

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072423\
 Data File : VN078636.D
 Acq On : 24 Jul 2023 14:17
 Operator : JC\MD
 Sample : 03677-01ME
 Misc : 5.82g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SWC-1ME

Quant Time: Jul 25 03:13:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	431928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	741857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	698106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	396040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	255594	44.141	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.280%
35) Dibromofluoromethane	8.171	113	269510	53.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.040%
50) Toluene-d8	10.571	98	867898	45.620	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.240%
62) 4-Bromofluorobenzene	12.853	95	376990	64.334	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	128.660%#

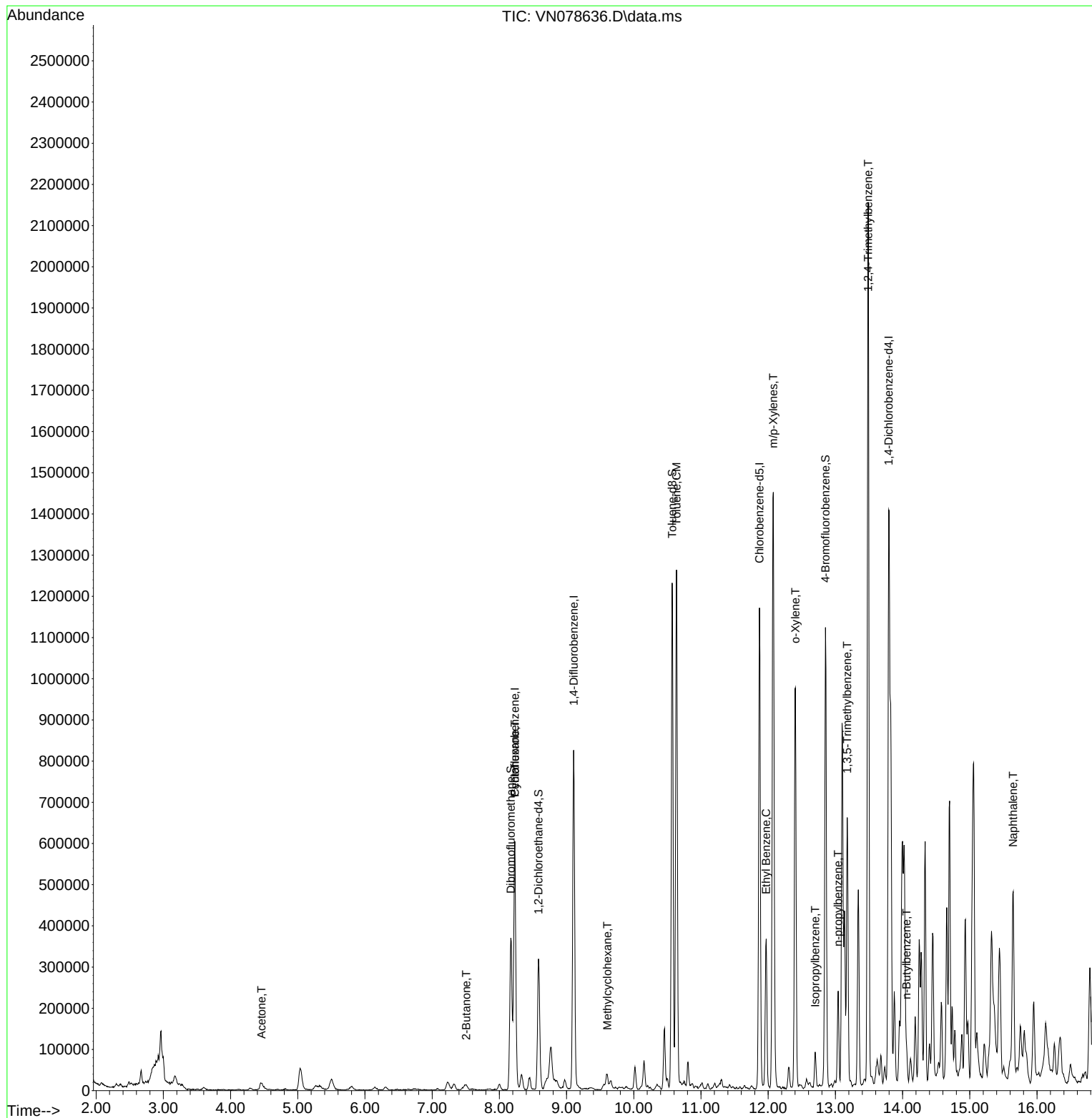
Target Compounds						Qvalue
16) Acetone	4.459	43	37406	20.738	ug/l #	80
25) 2-Butanone	7.506	43	20253	7.133	ug/l	94
31) Cyclohexane	8.230	56	18207	2.327	ug/l #	66
39) Methylcyclohexane	9.606	83	14382	2.167	ug/l #	86
52) Toluene	10.635	92	552794	41.403	ug/l	95
67) Ethyl Benzene	11.970	91	269939	10.234	ug/l	98
68) m/p-Xylenes	12.076	106	498148	51.081	ug/l	100
69) o-Xylene	12.406	106	287971	29.235	ug/l	98
73) Isopropylbenzene	12.700	105	56976	1.531	ug/l	96
78) n-propylbenzene	13.041	91	183140	4.602	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	362646	12.333	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	1227776	42.989	ug/l	97
89) n-Butylbenzene	14.059	91	43540	2.402	ug/l #	79
95) Naphthalene	15.647	128	436269	28.124	ug/l	99

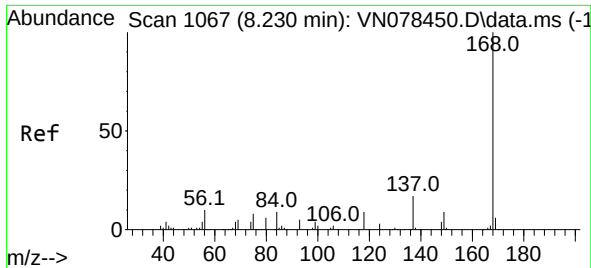
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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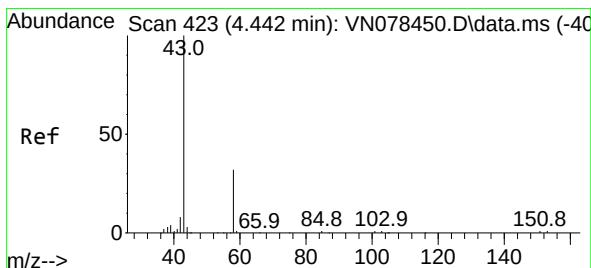
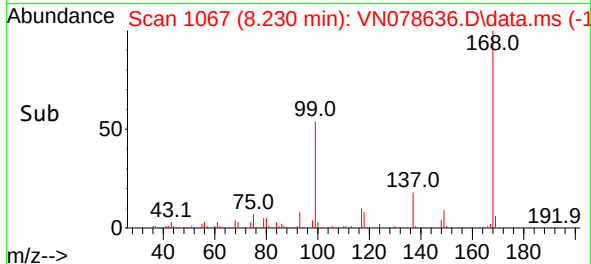
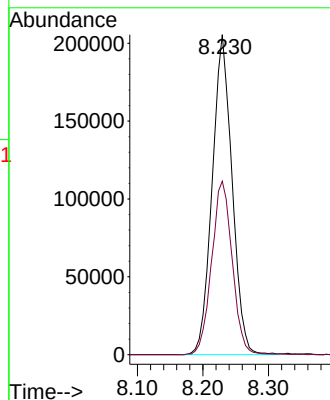
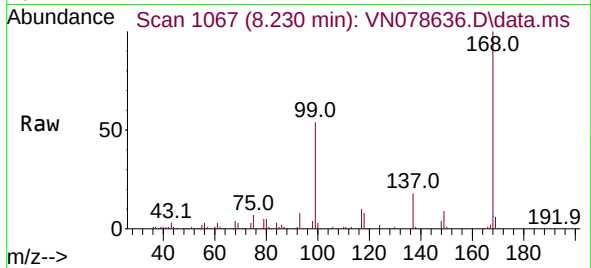




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

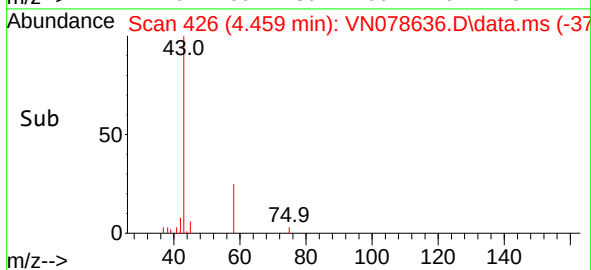
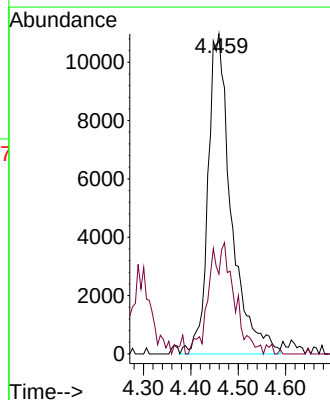
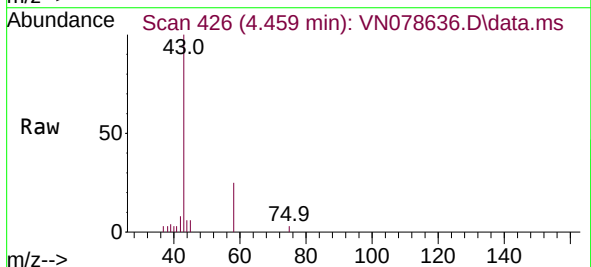
Instrument :
MSVOA_N
ClientSampleId :
SWC-1ME

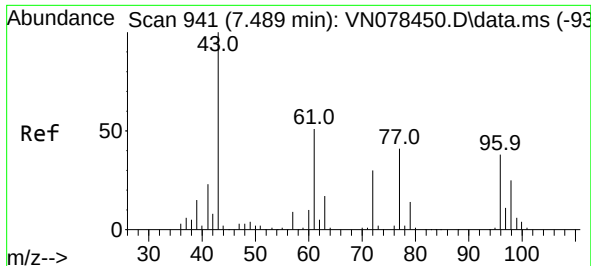
Tgt Ion:168 Resp: 431928
Ion Ratio Lower Upper
168 100
99 54.2 53.0 79.6



#16
Acetone
Concen: 20.738 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

Tgt Ion: 43 Resp: 37406
Ion Ratio Lower Upper
43 100
58 23.6 28.0 42.0#

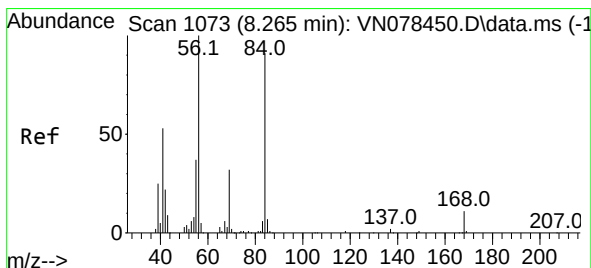
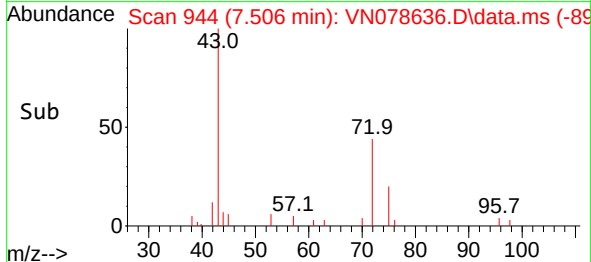
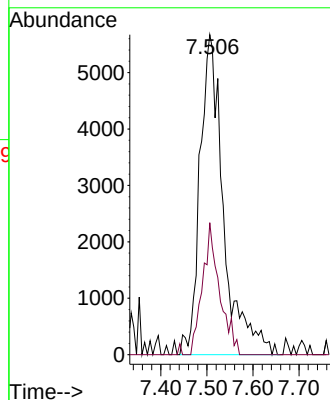
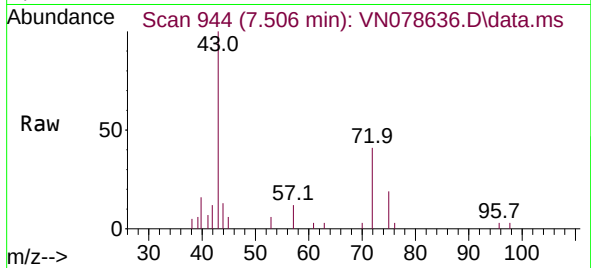




#25
2-Butanone
Concen: 7.133 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

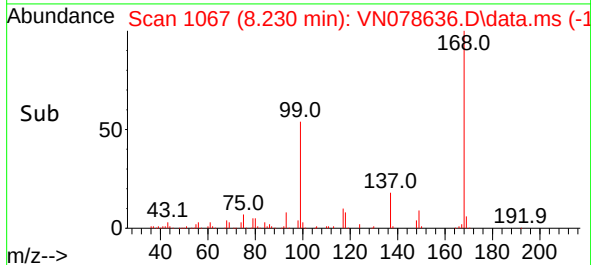
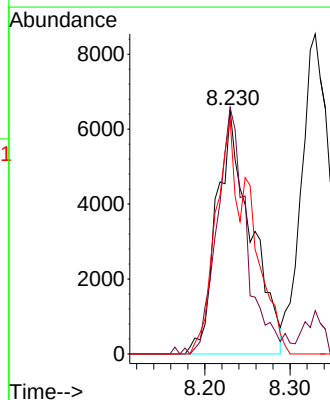
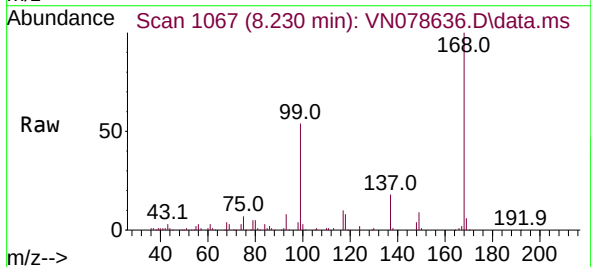
Instrument :
MSVOA_N
ClientSampleId :
SWC-1ME

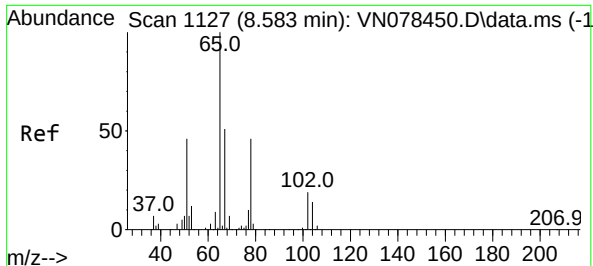
Tgt Ion: 43 Resp: 20253
Ion Ratio Lower Upper
43 100
72 41.2 30.2 45.2



#31
Cyclohexane
Concen: 2.327 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

Tgt Ion: 56 Resp: 18207
Ion Ratio Lower Upper
56 100
69 101.0 26.8 40.2#
84 95.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 44.141 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

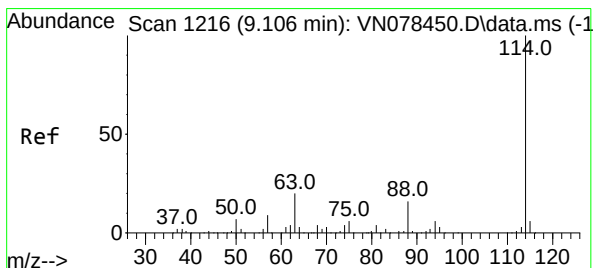
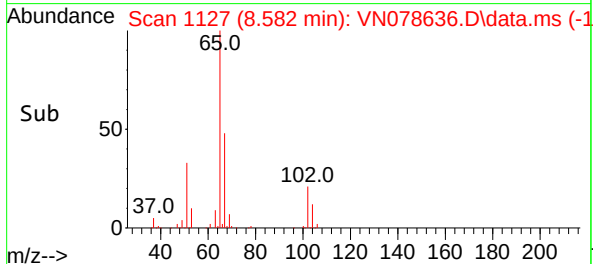
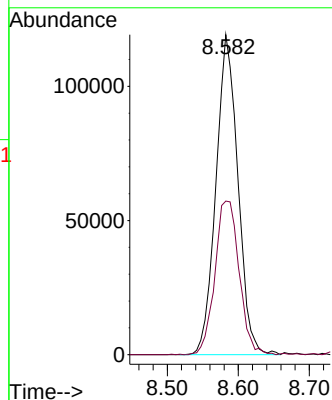
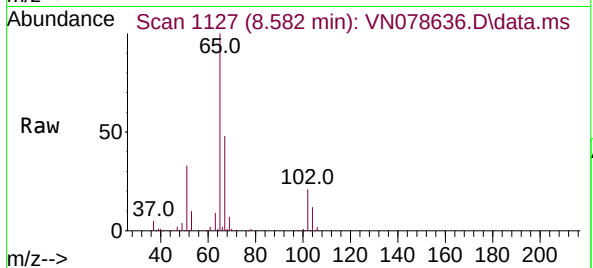
SWC-1ME

Tgt Ion: 65 Resp: 255594

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

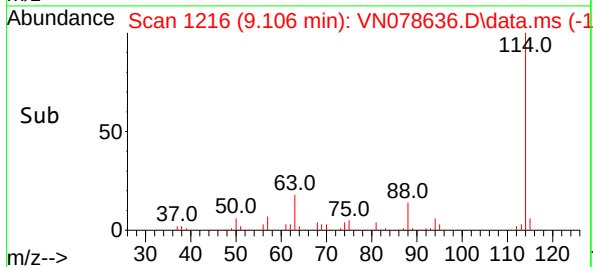
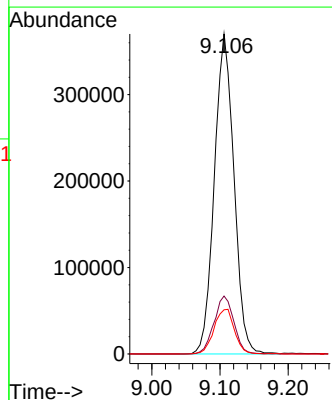
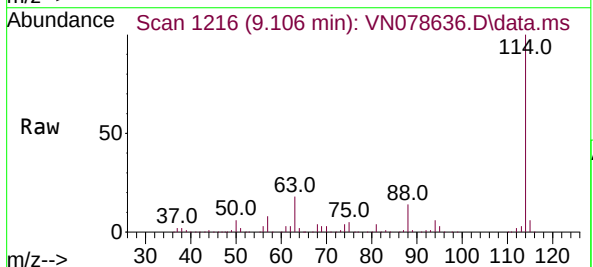
Tgt Ion: 114 Resp: 741857

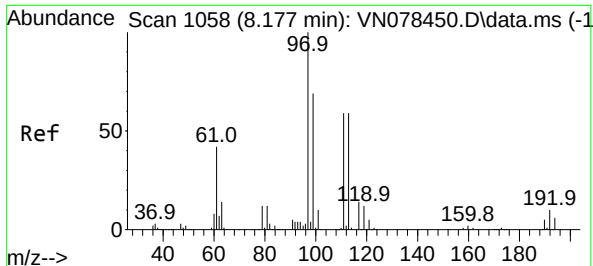
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

88 13.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.517 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

SWC-1ME

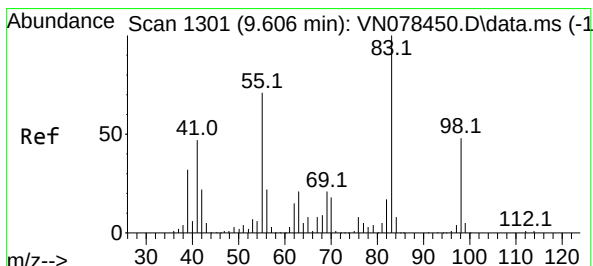
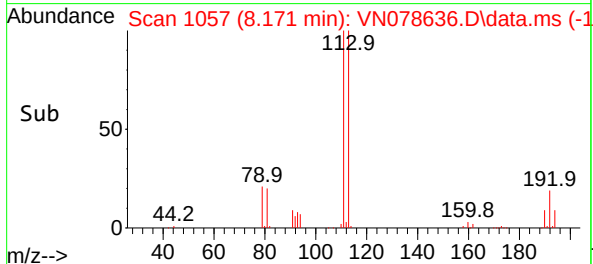
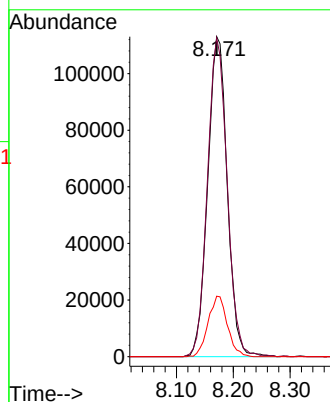
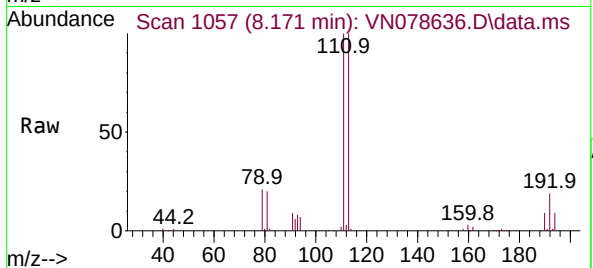
Tgt Ion:113 Resp: 269510

Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

192 18.6 12.7 19.1



#39

Methylcyclohexane

Concen: 2.167 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

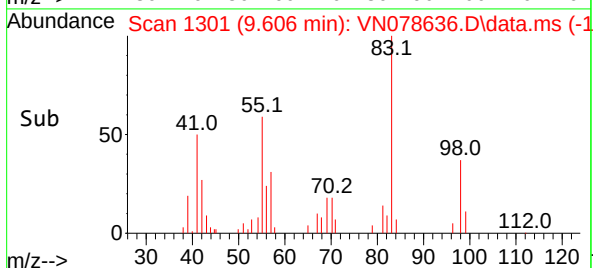
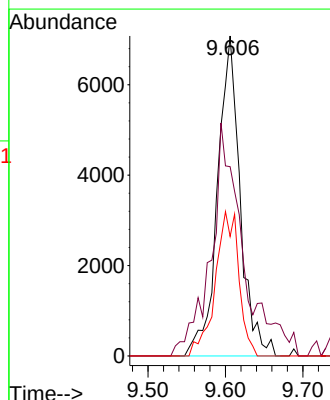
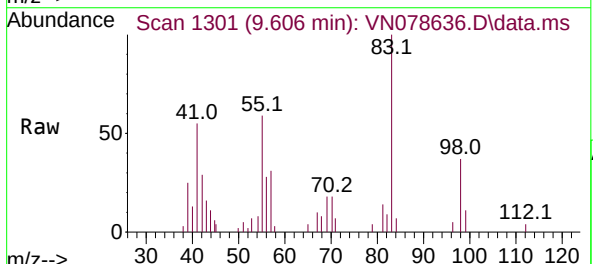
Tgt Ion: 83 Resp: 14382

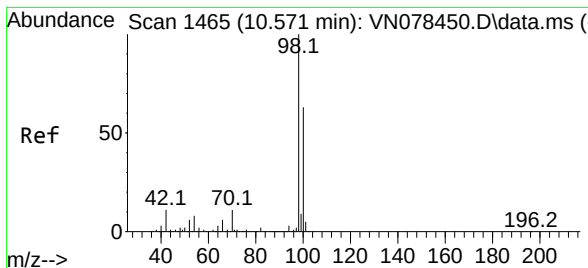
Ion Ratio Lower Upper

83 100

55 54.7 49.1 73.7

98 37.4 40.6 61.0#

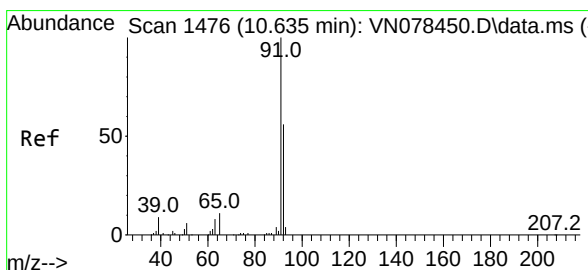
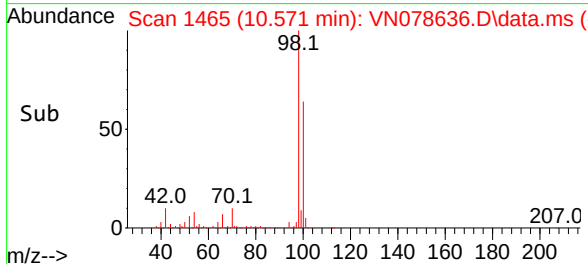
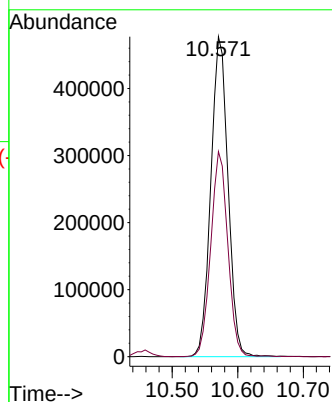
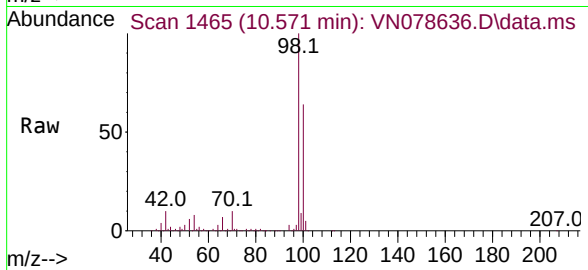




#50
Toluene-d8
Concen: 45.620 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

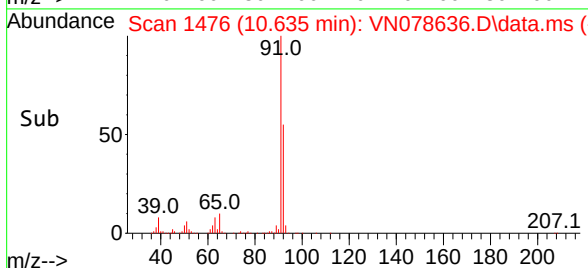
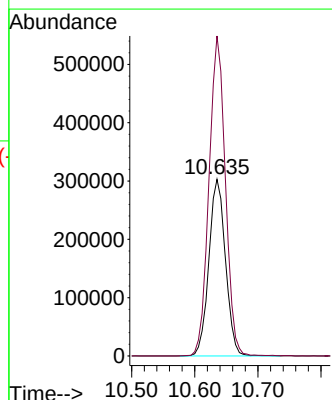
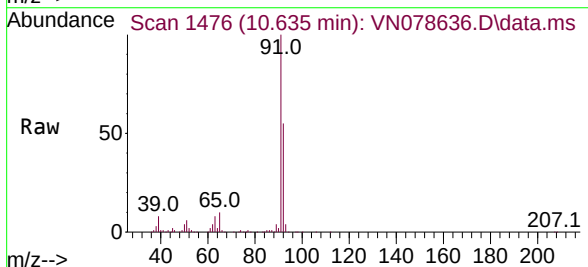
Instrument :
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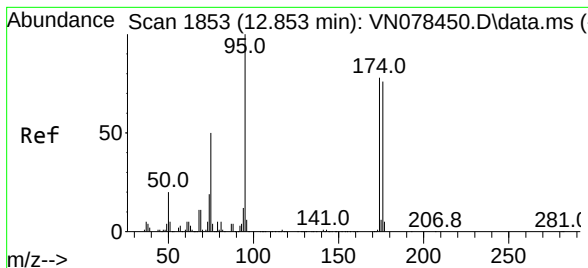
Tgt Ion: 98 Resp: 867898
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#52
Toluene
Concen: 41.403 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

Tgt Ion: 92 Resp: 552794
Ion Ratio Lower Upper
92 100
91 179.2 137.4 206.0

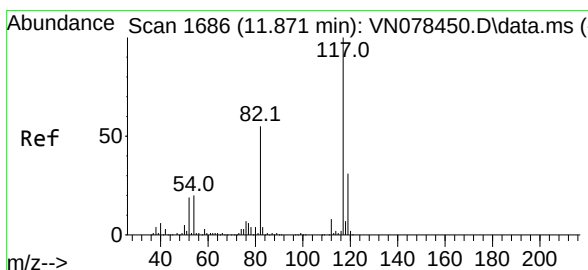
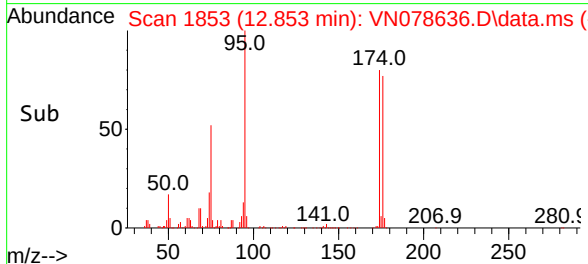
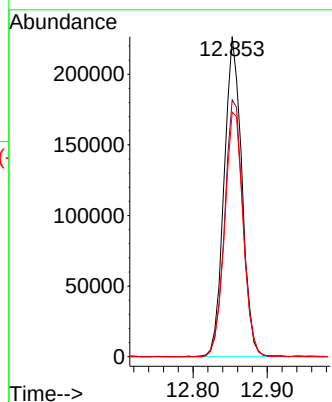
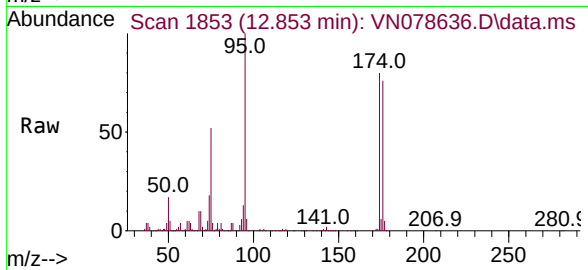




#62
4-Bromofluorobenzene
Concen: 64.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

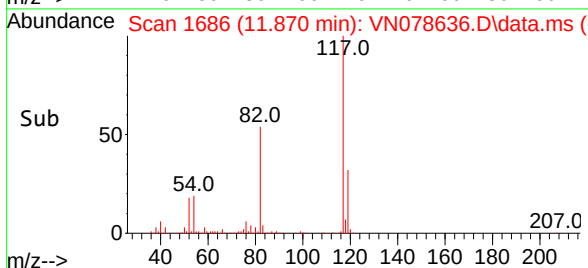
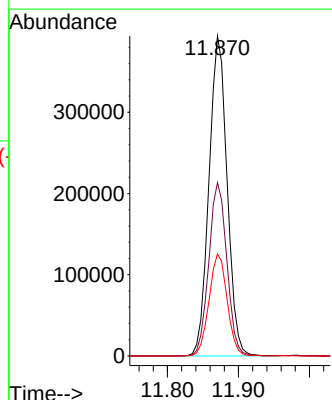
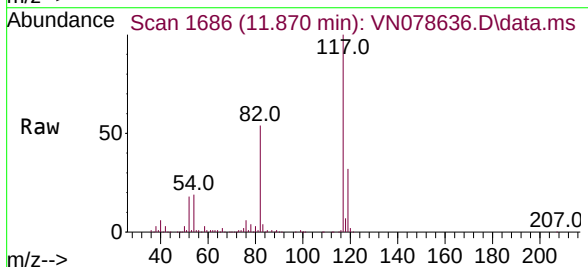
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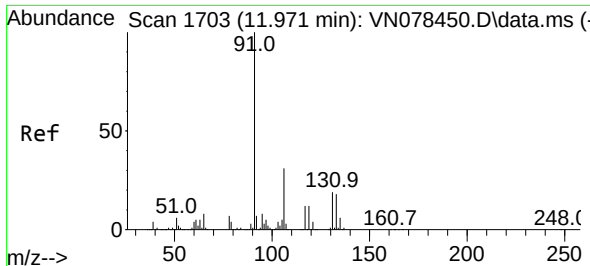
Tgt Ion: 95 Resp: 376990
Ion Ratio Lower Upper
95 100
174 82.7 0.0 143.8
176 79.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

Tgt Ion: 117 Resp: 698106
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 31.9 25.6 38.4

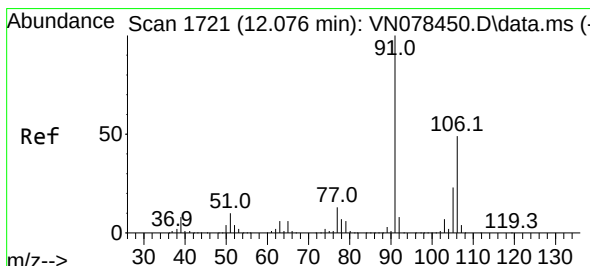
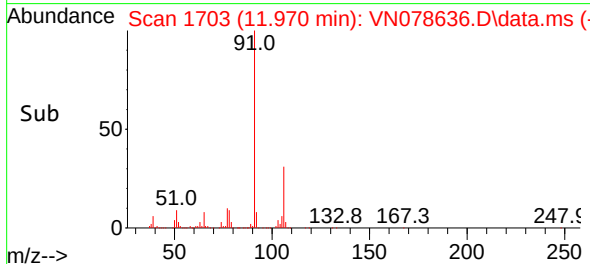
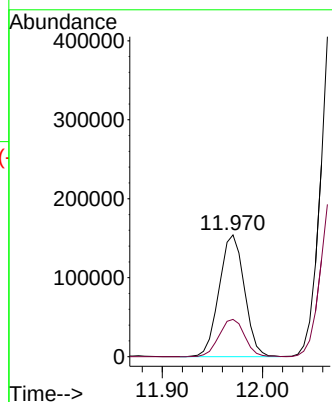
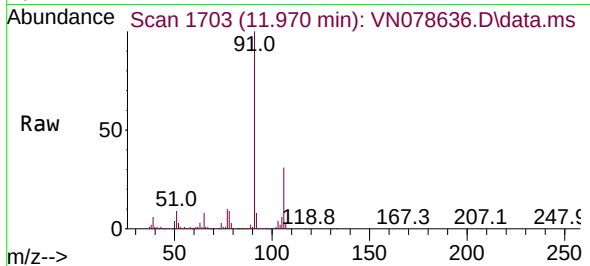




#67
Ethyl Benzene
Concen: 10.234 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

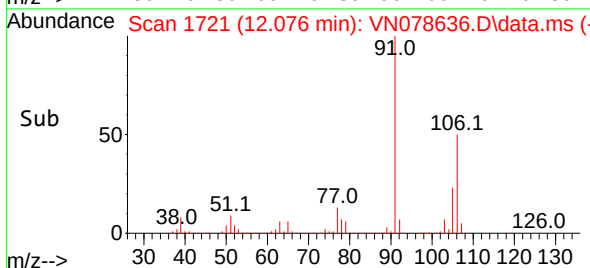
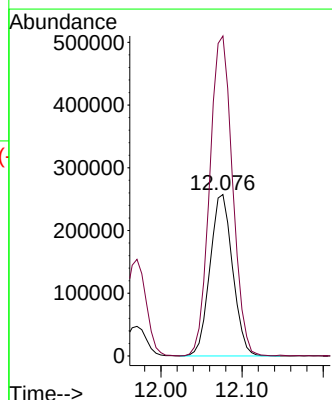
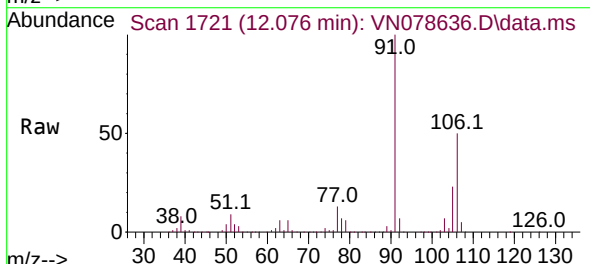
Instrument :
MSVOA_N
ClientSampleId :
SWC-1ME

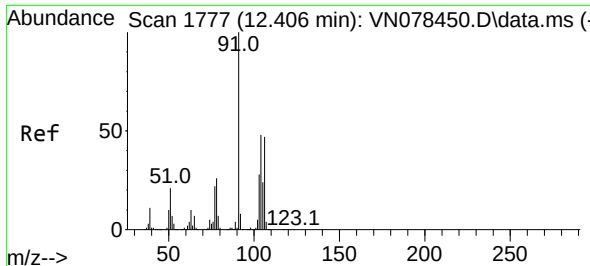
Tgt Ion: 91 Resp: 269939
Ion Ratio Lower Upper
91 100
106 30.6 25.6 38.4



#68
m/p-Xylenes
Concen: 51.081 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

Tgt Ion:106 Resp: 498148
Ion Ratio Lower Upper
106 100
91 199.9 159.6 239.4

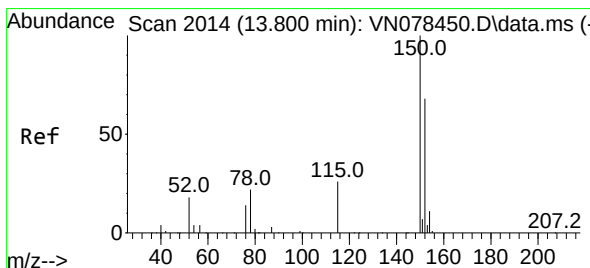
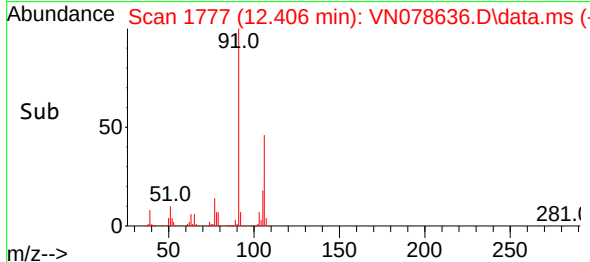
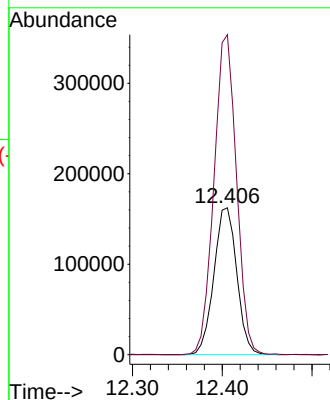
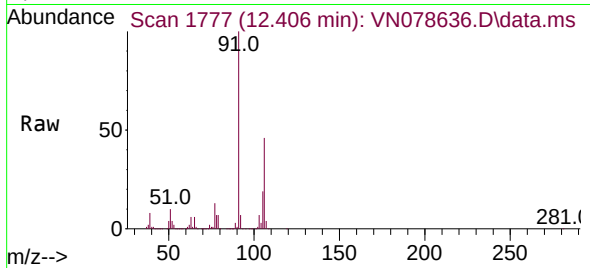




#69
o-Xylene
Concen: 29.235 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

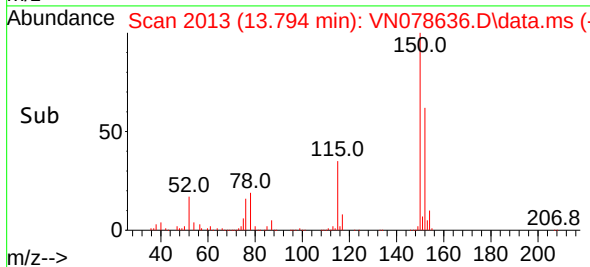
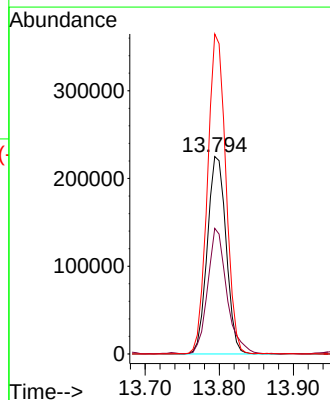
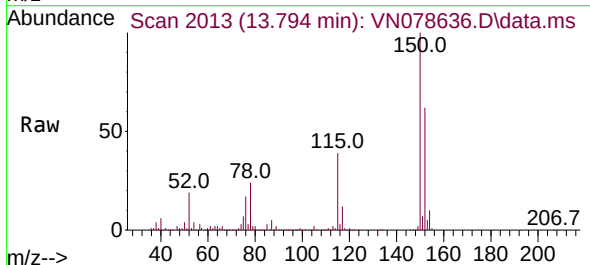
Instrument :
MSVOA_N
ClientSampleId :
SWC-1ME

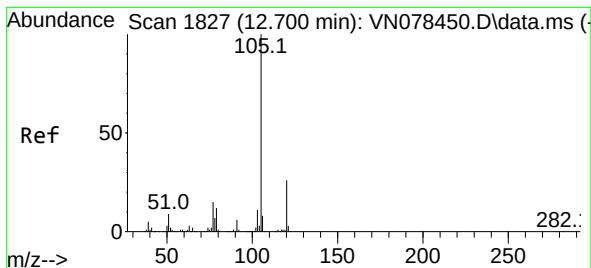
Tgt Ion:106 Resp: 287971
Ion Ratio Lower Upper
106 100
91 214.2 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078636.D
Acq: 24 Jul 2023 14:17

Tgt Ion:152 Resp: 396040
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 158.5 0.0 355.8





#73

Isopropylbenzene

Concen: 1.531 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

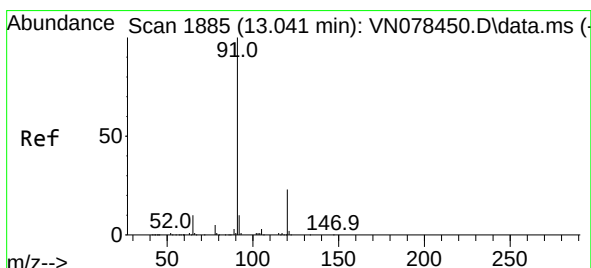
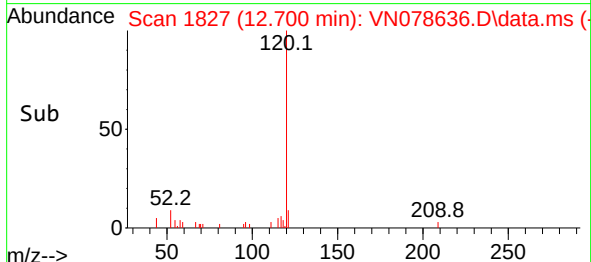
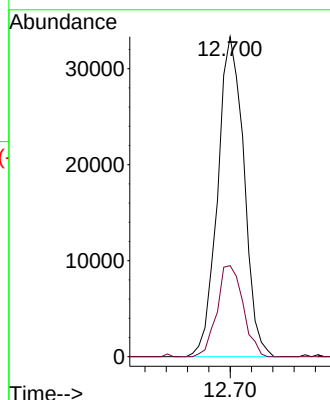
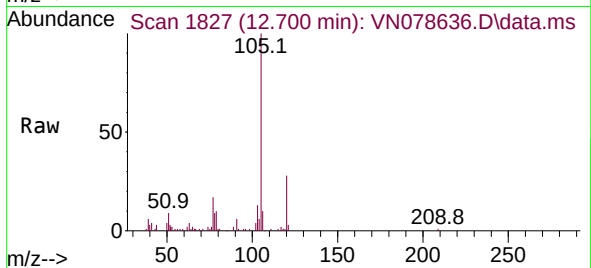
SWC-1ME

Tgt Ion:105 Resp: 56976

Ion Ratio Lower Upper

105 100

120 28.3 13.1 39.1



#78

n-propylbenzene

Concen: 4.602 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN078636.D

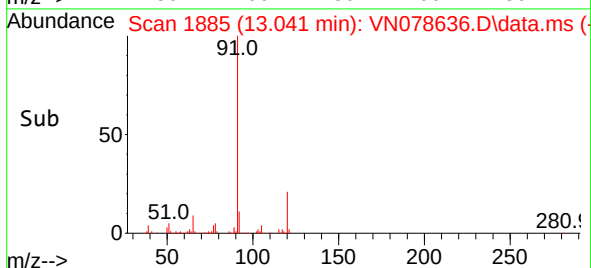
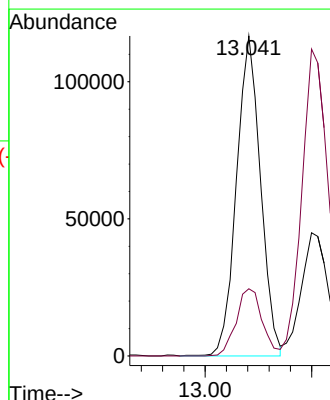
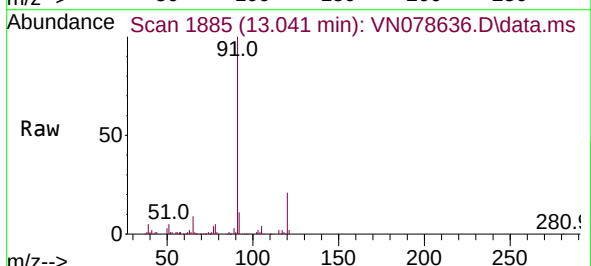
Acq: 24 Jul 2023 14:17

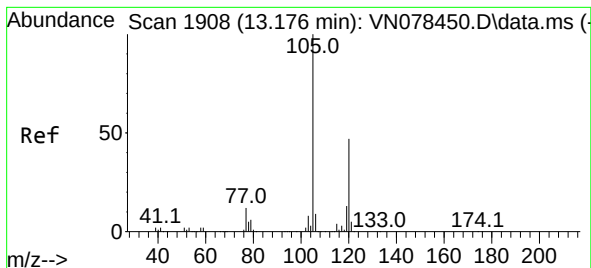
Tgt Ion: 91 Resp: 183140

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 12.333 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

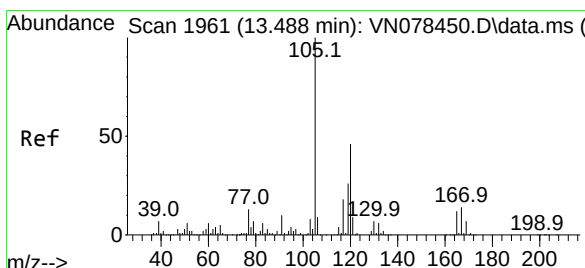
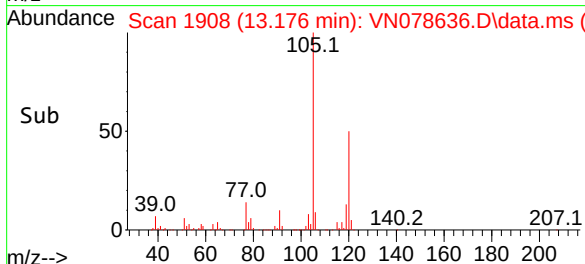
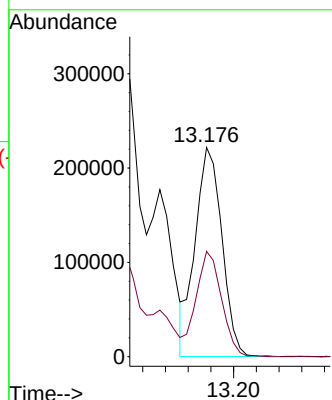
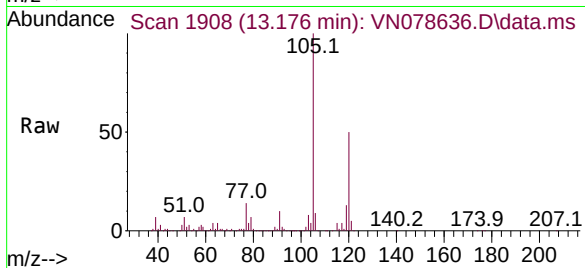
SWC-1ME

Tgt Ion:105 Resp: 362646

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 42.989 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078636.D

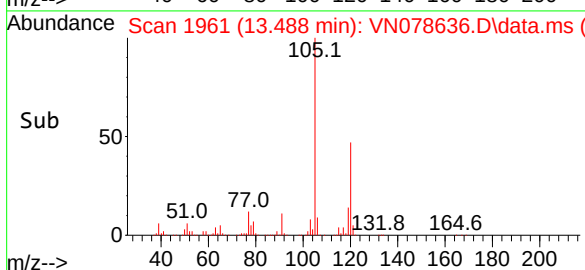
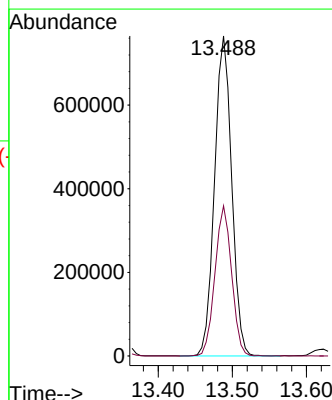
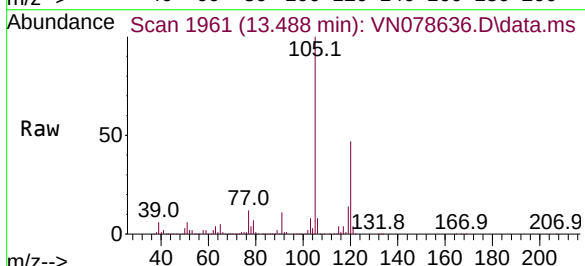
Acq: 24 Jul 2023 14:17

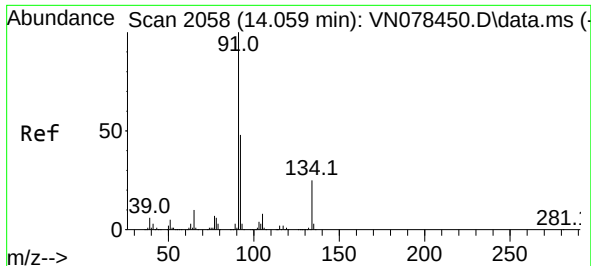
Tgt Ion:105 Resp: 1227776

Ion Ratio Lower Upper

105 100

120 45.6 22.0 66.0





#89

n-Butylbenzene

Concen: 2.402 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

Instrument :

MSVOA_N

ClientSampleId :

SWC-1ME

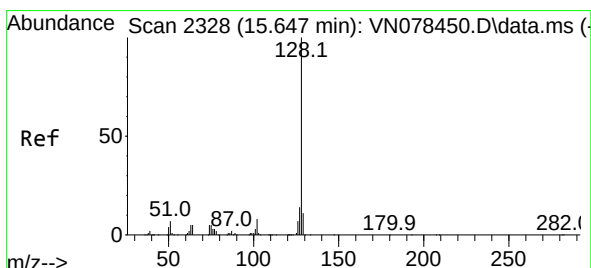
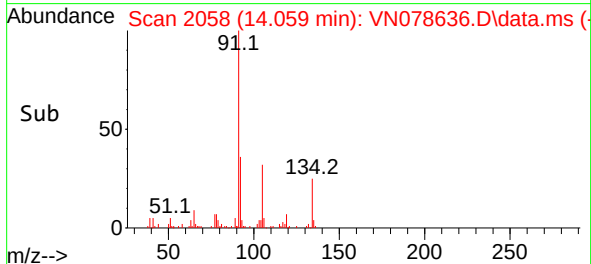
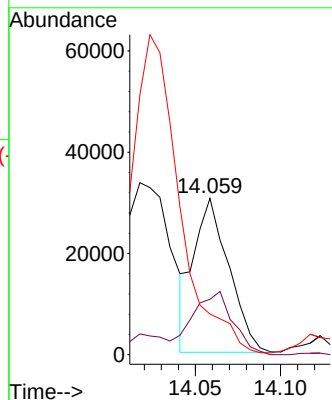
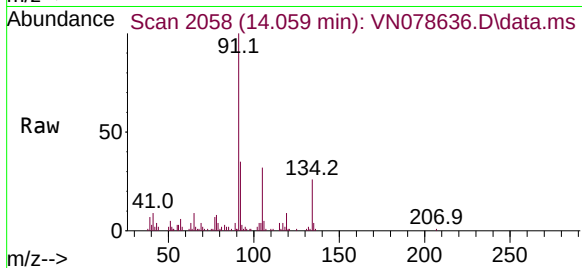
Tgt Ion: 91 Resp: 43540

Ion Ratio Lower Upper

91 100

92 47.4 26.4 79.0

134 0.0 12.6 37.6#



#95

Naphthalene

Concen: 28.124 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078636.D

Acq: 24 Jul 2023 14:17

Tgt Ion:128 Resp: 436269

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 11.2 8.7 13.1

