

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075606.D
 Acq On : 07 Dec 2022 15:01
 Operator : JC\MD
 Sample : N5876-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HILL-12-02-SIL

Quant Time: Dec 07 15:31:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

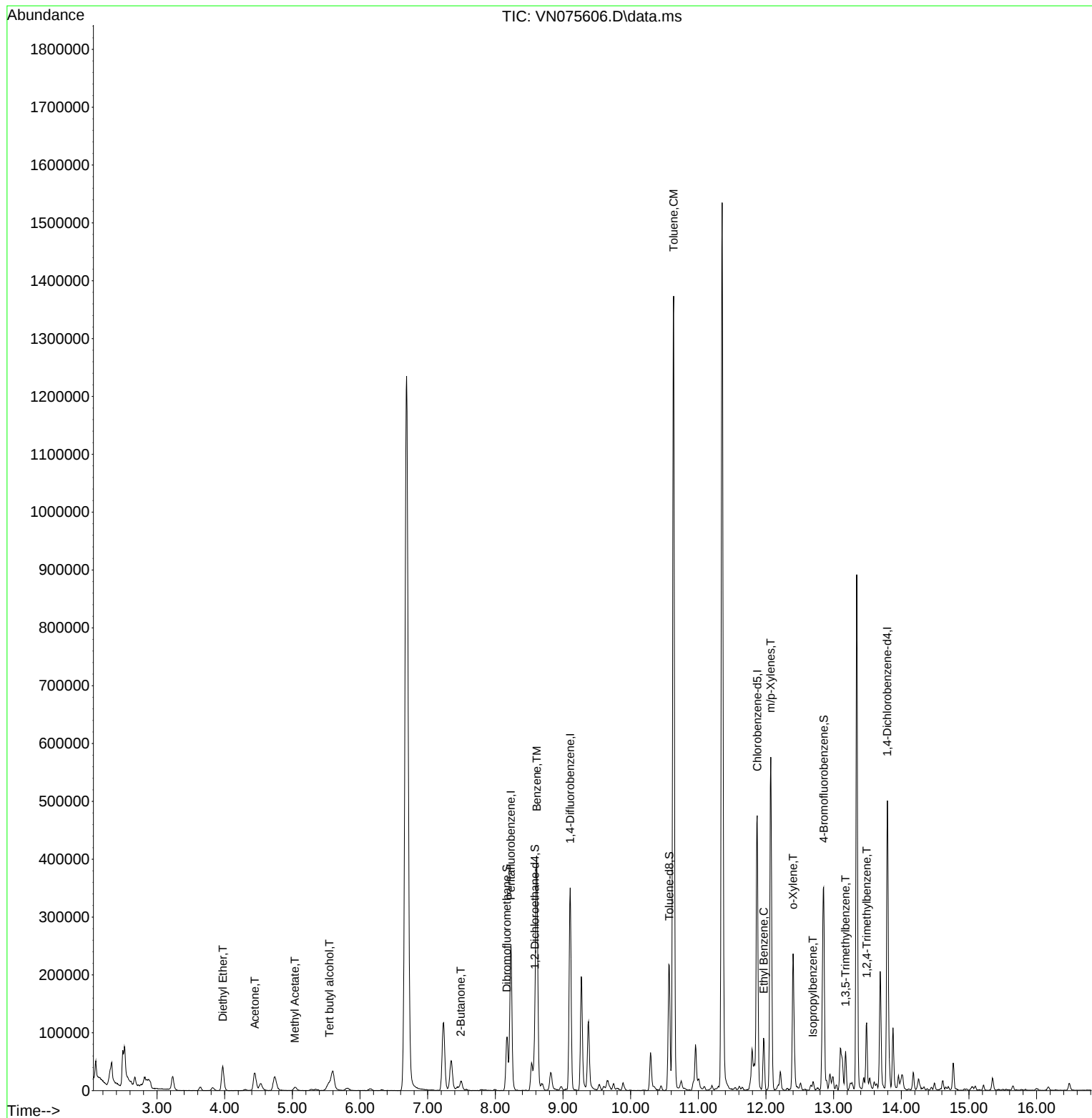
Internal Standards						
1) Pentafluorobenzene	8.229	168	196665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	296363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	53050	50.252	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.500%
35) Dibromofluoromethane	8.171	113	66990	51.997	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.000%
50) Toluene-d8	10.570	98	142824	49.220	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.853	95	109255	51.011	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.020%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.971	74	27986	23.701	ug/l	100
11) Tert butyl alcohol	5.547	59	27584	62.244	ug/l #	75
16) Acetone	4.447	43	56259	57.134	ug/l	96
18) Methyl Acetate	5.036	43	12181	3.708	ug/l	97
25) 2-Butanone	7.488	43	24425	17.767	ug/l	93
40) Benzene	8.612	78	426706	49.605	ug/l	98
52) Toluene	10.635	92	645184	116.389	ug/l	99
67) Ethyl Benzene	11.964	91	65499	6.273	ug/l	97
68) m/p-Xylenes	12.070	106	194762	45.931	ug/l	99
69) o-Xylene	12.400	106	69832	16.575	ug/l	93
73) Isopropylbenzene	12.694	105	10861	1.023	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	36922	4.188	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	67144	7.592	ug/l	99

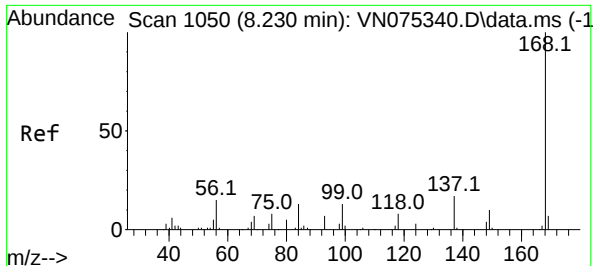
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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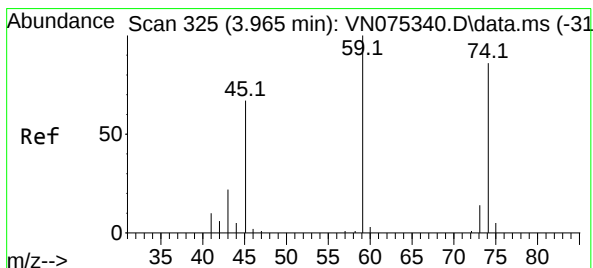
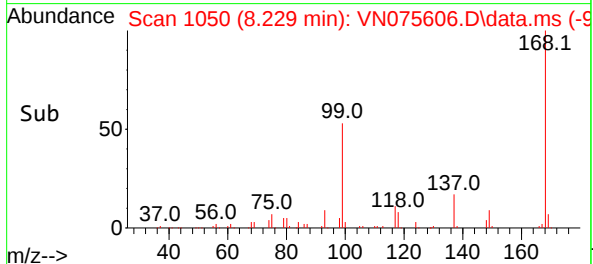
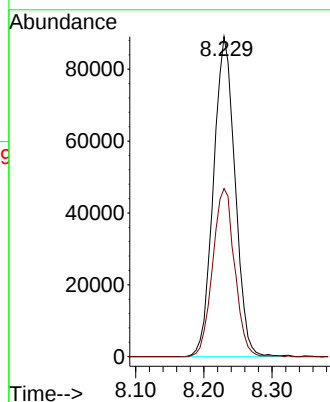
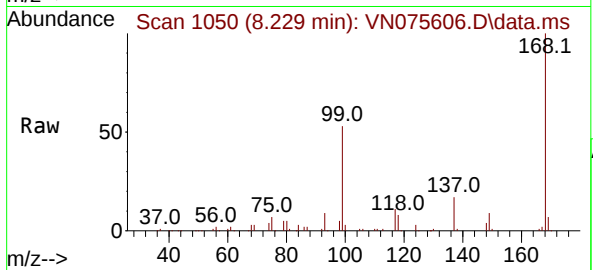




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

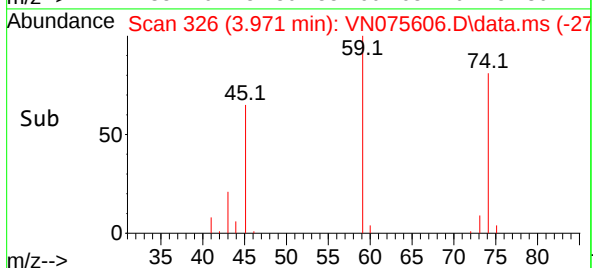
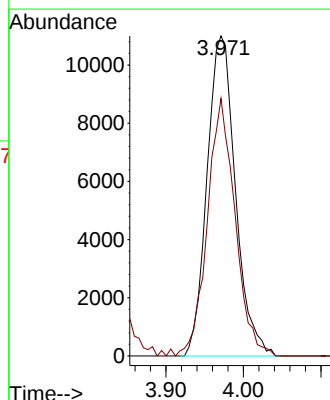
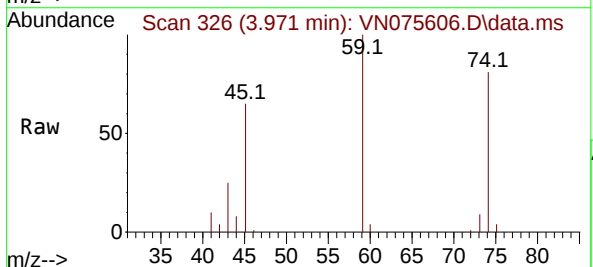
Instrument :
MSVOA_N
ClientSampleId :
HILL-12-02-SIL

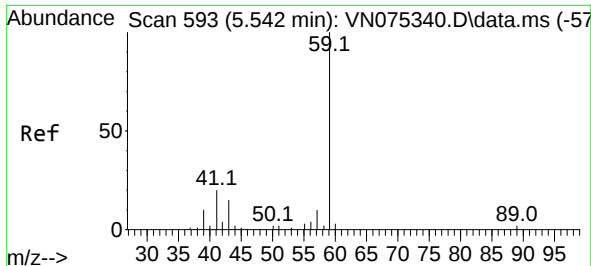
Tgt Ion:168 Resp: 196665
Ion Ratio Lower Upper
168 100
99 52.6 51.6 77.4



#8
Diethyl Ether
Concen: 23.701 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion: 74 Resp: 27986
Ion Ratio Lower Upper
74 100
45 78.5 39.3 117.9

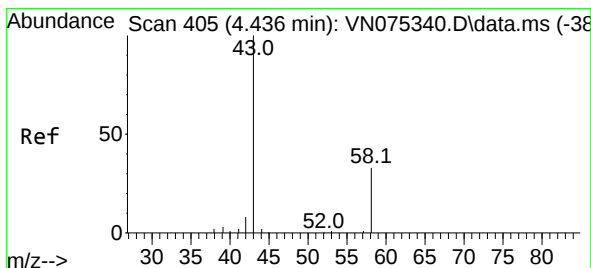
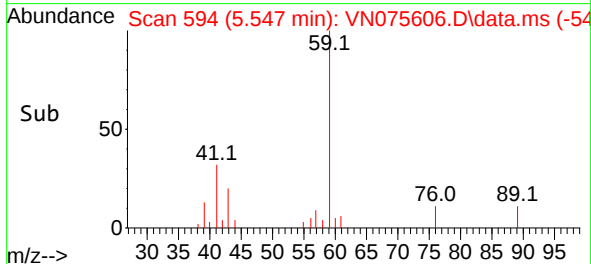
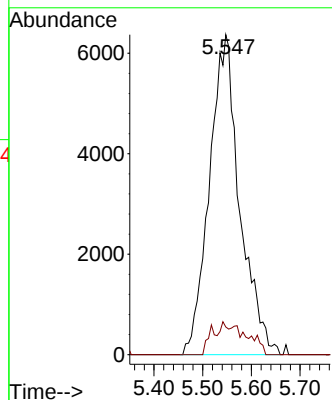
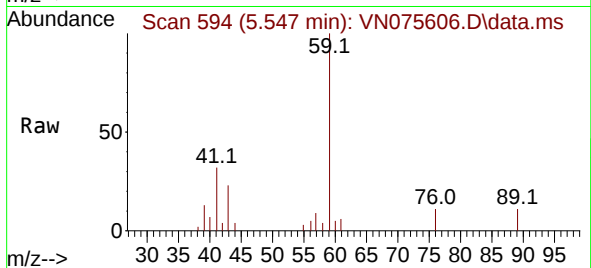




#11
Tert butyl alcohol
Concen: 62.244 ug/l
RT: 5.547 min Scan# 593
Delta R.T. 0.005 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

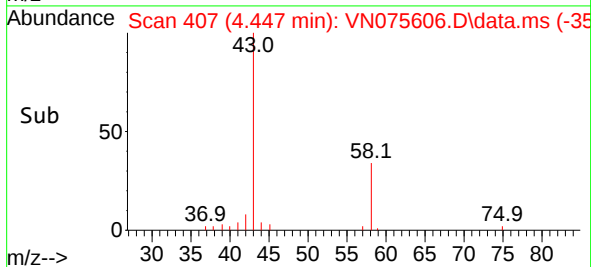
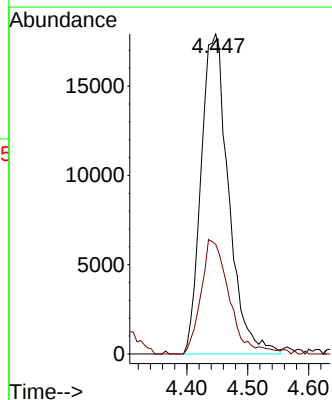
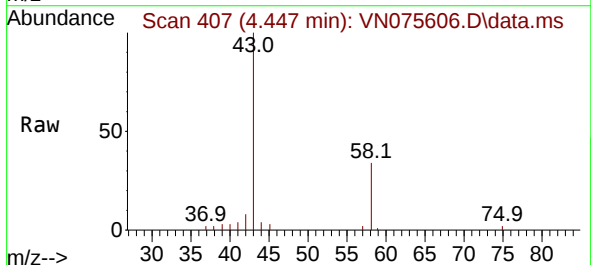
Instrument :
MSVOA_N
ClientSampleId :
HILL-12-02-SIL

Tgt Ion: 59 Resp: 27584
Ion Ratio Lower Upper
59 100
57 1.0 8.5 12.7#



#16
Acetone
Concen: 57.134 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.011 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion: 43 Resp: 56259
Ion Ratio Lower Upper
43 100
58 34.2 25.5 38.3

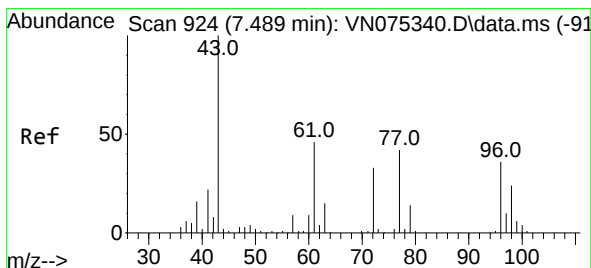
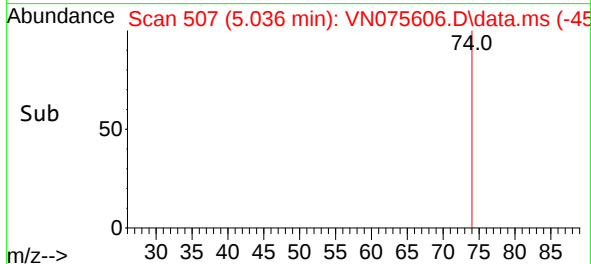
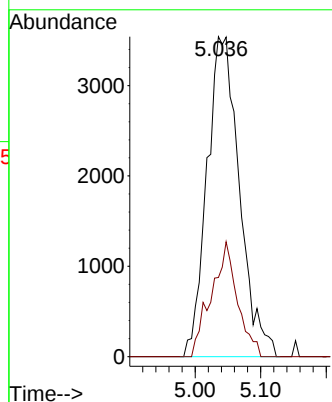
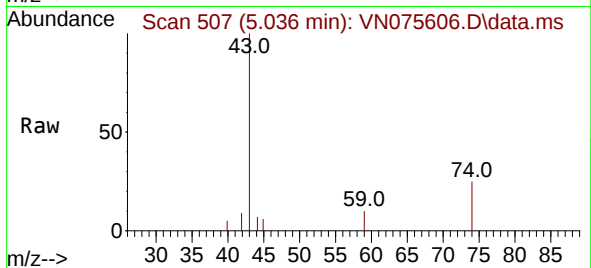




#18
Methyl Acetate
Concen: 3.708 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

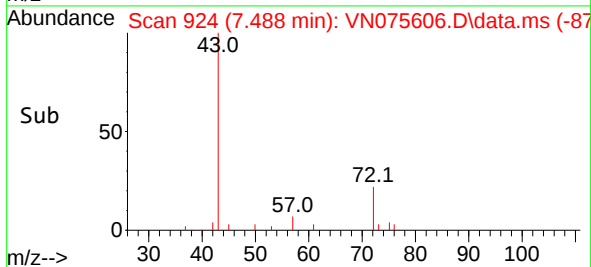
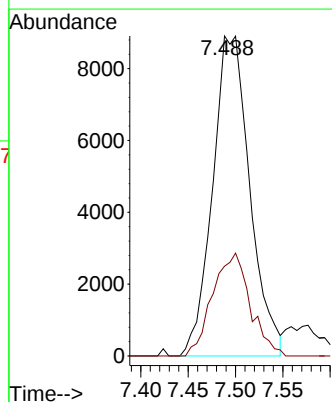
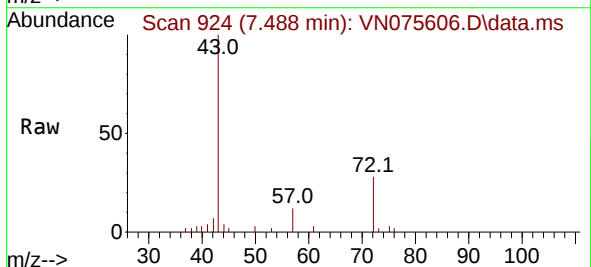
Instrument :
MSVOA_N
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HILL-12-02-SIL

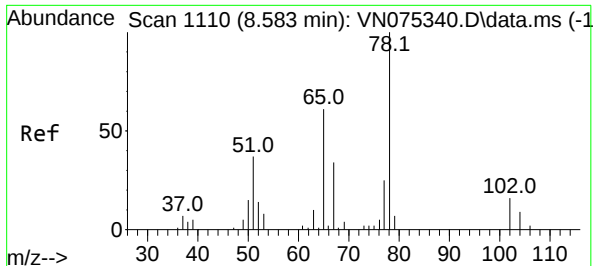
Tgt Ion: 43 Resp: 12181
Ion Ratio Lower Upper
43 100
74 28.9 22.0 33.0



#25
2-Butanone
Concen: 17.767 ug/l
RT: 7.488 min Scan# 924
Delta R.T. -0.001 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion: 43 Resp: 24425
Ion Ratio Lower Upper
43 100
72 28.1 25.5 38.3





#33

1,2-Dichloroethane-d4

Concen: 50.252 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075606.D

Acq: 07 Dec 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

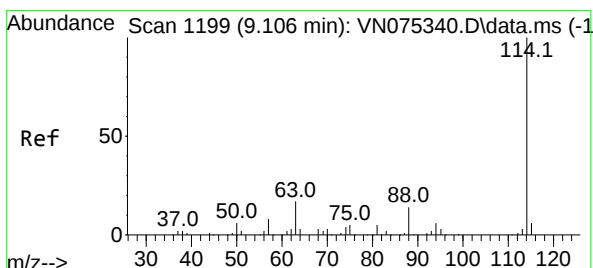
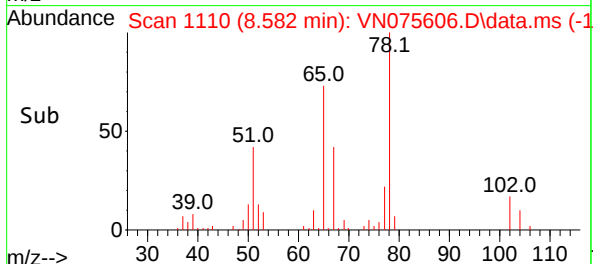
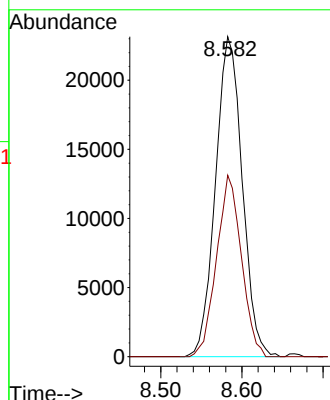
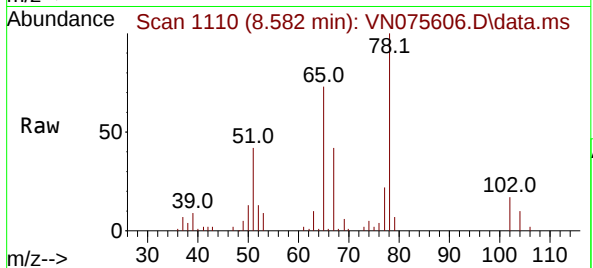
HILL-12-02-SIL

Tgt Ion: 65 Resp: 53050

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075606.D

Acq: 07 Dec 2022 15:01

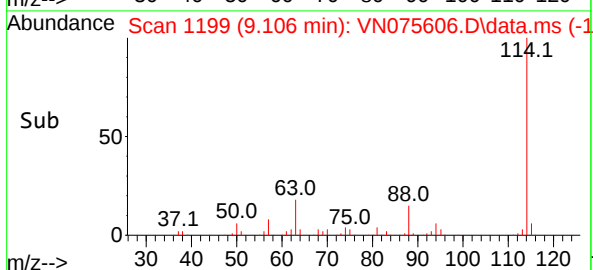
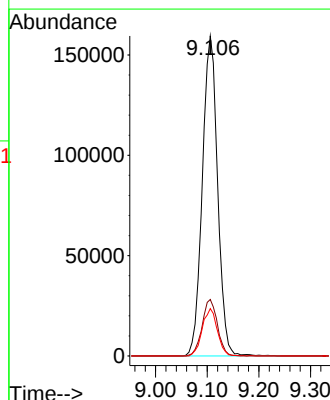
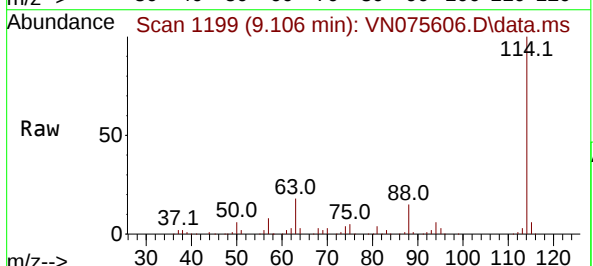
Tgt Ion: 114 Resp: 327965

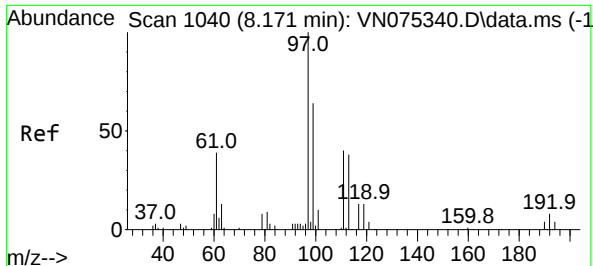
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.8 0.0 29.0

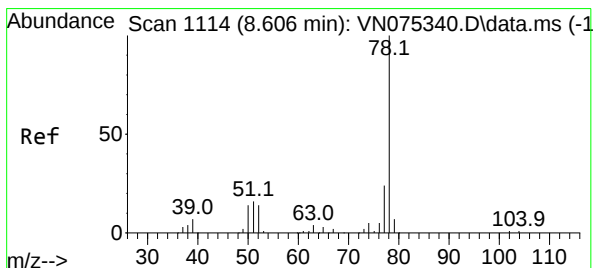
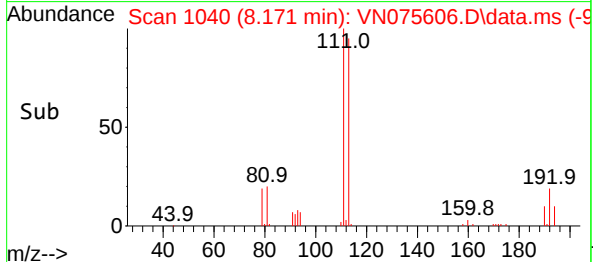
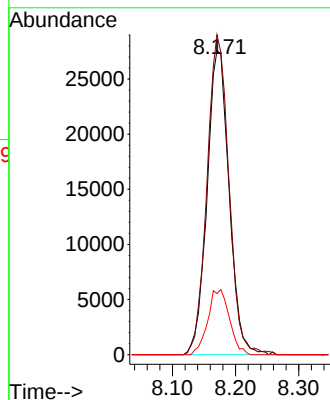
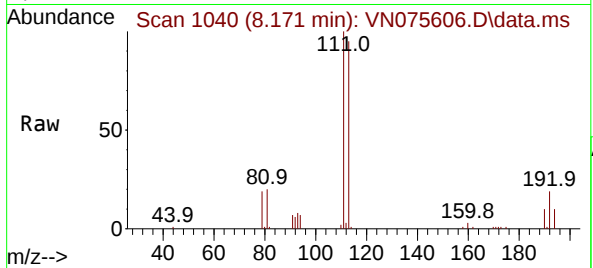




#35
Dibromofluoromethane
Concen: 51.997 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

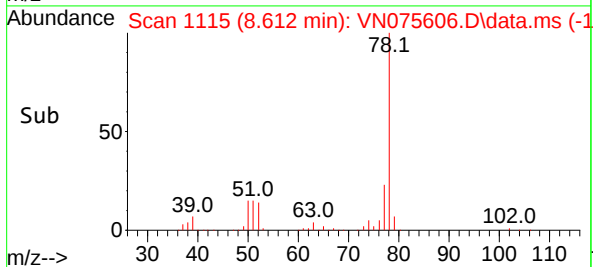
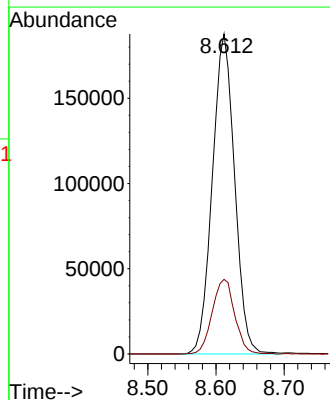
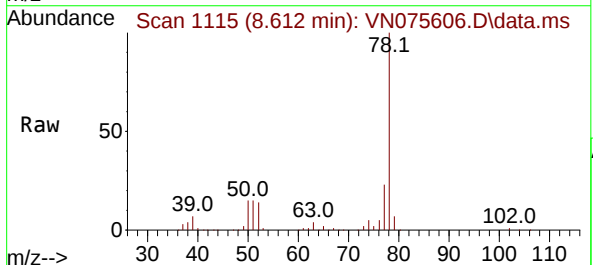
Instrument :
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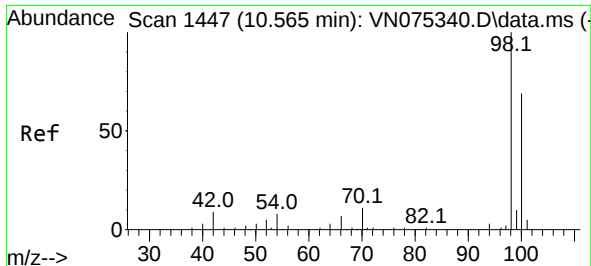
Tgt Ion:113 Resp: 66990
Ion Ratio Lower Upper
113 100
111 104.4 80.5 120.7
192 21.0 13.2 19.8#



#40
Benzene
Concen: 49.605 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion: 78 Resp: 426706
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

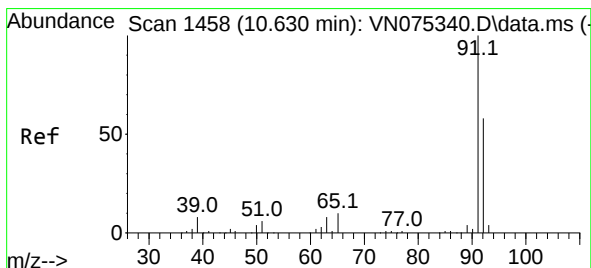
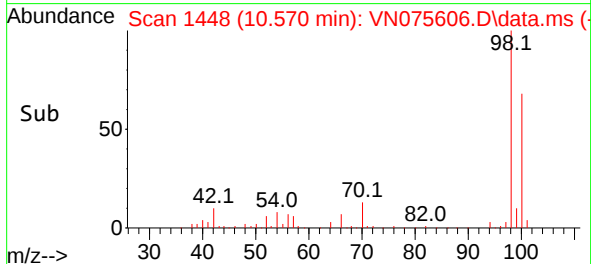
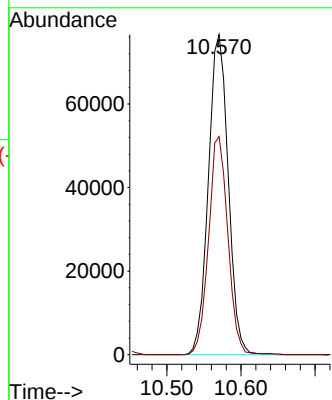
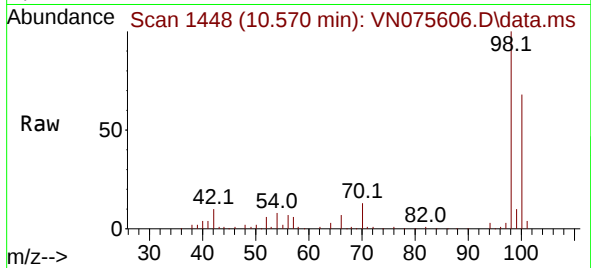




#50
Toluene-d8
Concen: 49.220 ug/l
RT: 10.570 min Scan# 1447
Delta R.T. 0.005 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

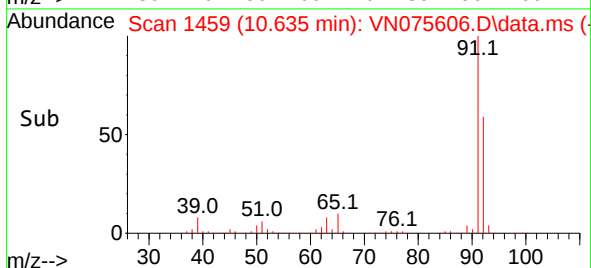
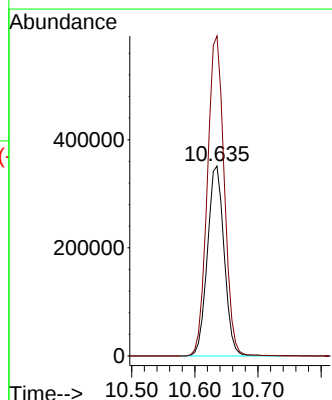
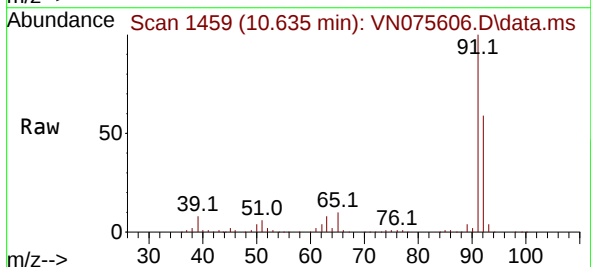
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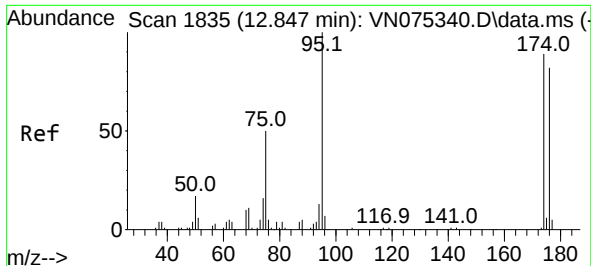
Tgt Ion: 98 Resp: 142824
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6



#52
Toluene
Concen: 116.389 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.005 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion: 92 Resp: 645184
Ion Ratio Lower Upper
92 100
91 170.3 135.4 203.2

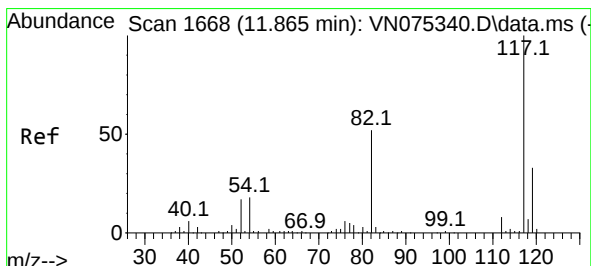
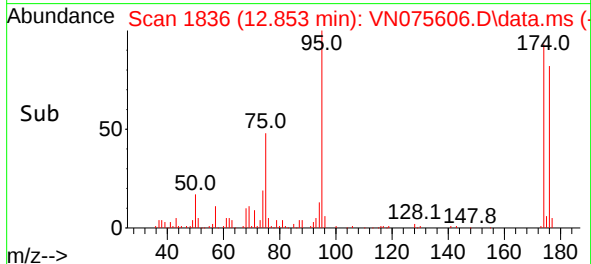
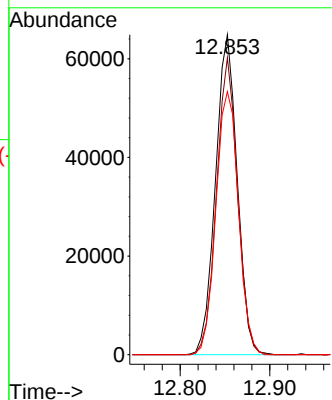
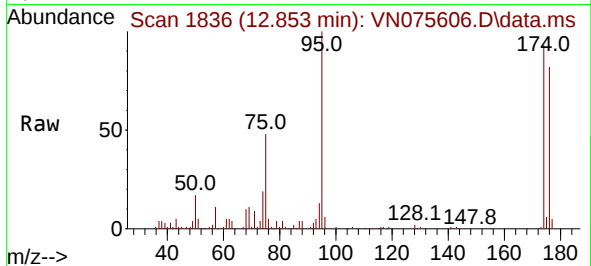




#62
4-Bromofluorobenzene
Concen: 51.011 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

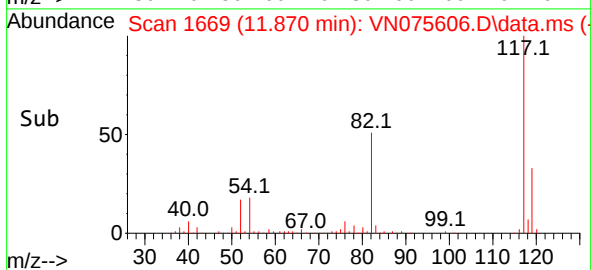
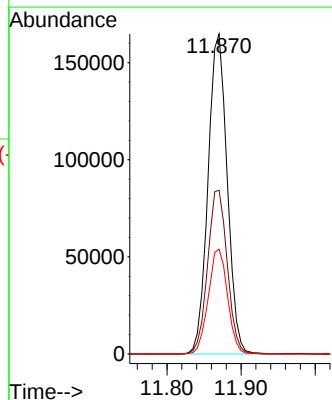
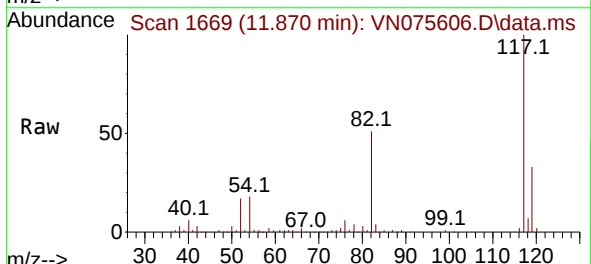
Instrument :
MSVOA_N
ClientSampleId :
HILL-12-02-SIL

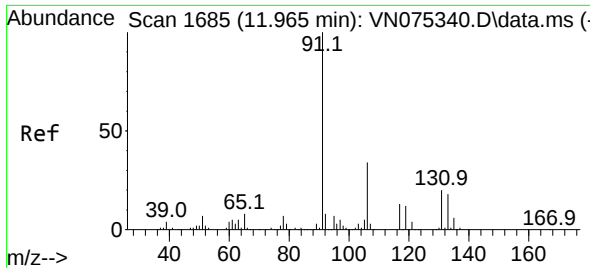
Tgt Ion: 95 Resp: 109255
Ion Ratio Lower Upper
95 100
174 89.6 0.0 147.4
176 85.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion: 117 Resp: 296363
Ion Ratio Lower Upper
117 100
82 51.2 43.1 64.7
119 32.8 25.5 38.3

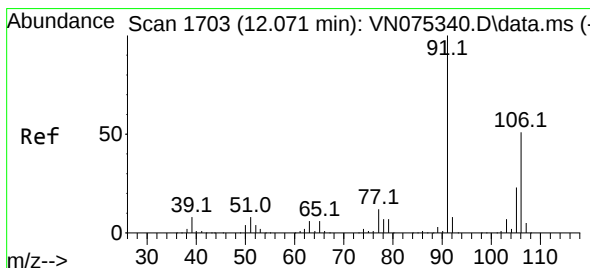
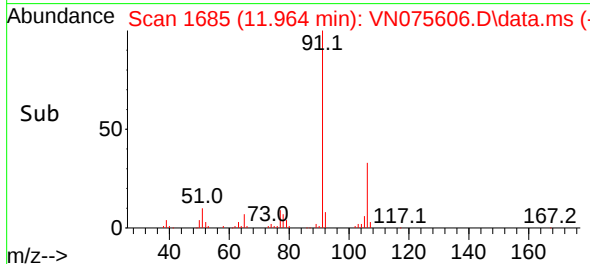
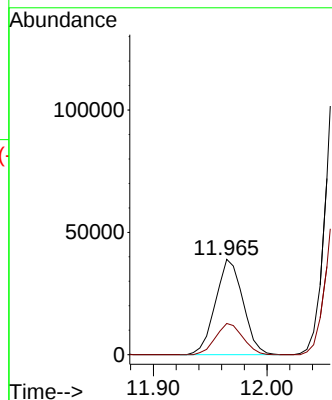
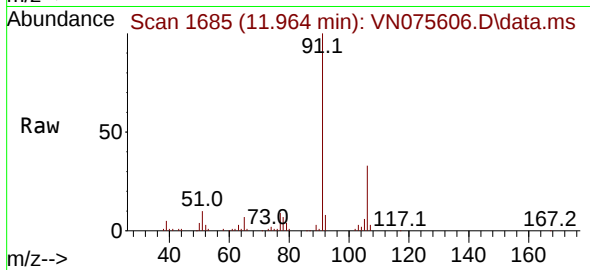




#67
Ethyl Benzene
Concen: 6.273 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

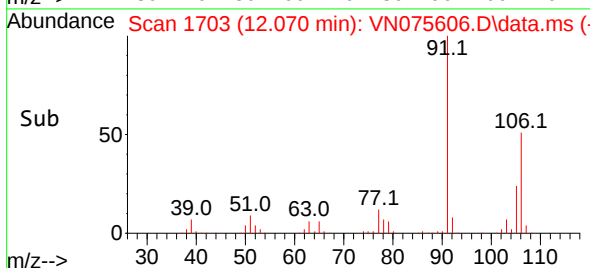
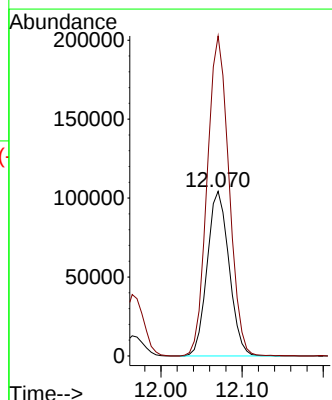
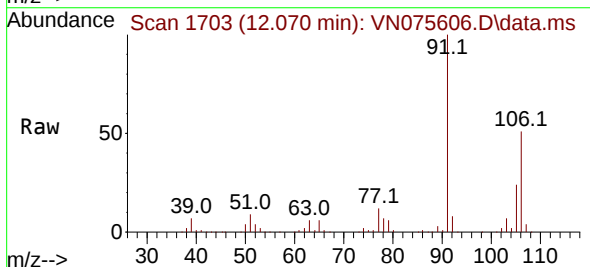
Instrument :
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ClientSampleId :
HILL-12-02-SIL

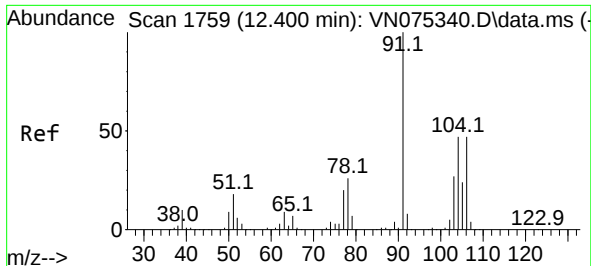
Tgt Ion: 91 Resp: 65499
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3



#68
m/p-Xylenes
Concen: 45.931 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion:106 Resp: 194762
Ion Ratio Lower Upper
106 100
91 193.9 156.0 234.0

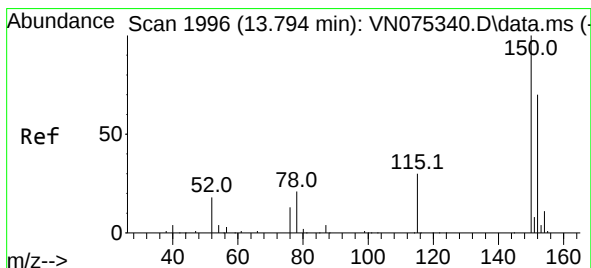
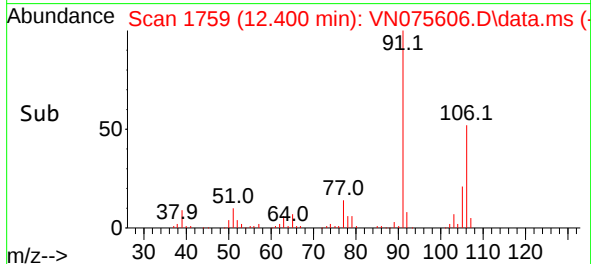
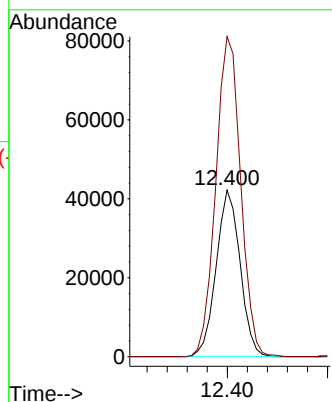
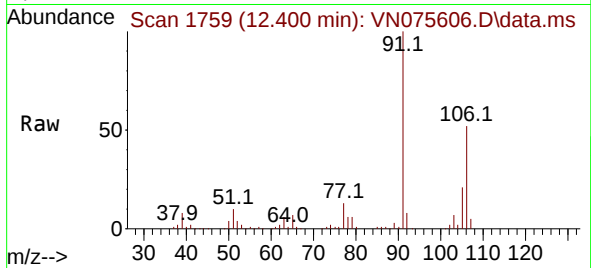




#69
o-Xylene
Concen: 16.575 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

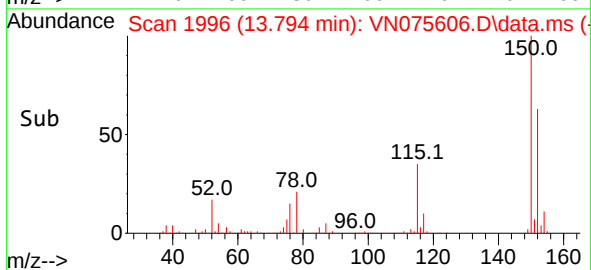
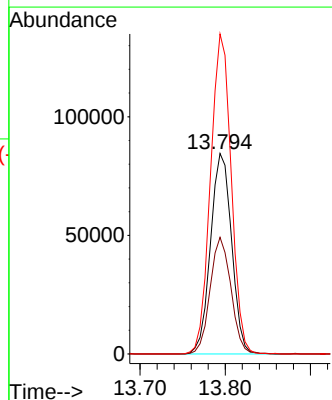
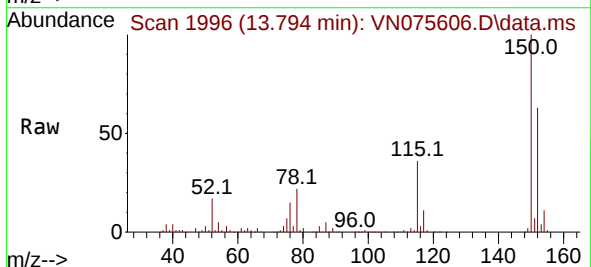
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MSVOA_N
ClientSampleId :
HILL-12-02-SIL

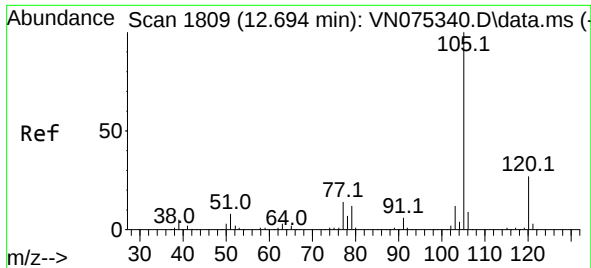
Tgt Ion:106 Resp: 69832
Ion Ratio Lower Upper
106 100
91 200.0 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion:152 Resp: 145255
Ion Ratio Lower Upper
152 100
115 57.5 30.2 90.6
150 156.5 0.0 348.4

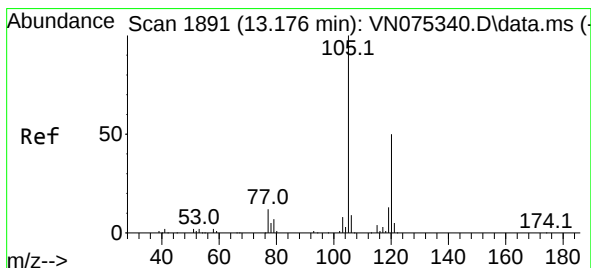
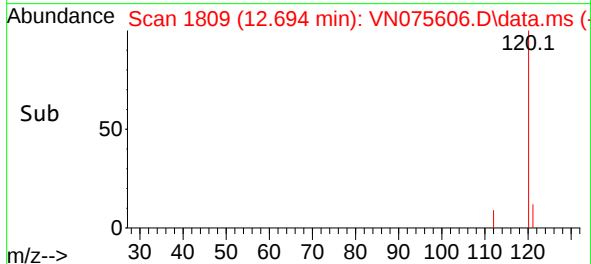
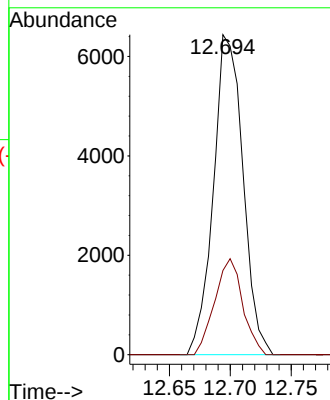
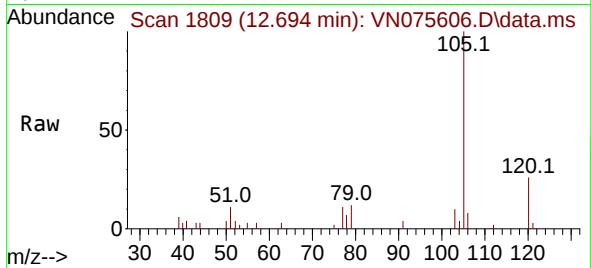




#73
Isopropylbenzene
Concen: 1.023 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.000 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

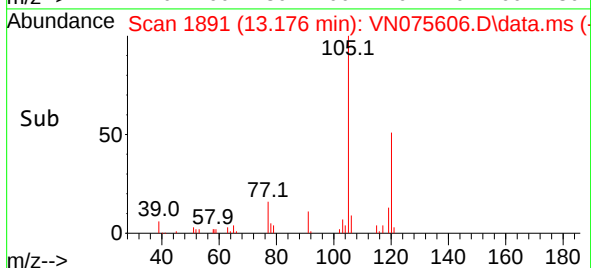
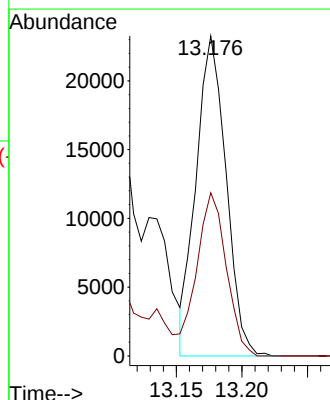
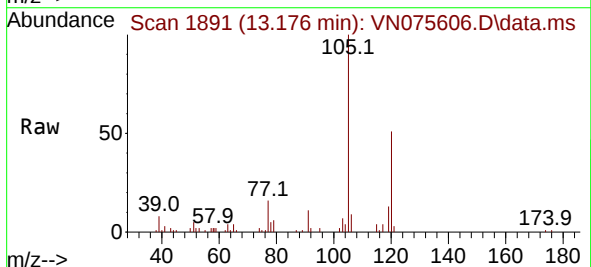
Instrument :
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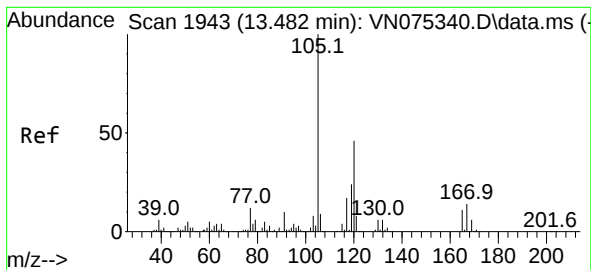
Tgt Ion:105 Resp: 10861
Ion Ratio Lower Upper
105 100
120 28.3 13.1 39.1



#80
1,3,5-Trimethylbenzene
Concen: 4.188 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075606.D
Acq: 07 Dec 2022 15:01

Tgt Ion:105 Resp: 36922
Ion Ratio Lower Upper
105 100
120 51.3 24.7 74.1





#84
 1,2,4-Trimethylbenzene
 Concen: 7.592 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.006 min
 Lab File: VN075606.D
 Acq: 07 Dec 2022 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 HILL-12-02-SIL

Tgt Ion:105 Resp: 67144
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.7 68.1

