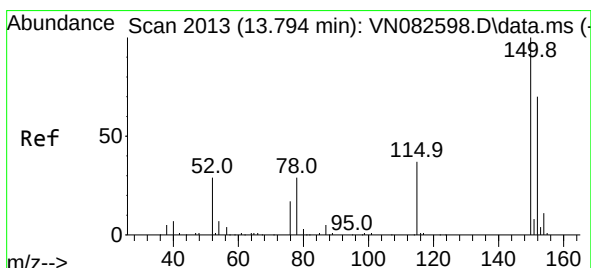
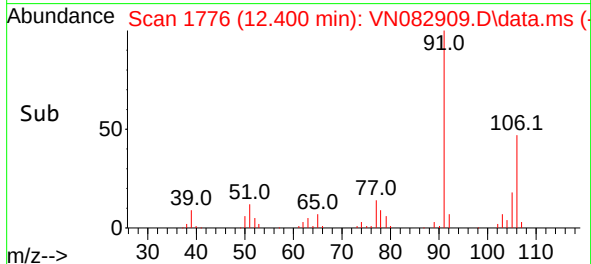
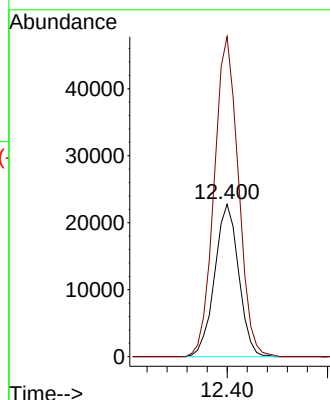
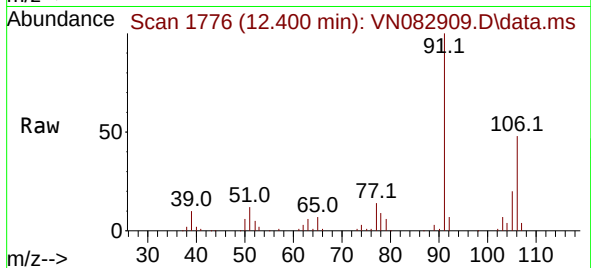




#69
o-Xylene
Concen: 13.642 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

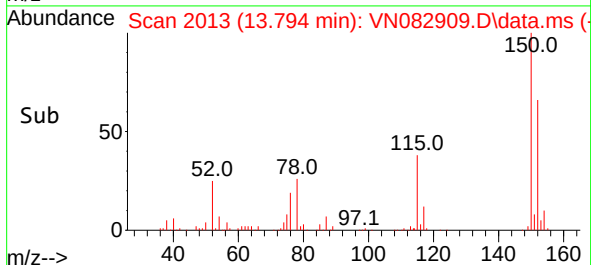
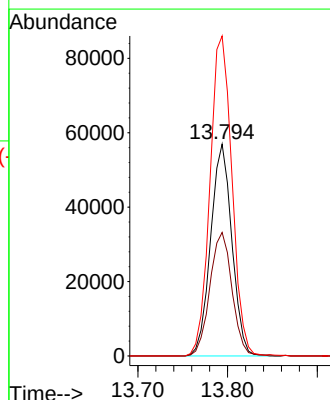
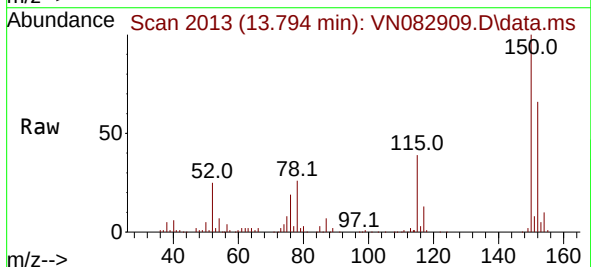
Instrument :
MSVOA_N
ClientSampleId :
356STEVEN-12

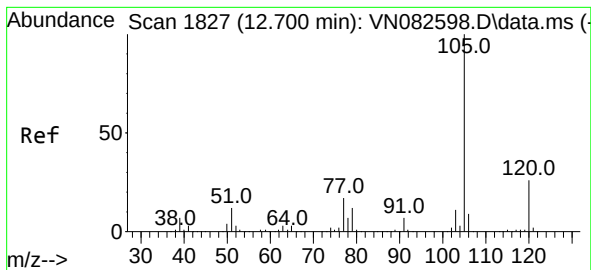
Tgt Ion:106 Resp: 37757
Ion Ratio Lower Upper
106 100
91 212.0 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082909.D
Acq: 12 Jul 2024 19:06

Tgt Ion:152 Resp: 93702
Ion Ratio Lower Upper
152 100
115 60.6 30.6 91.6
150 155.9 0.0 348.6





#73

Isopropylbenzene

Concen: 0.317 ug/l

RT: 12.694 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082909.D

Acq: 12 Jul 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

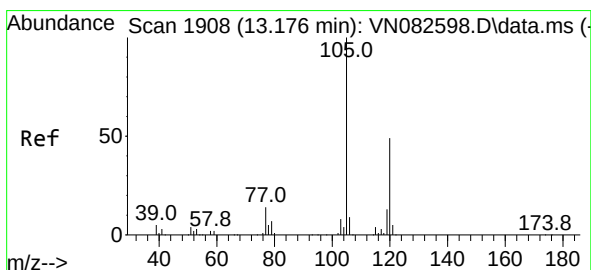
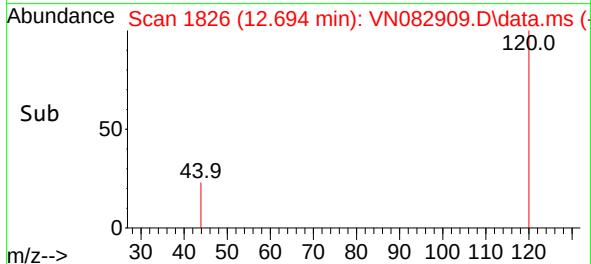
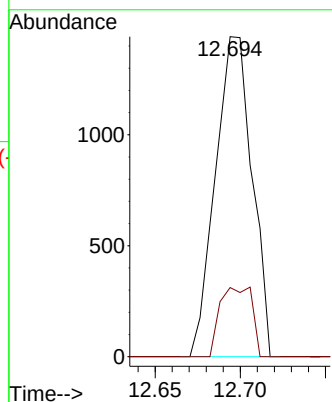
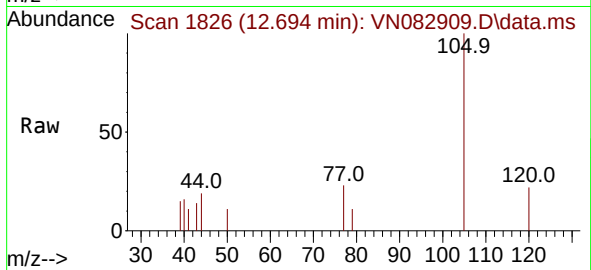
356STEVEN-12

Tgt Ion:105 Resp: 2159

Ion Ratio Lower Upper

105 100

120 19.0 12.9 38.6



#80

1,3,5-Trimethylbenzene

Concen: 1.066 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VN082909.D

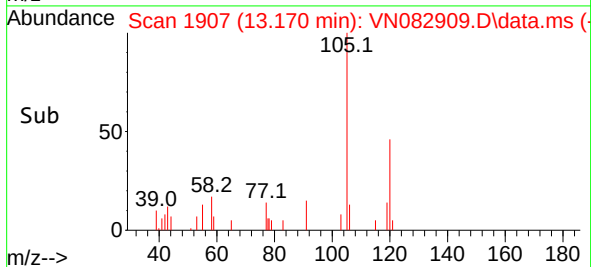
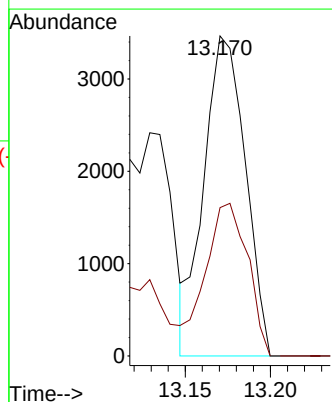
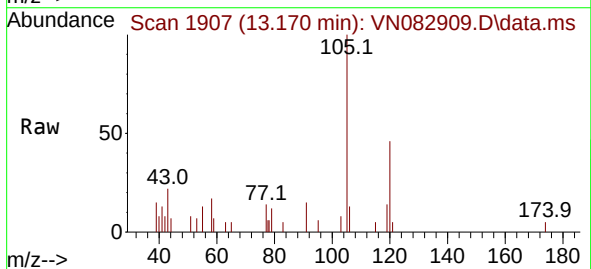
Acq: 12 Jul 2024 19:06

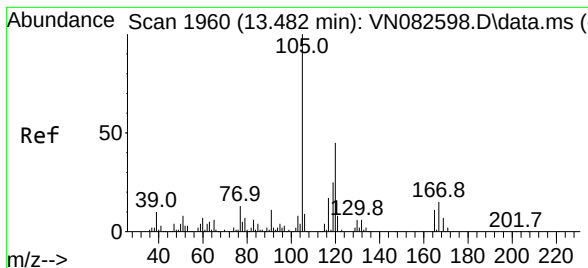
Tgt Ion:105 Resp: 5869

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 3.389 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN082909.D

Acq: 12 Jul 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

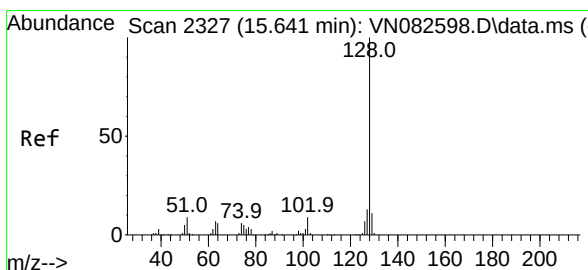
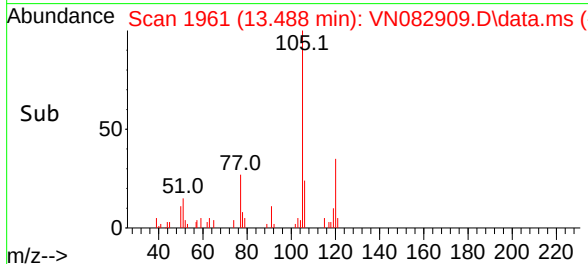
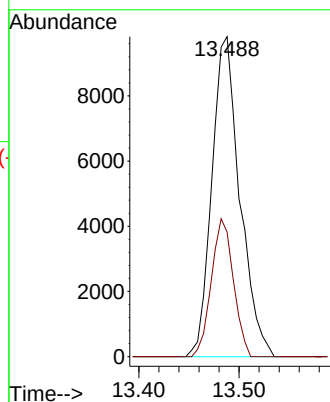
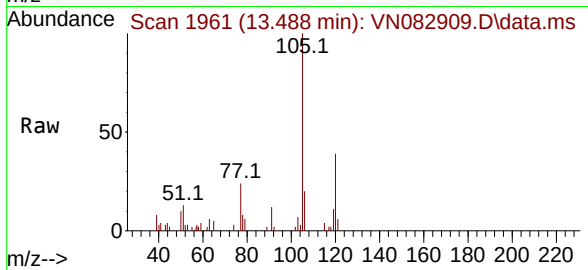
356STEVEN-12

Tgt Ion:105 Resp: 19011

Ion Ratio Lower Upper

105 100

120 34.0 21.9 65.8



#95

Naphthalene

Concen: 52.304 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082909.D

Acq: 12 Jul 2024 19:06

Tgt Ion:128 Resp: 297299

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.8 8.6 12.8

