

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103123\
 Data File : VN079746.D
 Acq On : 31 Oct 2023 16:07
 Operator : JC\MD
 Sample : 05107-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1051

Quant Time: Nov 01 01:22:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

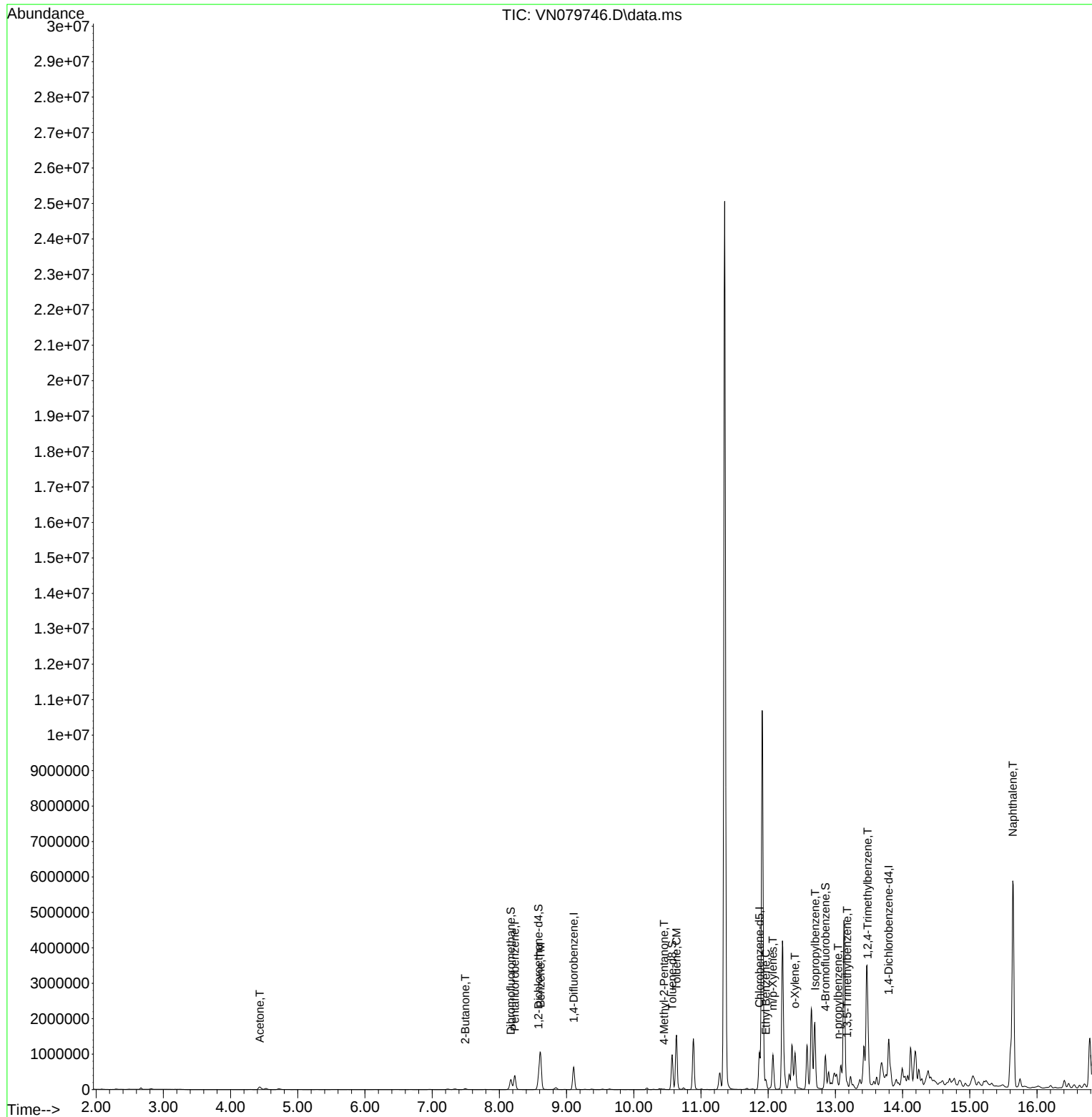
Internal Standards						
1) Pentafluorobenzene	8.229	168	273446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	530456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	580981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	295884	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	227236	51.748	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.500%	
35) Dibromofluoromethane	8.171	113	200070	52.784	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.560%	
50) Toluene-d8	10.570	98	655835	46.414	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.820%	
62) 4-Bromofluorobenzene	12.853	95	310060	69.681	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 139.360%#	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	141907	75.534	ug/l	89
25) 2-Butanone	7.494	43	47010	18.216	ug/l	# 78
40) Benzene	8.612	78	1023627	61.679	ug/l	99
51) 4-Methyl-2-Pentanone	10.453	43	10767	1.942	ug/l	# 79
52) Toluene	10.635	92	659416	65.084	ug/l	99
67) Ethyl Benzene	11.965	91	147129	6.495	ug/l	96
68) m/p-Xylenes	12.070	106	292519	34.911	ug/l	93
69) o-Xylene	12.400	106	186416	23.137	ug/l	92
73) Isopropylbenzene	12.700	105	10976	0.410	ug/l	94
78) n-propylbenzene	13.041	91	19733	0.639	ug/l	85
80) 1,3,5-Trimethylbenzene	13.176	105	64455	2.950	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	241961	11.480	ug/l	98
95) Naphthalene	15.641	128	5325237	593.397	ug/l	99

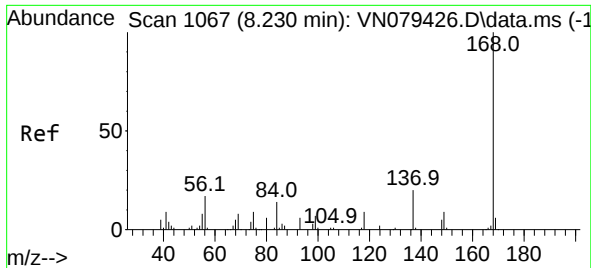
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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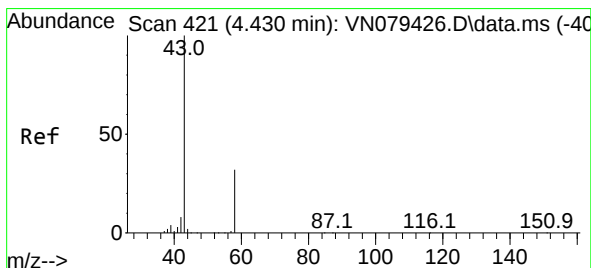
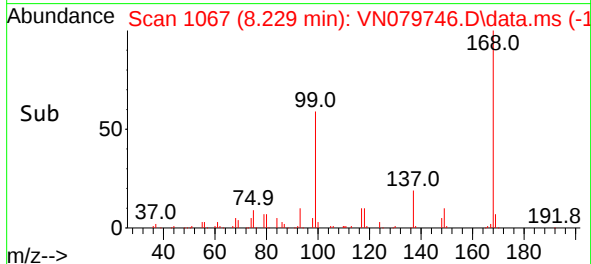
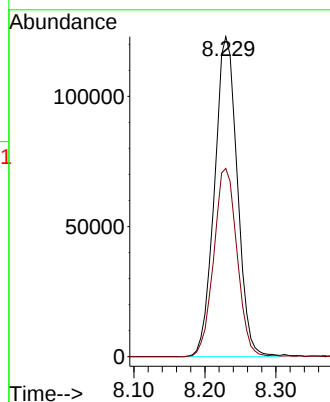
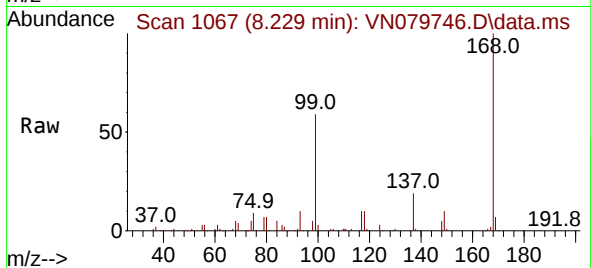




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

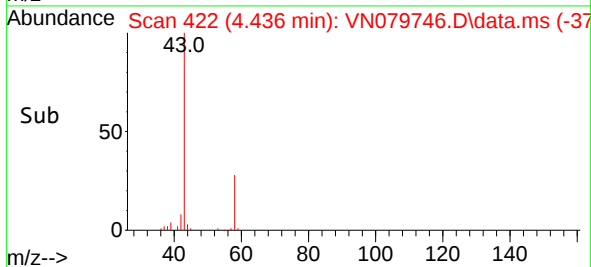
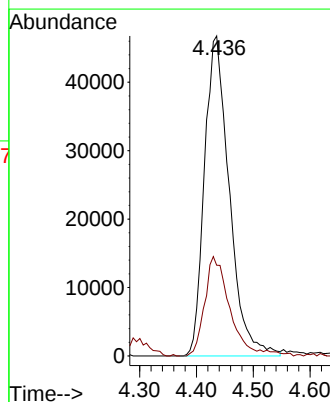
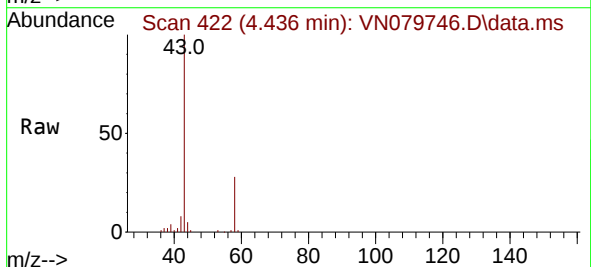
Instrument :
MSVOA_N
ClientSampleId :
1051

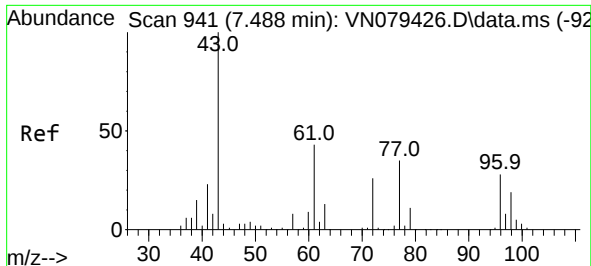
Tgt Ion:168 Resp: 273446
Ion Ratio Lower Upper
168 100
99 58.9 53.0 79.6



#16
Acetone
Concen: 75.534 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

Tgt Ion: 43 Resp: 141907
Ion Ratio Lower Upper
43 100
58 28.3 28.0 42.0

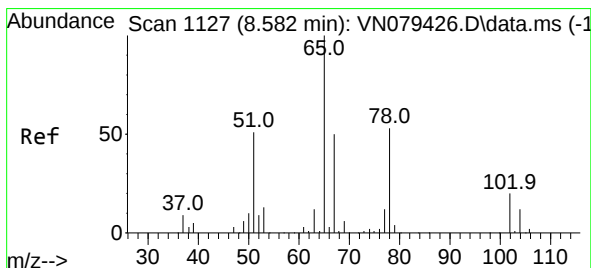
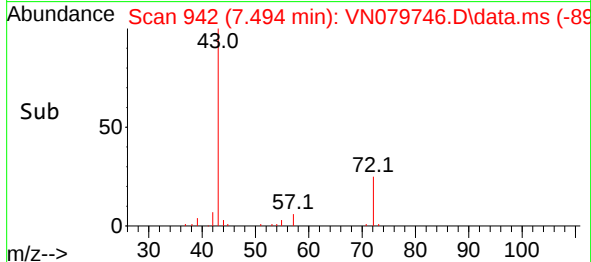
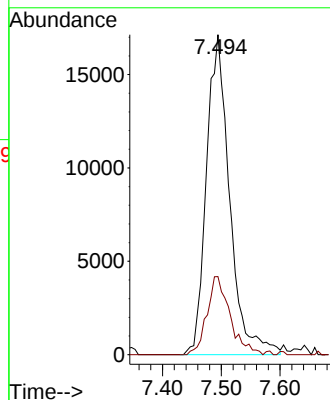
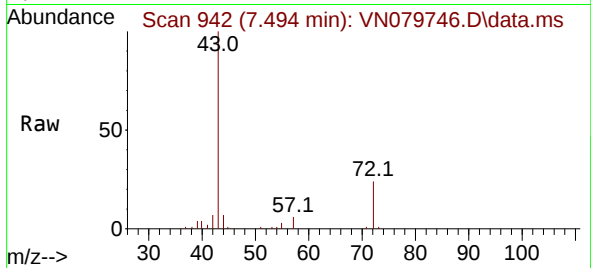




#25
2-Butanone
Concen: 18.216 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

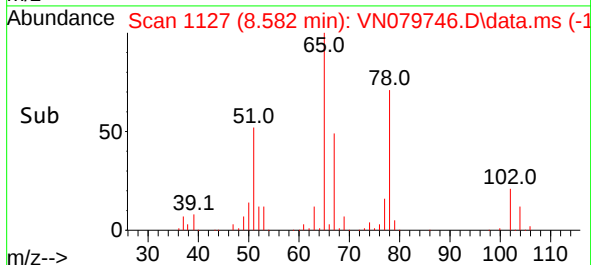
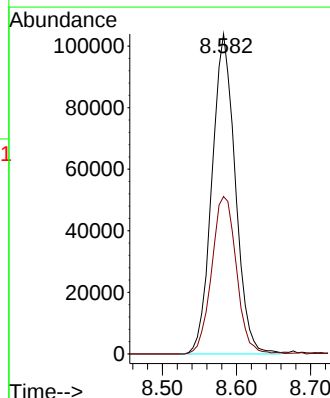
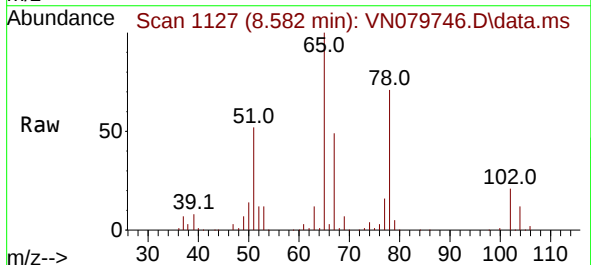
Instrument :
MSVOA_N
ClientSampleId :
1051

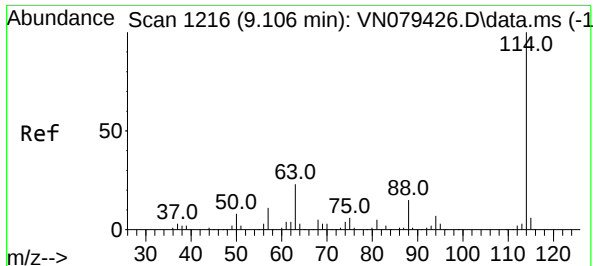
Tgt Ion: 43 Resp: 47010
Ion Ratio Lower Upper
43 100
72 24.4 30.2 45.2#



#33
1,2-Dichloroethane-d4
Concen: 51.748 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

Tgt Ion: 65 Resp: 227236
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079746.D

Acq: 31 Oct 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :

1051

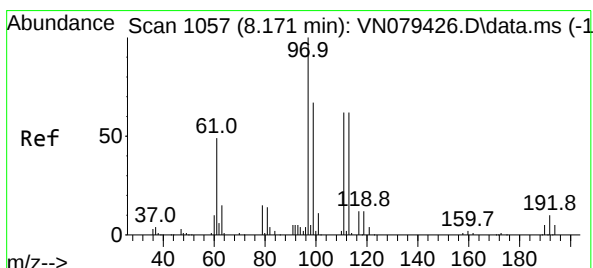
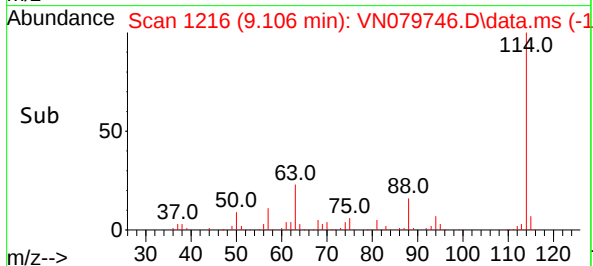
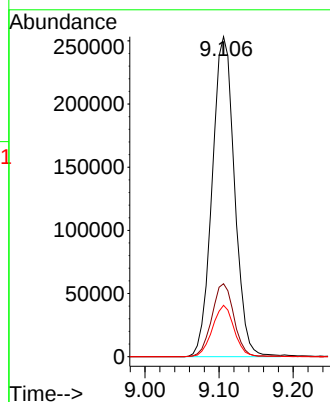
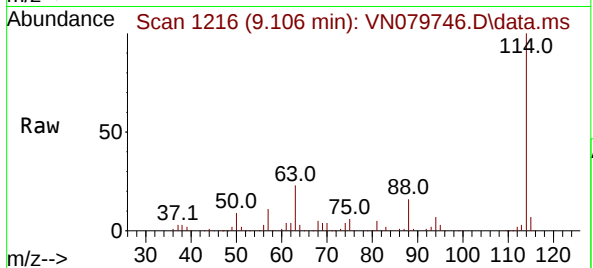
Tgt Ion:114 Resp: 530456

Ion Ratio Lower Upper

114 100

63 22.8 0.0 36.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.784 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079746.D

Acq: 31 Oct 2023 16:07

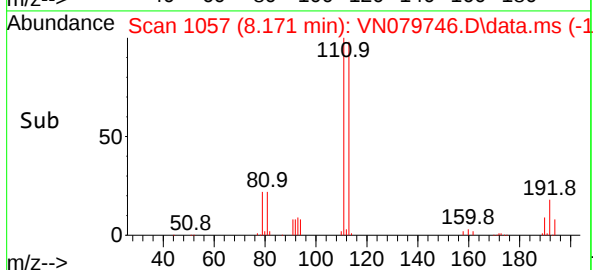
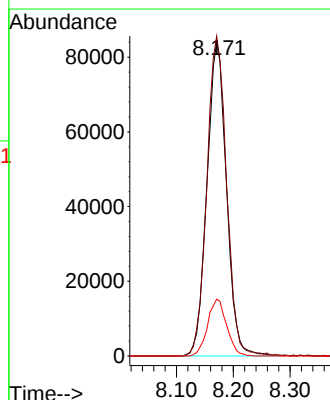
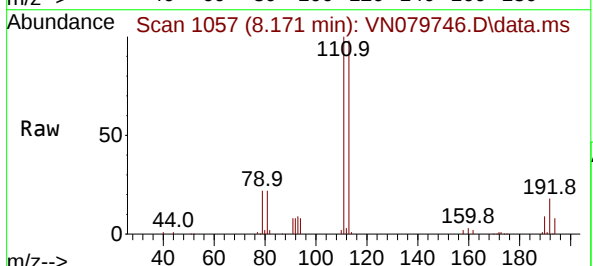
Tgt Ion:113 Resp: 200070

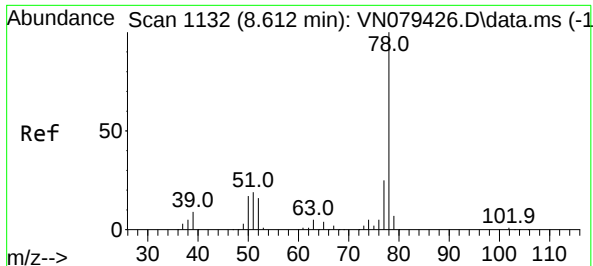
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 17.6 12.7 19.1





#40

Benzene

Concen: 61.679 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079746.D

Acq: 31 Oct 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :

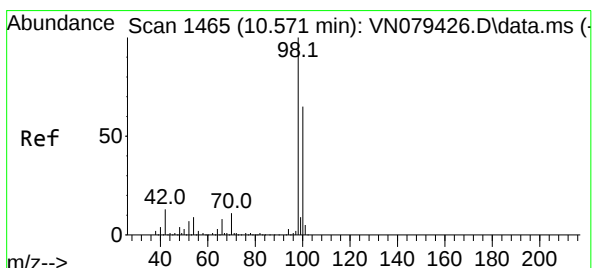
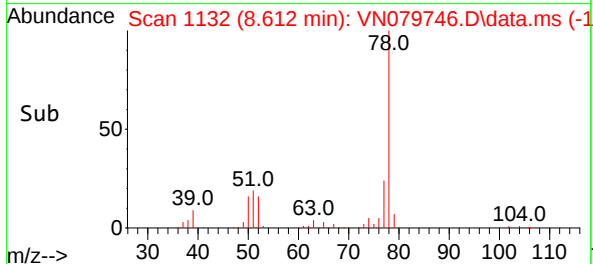
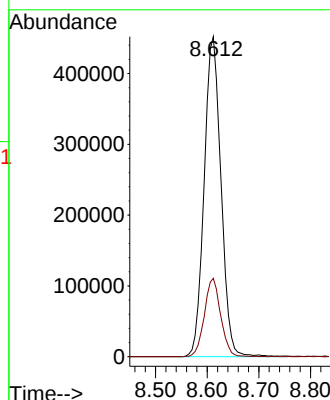
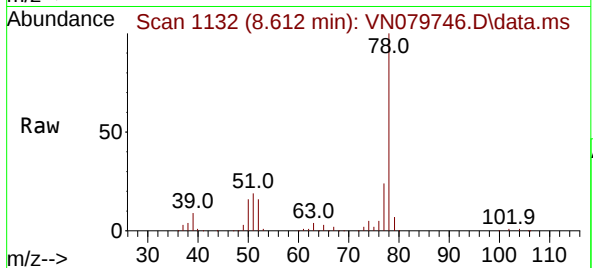
1051

Tgt Ion: 78 Resp: 1023627

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.6



#50

Toluene-d8

Concen: 46.414 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN079746.D

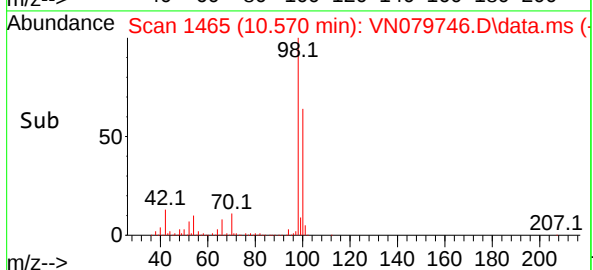
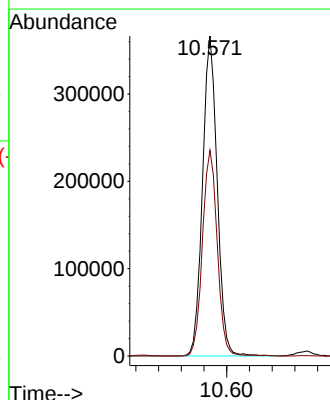
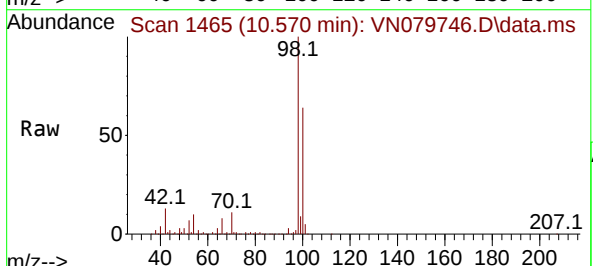
Acq: 31 Oct 2023 16:07

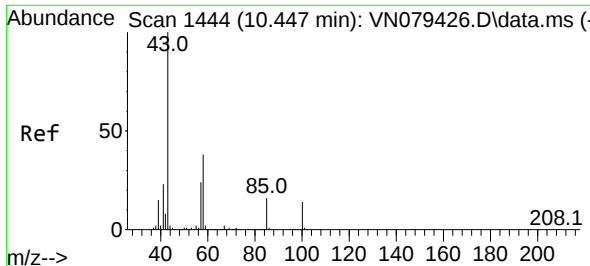
Tgt Ion: 98 Resp: 655835

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

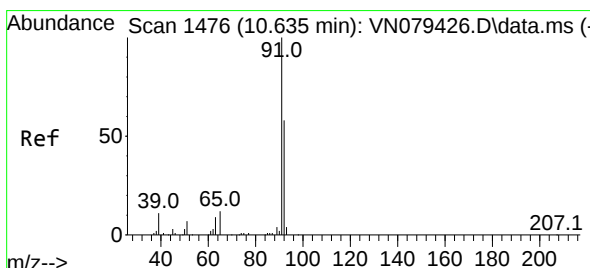
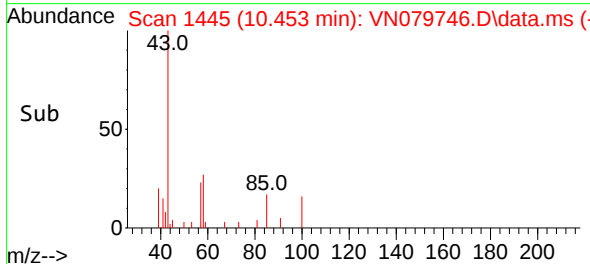
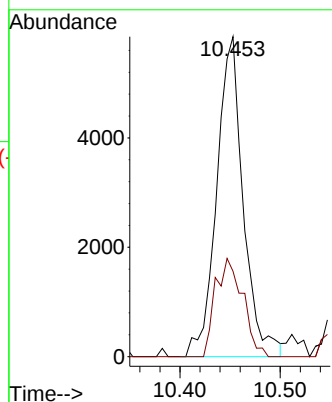
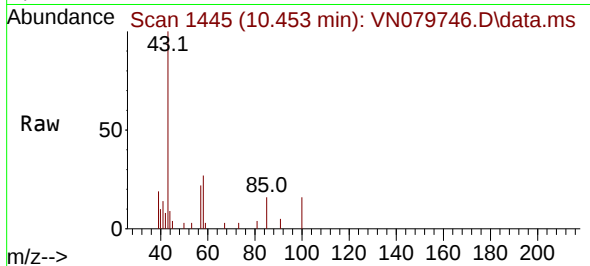




#51
4-Methyl-2-Pentanone
Concen: 1.942 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

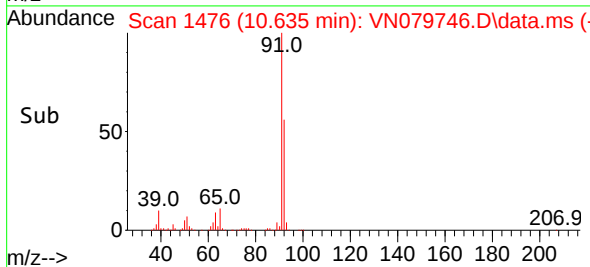
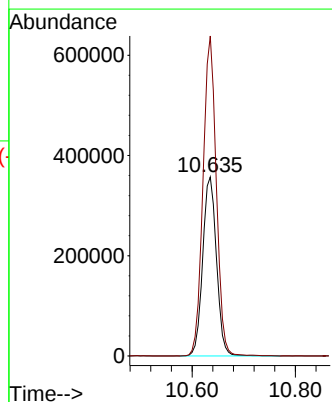
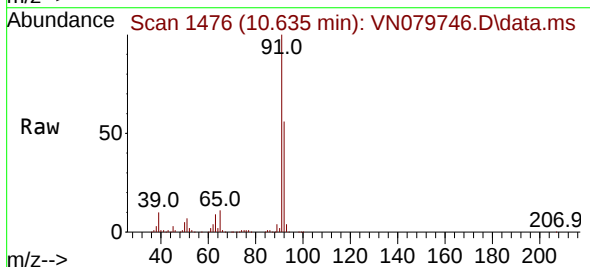
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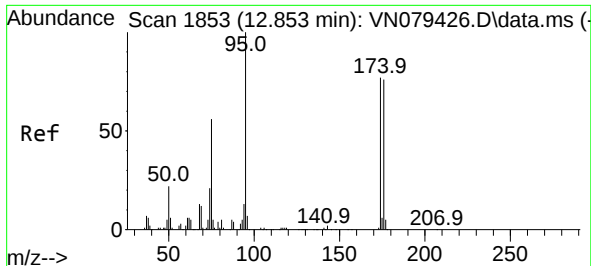
Tgt Ion: 43 Resp: 10767
Ion Ratio Lower Upper
43 100
58 31.7 36.6 54.8#



#52
Toluene
Concen: 65.084 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

Tgt Ion: 92 Resp: 659416
Ion Ratio Lower Upper
92 100
91 172.7 137.4 206.0

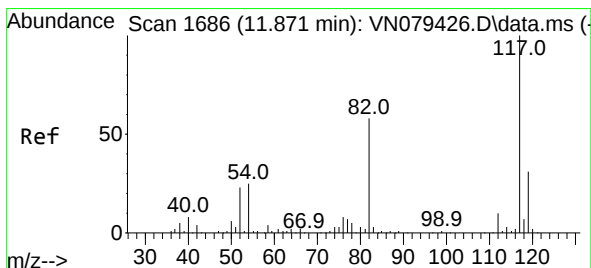
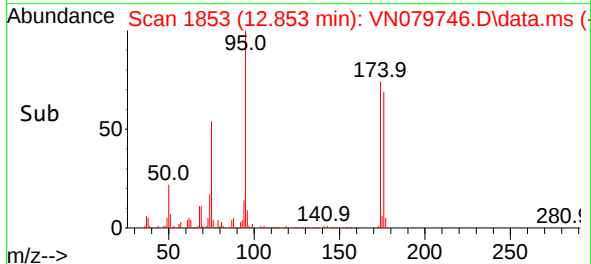
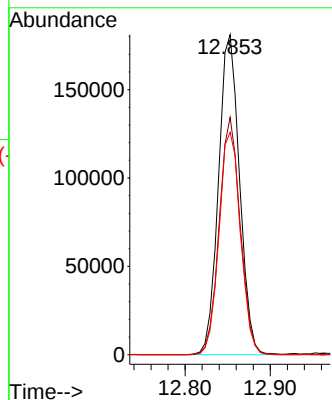
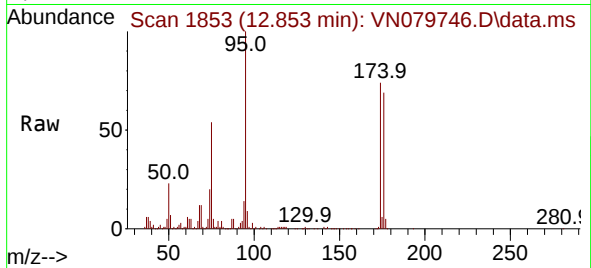




#62
4-Bromofluorobenzene
Concen: 69.681 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

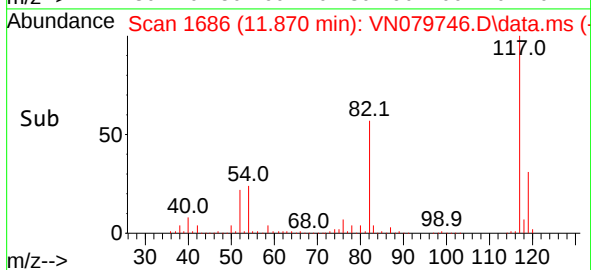
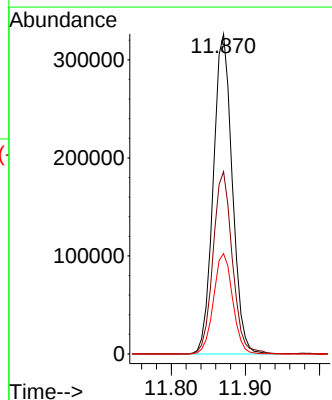
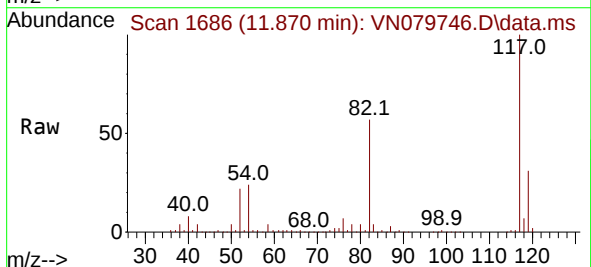
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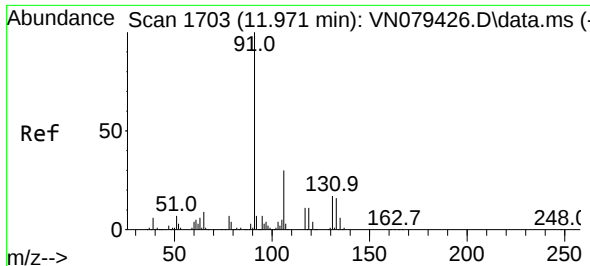
Tgt Ion: 95 Resp: 310060
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 70.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

Tgt Ion: 117 Resp: 580981
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 31.4 25.6 38.4





#67

Ethyl Benzene

Concen: 6.495 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VN079746.D

Acq: 31 Oct 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :

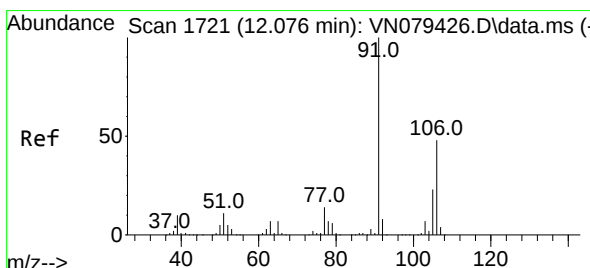
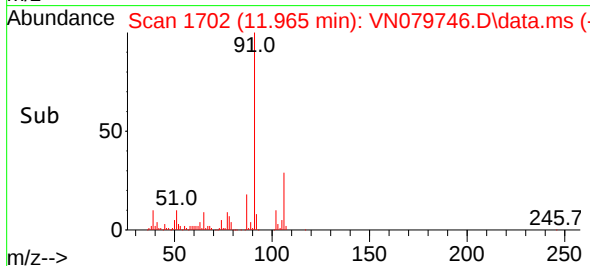
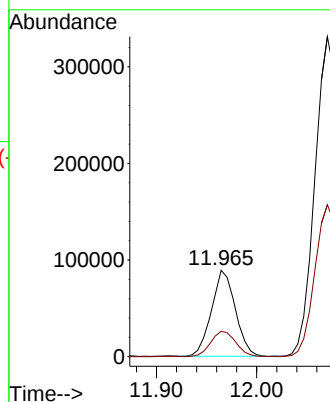
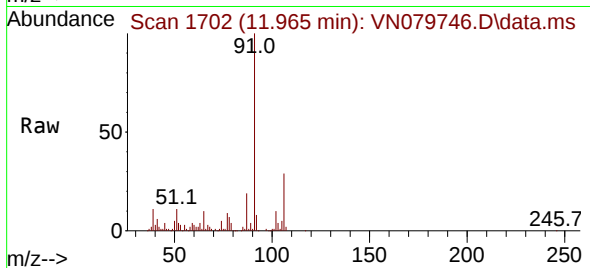
1051

Tgt Ion: 91 Resp: 147129

Ion Ratio Lower Upper

91 100

106 29.5 25.6 38.4



#68

m/p-Xylenes

Concen: 34.911 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.006 min

Lab File: VN079746.D

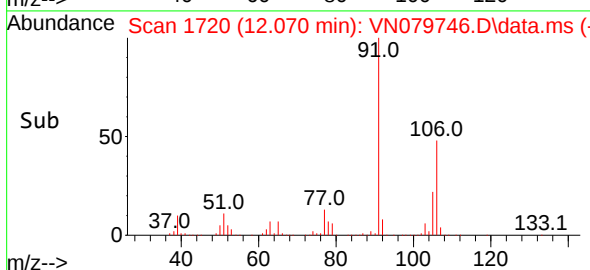
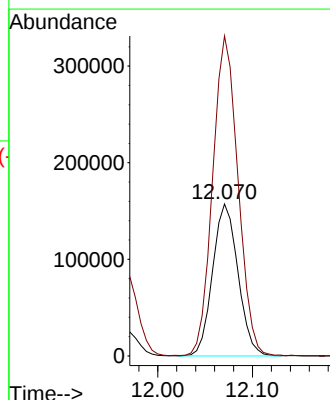
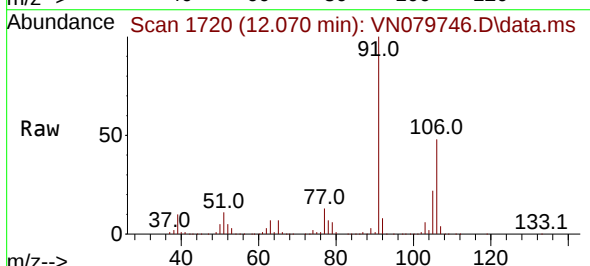
Acq: 31 Oct 2023 16:07

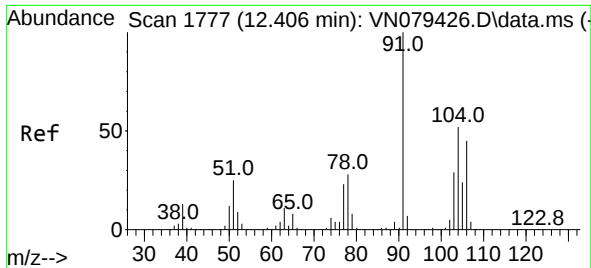
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Ion Ratio Lower Upper

106 100

91 210.4 159.6 239.4

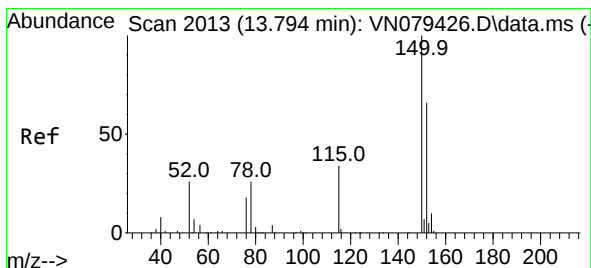
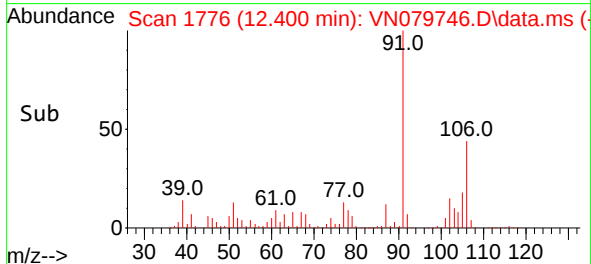
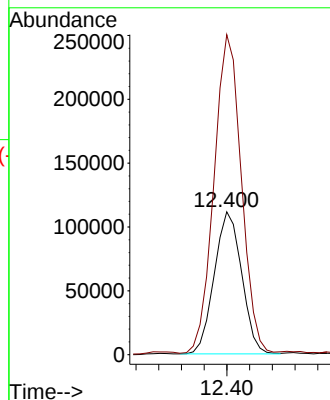
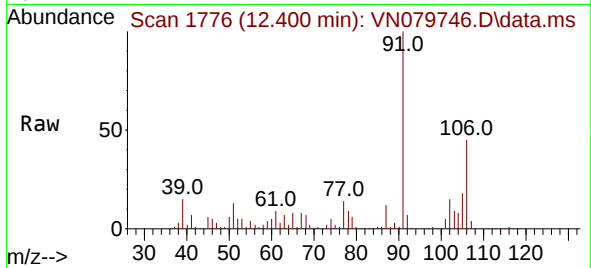




#69
o-Xylene
Concen: 23.137 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

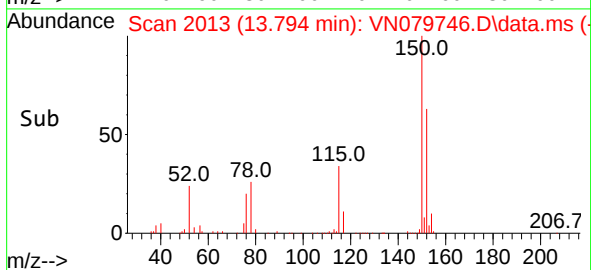
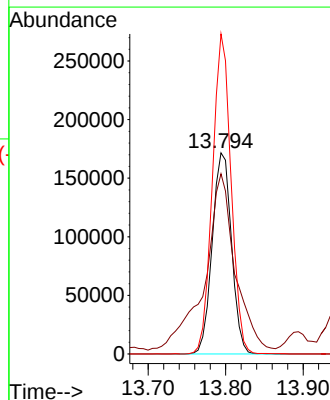
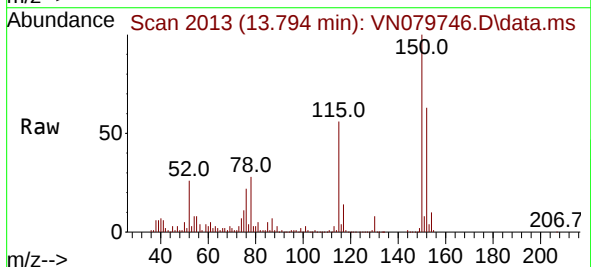
Instrument :
MSVOA_N
ClientSampleId :
1051

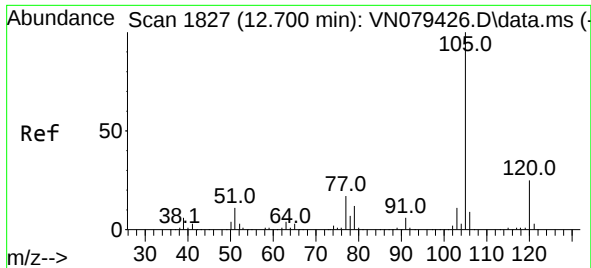
Tgt Ion:106 Resp: 186416
Ion Ratio Lower Upper
106 100
91 223.4 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

Tgt Ion:152 Resp: 295884
Ion Ratio Lower Upper
152 100
115 137.8 32.3 96.8#
150 153.9 0.0 355.8

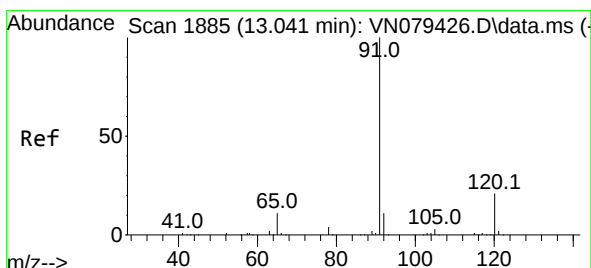
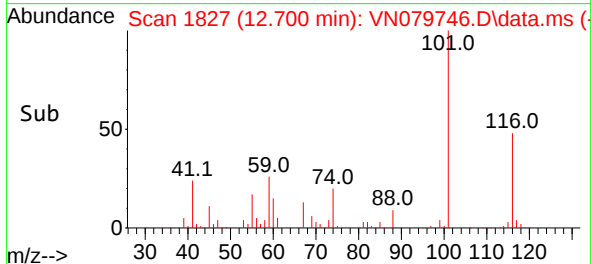
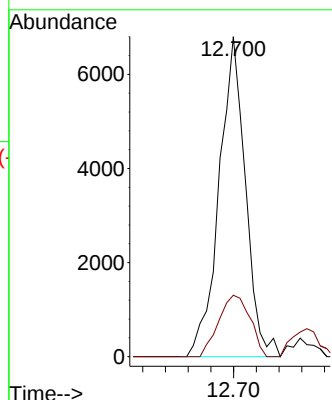
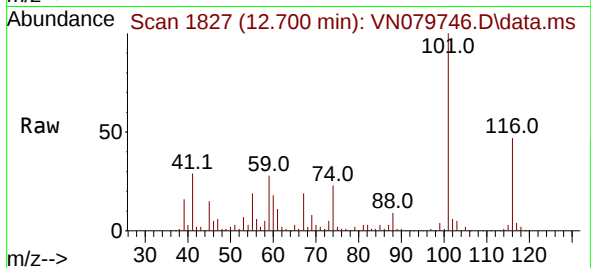




#73
Isopropylbenzene
Concen: 0.410 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

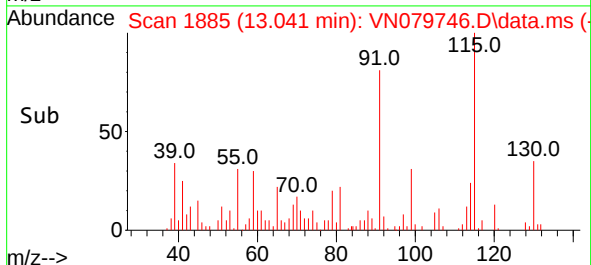
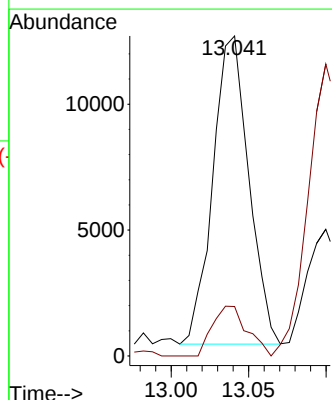
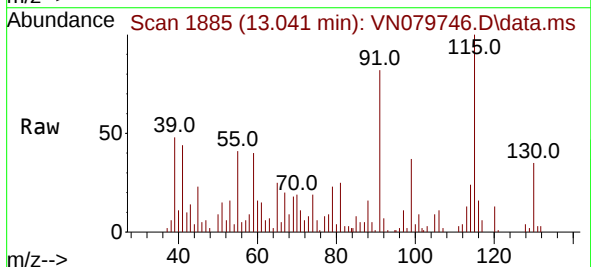
Instrument :
MSVOA_N
ClientSampleId :
1051

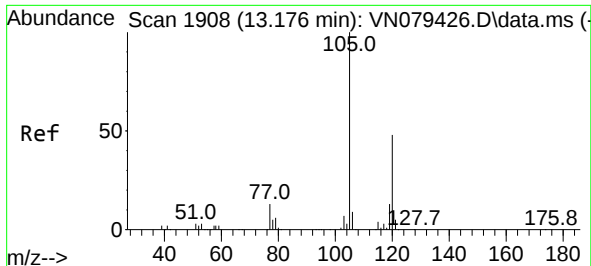
Tgt Ion:105 Resp: 10976
Ion Ratio Lower Upper
105 100
120 22.8 13.1 39.1



#78
n-propylbenzene
Concen: 0.639 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

Tgt Ion: 91 Resp: 19733
Ion Ratio Lower Upper
91 100
120 15.5 11.5 34.4

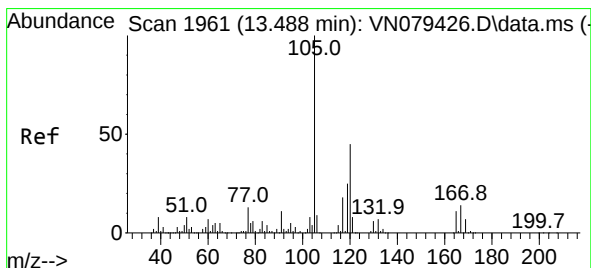
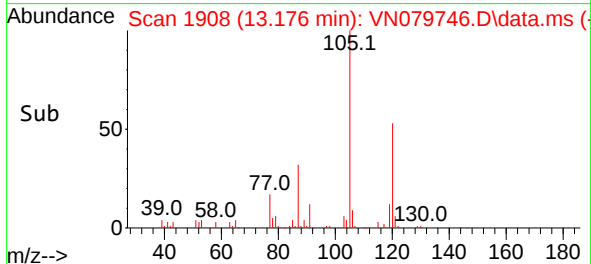
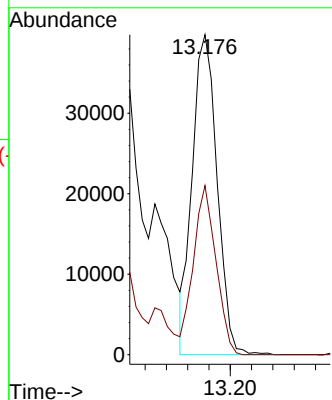
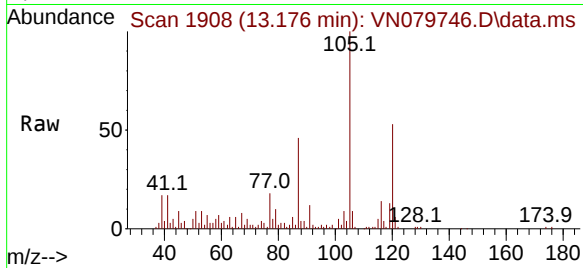




#80
 1,3,5-Trimethylbenzene
 Concen: 2.950 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079746.D
 Acq: 31 Oct 2023 16:07

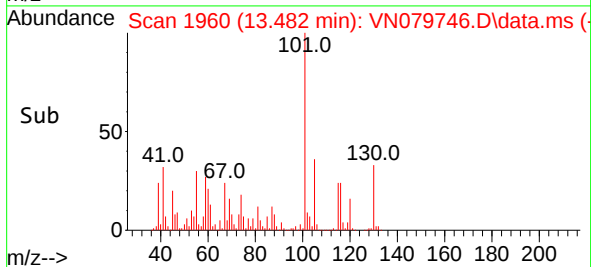
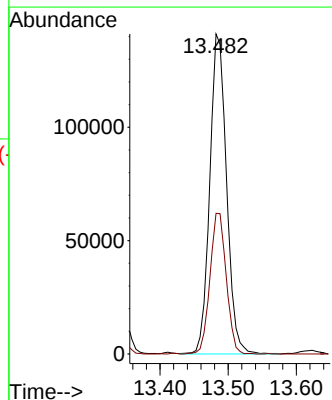
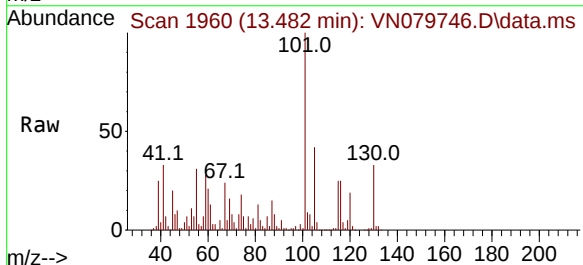
Instrument :
 MSVOA_N
 ClientSampleId :
 1051

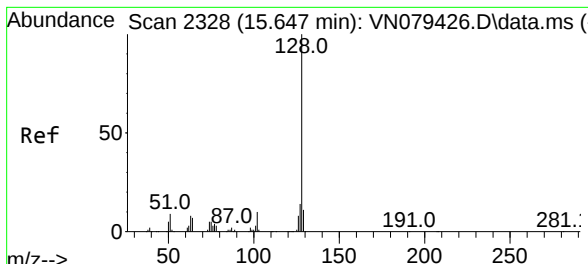
Tgt Ion:105 Resp: 64455
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 11.480 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.006 min
 Lab File: VN079746.D
 Acq: 31 Oct 2023 16:07

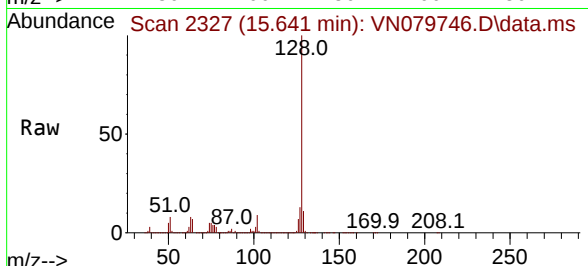
Tgt Ion:105 Resp: 241961
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.0 66.0





#95
Naphthalene
Concen: 593.397 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079746.D
Acq: 31 Oct 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :
1051



Tgt Ion:128 Resp: 5325237
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.0 8.7 13.1

