

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080114.D
 Acq On : 15 Nov 2023 16:41
 Operator : JC\MD
 Sample : 05417-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1115

Quant Time: Nov 15 21:55:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

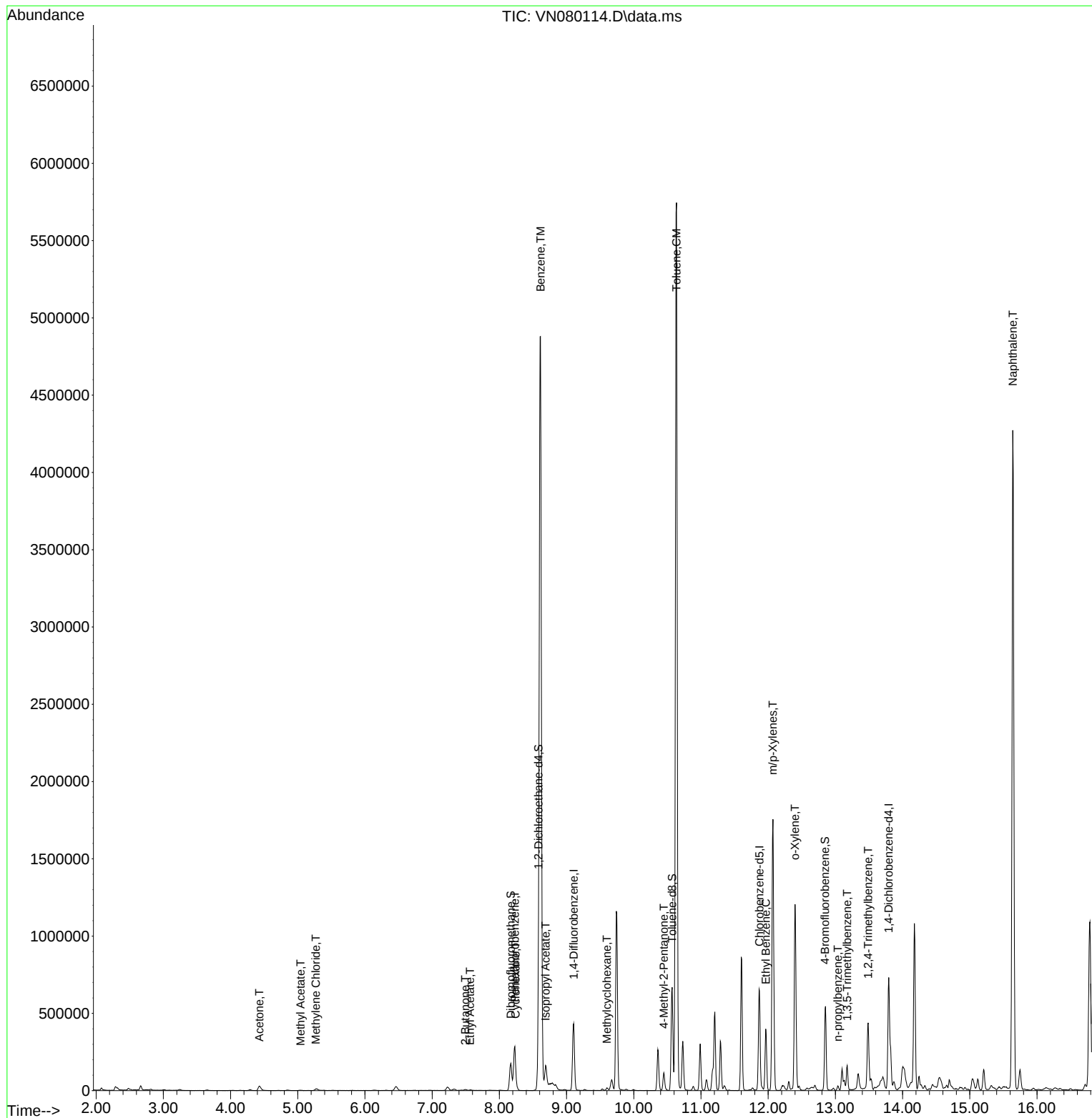
Internal Standards						
1) Pentafluorobenzene	8.229	168	191061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	361958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	372400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	161722	55.558	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.120%
35) Dibromofluoromethane	8.171	113	122454	47.800	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.600%
50) Toluene-d8	10.571	98	457346	48.495	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.980%
62) 4-Bromofluorobenzene	12.847	95	186616	59.665	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.320%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	54916	53.709	ug/l	99
18) Methyl Acetate	5.041	43	5057	1.034	ug/l #	77
20) Methylene Chloride	5.271	84	8867	3.437	ug/l #	88
25) 2-Butanone	7.494	43	8895	5.941	ug/l	97
31) Cyclohexane	8.241	56	11802	3.068	ug/l #	76
37) Ethyl Acetate	7.565	43	4106	1.224	ug/l #	75
39) Methylcyclohexane	9.600	83	6501	1.889	ug/l	92
40) Benzene	8.612	78	5098550	465.379	ug/l	100
43) Isopropyl Acetate	8.688	43	194948	33.137	ug/l #	76
51) 4-Methyl-2-Pentanone	10.447	43	72512	21.893	ug/l	94
52) Toluene	10.635	92	2580666	397.332	ug/l	100
67) Ethyl Benzene	11.965	91	276607	19.654	ug/l	96
68) m/p-Xylenes	12.070	106	529950	101.081	ug/l	87
69) o-Xylene	12.400	106	301240	59.668	ug/l	87
78) n-propylbenzene	13.035	91	22880	1.410	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	87829	7.969	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	268096	24.724	ug/l	90
95) Naphthalene	15.641	128	3813004	388.247	ug/l	99

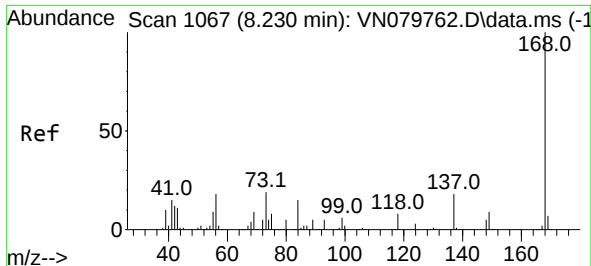
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
Data File : VN080114.D
Acq On : 15 Nov 2023 16:41
Operator : JC\MD
Sample : 05417-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1115

Quant Time: Nov 15 21:55:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration

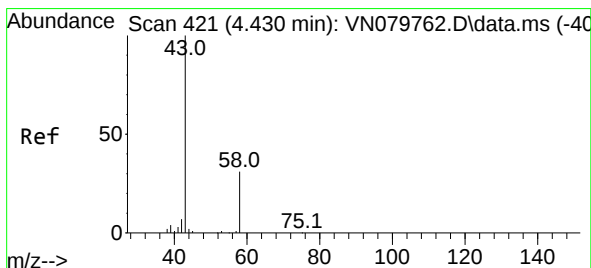
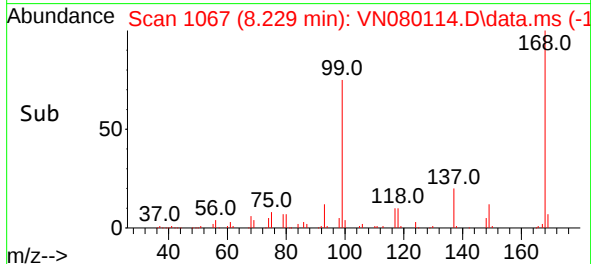
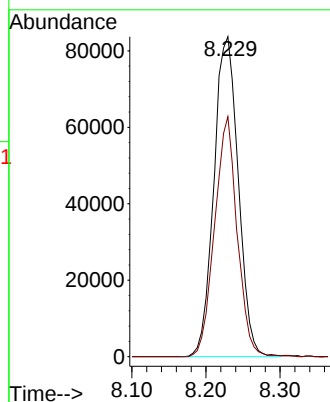
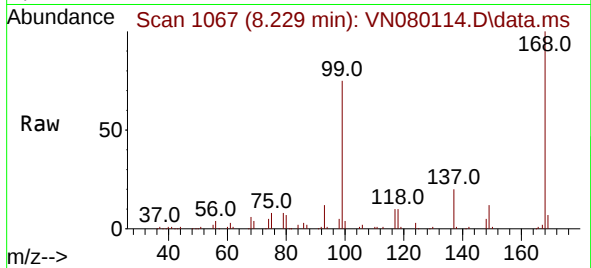




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11115
Delta R.T. 0.001 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

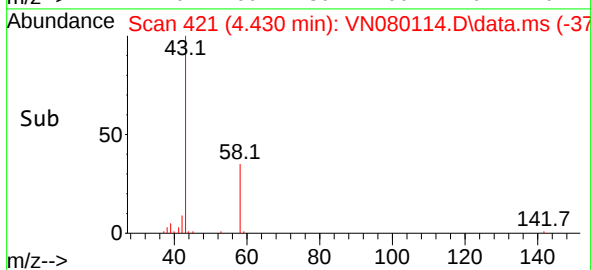
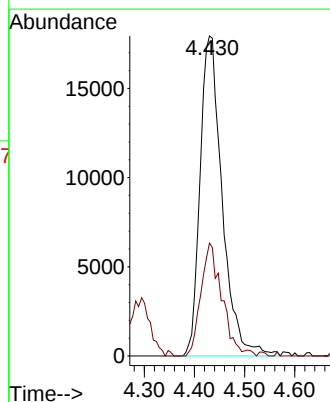
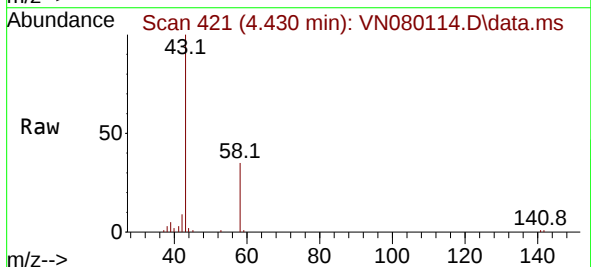
Instrument :
MSVOA_N
ClientSampleId :
1115

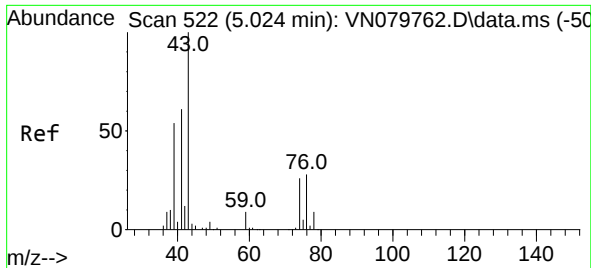
Tgt Ion:168 Resp: 191061
Ion Ratio Lower Upper
168 100
99 75.0 53.0 79.6



#16
Acetone
Concen: 53.709 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion: 43 Resp: 54916
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0

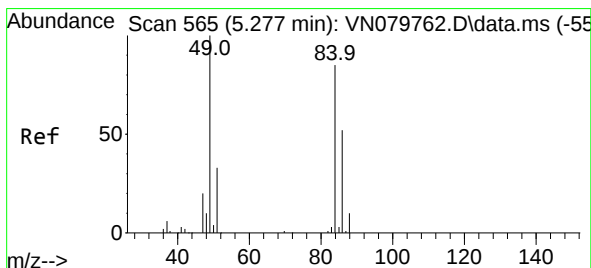
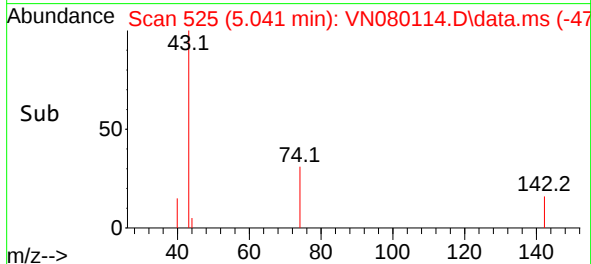
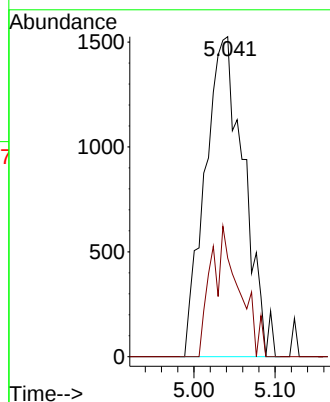
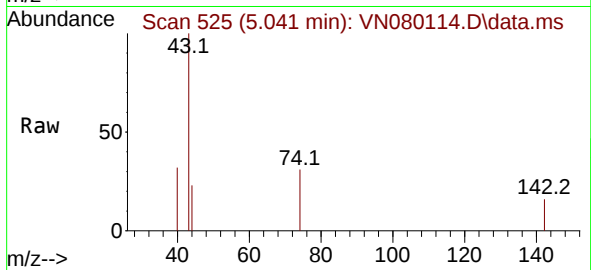




#18
Methyl Acetate
Concen: 1.034 ug/l
RT: 5.041 min Scan# 511
Delta R.T. 0.018 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

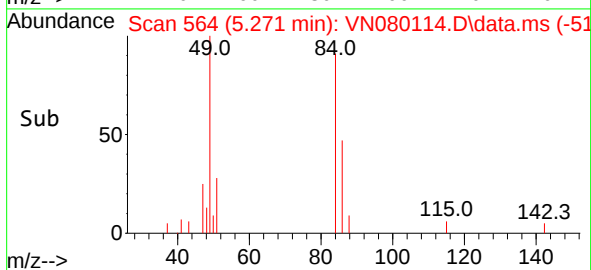
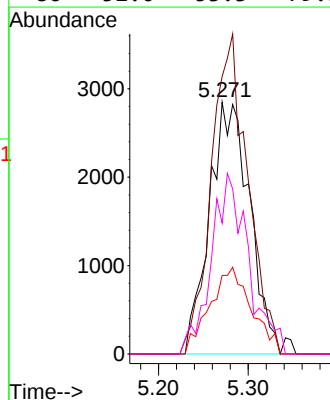
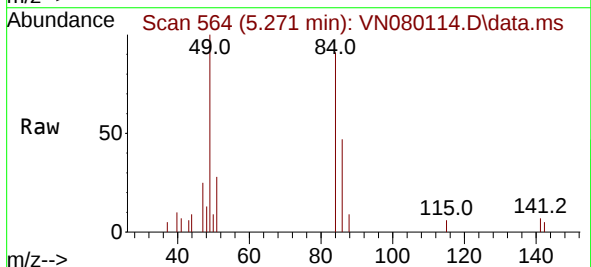
Instrument :
MSVOA_N
ClientSampleId :
1115

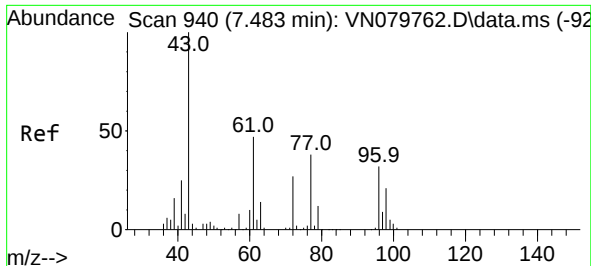
Tgt Ion: 43 Resp: 5057
Ion Ratio Lower Upper
43 100
74 19.8 26.2 39.4#



#20
Methylene Chloride
Concen: 3.437 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion: 84 Resp: 8867
Ion Ratio Lower Upper
84 100
49 110.1 79.7 119.5
51 31.2 25.2 37.8
86 52.0 53.3 79.9#

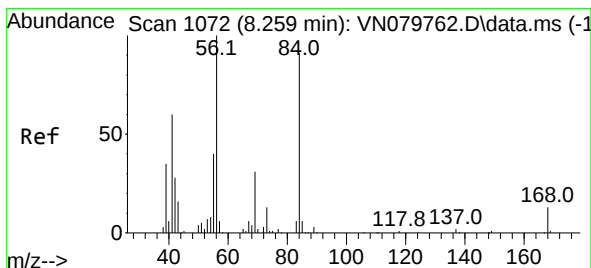
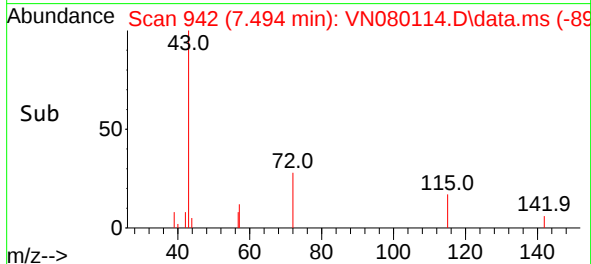
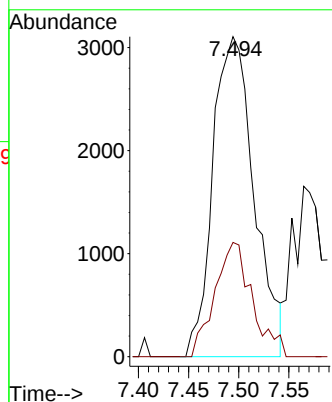
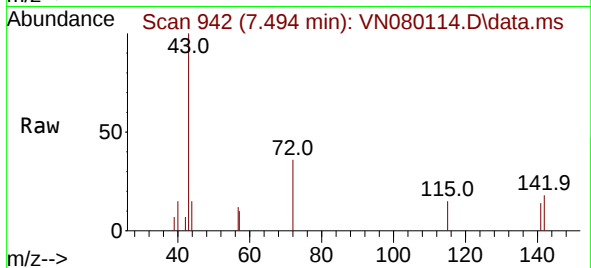




#25
2-Butanone
Concen: 5.941 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

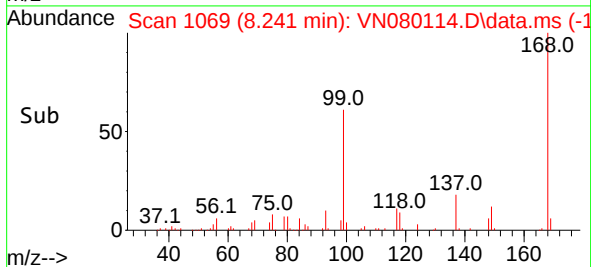
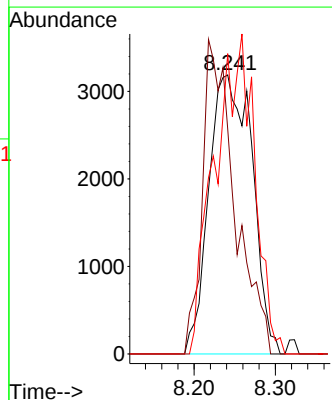
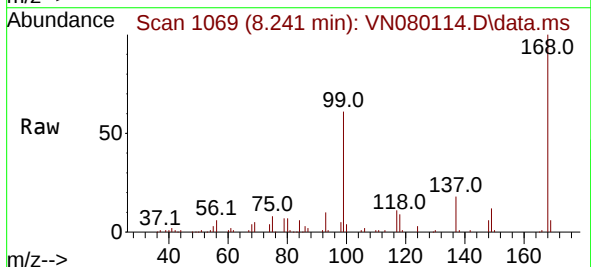
Instrument :
MSVOA_N
ClientSampleId :
1115

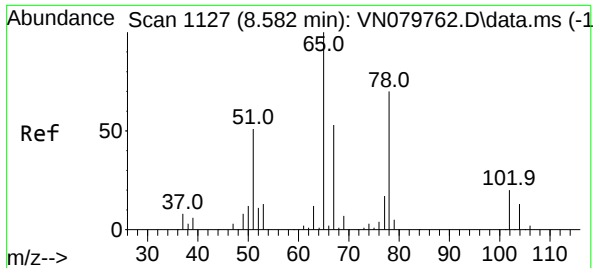
Tgt Ion: 43 Resp: 8895
Ion Ratio Lower Upper
43 100
72 35.7 30.2 45.2



#31
Cyclohexane
Concen: 3.068 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.018 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion: 56 Resp: 11802
Ion Ratio Lower Upper
56 100
69 80.6 26.8 40.2#
84 107.6 81.8 122.6

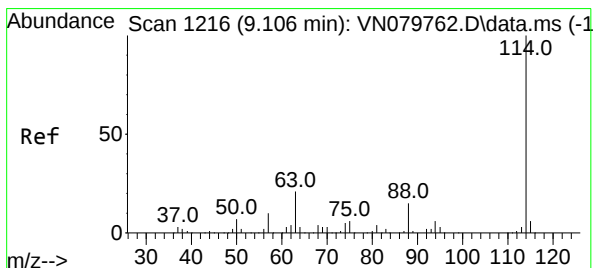
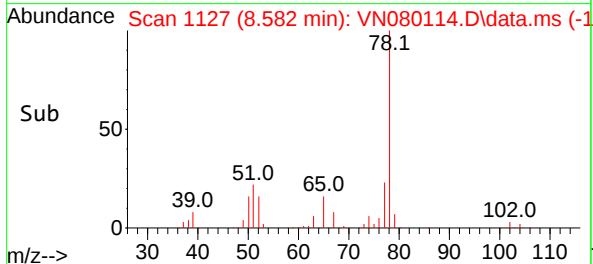
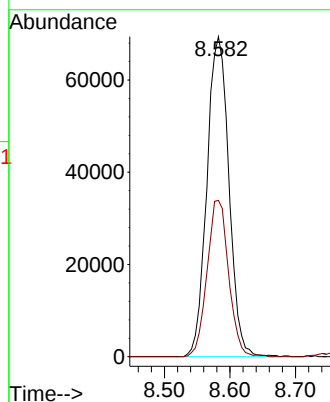
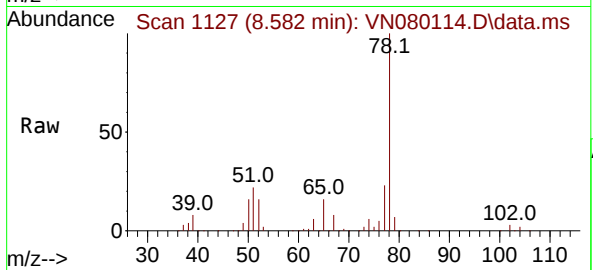




#33
1,2-Dichloroethane-d4
Concen: 55.558 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

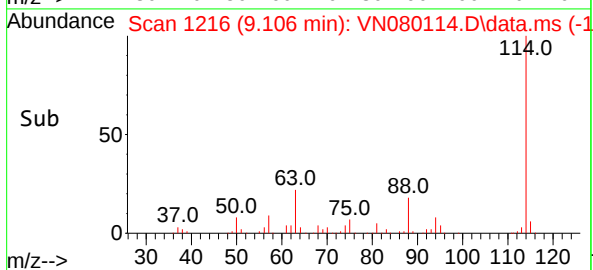
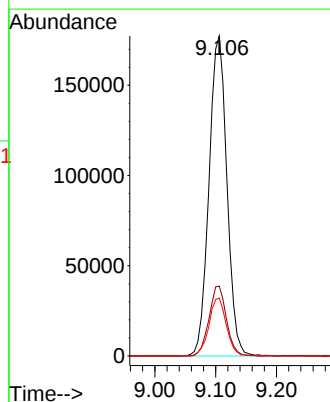
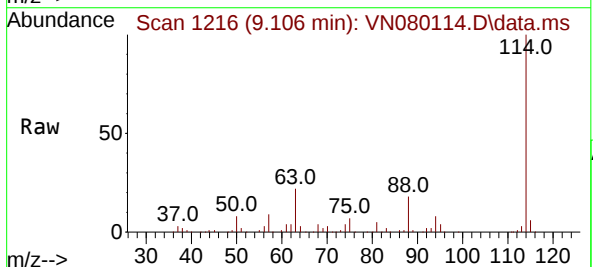
Instrument :
MSVOA_N
ClientSampleId :
1115

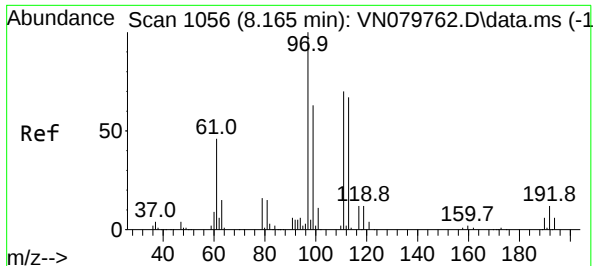
Tgt Ion: 65 Resp: 161722
Ion Ratio Lower Upper
65 100
67 47.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion: 114 Resp: 361958
Ion Ratio Lower Upper
114 100
63 21.8 0.0 36.4
88 18.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.800 ug/l

RT: 8.171 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN080114.D

Acq: 15 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

1115

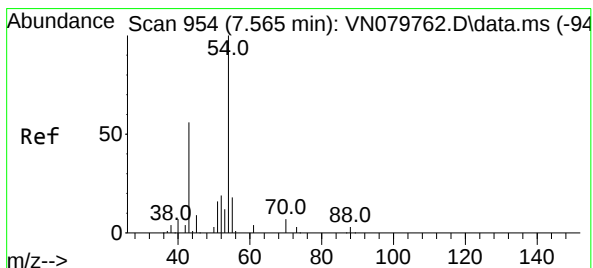
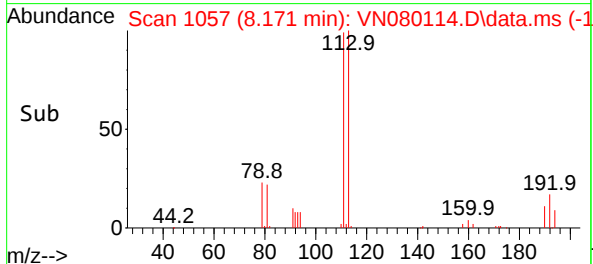
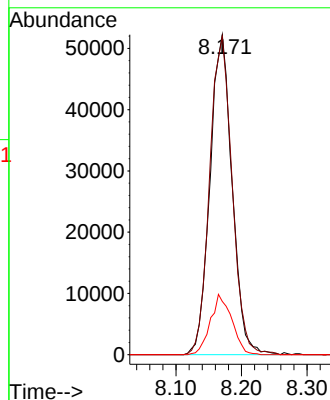
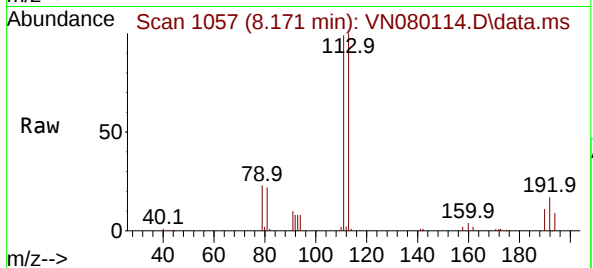
Tgt Ion:113 Resp: 122454

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

192 18.2 12.7 19.1



#37

Ethyl Acetate

Concen: 1.224 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.000 min

Lab File: VN080114.D

Acq: 15 Nov 2023 16:41

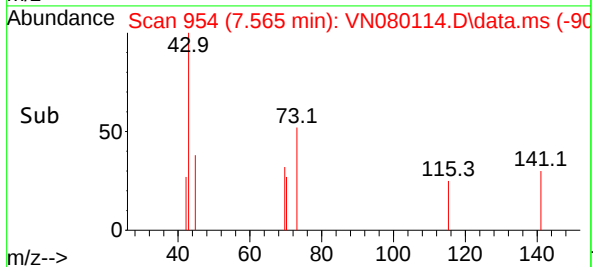
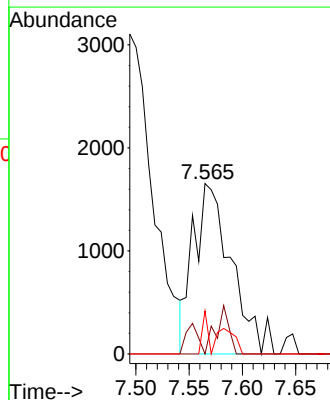
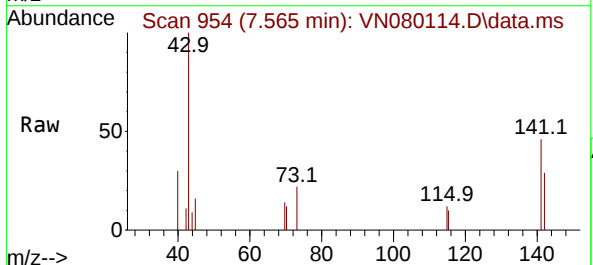
Tgt Ion: 43 Resp: 4106

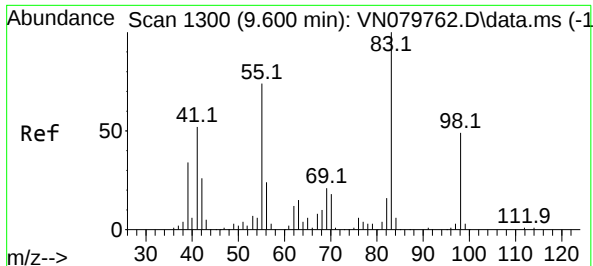
Ion Ratio Lower Upper

43 100

61 5.7 13.2 19.8#

70 3.6 11.3 16.9#





#39

Methylcyclohexane

Concen: 1.889 ug/l

RT: 9.600 min Scan# 1115

Delta R.T. -0.006 min

Lab File: VN080114.D

Acq: 15 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

1115

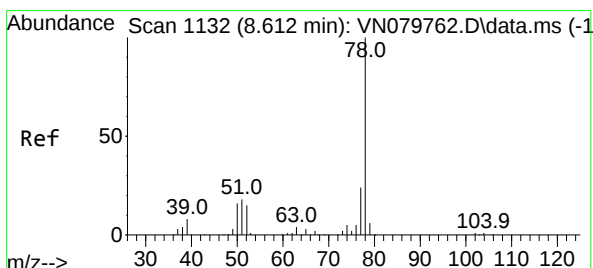
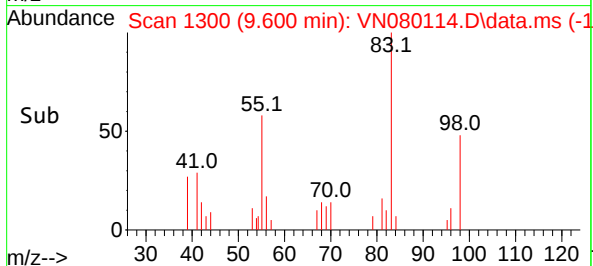
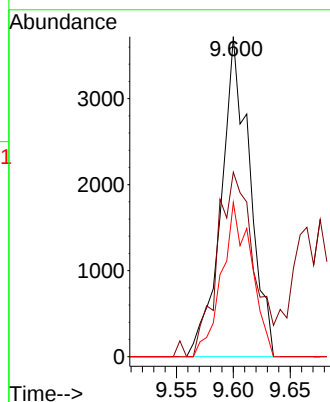
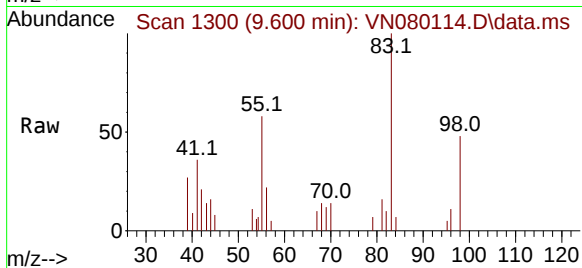
Tgt Ion: 83 Resp: 6501

Ion Ratio Lower Upper

83 100

55 52.7 49.1 73.7

98 48.2 40.6 61.0



#40

Benzene

Concen: 465.379 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN080114.D

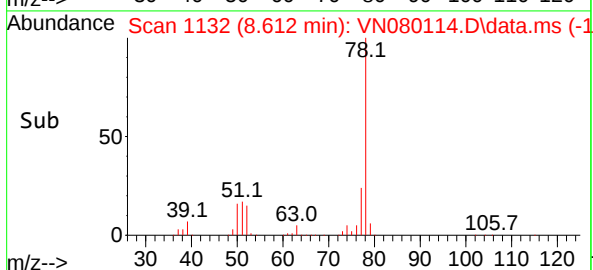
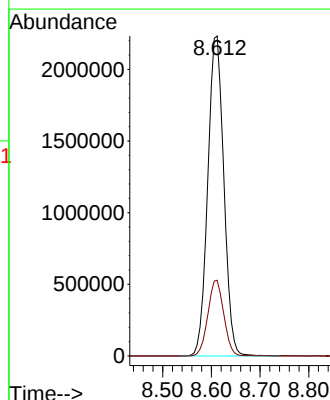
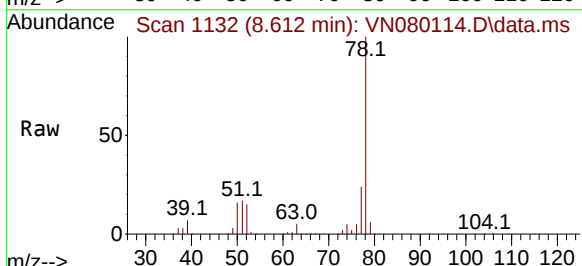
Acq: 15 Nov 2023 16:41

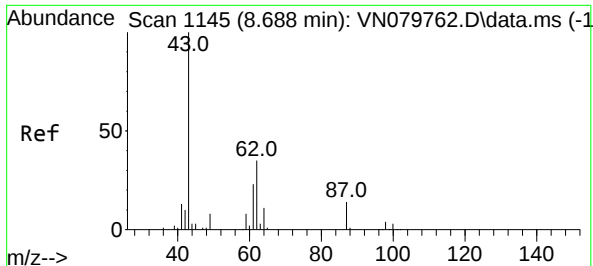
Tgt Ion: 78 Resp: 5098550

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6





#43

Isopropyl Acetate

Concen: 33.137 ug/l

RT: 8.688 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN080114.D

Acq: 15 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

1115

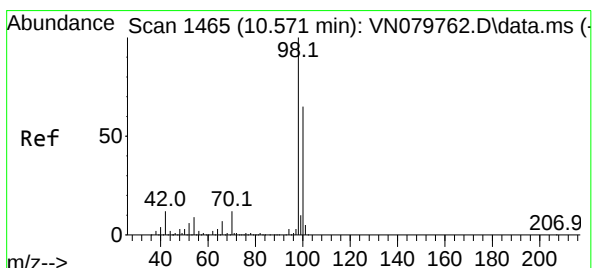
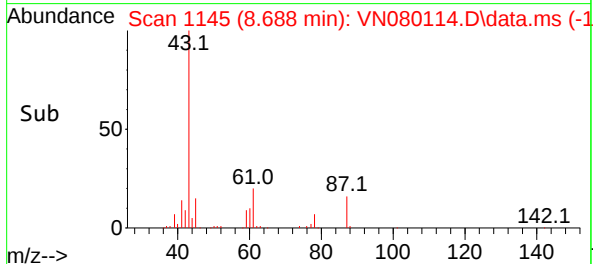
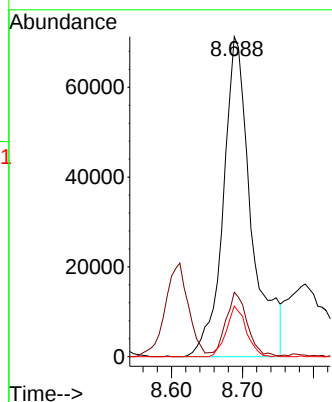
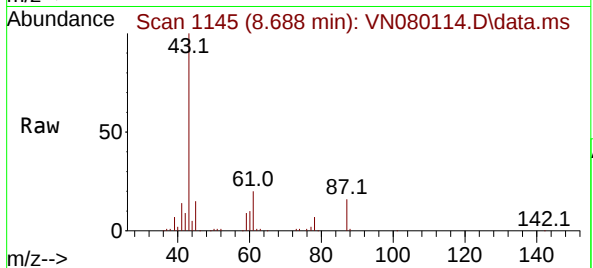
Tgt Ion: 43 Resp: 194948

Ion Ratio Lower Upper

43 100

61 15.4 24.7 37.1#

87 11.2 14.6 21.8#



#50

Toluene-d8

Concen: 48.495 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080114.D

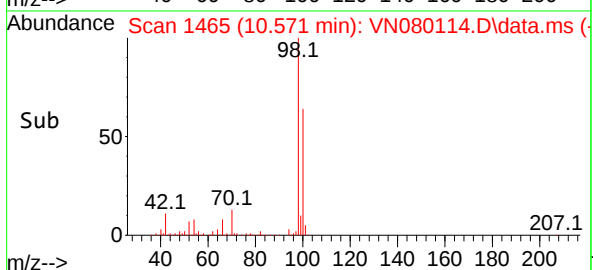
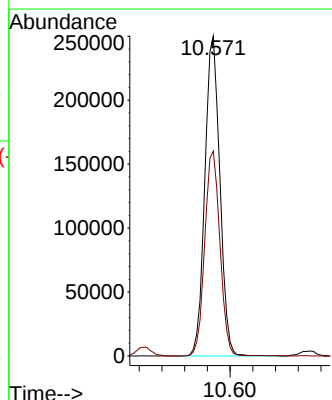
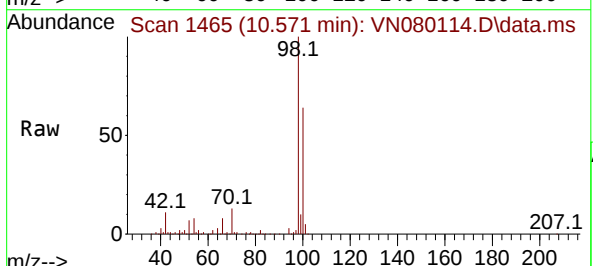
Acq: 15 Nov 2023 16:41

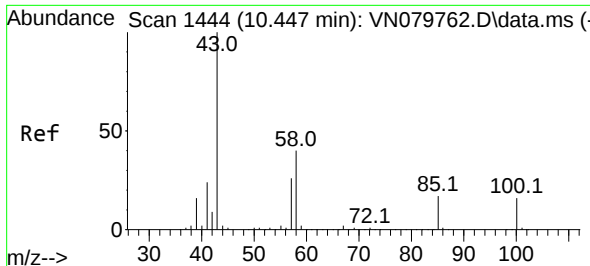
Tgt Ion: 98 Resp: 457346

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

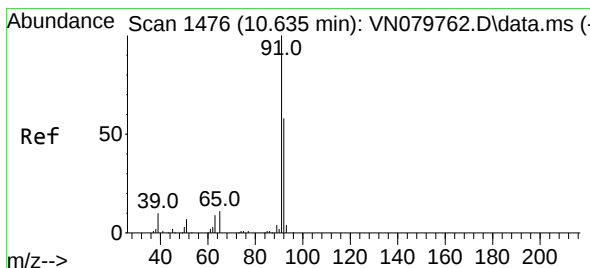
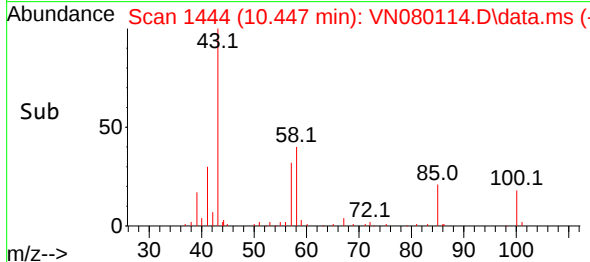
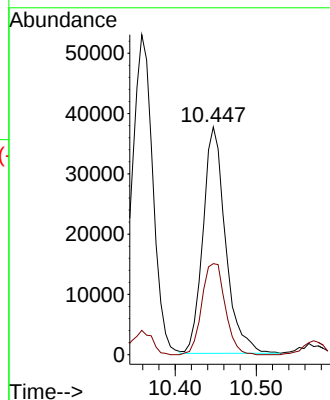
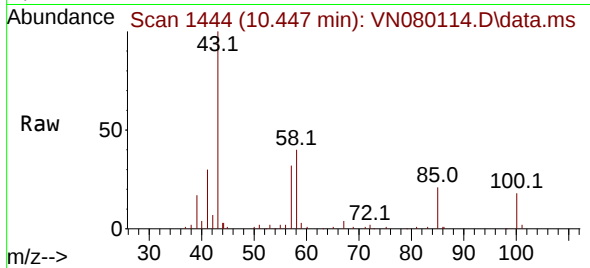




#51
4-Methyl-2-Pentanone
Concen: 21.893 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

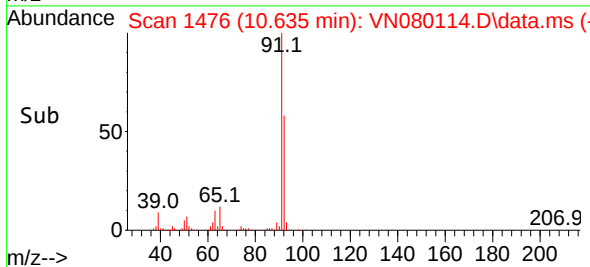
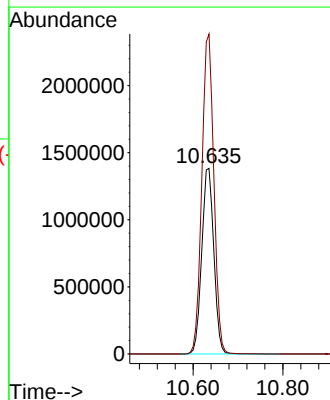
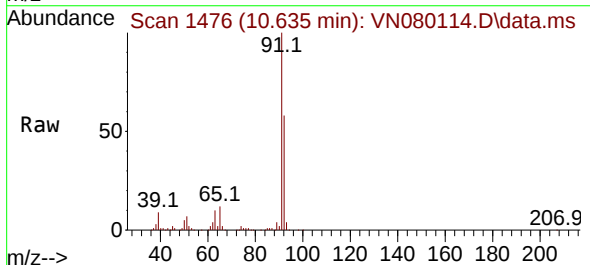
Instrument :
MSVOA_N
ClientSampleId :
1115

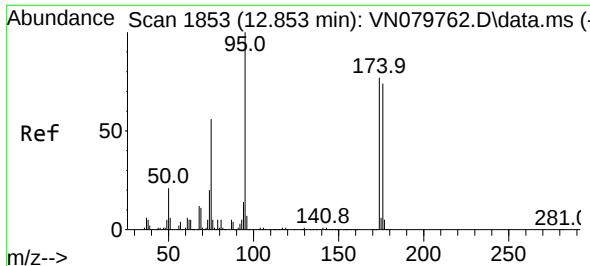
Tgt Ion: 43 Resp: 72512
Ion Ratio Lower Upper
43 100
58 41.5 36.6 54.8



#52
Toluene
Concen: 397.332 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion: 92 Resp: 2580666
Ion Ratio Lower Upper
92 100
91 171.3 137.4 206.0

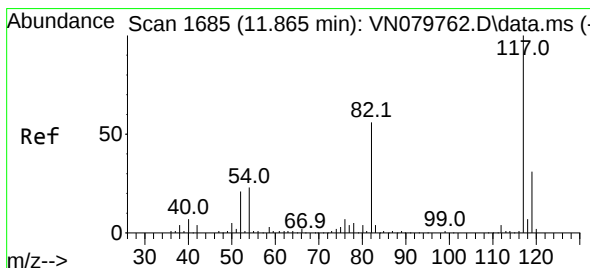
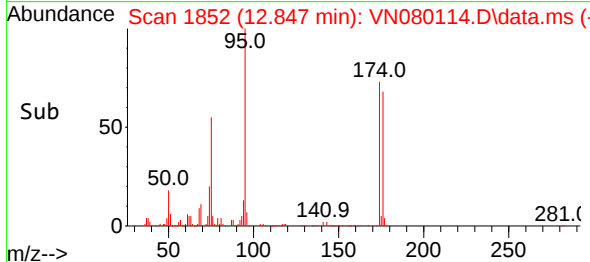
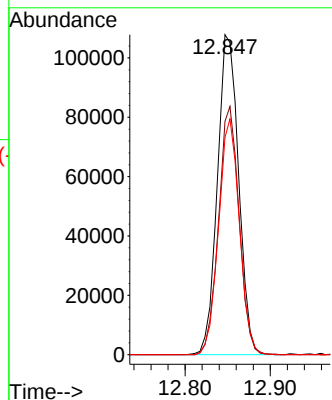
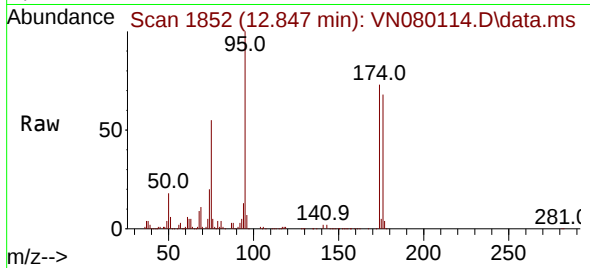




#62
4-Bromofluorobenzene
Concen: 59.665 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

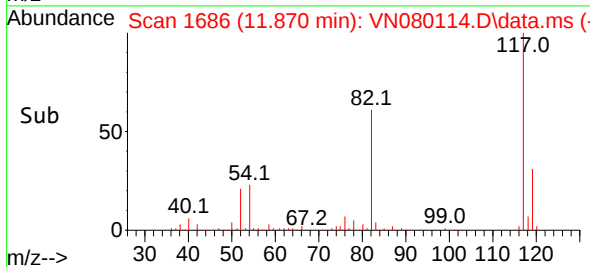
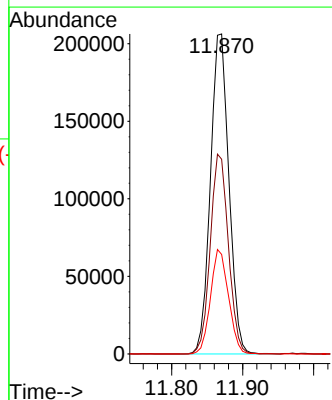
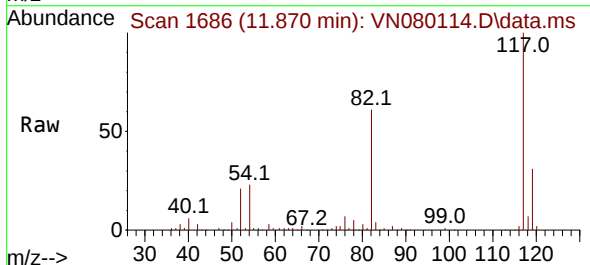
Instrument :
MSVOA_N
ClientSampleId :
1115

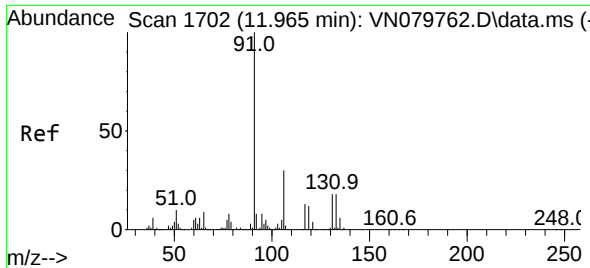
Tgt Ion: 95 Resp: 186616
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 72.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion: 117 Resp: 372400
Ion Ratio Lower Upper
117 100
82 60.8 44.0 66.0
119 31.1 25.6 38.4

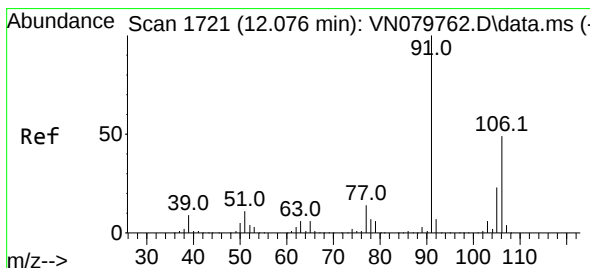
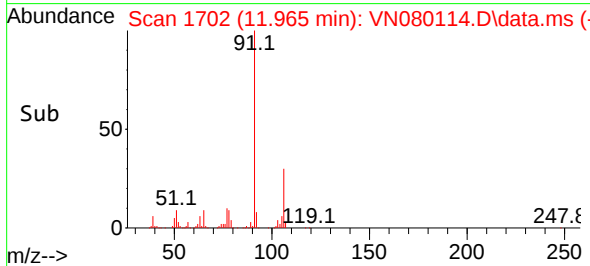
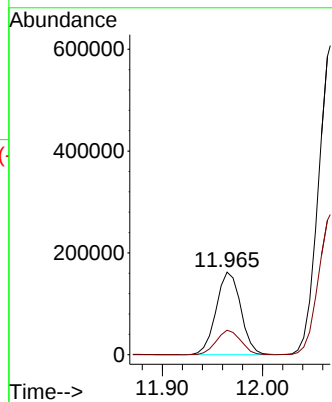
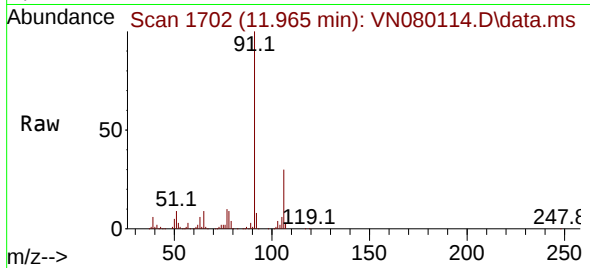




#67
Ethyl Benzene
Concen: 19.654 ug/l
RT: 11.965 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

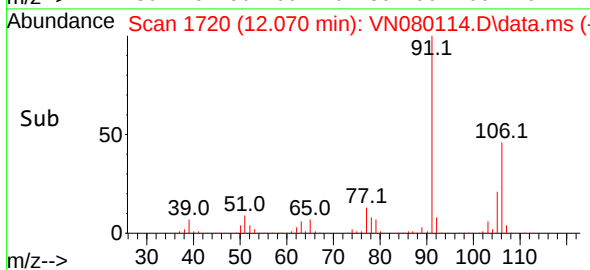
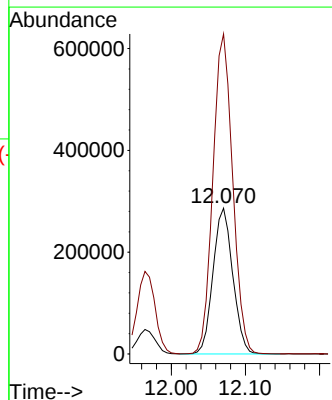
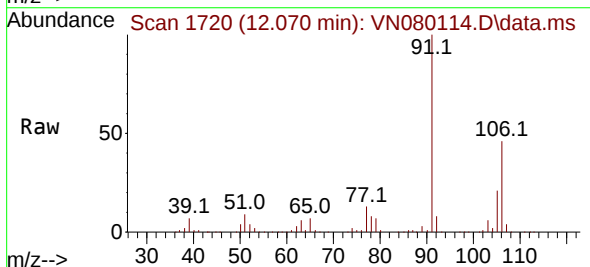
Instrument :
MSVOA_N
ClientSampleId :
1115

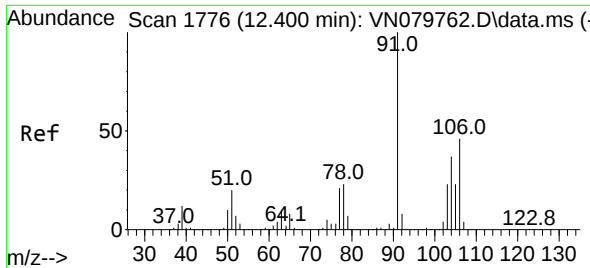
Tgt Ion: 91 Resp: 276607
Ion Ratio Lower Upper
91 100
106 29.7 25.6 38.4



#68
m/p-Xylenes
Concen: 101.081 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion:106 Resp: 529950
Ion Ratio Lower Upper
106 100
91 219.5 159.6 239.4

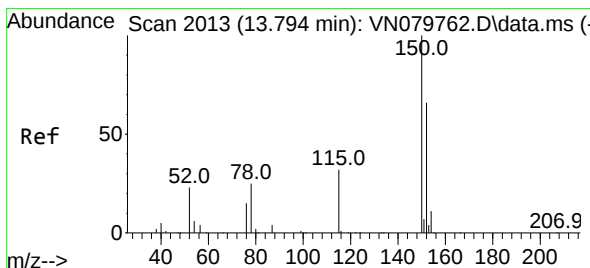
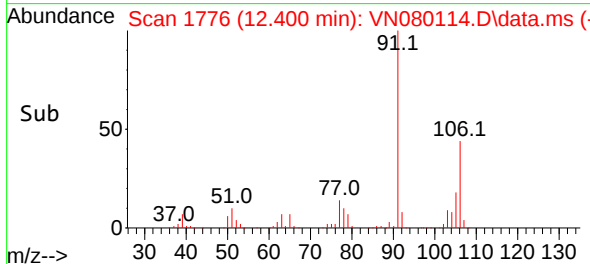
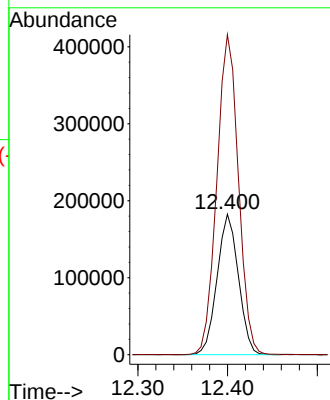
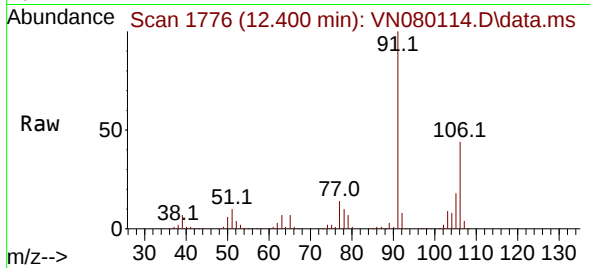




#69
o-Xylene
Concen: 59.668 ug/l
RT: 12.400 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

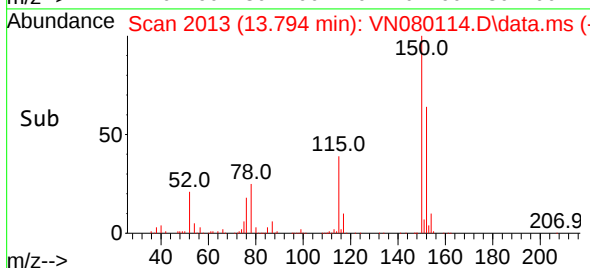
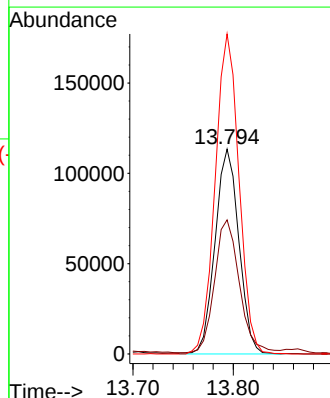
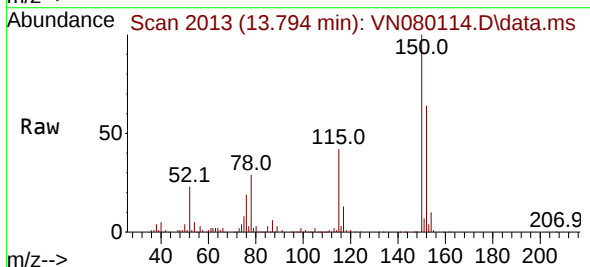
Instrument :
MSVOA_N
ClientSampleId :
1115

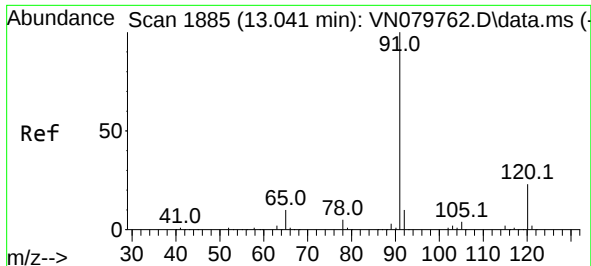
Tgt Ion:106 Resp: 301240
Ion Ratio Lower Upper
106 100
91 230.8 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion:152 Resp: 186655
Ion Ratio Lower Upper
152 100
115 67.5 32.3 96.8
150 155.9 0.0 355.8

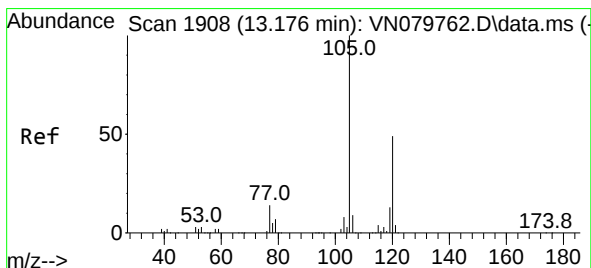
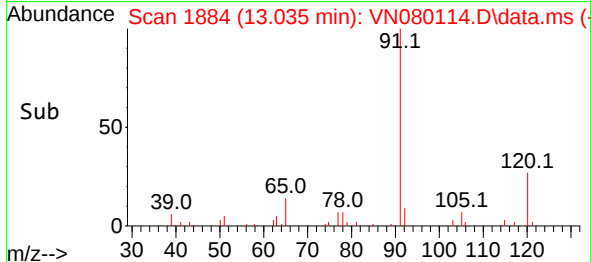
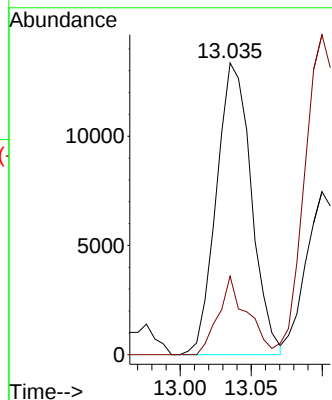
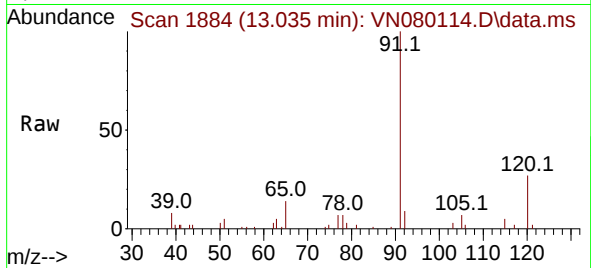




#78
n-propylbenzene
Concen: 1.410 ug/l
RT: 13.035 min Scan# 1115
Delta R.T. -0.006 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

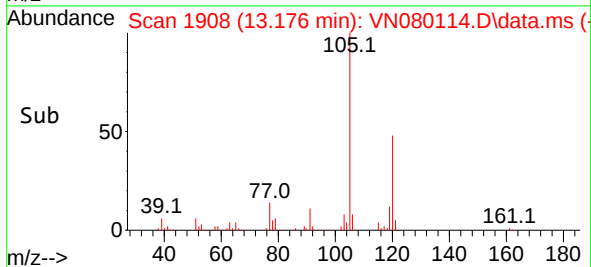
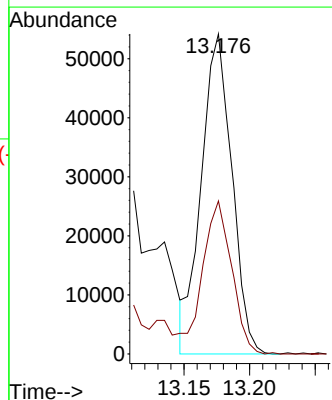
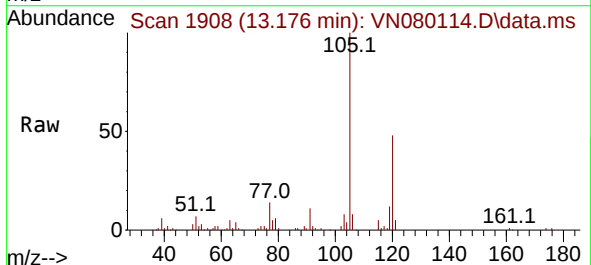
Instrument :
MSVOA_N
ClientSampleId :
1115

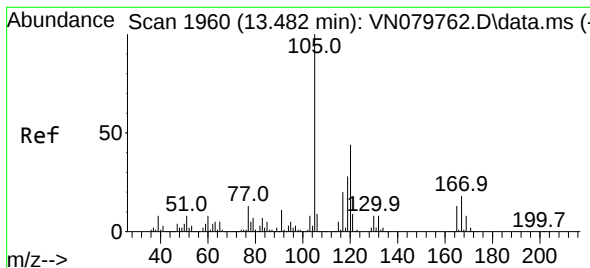
Tgt Ion: 91 Resp: 22880
Ion Ratio Lower Upper
91 100
120 22.0 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 7.969 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080114.D
Acq: 15 Nov 2023 16:41

Tgt Ion:105 Resp: 87829
Ion Ratio Lower Upper
105 100
120 45.4 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 24.724 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN080114.D

Acq: 15 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

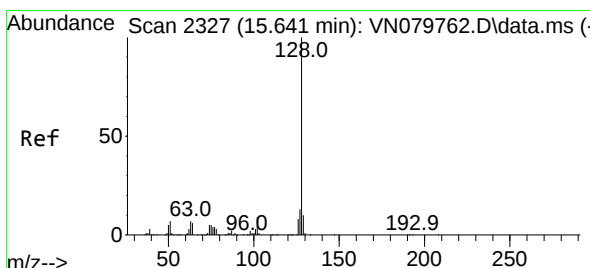
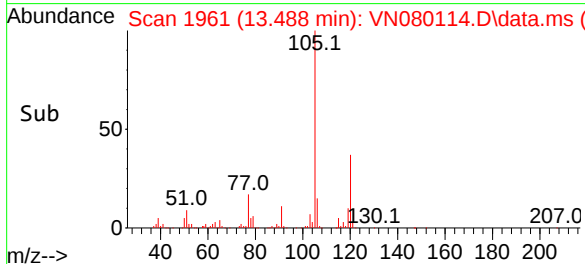
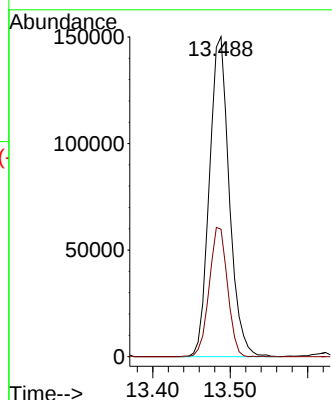
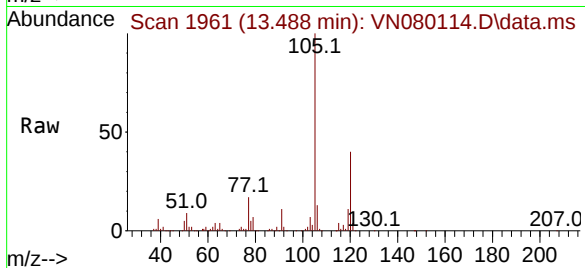
1115

Tgt Ion:105 Resp: 268096

Ion Ratio Lower Upper

105 100

120 37.2 22.0 66.0



#95

Naphthalene

Concen: 388.247 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080114.D

Acq: 15 Nov 2023 16:41

Tgt Ion:128 Resp: 3813004

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 10.9 8.7 13.1

