

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101023\
 Data File : VN079503.D
 Acq On : 10 Oct 2023 19:13
 Operator : JC\MD
 Sample : 04813-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-9

Quant Time: Oct 11 06:23:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

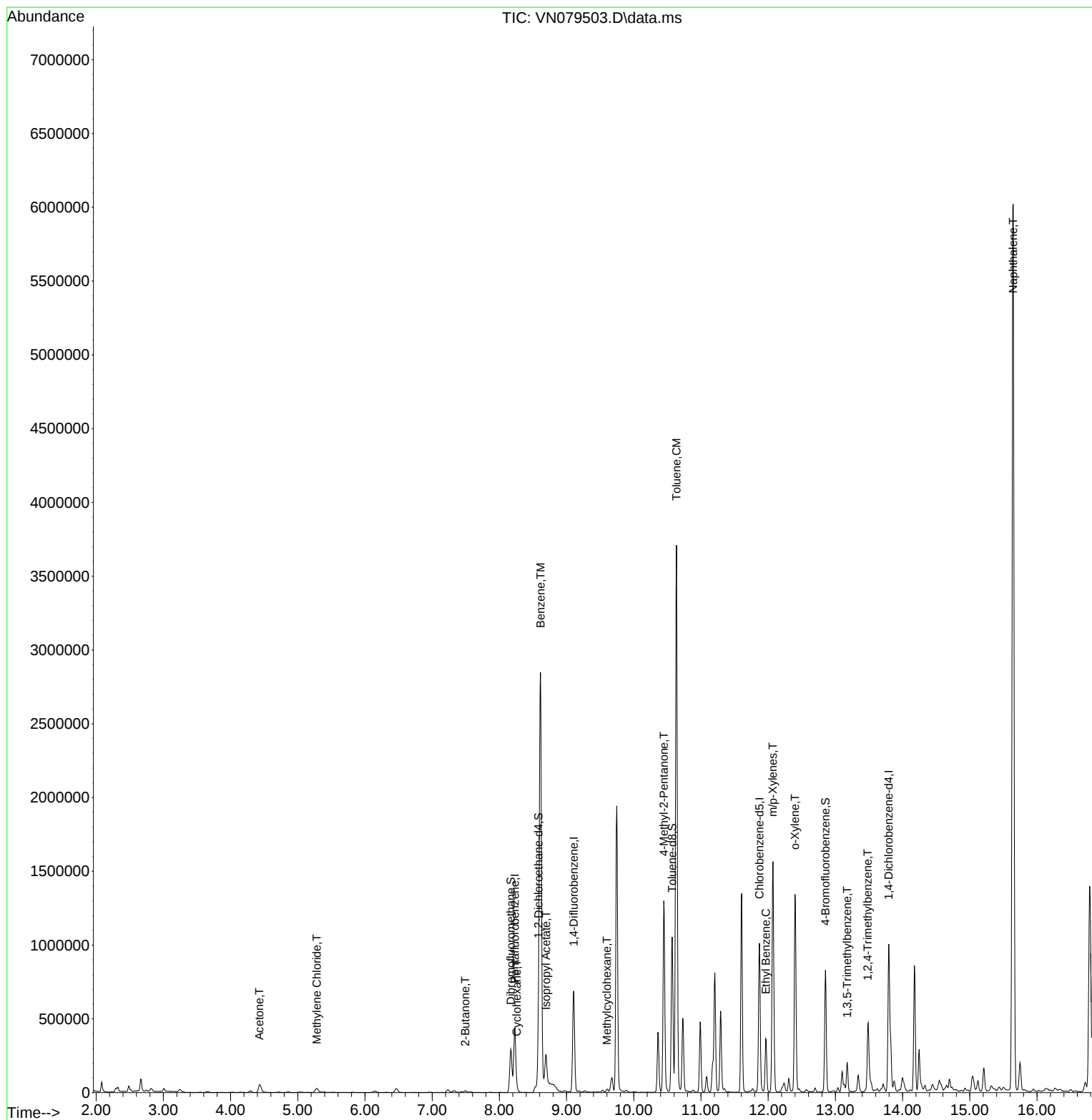
Internal Standards						
1) Pentafluorobenzene	8.230	168	301392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	590131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	574297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	253384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	238268	48.757	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.520%		
35) Dibromofluoromethane	8.171	113	209810	49.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.940%		
50) Toluene-d8	10.571	98	714193	46.543	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.080%		
62) 4-Bromofluorobenzene	12.853	95	279230	56.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.400%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	103777	53.541	ug/l	90
20) Methylene Chloride	5.283	84	21222	4.451	ug/l	88
25) 2-Butanone	7.494	43	19949	6.934	ug/l #	76
31) Cyclohexane	8.259	56	20740	2.992	ug/l #	86
39) Methylcyclohexane	9.600	83	7909	1.293	ug/l	97
40) Benzene	8.612	78	2854902	151.030	ug/l	98
43) Isopropyl Acetate	8.694	43	364927	32.889	ug/l #	69
51) 4-Methyl-2-Pentanone	10.447	43	883252	141.014	ug/l	90
52) Toluene	10.635	92	1572358	141.311	ug/l	98
67) Ethyl Benzene	11.965	91	250005	11.246	ug/l	100
68) m/p-Xylenes	12.070	106	469284	58.100	ug/l	93
69) o-Xylene	12.400	106	351455	44.245	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	102174	5.497	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	286752	16.165	ug/l	91
95) Naphthalene	15.647	128	5606859	662.957	ug/l	99

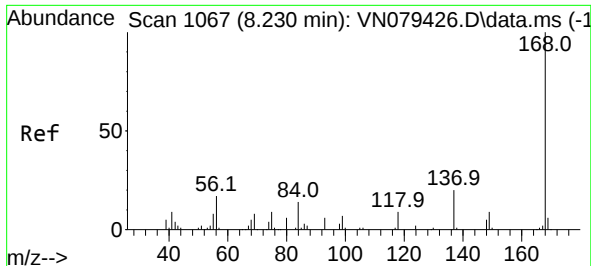
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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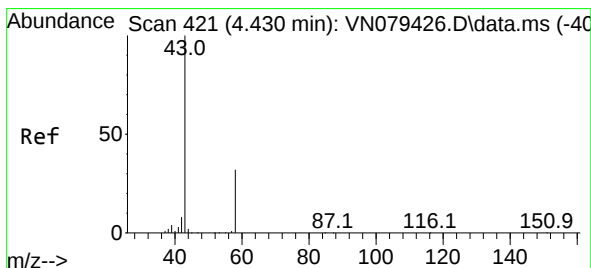
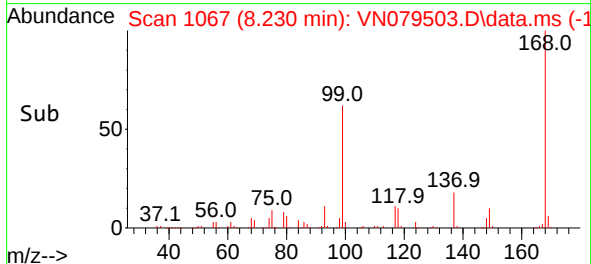
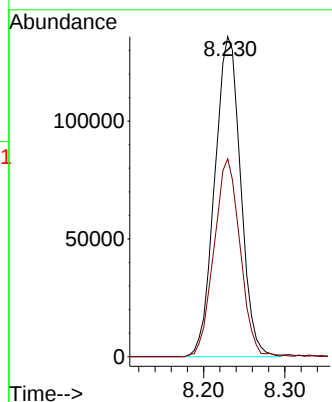
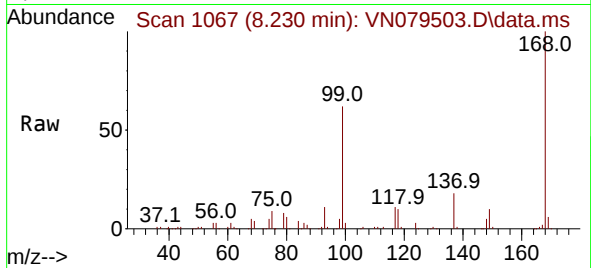




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

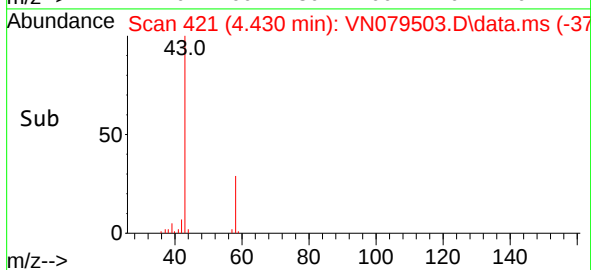
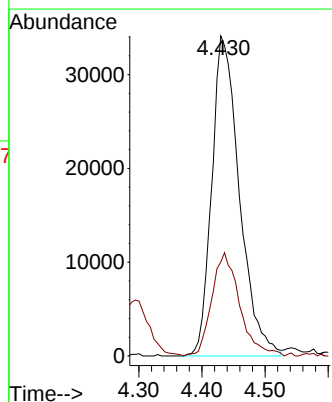
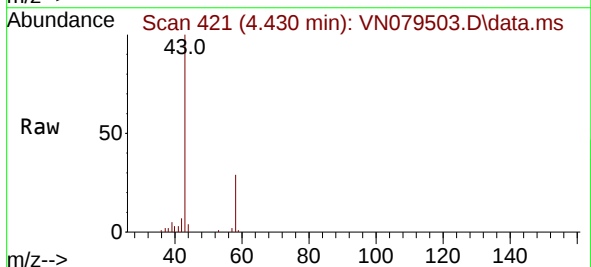
Instrument :
MSVOA_N
ClientSampleId :
S-9

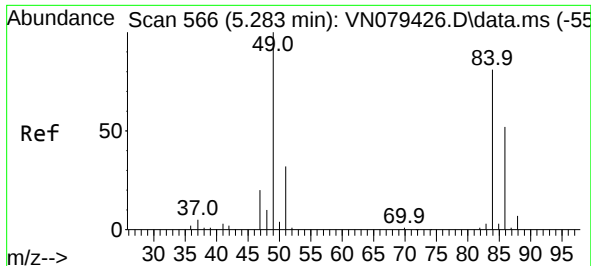
Tgt Ion:168 Resp: 301392
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#16
Acetone
Concen: 53.541 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

Tgt Ion: 43 Resp: 103777
Ion Ratio Lower Upper
43 100
58 28.9 28.0 42.0

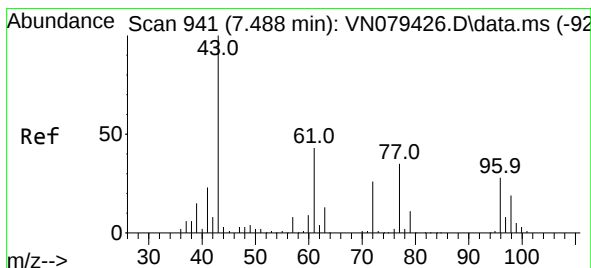
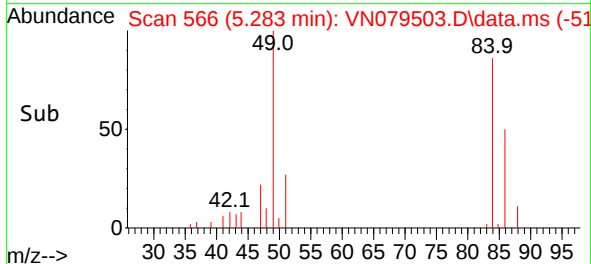
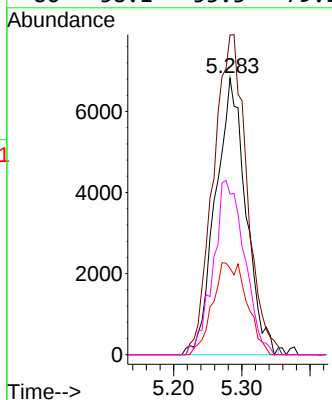
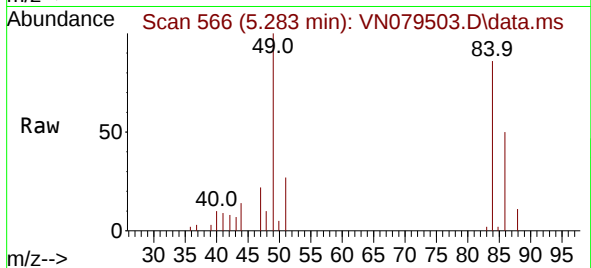




#20
Methylene Chloride
Concen: 4.451 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

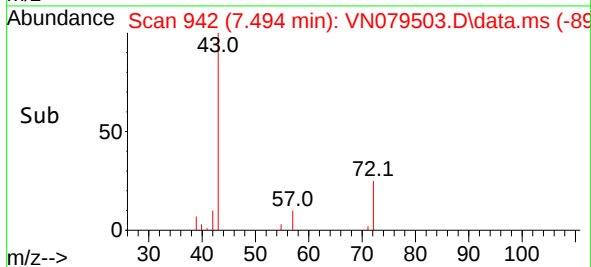
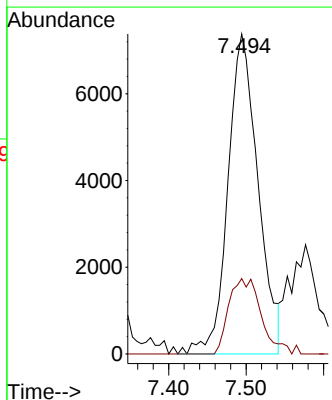
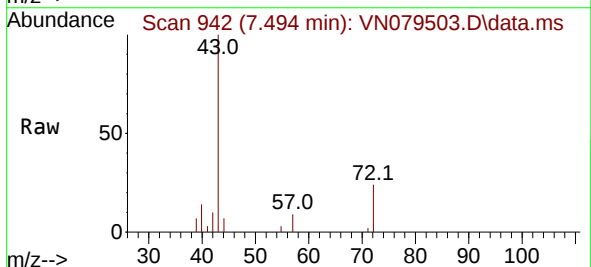
Instrument :
MSVOA_N
ClientSampleId :
S-9

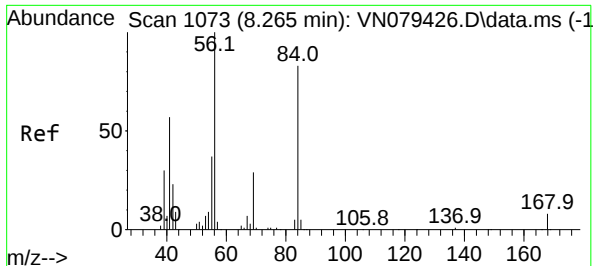
Tgt Ion:	84	Resp:	21222
Ion	Ratio	Lower	Upper
84	100		
49	115.6	79.7	119.5
51	31.2	25.2	37.8
86	58.1	53.3	79.9



#25
2-Butanone
Concen: 6.934 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

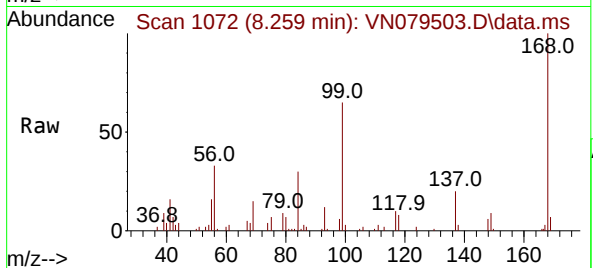
Tgt Ion:	43	Resp:	19949
Ion	Ratio	Lower	Upper
43	100		
72	23.5	30.2	45.2#



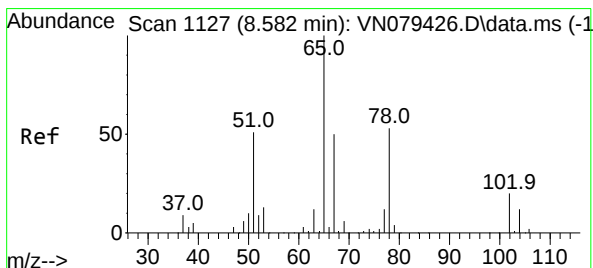
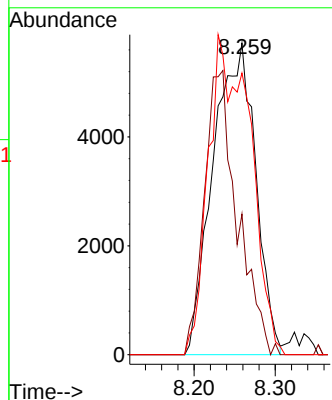
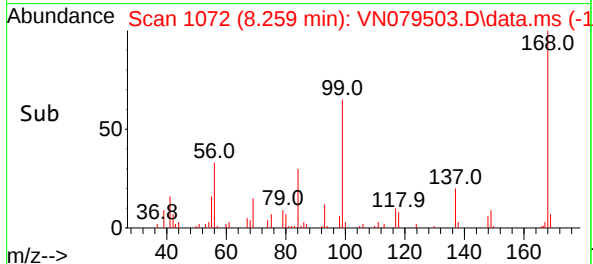


#31
Cyclohexane
Concen: 2.992 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

Instrument :
MSVOA_N
ClientSampleId :
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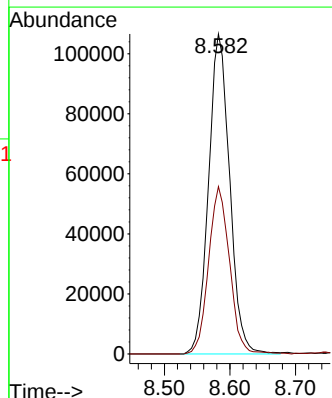
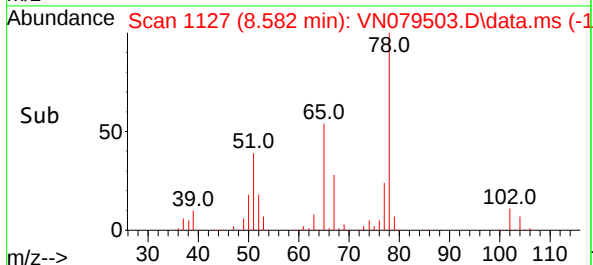
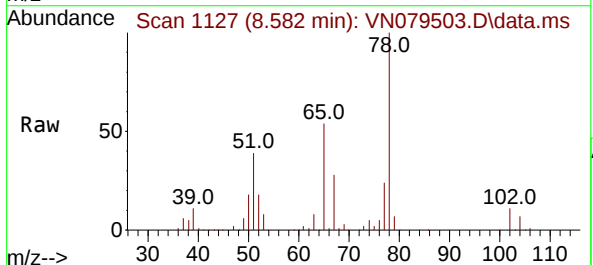


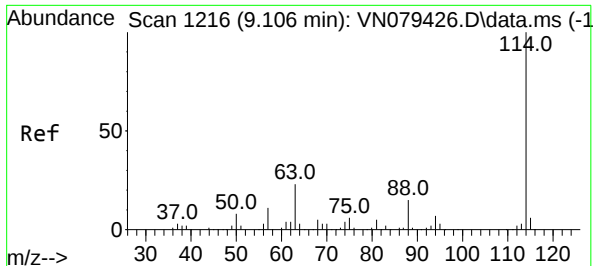
Tgt Ion: 56 Resp: 20740
Ion Ratio Lower Upper
56 100
69 45.2 26.8 40.2#
84 90.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.757 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

Tgt Ion: 65 Resp: 238268
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN079503.D

Acq: 10 Oct 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :

S-9

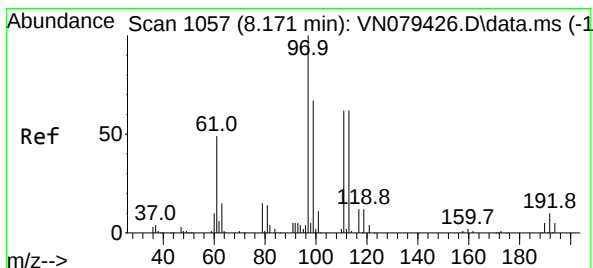
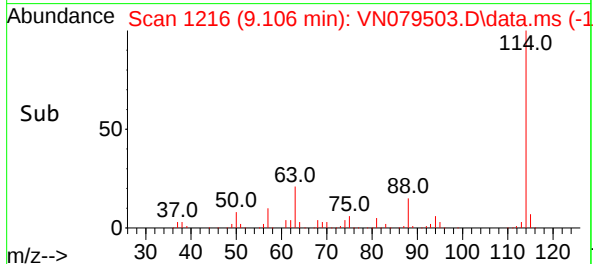
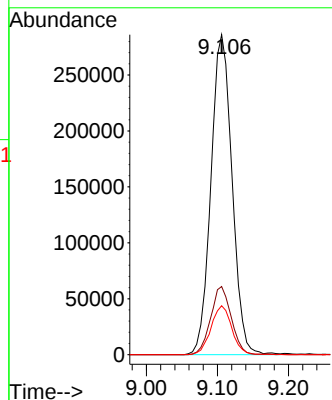
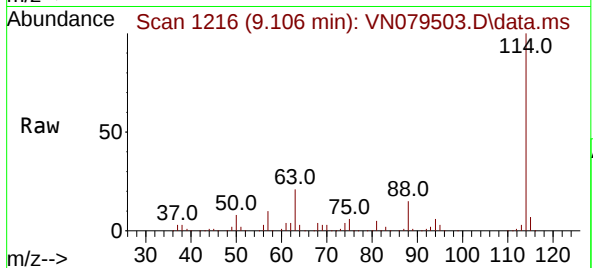
Tgt Ion:114 Resp: 590131

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.473 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079503.D

Acq: 10 Oct 2023 19:13

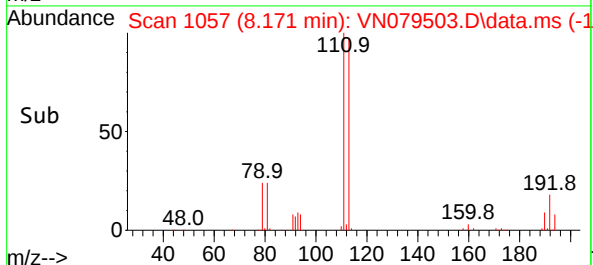
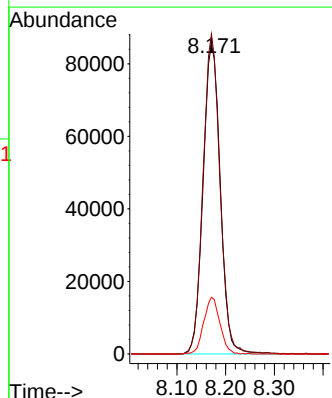
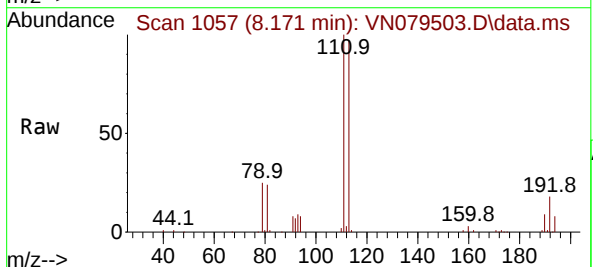
Tgt Ion:113 Resp: 209810

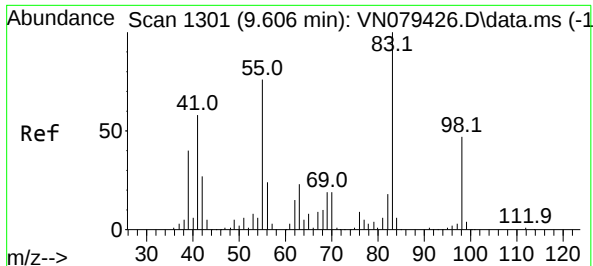
Ion Ratio Lower Upper

113 100

111 101.1 82.6 123.8

192 17.1 12.7 19.1





#39

Methylcyclohexane

Concen: 1.293 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.006 min

Lab File: VN079503.D

Acq: 10 Oct 2023 19:13

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MSVOA_N

ClientSampleId :

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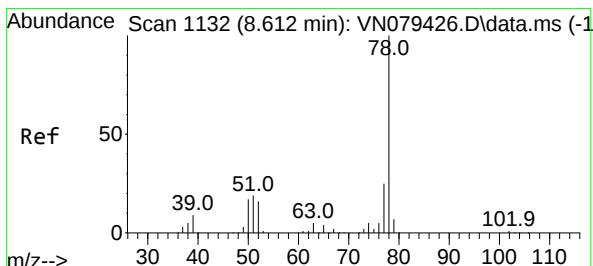
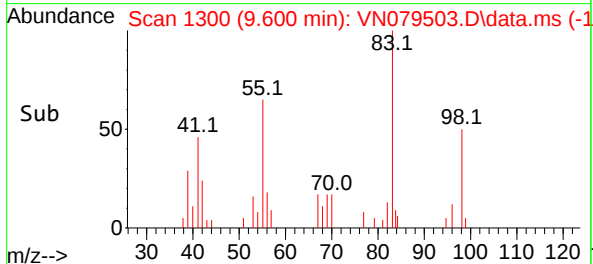
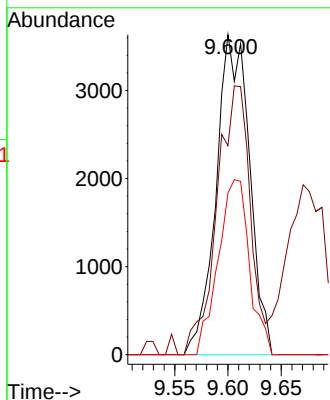
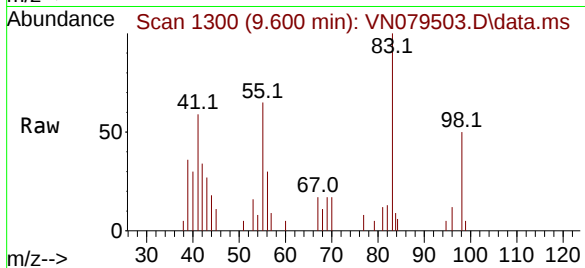
Tgt Ion: 83 Resp: 7909

Ion Ratio Lower Upper

83 100

55 65.3 49.1 73.7

98 50.5 40.6 61.0



#40

Benzene

Concen: 151.030 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079503.D

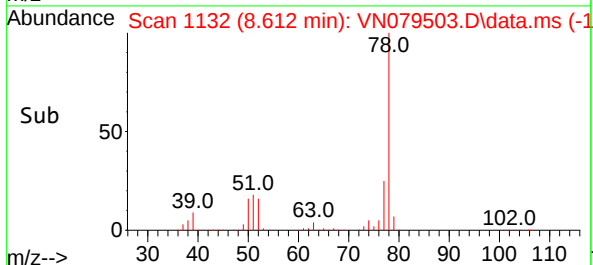
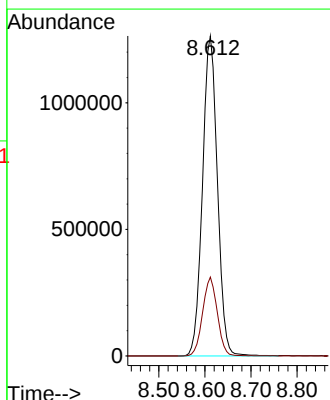
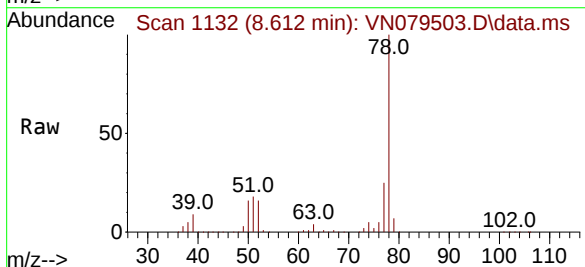
Acq: 10 Oct 2023 19:13

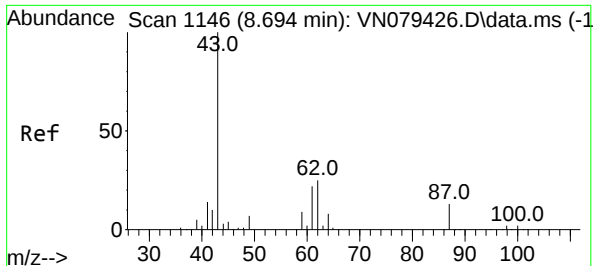
Tgt Ion: 78 Resp: 2854902

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.6





#43

Isopropyl Acetate

Concen: 32.889 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079503.D

Acq: 10 Oct 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :

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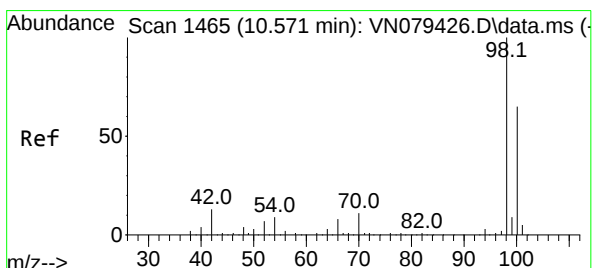
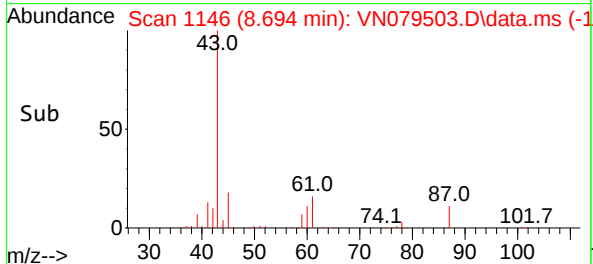
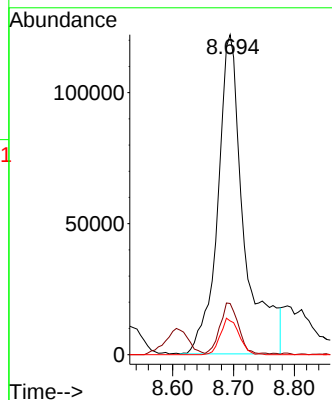
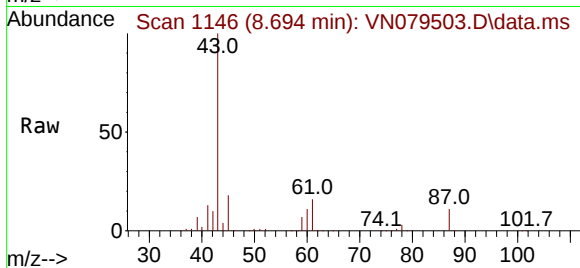
Tgt Ion: 43 Resp: 364927

Ion Ratio Lower Upper

43 100

61 11.3 24.7 37.1#

87 8.0 14.6 21.8#



#50

Toluene-d8

Concen: 46.543 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079503.D

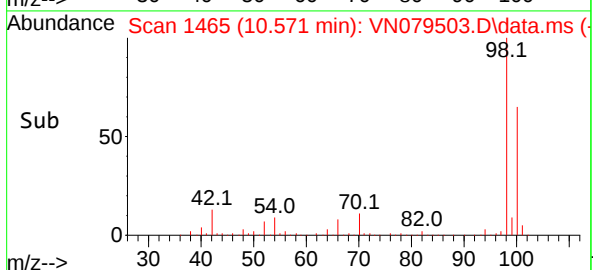
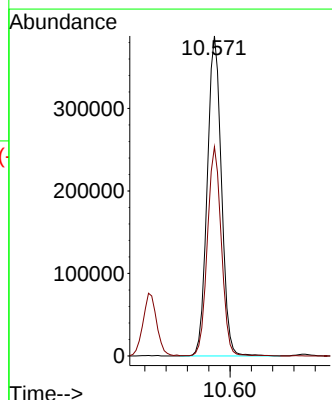
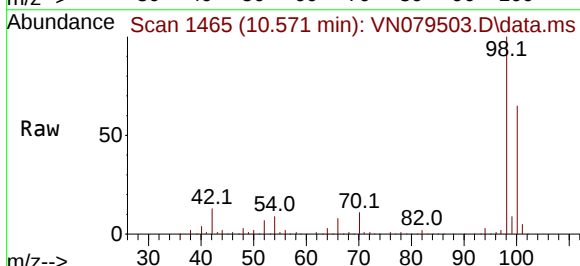
Acq: 10 Oct 2023 19:13

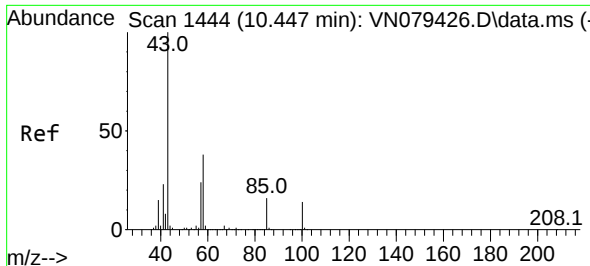
Tgt Ion: 98 Resp: 714193

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

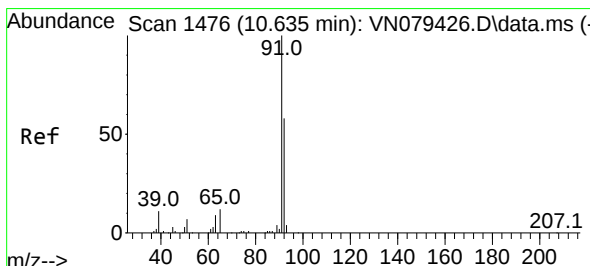
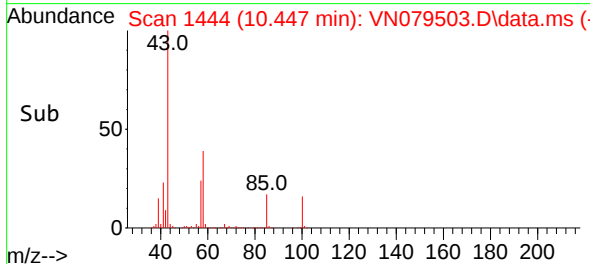
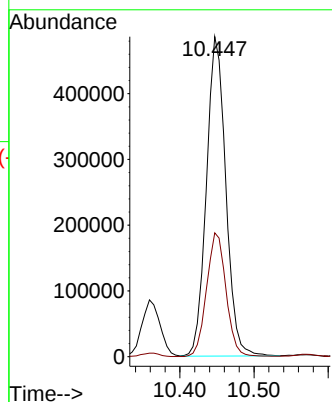
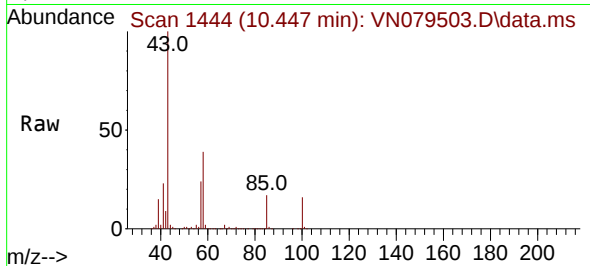




#51
4-Methyl-2-Pentanone
Concen: 141.014 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

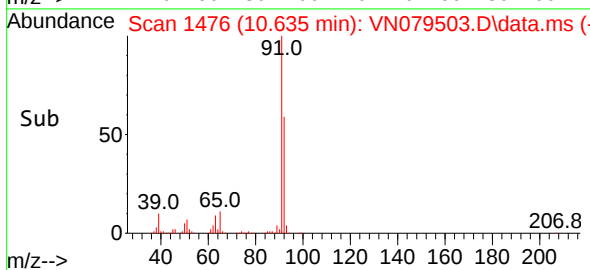
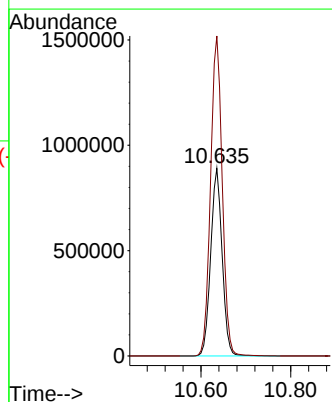
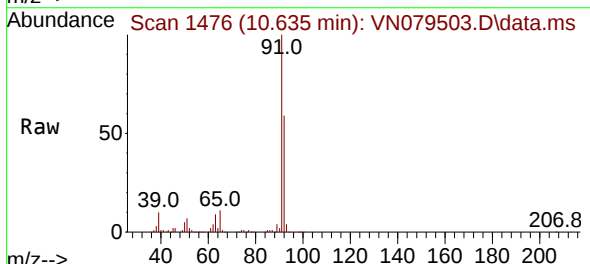
Instrument :
MSVOA_N
ClientSampleId :
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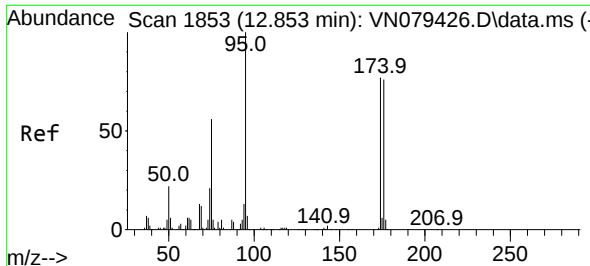
Tgt Ion: 43 Resp: 883252
Ion Ratio Lower Upper
43 100
58 39.1 36.6 54.8



#52
Toluene
Concen: 141.311 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

Tgt Ion: 92 Resp: 1572358
Ion Ratio Lower Upper
92 100
91 174.5 137.4 206.0

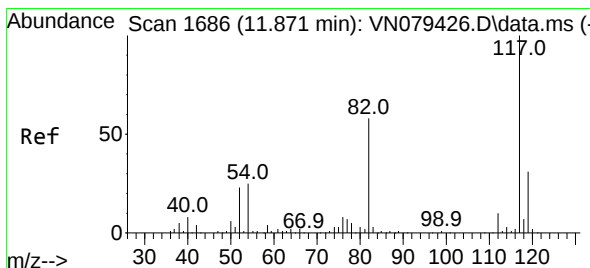
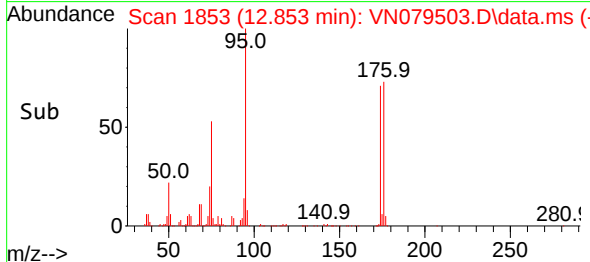
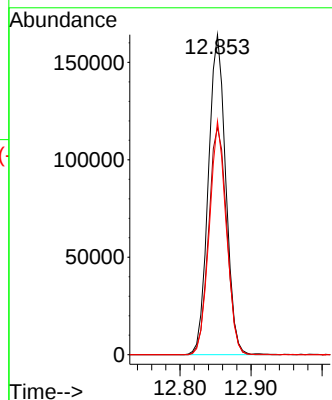
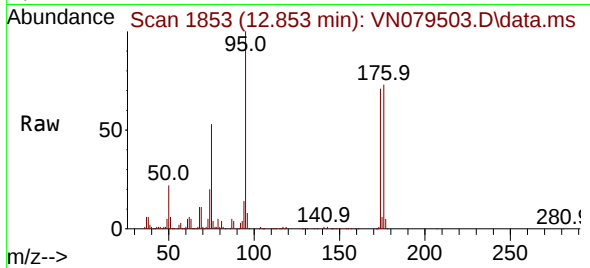




#62
4-Bromofluorobenzene
Concen: 56.703 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

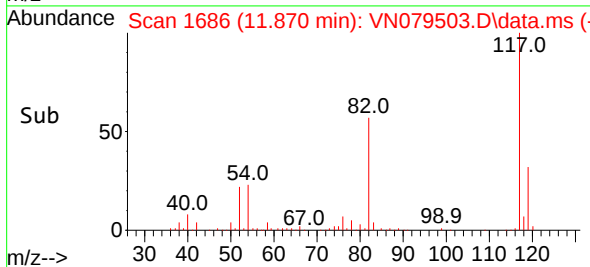
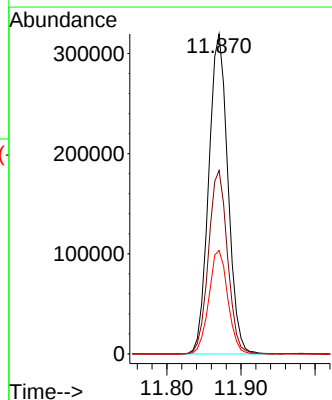
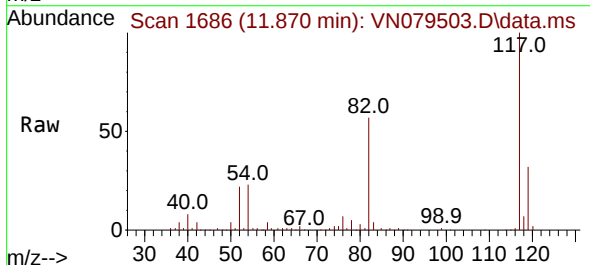
Instrument :
MSVOA_N
ClientSampleId :
S-9

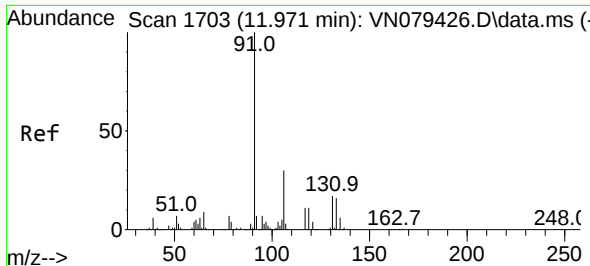
Tgt Ion: 95 Resp: 279230
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

Tgt Ion: 117 Resp: 574297
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 32.4 25.6 38.4





#67

Ethyl Benzene

Concen: 11.246 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VN079503.D

Acq: 10 Oct 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :

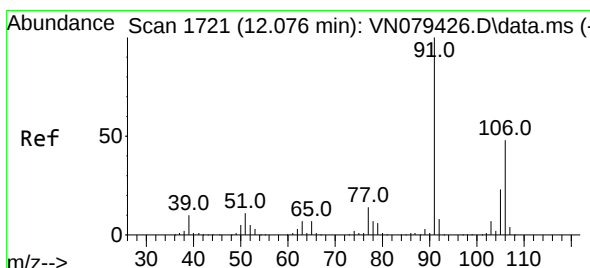
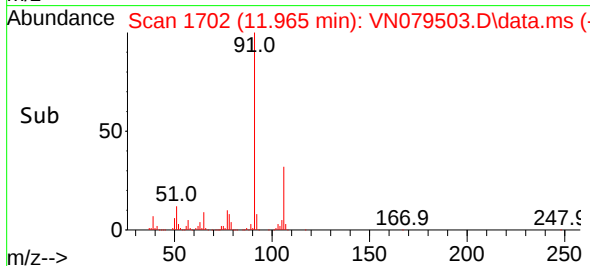
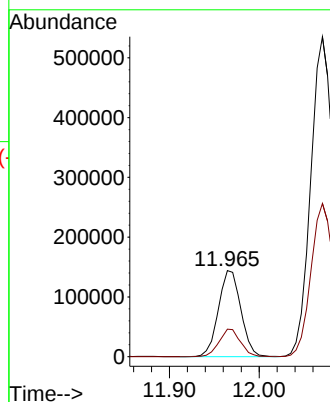
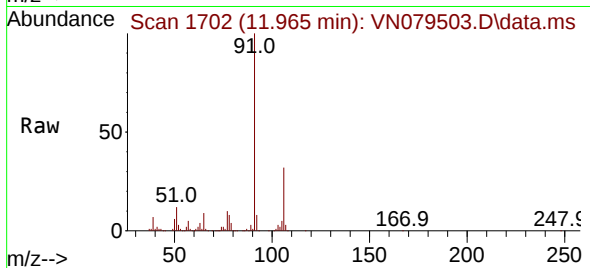
S-9

Tgt Ion: 91 Resp: 250005

Ion Ratio Lower Upper

91 100

106 32.1 25.6 38.4



#68

m/p-Xylenes

Concen: 58.100 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.006 min

Lab File: VN079503.D

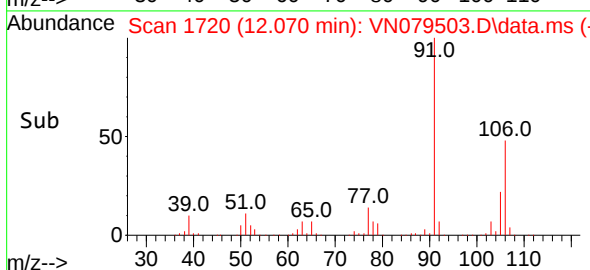
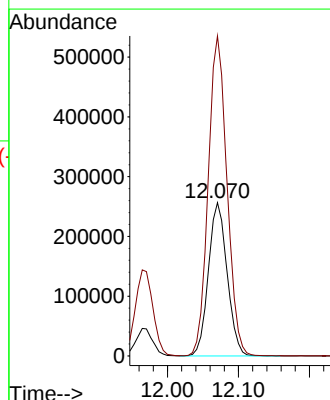
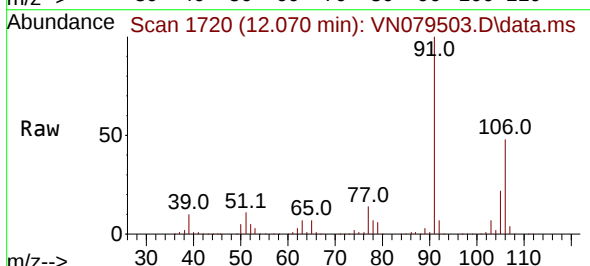
Acq: 10 Oct 2023 19:13

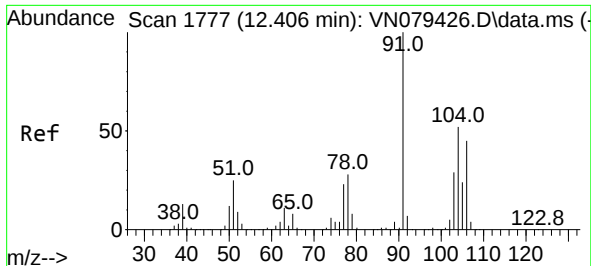
Tgt Ion:106 Resp: 469284

Ion Ratio Lower Upper

106 100

91 209.4 159.6 239.4

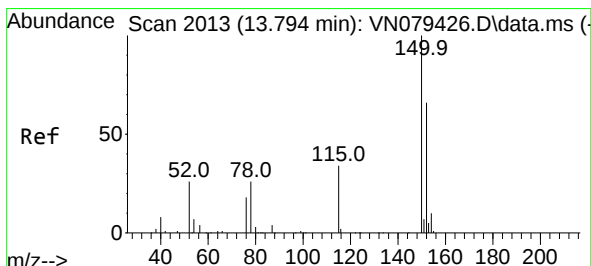
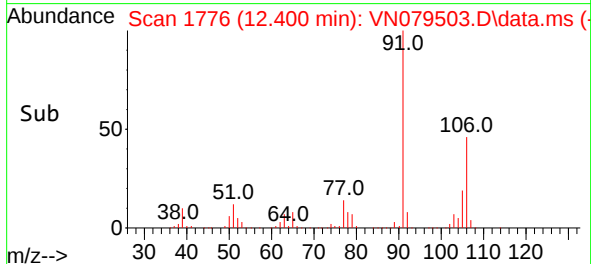
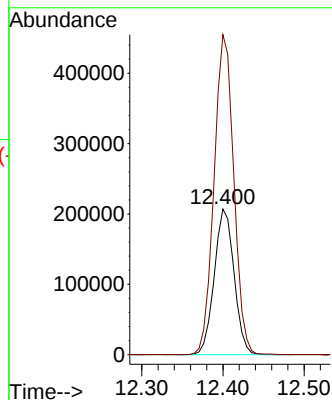
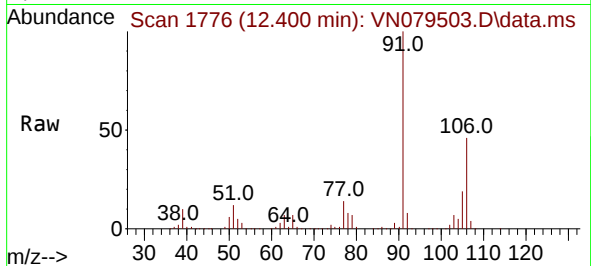




#69
o-Xylene
Concen: 44.245 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

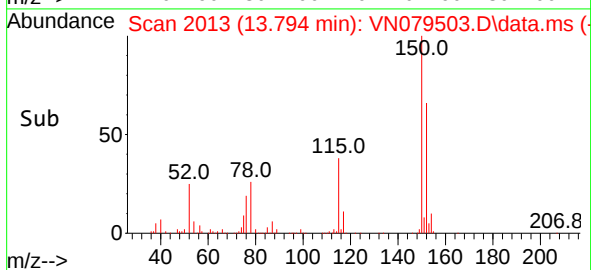
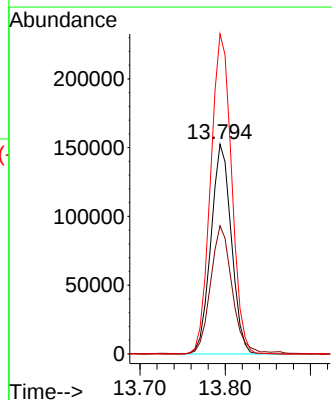
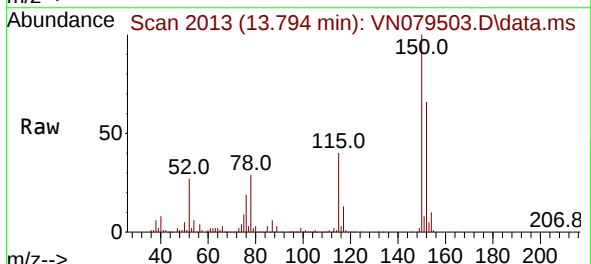
Instrument :
MSVOA_N
ClientSampleId :
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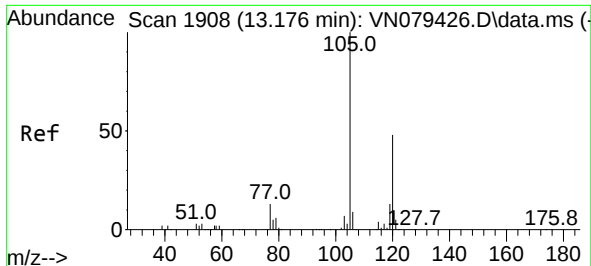
Tgt Ion:106 Resp: 351455
Ion Ratio Lower Upper
106 100
91 219.0 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

Tgt Ion:152 Resp: 253384
Ion Ratio Lower Upper
152 100
115 65.6 32.3 96.8
150 156.9 0.0 355.8

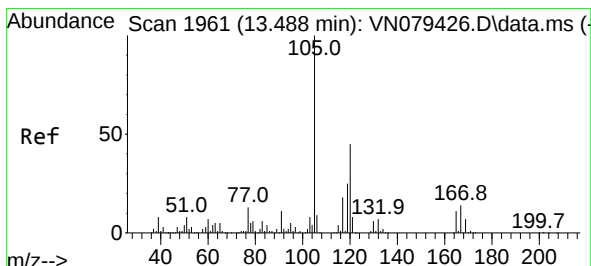
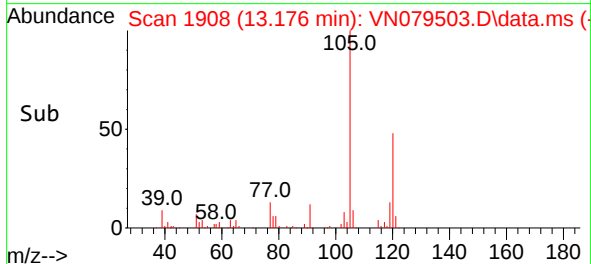
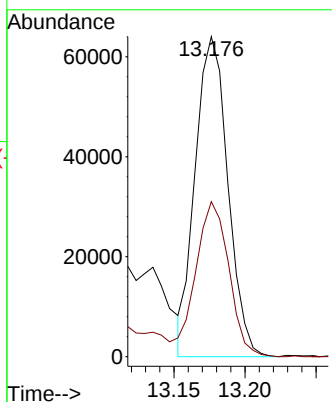
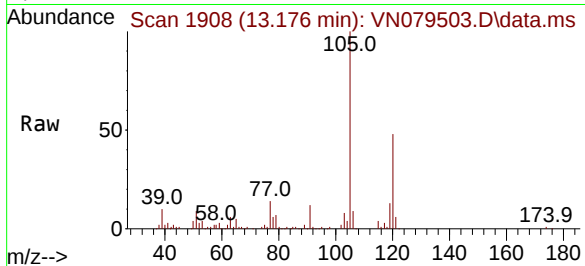




#80
 1,3,5-Trimethylbenzene
 Concen: 5.497 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079503.D
 Acq: 10 Oct 2023 19:13

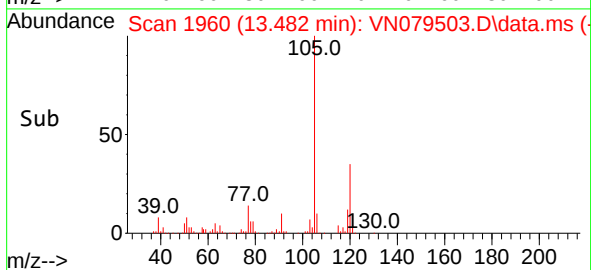
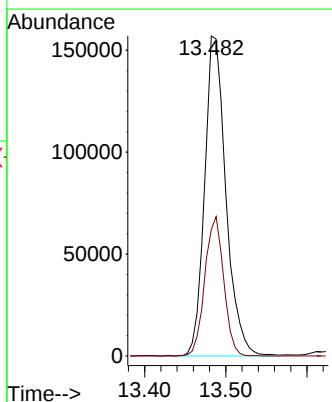
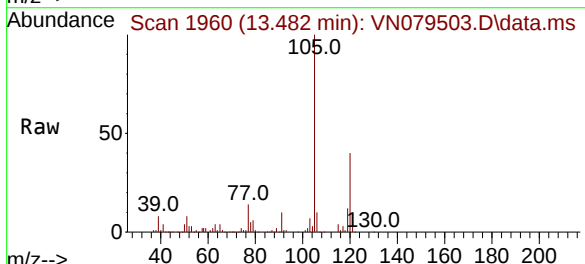
Instrument :
 MSVOA_N
 ClientSampleId :
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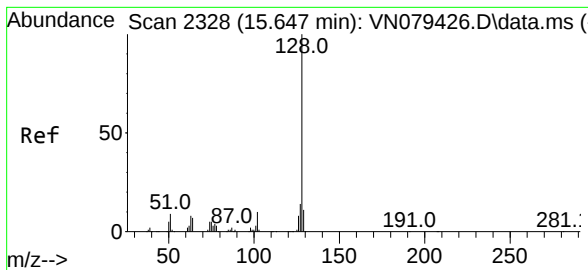
Tgt Ion:105 Resp: 102174
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 16.165 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.006 min
 Lab File: VN079503.D
 Acq: 10 Oct 2023 19:13

Tgt Ion:105 Resp: 286752
 Ion Ratio Lower Upper
 105 100
 120 38.4 22.0 66.0





#95
Naphthalene
Concen: 662.957 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079503.D
Acq: 10 Oct 2023 19:13

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 5606859
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 10.8 8.7 13.1

