

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101023\
 Data File : VN079498.D
 Acq On : 10 Oct 2023 17:13
 Operator : JC\MD
 Sample : 04813-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-10

Quant Time: Oct 11 06:21:10 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	329957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	631470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	623702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	285499	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	254082	47.492	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.980%
35) Dibromofluoromethane	8.171	113	220507	48.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.180%
50) Toluene-d8	10.571	98	753752	45.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.820%
62) 4-Bromofluorobenzene	12.853	95	311030	59.025	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.060%

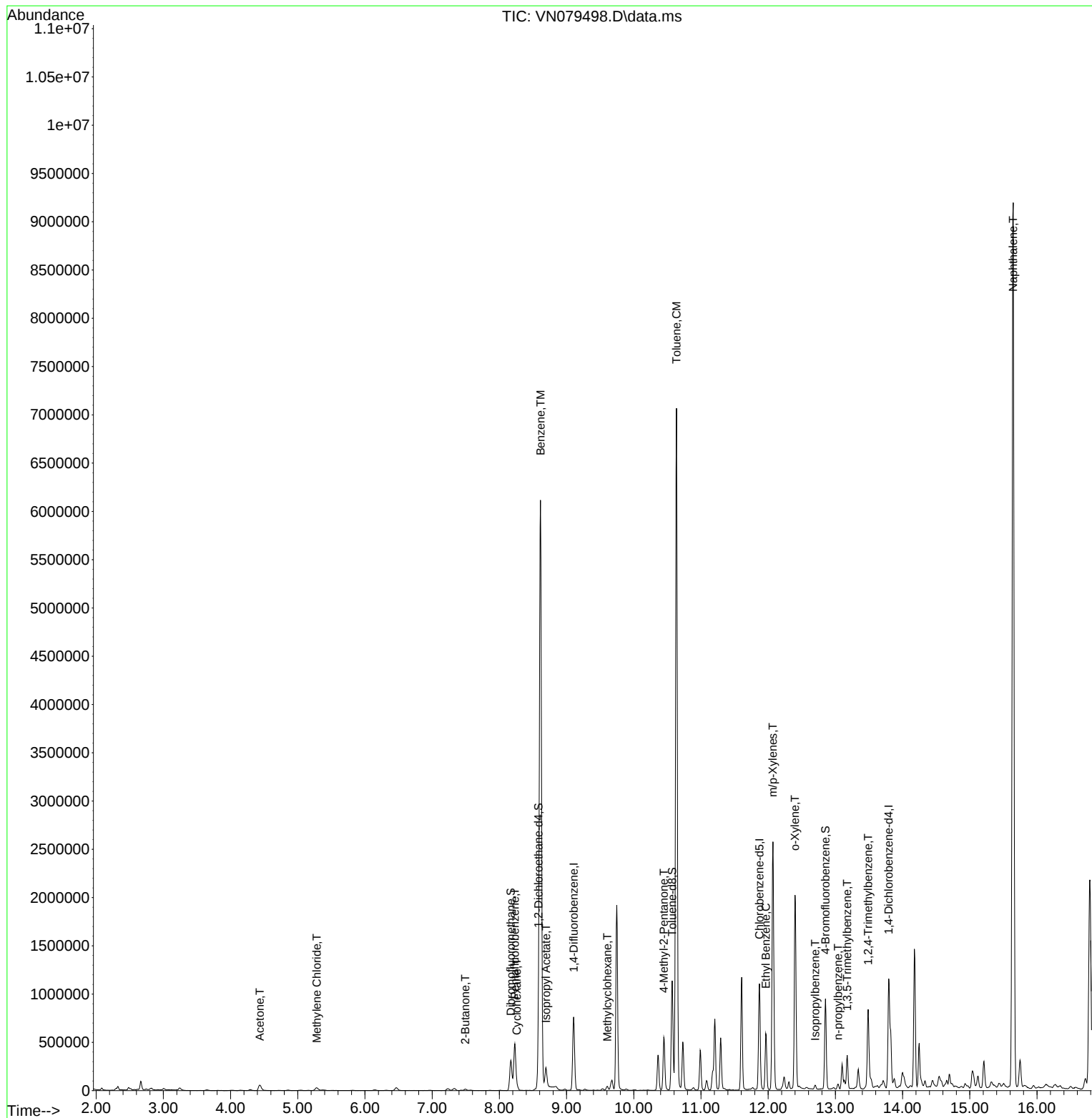
Target Compounds						Qvalue
16) Acetone	4.436	43	111293	52.448	ug/l	94
20) Methylene Chloride	5.283	84	21769	4.132	ug/l	88
25) 2-Butanone	7.494	43	24887	7.902	ug/l #	79
31) Cyclohexane	8.259	56	31838	4.195	ug/l	86
39) Methylcyclohexane	9.606	83	17501	2.675	ug/l #	89
40) Benzene	8.612	78	6141438	303.625	ug/l	100
43) Isopropyl Acetate	8.694	43	248347	20.917	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	376821	56.222	ug/l	90
52) Toluene	10.635	92	2983814	250.606	ug/l	98
67) Ethyl Benzene	11.965	91	414179	17.156	ug/l	97
68) m/p-Xylenes	12.071	106	778723	88.774	ug/l	94
69) o-Xylene	12.400	106	518541	60.108	ug/l	91
73) Isopropylbenzene	12.700	105	27589	1.039	ug/l	100
78) n-propylbenzene	13.041	91	40566	1.350	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	180205	8.604	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	488028	24.416	ug/l	94
95) Naphthalene	15.647	128	8267276	867.567	ug/l	99

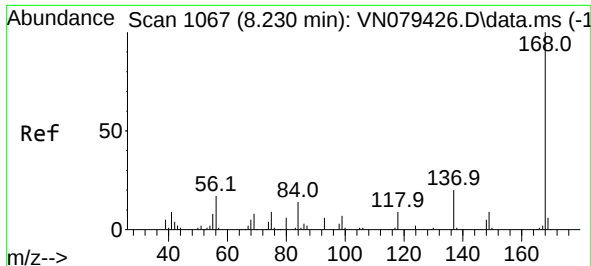
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

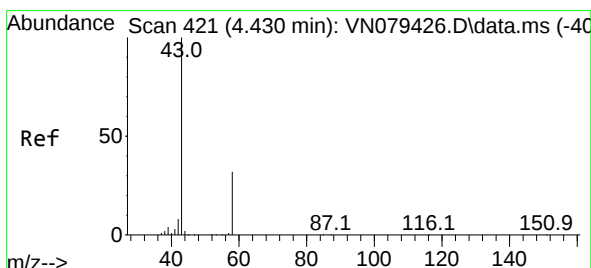
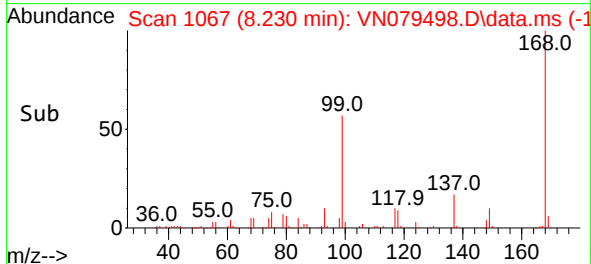
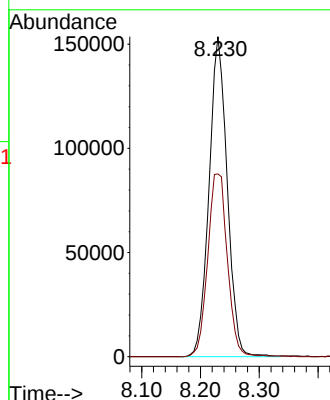
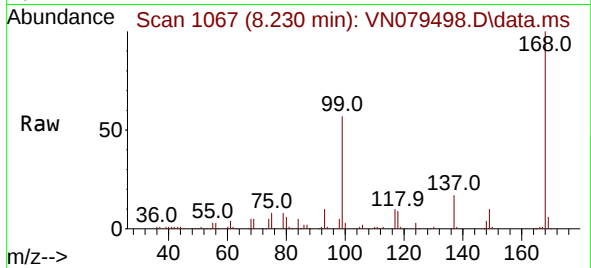




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

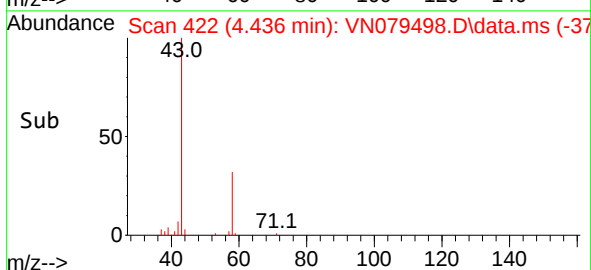
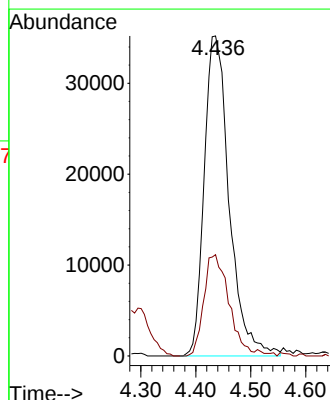
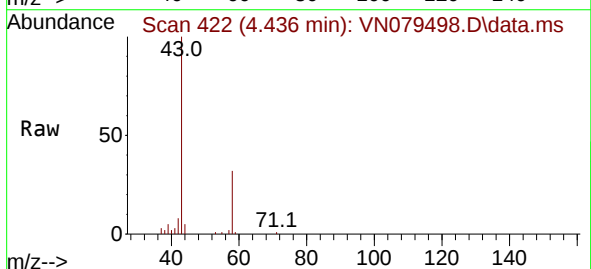
Instrument :
MSVOA_N
ClientSampleId :
S-10

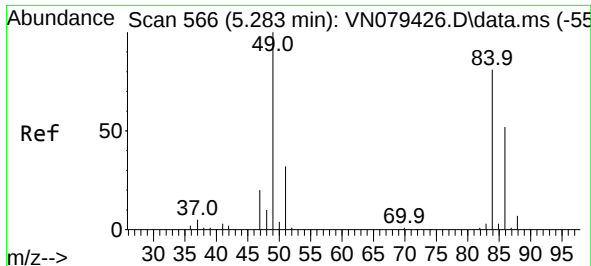
Tgt Ion:168 Resp: 329957
Ion Ratio Lower Upper
168 100
99 57.1 53.0 79.6



#16
Acetone
Concen: 52.448 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion: 43 Resp: 111293
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0

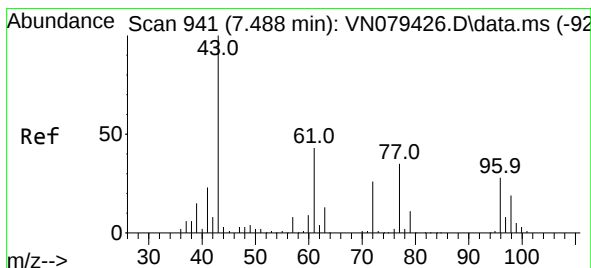
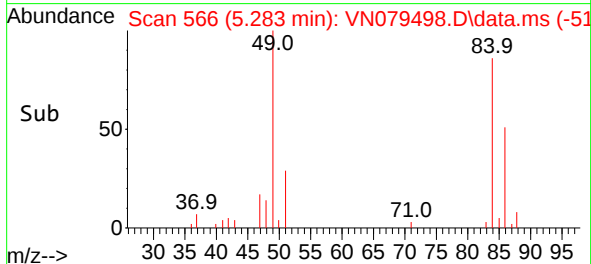
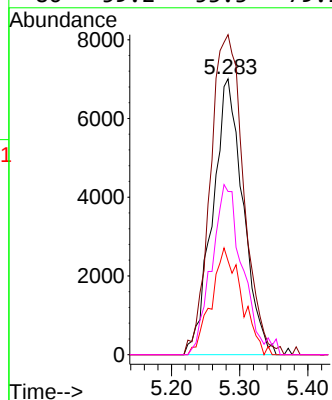
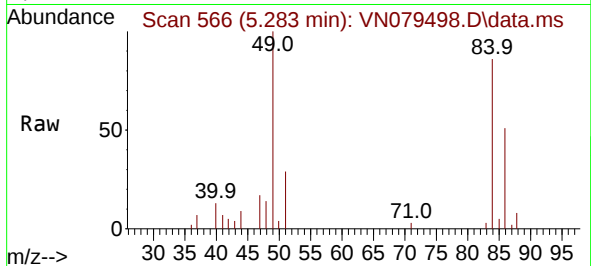




#20
Methylene Chloride
Concen: 4.132 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

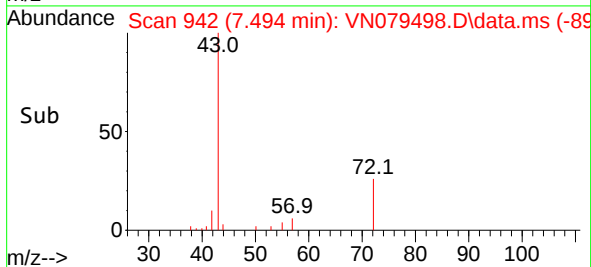
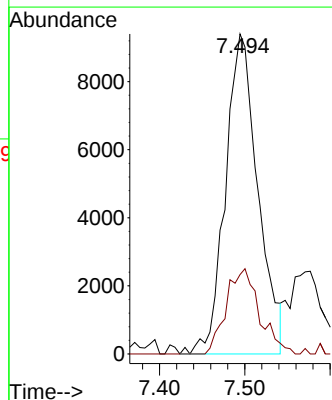
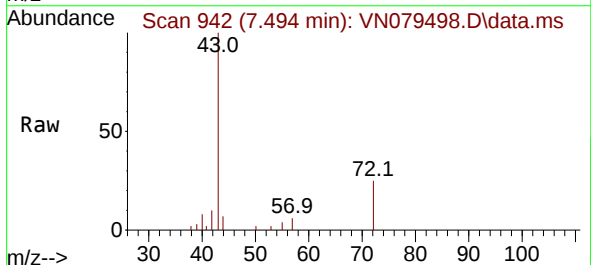
Instrument :
MSVOA_N
ClientSampleId :
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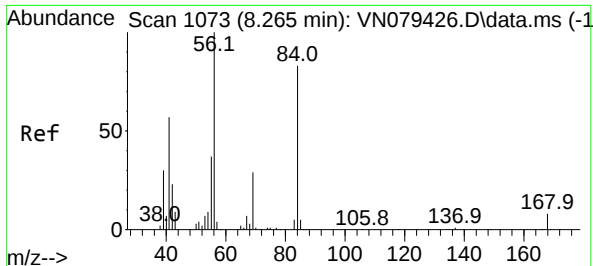
Tgt Ion:	84	Resp:	21769
Ion	Ratio	Lower	Upper
84	100		
49	116.0	79.7	119.5
51	34.0	25.2	37.8
86	59.2	53.3	79.9



#25
2-Butanone
Concen: 7.902 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion:	43	Resp:	24887
Ion	Ratio	Lower	Upper
43	100		
72	24.8	30.2	45.2#

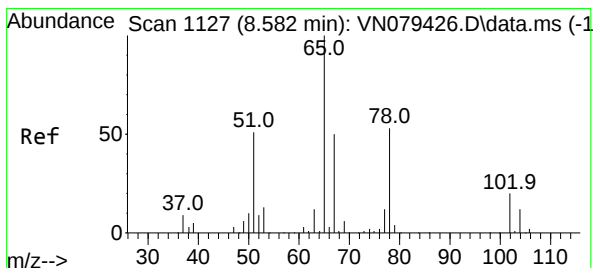
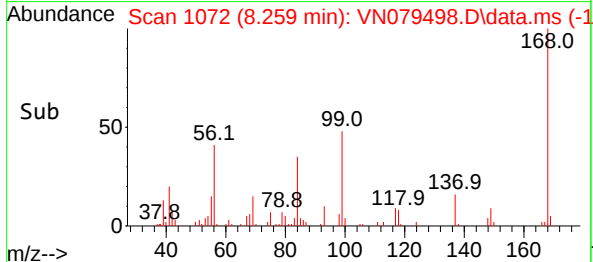
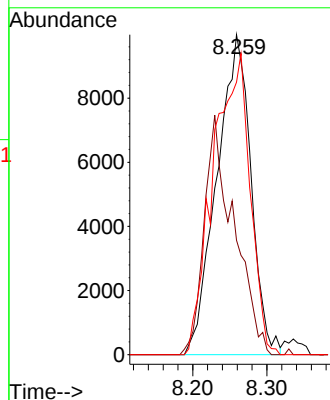
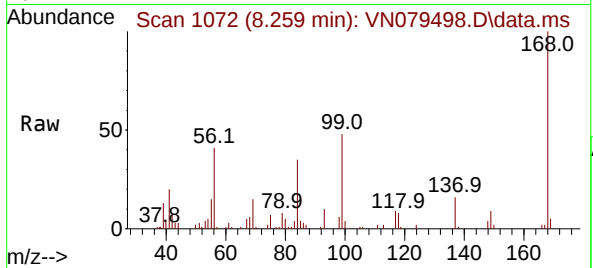




#31
Cyclohexane
Concen: 4.195 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

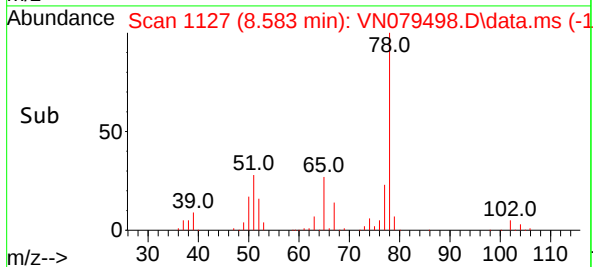
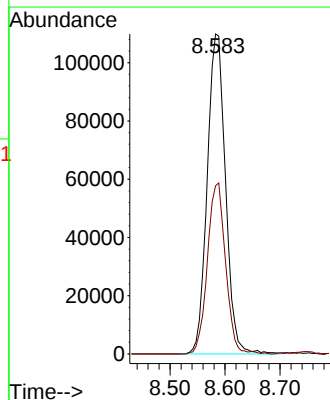
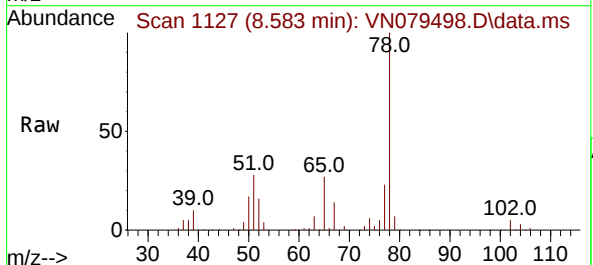
Instrument :
MSVOA_N
ClientSampleId :
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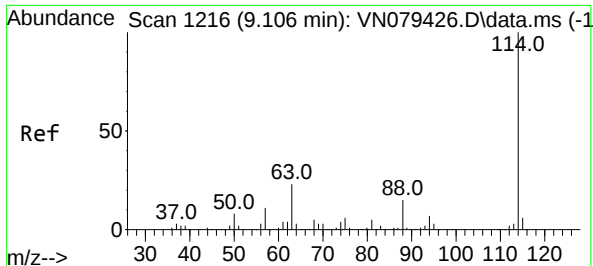
Tgt Ion: 56 Resp: 31838
Ion Ratio Lower Upper
56 100
69 35.7 26.8 40.2
84 85.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.492 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion: 65 Resp: 254082
Ion Ratio Lower Upper
65 100
67 53.1 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: VN079498.D

Acq: 10 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

S-10

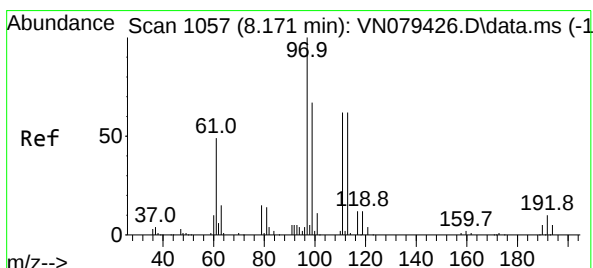
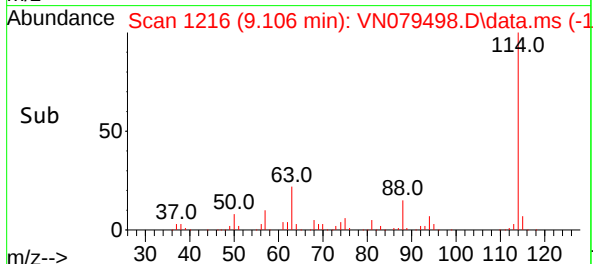
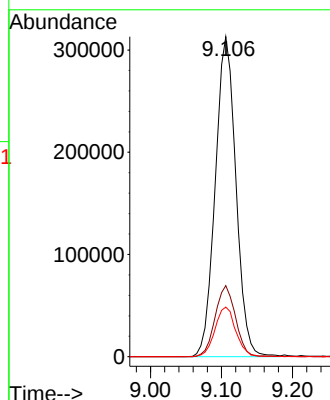
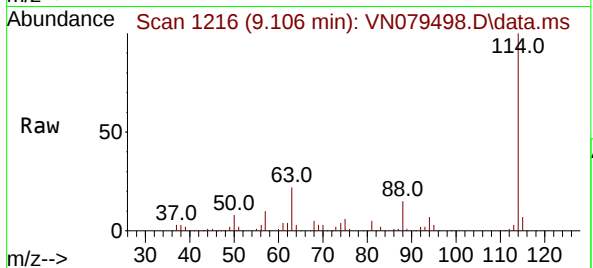
Tgt Ion:114 Resp: 631470

Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.592 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079498.D

Acq: 10 Oct 2023 17:13

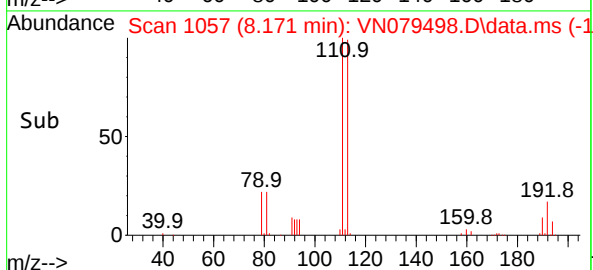
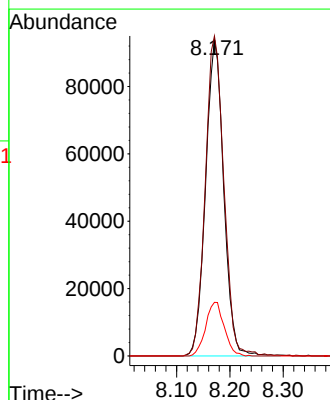
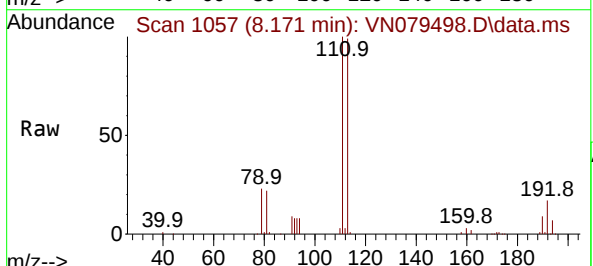
Tgt Ion:113 Resp: 220507

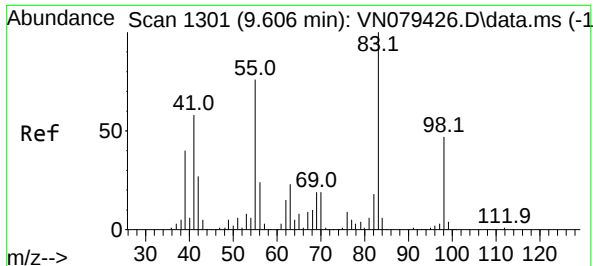
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 17.5 12.7 19.1





#39

Methylcyclohexane

Concen: 2.675 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN079498.D

Acq: 10 Oct 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

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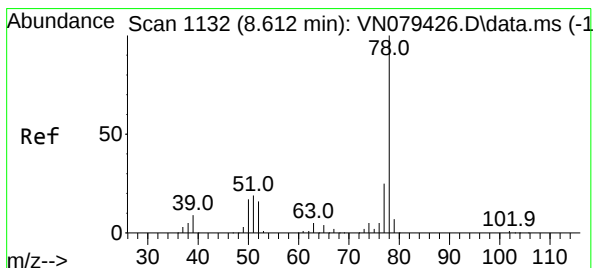
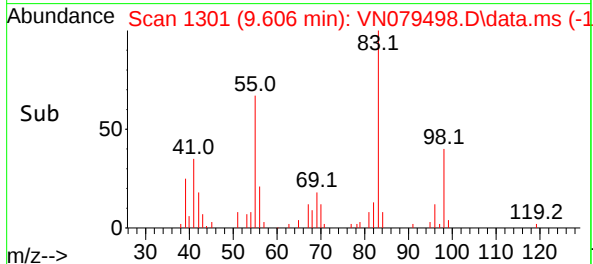
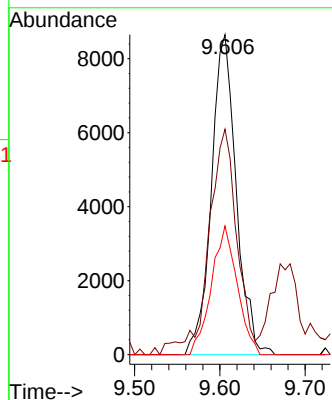
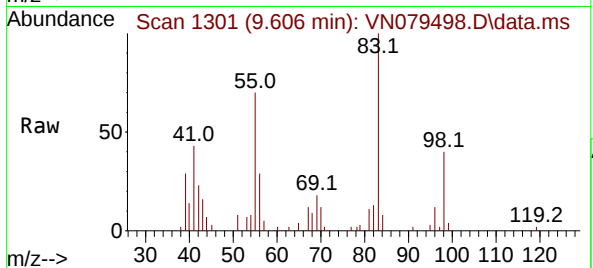
Tgt Ion: 83 Resp: 17501

Ion Ratio Lower Upper

83 100

55 66.7 49.1 73.7

98 40.2 40.6 61.0#



#40

Benzene

Concen: 303.625 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079498.D

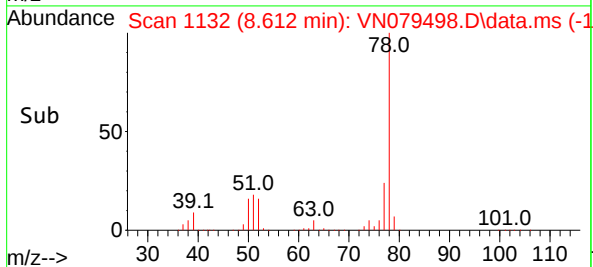
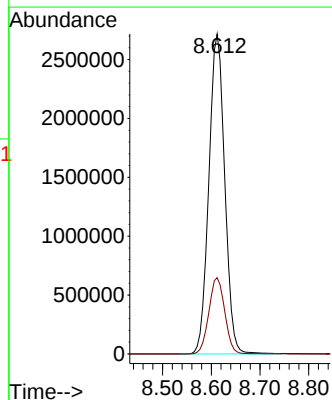
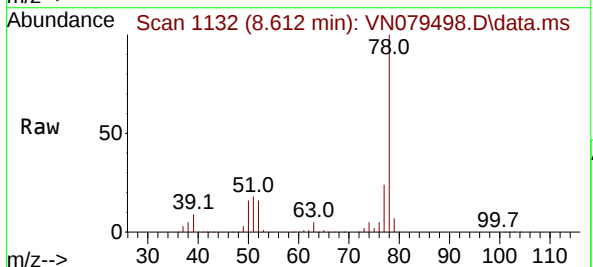
Acq: 10 Oct 2023 17:13

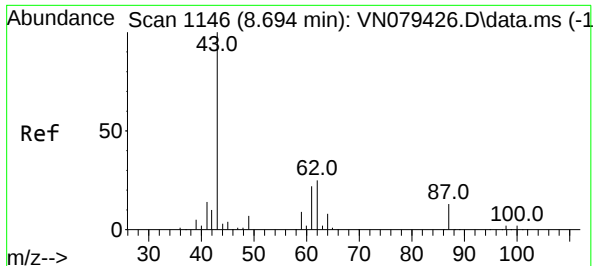
Tgt Ion: 78 Resp: 6141438

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

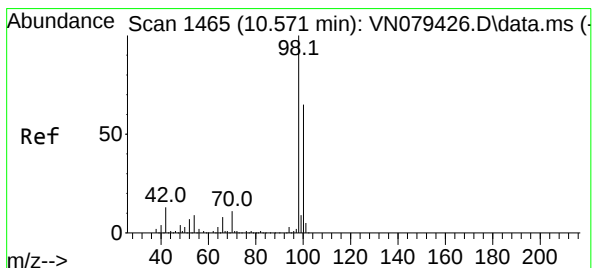
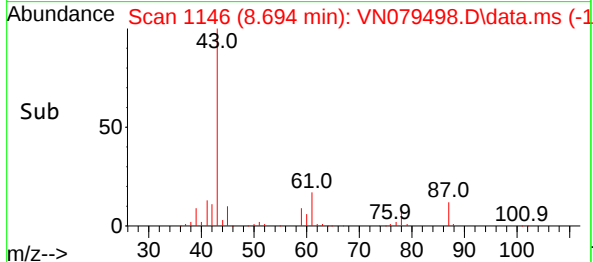
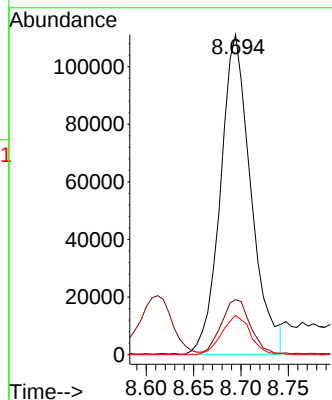
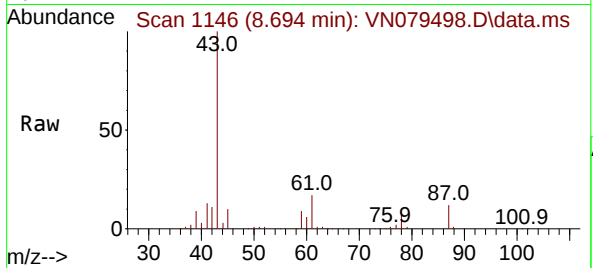




#43
Isopropyl Acetate
Concen: 20.917 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

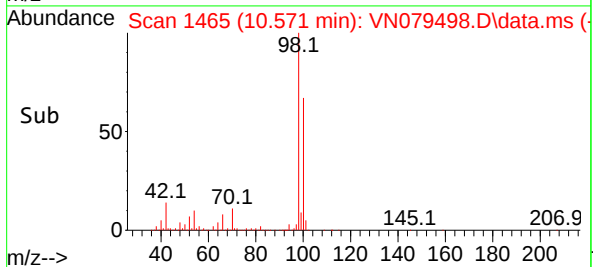
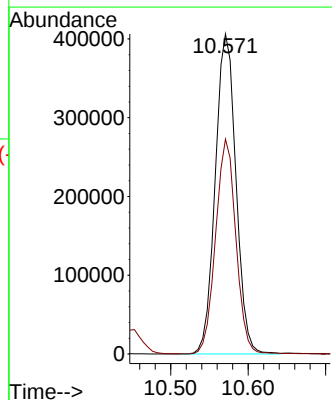
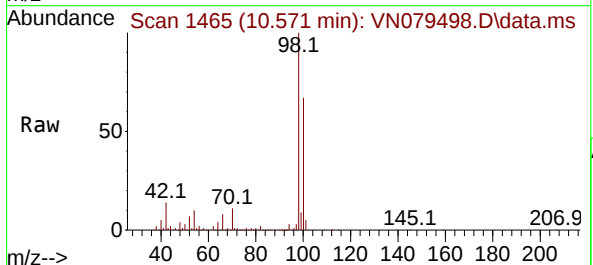
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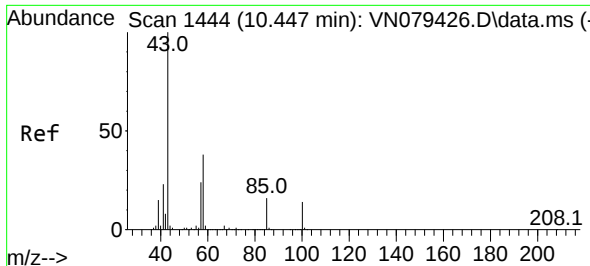
Tgt Ion: 43 Resp: 248347
Ion Ratio Lower Upper
43 100
61 16.1 24.7 37.1#
87 11.5 14.6 21.8#



#50
Toluene-d8
Concen: 45.905 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion: 98 Resp: 753752
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0

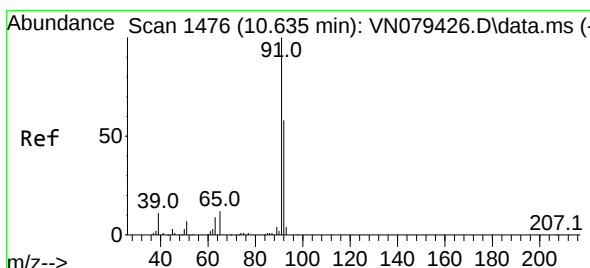
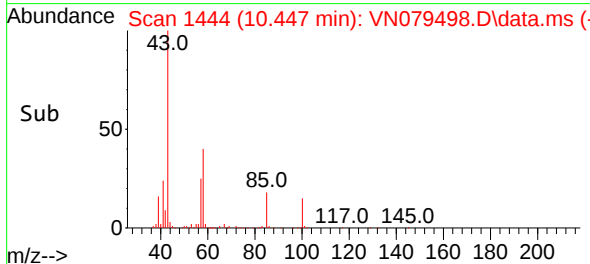
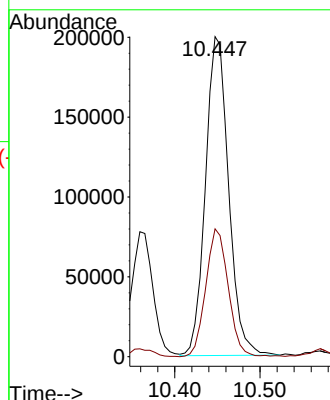
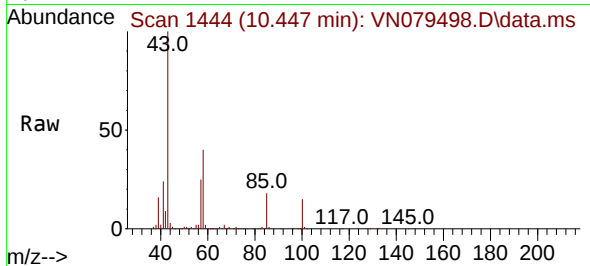




#51
4-Methyl-2-Pentanone
Concen: 56.222 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

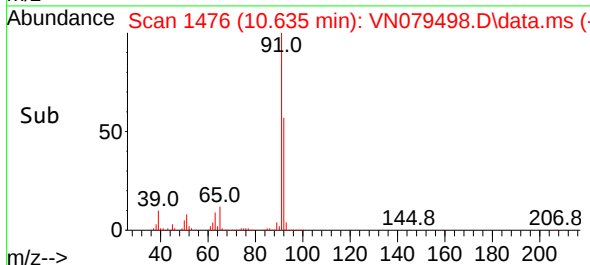
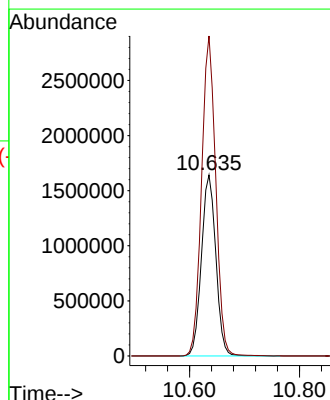
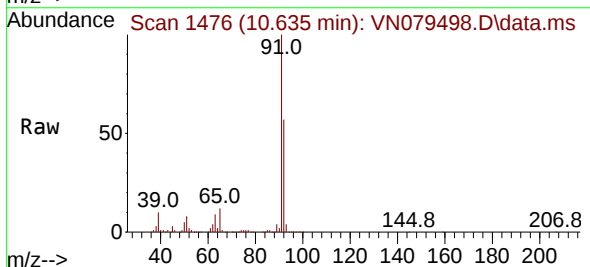
Instrument :
MSVOA_N
ClientSampleId :
S-10

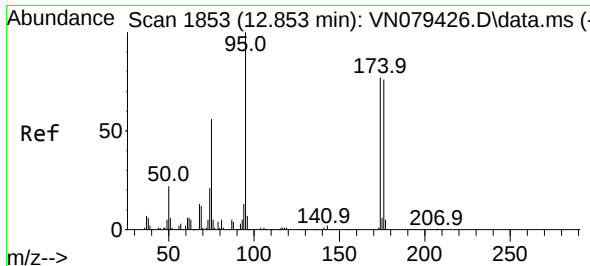
Tgt Ion: 43 Resp: 376821
Ion Ratio Lower Upper
43 100
58 39.0 36.6 54.8



#52
Toluene
Concen: 250.606 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion: 92 Resp: 2983814
Ion Ratio Lower Upper
92 100
91 174.1 137.4 206.0

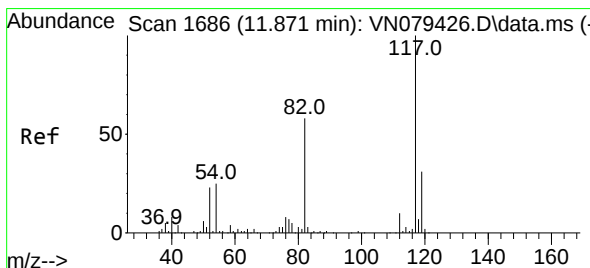
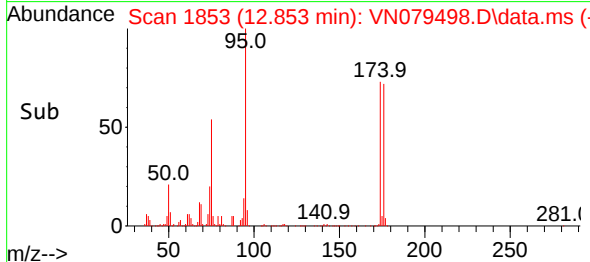
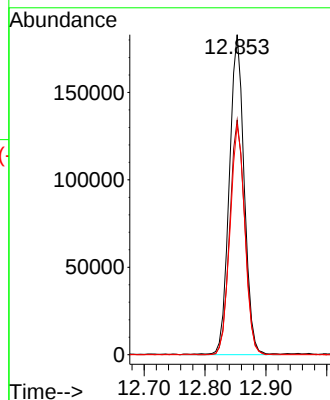
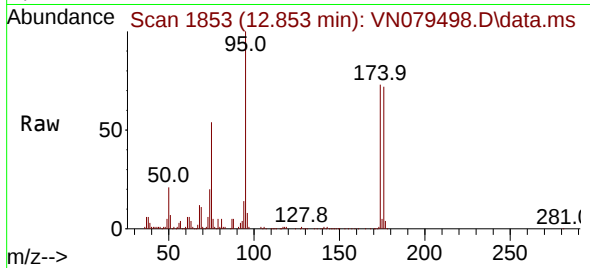




#62
4-Bromofluorobenzene
Concen: 59.025 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

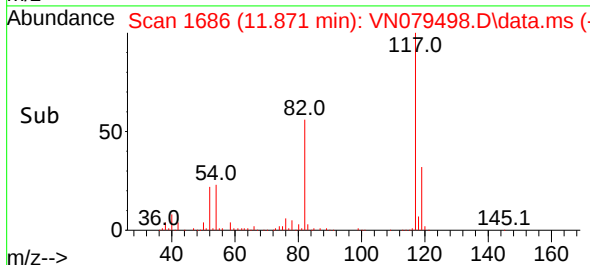
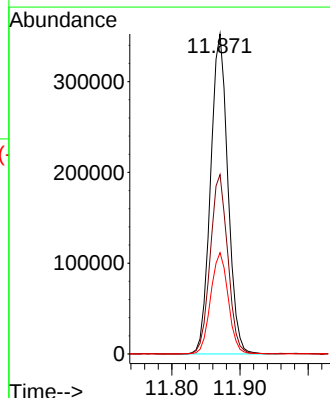
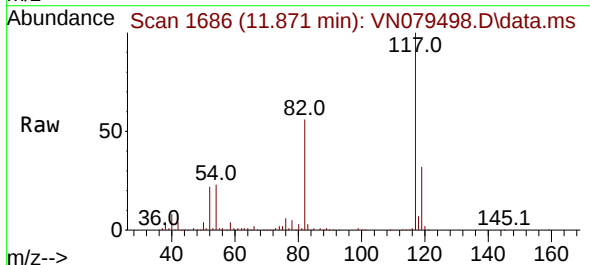
Instrument :
MSVOA_N
ClientSampleId :
S-10

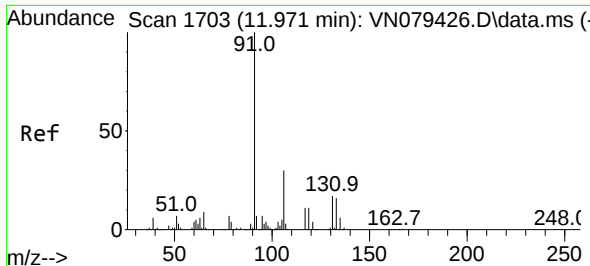
Tgt Ion: 95 Resp: 311030
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 71.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion: 117 Resp: 623702
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 31.7 25.6 38.4

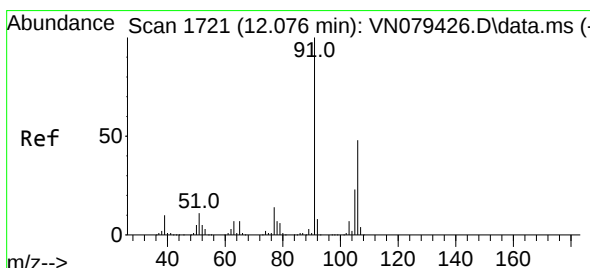
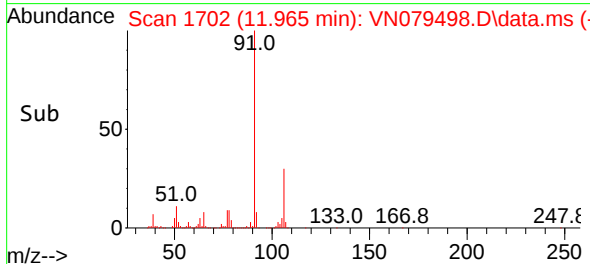
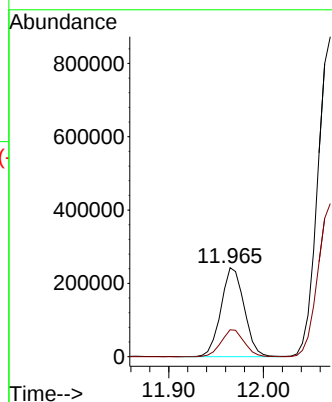
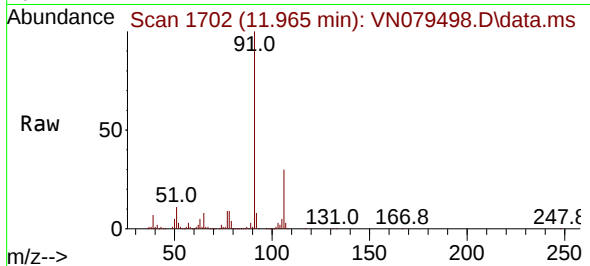




#67
Ethyl Benzene
Concen: 17.156 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

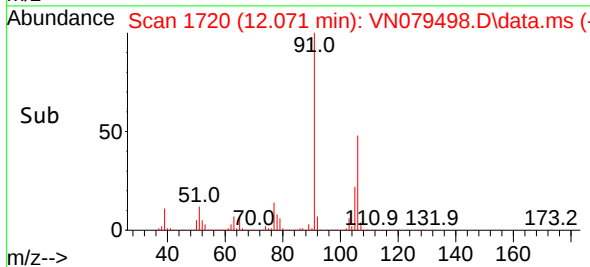
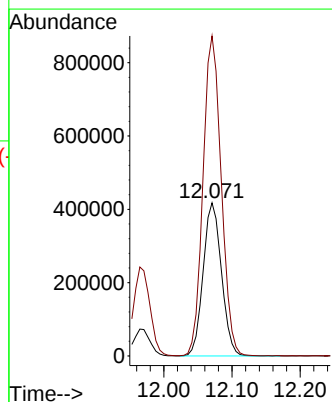
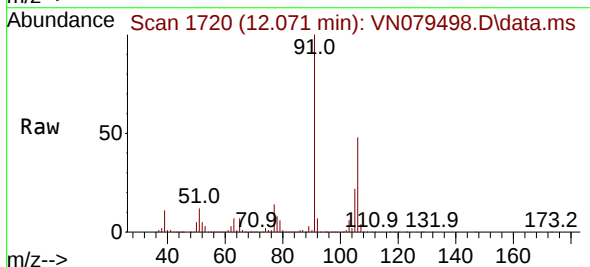
Instrument :
MSVOA_N
ClientSampleId :
S-10

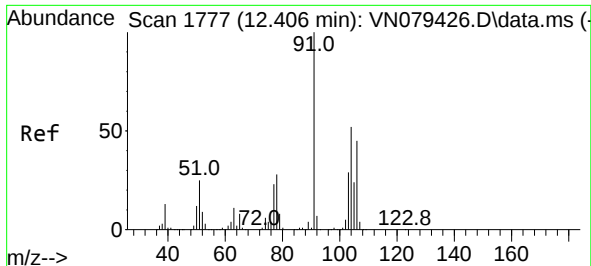
Tgt Ion: 91 Resp: 414179
Ion Ratio Lower Upper
91 100
106 30.2 25.6 38.4



#68
m/p-Xylenes
Concen: 88.774 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion:106 Resp: 778723
Ion Ratio Lower Upper
106 100
91 208.5 159.6 239.4

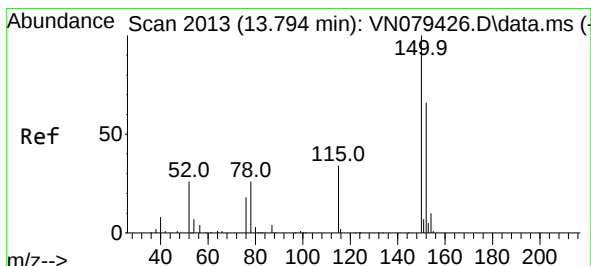
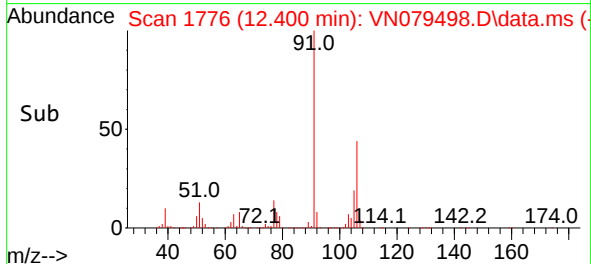
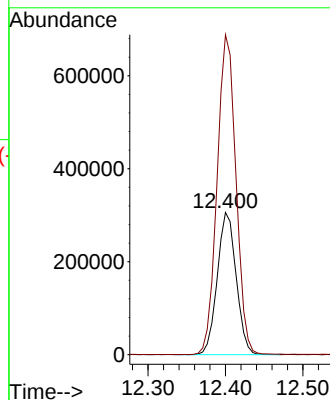
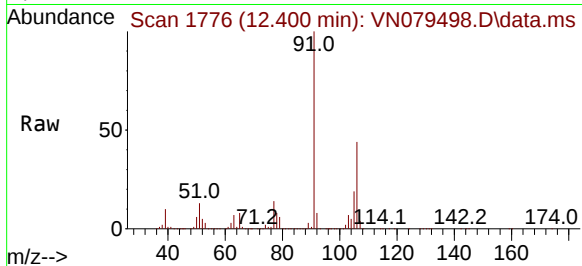




#69
o-Xylene
Concen: 60.108 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

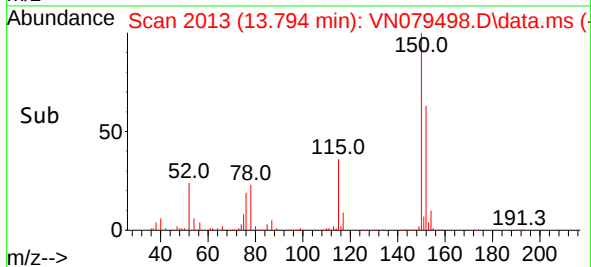
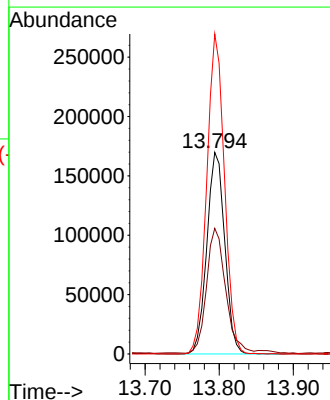
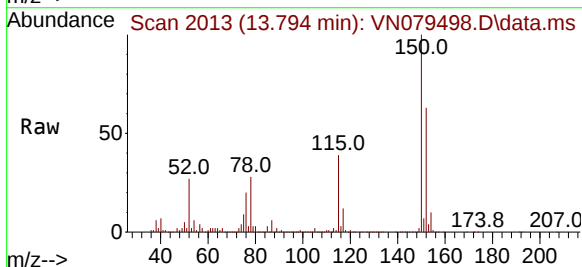
Instrument :
MSVOA_N
ClientSampleId :
S-10

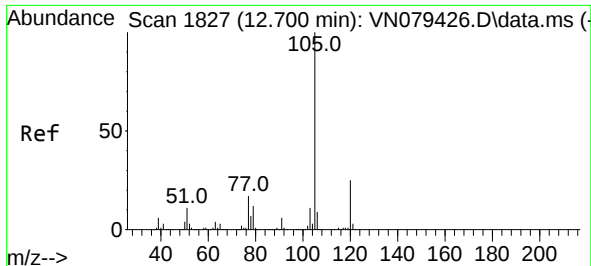
Tgt Ion:106 Resp: 518541
Ion Ratio Lower Upper
106 100
91 224.6 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion:152 Resp: 285499
Ion Ratio Lower Upper
152 100
115 66.0 32.3 96.8
150 156.7 0.0 355.8

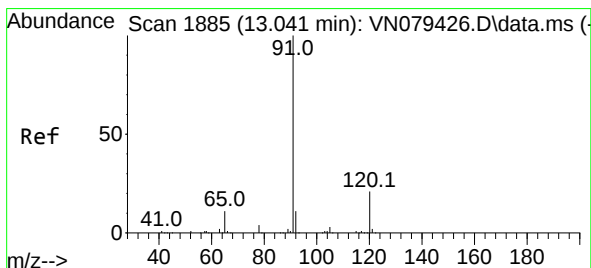
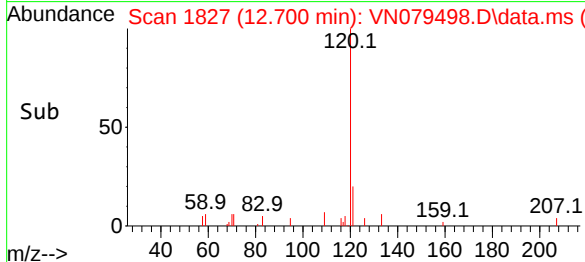
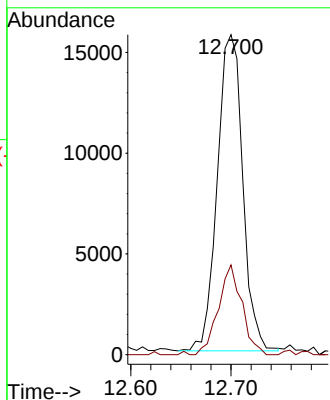
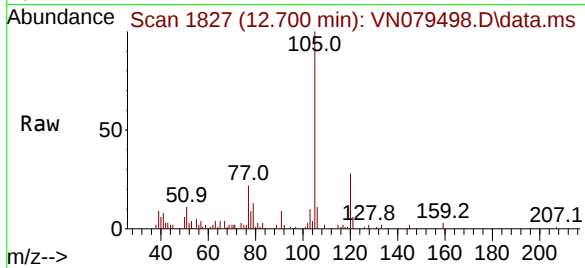




#73
Isopropylbenzene
Concen: 1.039 ug/l
RT: 12.700 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

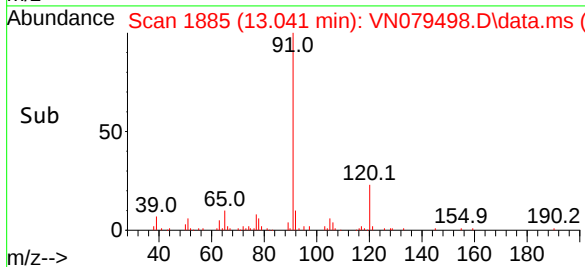
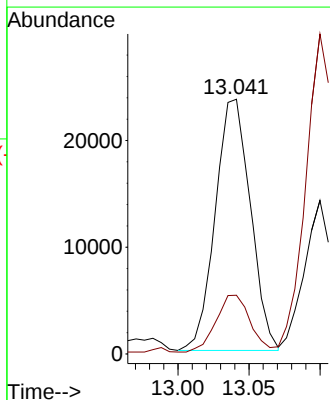
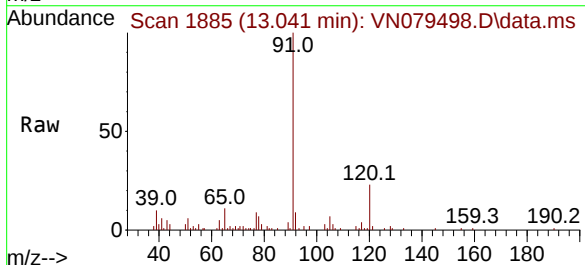
Instrument :
MSVOA_N
ClientSampleId :
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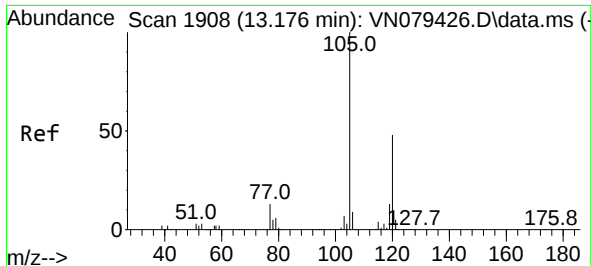
Tgt Ion:105 Resp: 27589
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1



#78
n-propylbenzene
Concen: 1.350 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Tgt Ion: 91 Resp: 40566
Ion Ratio Lower Upper
91 100
120 21.9 11.5 34.4

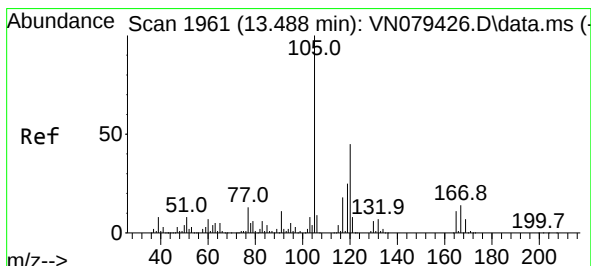
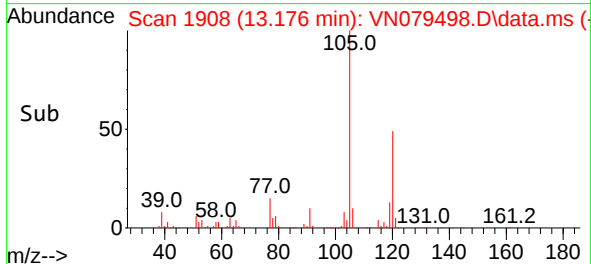
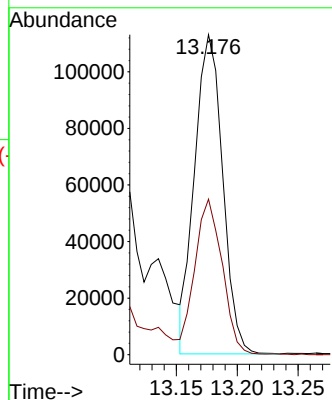
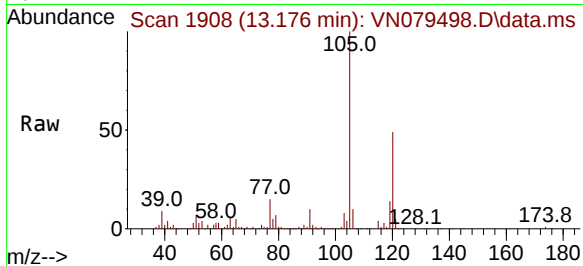




#80
 1,3,5-Trimethylbenzene
 Concen: 8.604 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079498.D
 Acq: 10 Oct 2023 17:13

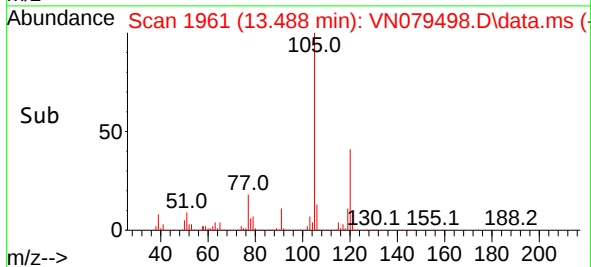
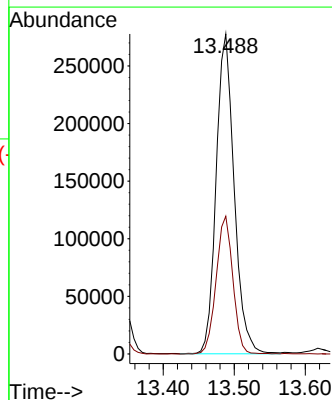
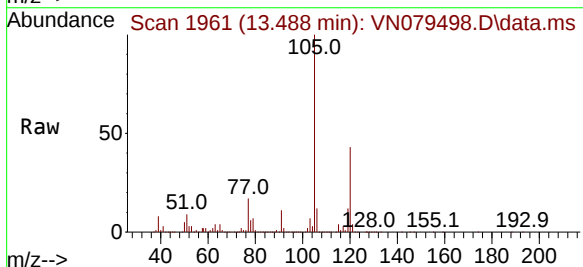
Instrument :
 MSVOA_N
 ClientSampleId :
 S-10

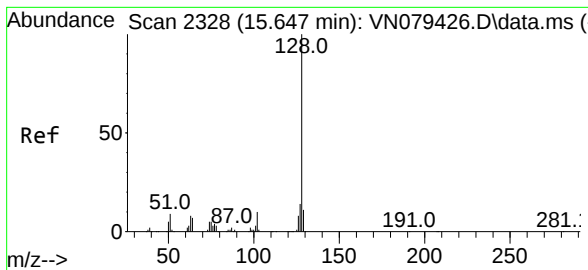
Tgt Ion:105 Resp: 180205
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 24.416 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN079498.D
 Acq: 10 Oct 2023 17:13

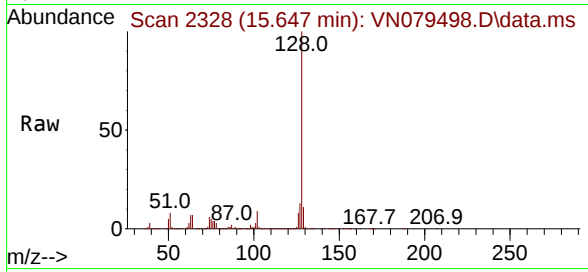
Tgt Ion:105 Resp: 488028
 Ion Ratio Lower Upper
 105 100
 120 39.9 22.0 66.0





#95
Naphthalene
Concen: 867.567 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079498.D
Acq: 10 Oct 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 8267276
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.0 8.7 13.1

