

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
 Data File : VN076162.D
 Acq On : 09 Jan 2023 17:40
 Operator : JC\MD
 Sample : 01042-06 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HARRISONLP-SILICA

Quant Time: Jan 10 01:10:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

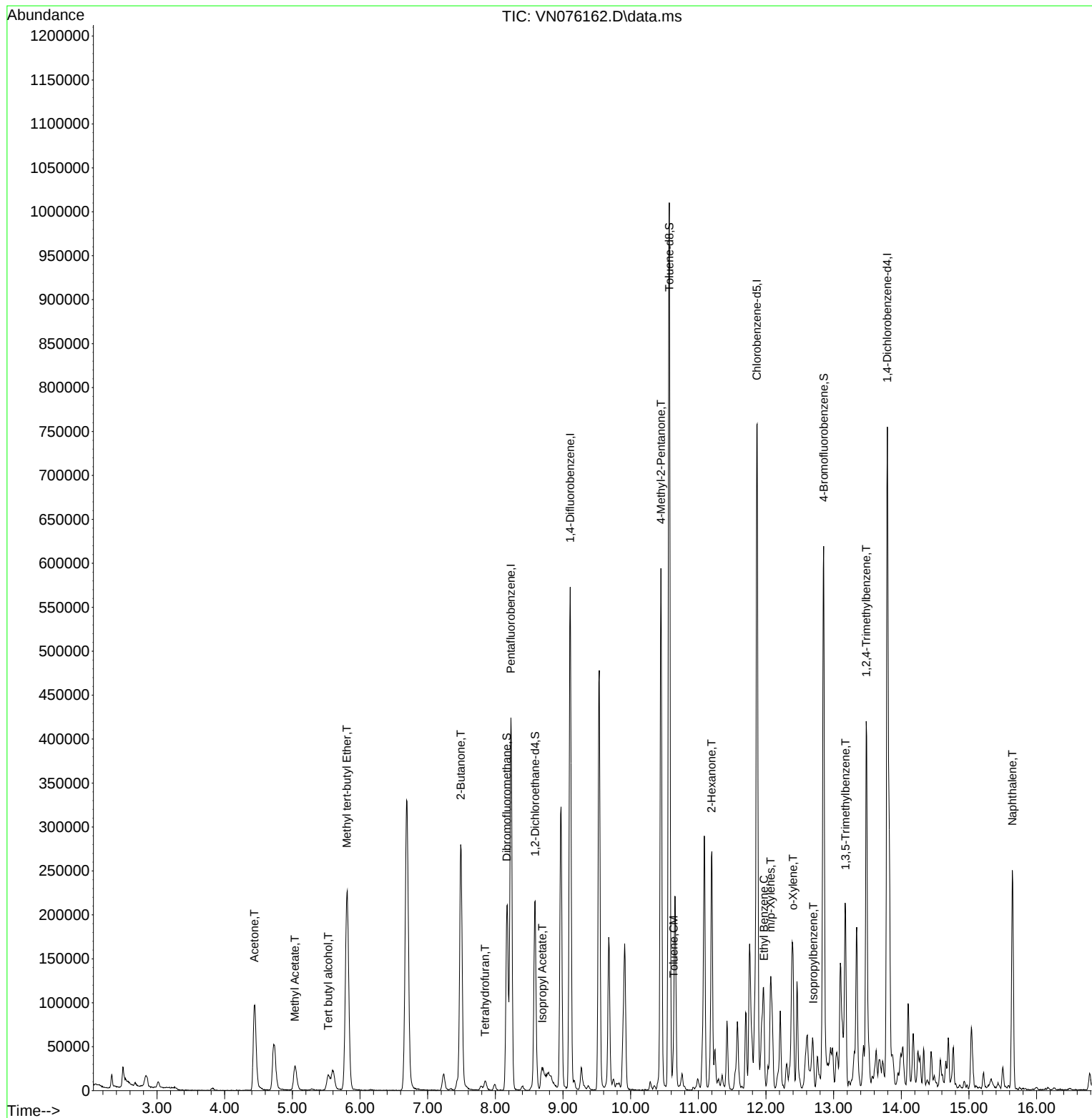
Internal Standards						
1) Pentafluorobenzene	8.229	168	322904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	522662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	463516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	170639	48.575	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.160%
35) Dibromofluoromethane	8.171	113	155206	47.951	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.900%
50) Toluene-d8	10.570	98	612590	50.619	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.853	95	200376	49.990	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	32049	64.476	ug/l	99
16) Acetone	4.436	43	190350	157.189	ug/l	92
18) Methyl Acetate	5.036	43	58395	16.314	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	401833	42.638	ug/l	97
25) 2-Butanone	7.488	43	441504	260.387	ug/l	95
29) Tetrahydrofuran	7.847	42	7839	7.377	ug/l	96
43) Isopropyl Acetate	8.694	43	33214	5.830	ug/l #	64
51) 4-Methyl-2-Pentanone	10.447	43	363624	105.538	ug/l	97
52) Toluene	10.635	92	11253	1.302	ug/l	99
59) 2-Hexanone	11.194	43	185850	73.966	ug/l	90
67) Ethyl Benzene	11.970	91	17041	1.061	ug/l	96
68) m/p-Xylenes	12.070	106	41274	6.495	ug/l	98
69) o-Xylene	12.400	106	35138	5.587	ug/l	96
73) Isopropylbenzene	12.700	105	9299	0.622	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	90068	7.198	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	238962	19.249	ug/l	98
95) Naphthalene	15.641	128	237015	22.310	ug/l	99

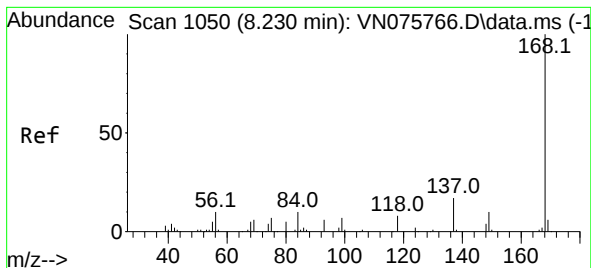
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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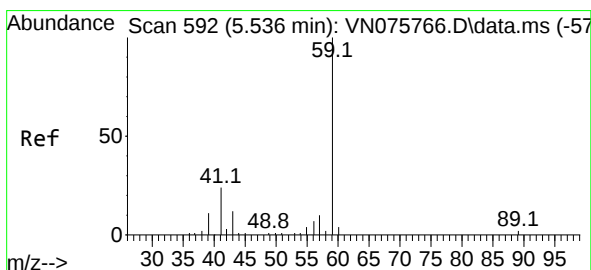
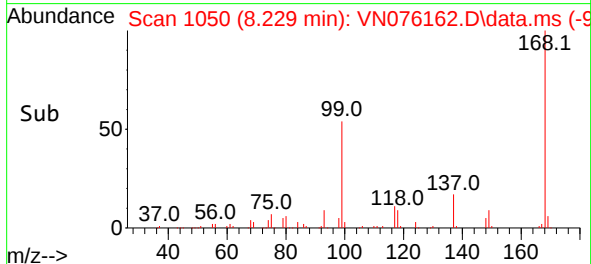
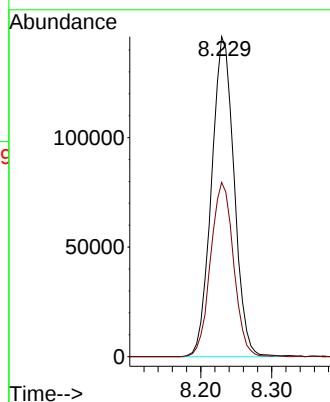
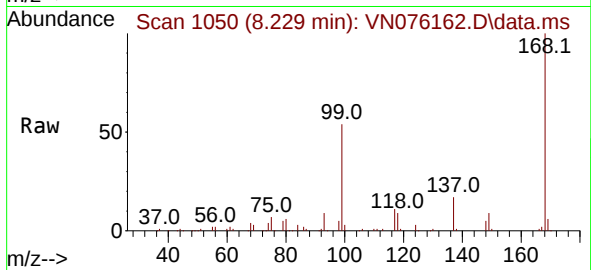




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

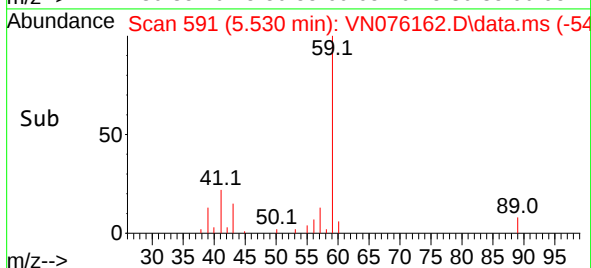
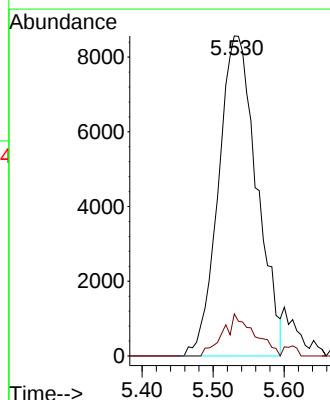
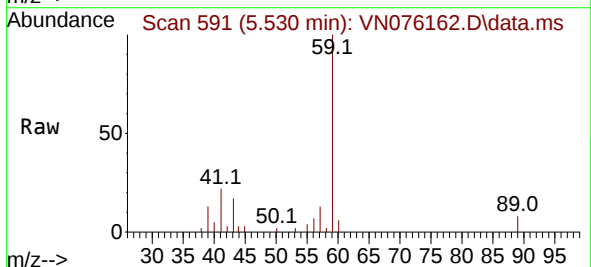
Instrument :
MSVOA_N
ClientSampleId :
HARRISONLP-SILICA

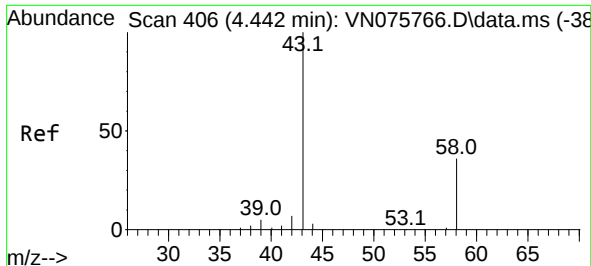
Tgt Ion:168 Resp: 322904
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 64.476 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

Tgt Ion: 59 Resp: 32049
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4





#16

Acetone

Concen: 157.189 ug/l

RT: 4.436 min Scan# 406

Delta R.T. -0.006 min

Lab File: VN076162.D

Acq: 09 Jan 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

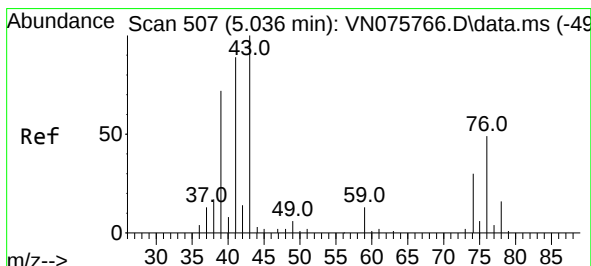
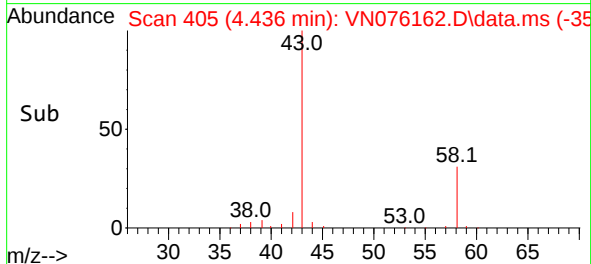
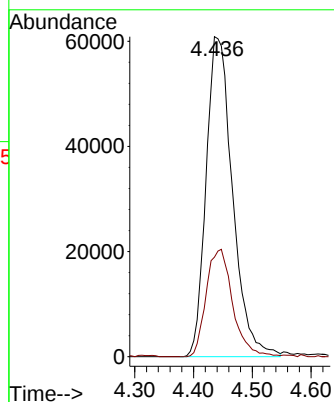
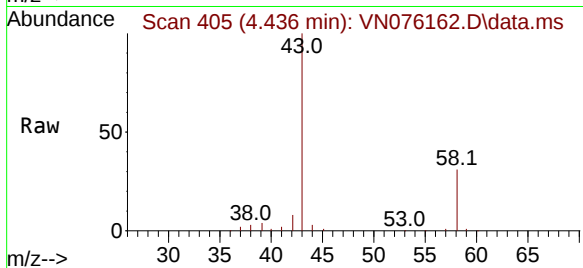
HARRISONLP-SILICA

Tgt Ion: 43 Resp: 190350

Ion Ratio Lower Upper

43 100

58 31.1 28.6 43.0



#18

Methyl Acetate

Concen: 16.314 ug/l

RT: 5.036 min Scan# 507

Delta R.T. -0.000 min

Lab File: VN076162.D

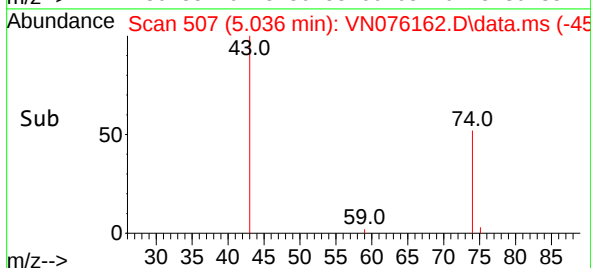
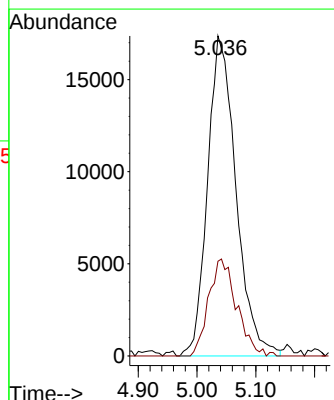
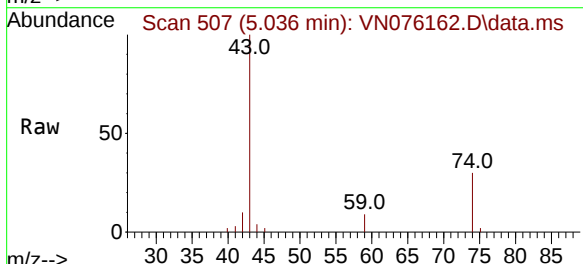
Acq: 09 Jan 2023 17:40

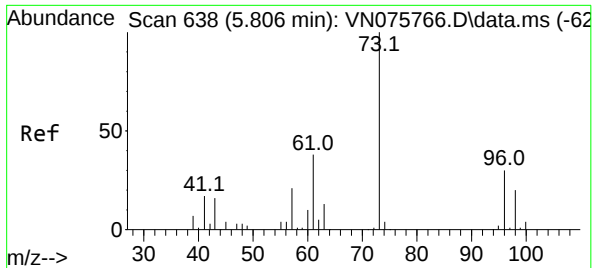
Tgt Ion: 43 Resp: 58395

Ion Ratio Lower Upper

43 100

74 29.9 23.6 35.4

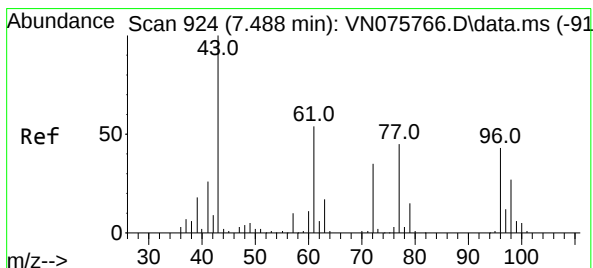
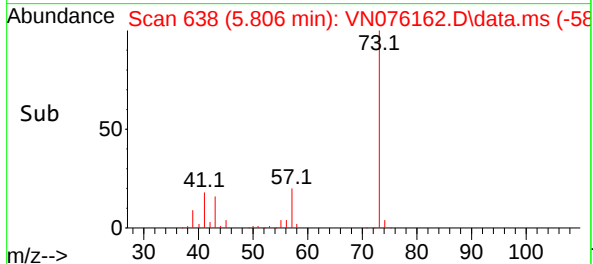
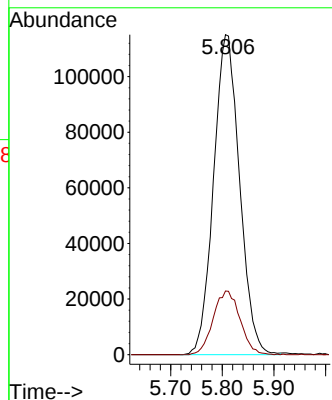
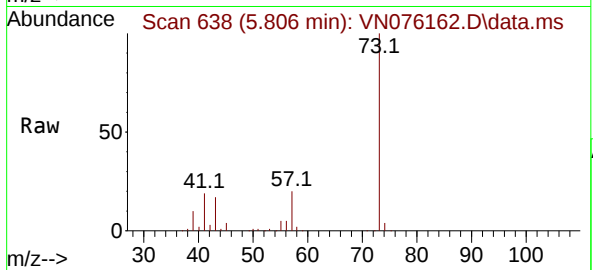




#19
Methyl tert-butyl Ether
Concen: 42.638 ug/l
RT: 5.806 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

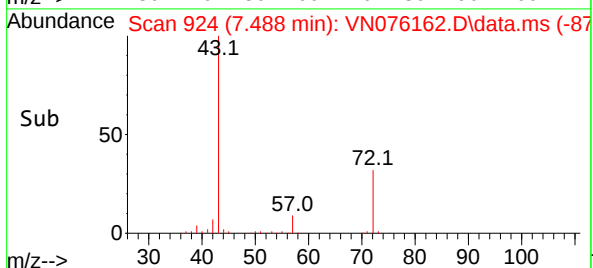
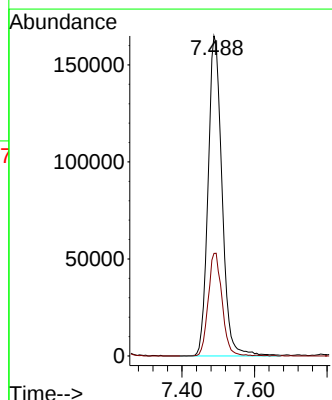
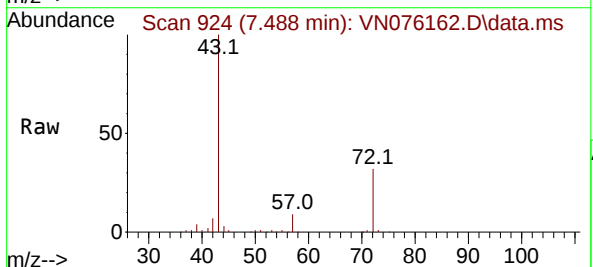
Instrument :
MSVOA_N
ClientSampleId :
HARRISONLP-SILICA

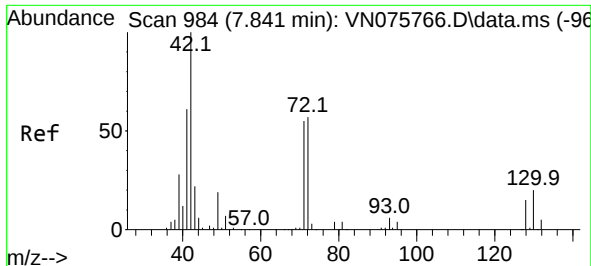
Tgt Ion: 73 Resp: 401833
Ion Ratio Lower Upper
73 100
57 19.9 17.1 25.7



#25
2-Butanone
Concen: 260.387 ug/l
RT: 7.488 min Scan# 924
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

Tgt Ion: 43 Resp: 441504
Ion Ratio Lower Upper
43 100
72 32.1 28.0 42.0





#29

Tetrahydrofuran

Concen: 7.377 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076162.D

Acq: 09 Jan 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

HARRISONLP-SILICA

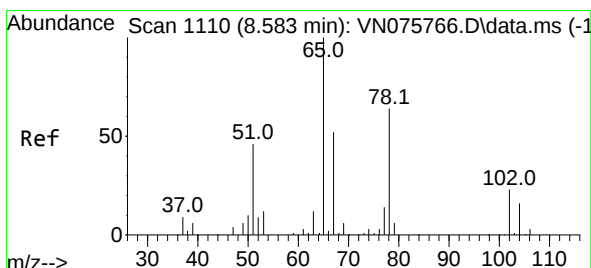
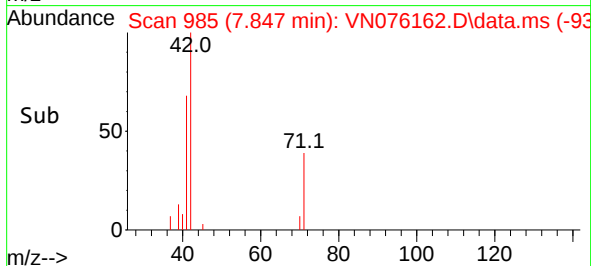
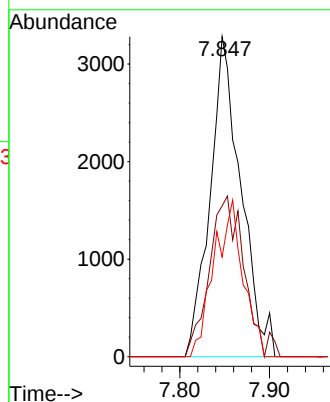
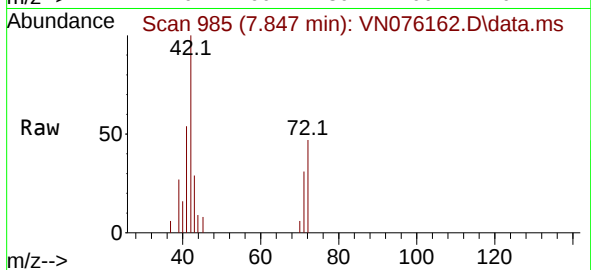
Tgt Ion: 42 Resp: 7839

Ion Ratio Lower Upper

42 100

72 54.8 44.5 66.7

71 46.1 41.0 61.6



#33

1,2-Dichloroethane-d4

Concen: 48.575 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076162.D

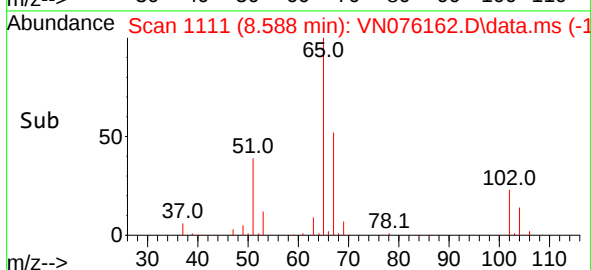
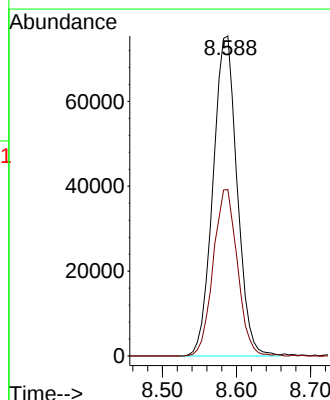
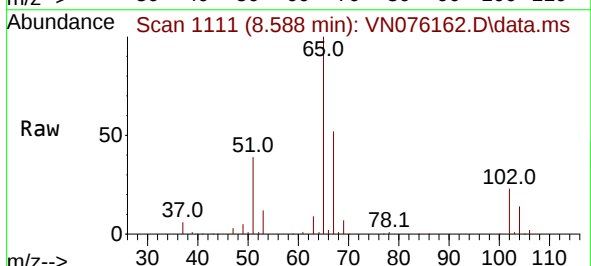
Acq: 09 Jan 2023 17:40

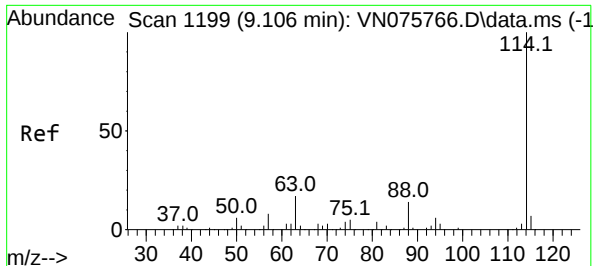
Tgt Ion: 65 Resp: 170639

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076162.D

Acq: 09 Jan 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

HARRISONLP-SILICA

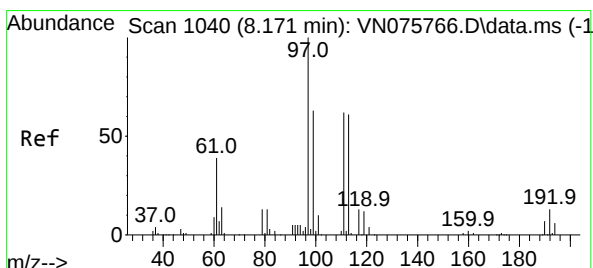
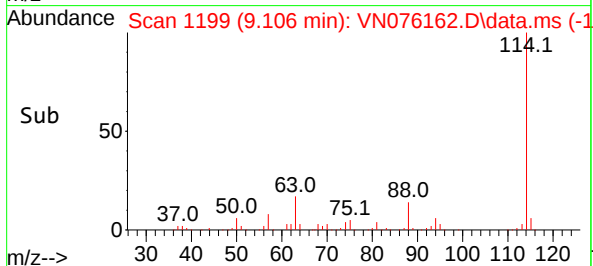
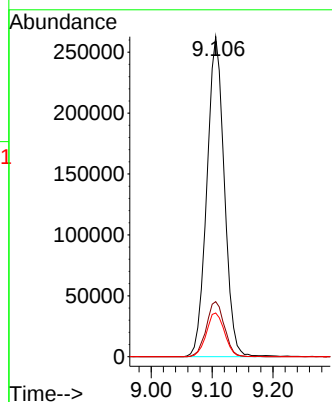
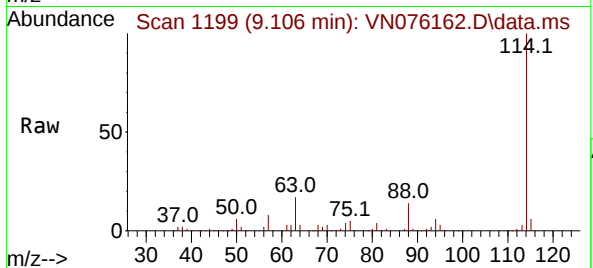
Tgt Ion:114 Resp: 522662

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 13.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.951 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076162.D

Acq: 09 Jan 2023 17:40

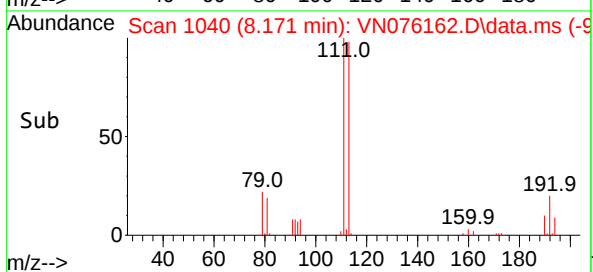
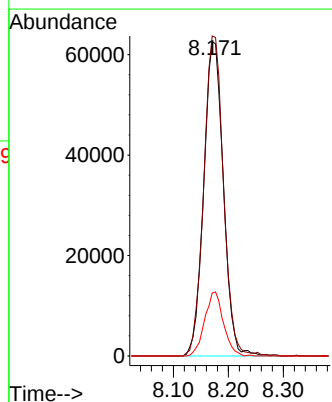
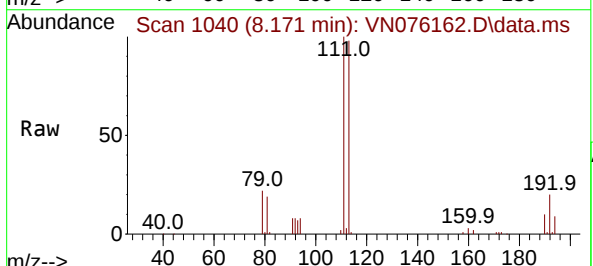
Tgt Ion:113 Resp: 155206

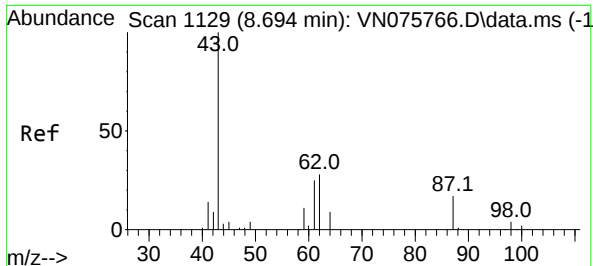
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 19.4 16.1 24.1





#43

Isopropyl Acetate

Concen: 5.830 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN076162.D

Acq: 09 Jan 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

HARRISONLP-SILICA

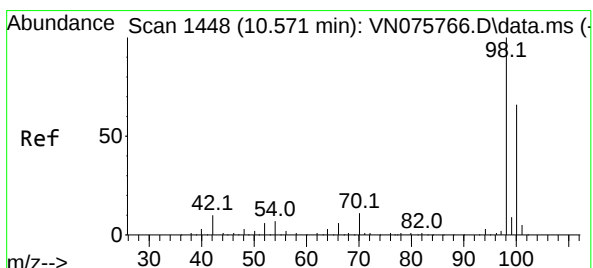
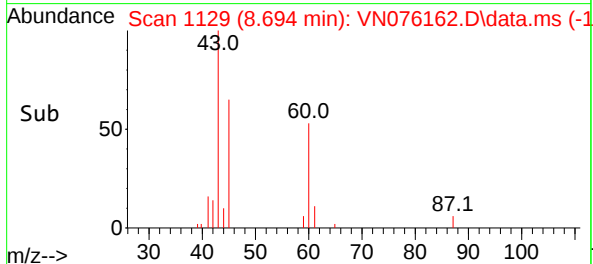
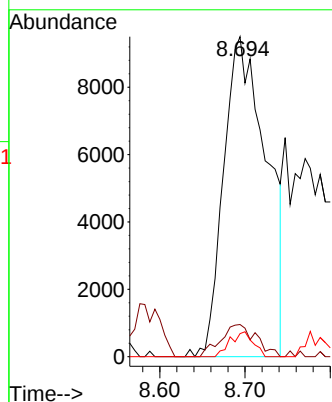
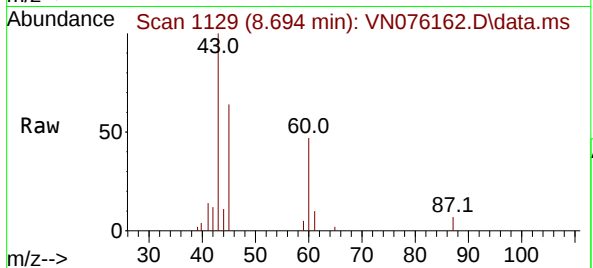
Tgt Ion: 43 Resp: 33214

Ion Ratio Lower Upper

43 100

61 8.4 24.2 36.4#

87 4.2 13.3 19.9#



#50

Toluene-d8

Concen: 50.619 ug/l

RT: 10.570 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076162.D

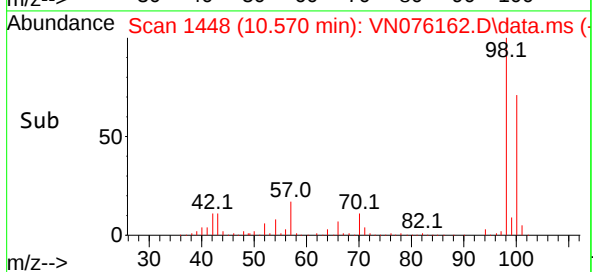
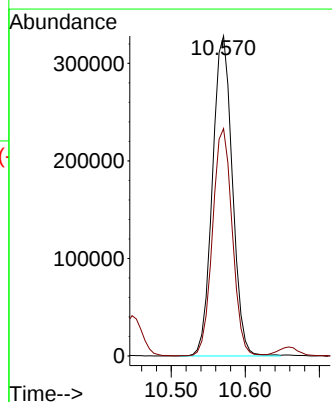
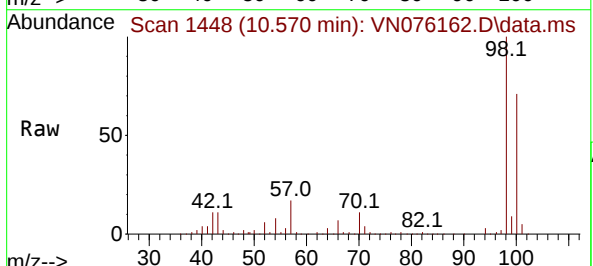
Acq: 09 Jan 2023 17:40

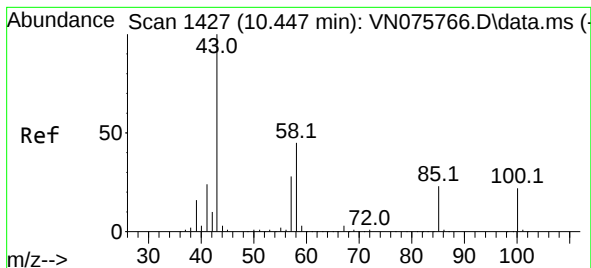
Tgt Ion: 98 Resp: 612590

Ion Ratio Lower Upper

98 100

100 70.4 52.1 78.1

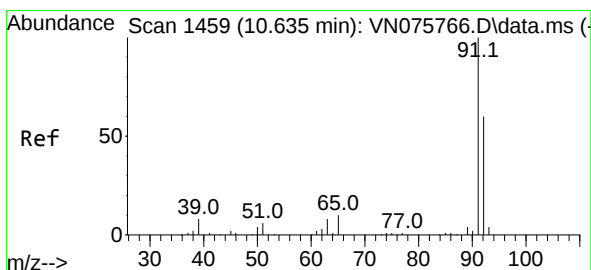
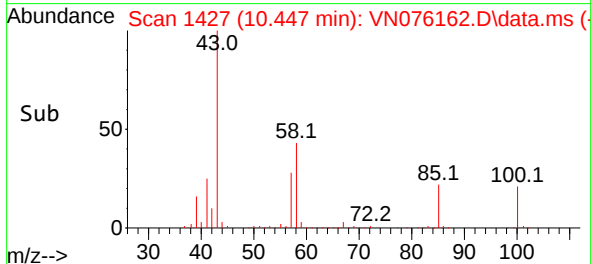
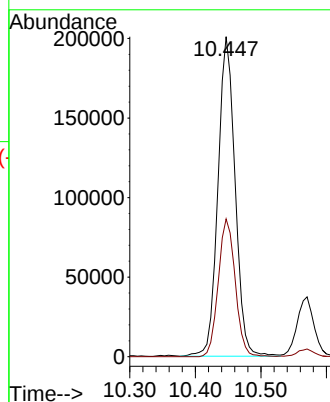
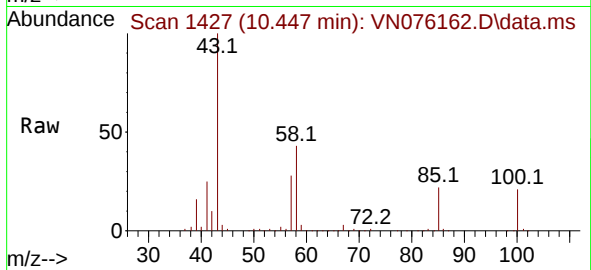




#51
4-Methyl-2-Pentanone
Concen: 105.538 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

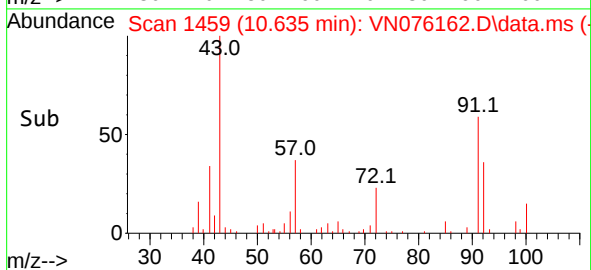
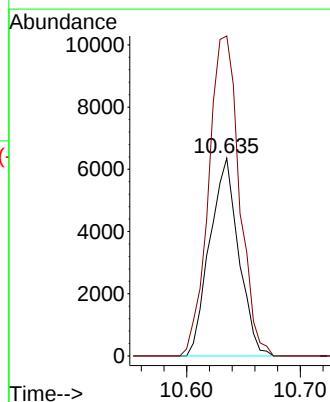
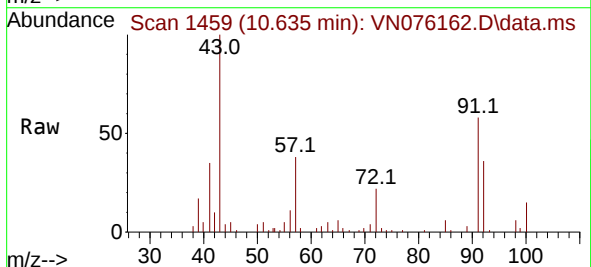
Instrument :
MSVOA_N
ClientSampleId :
HARRISONLP-SILICA

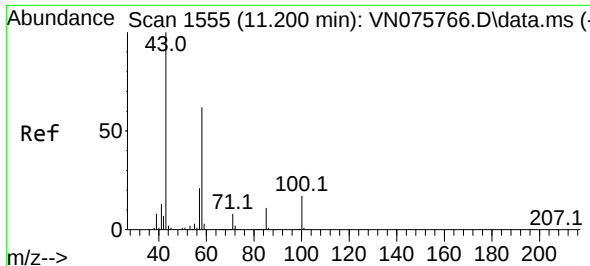
Tgt Ion: 43 Resp: 363624
Ion Ratio Lower Upper
43 100
58 42.5 35.5 53.3



#52
Toluene
Concen: 1.302 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

Tgt Ion: 92 Resp: 11253
Ion Ratio Lower Upper
92 100
91 172.4 137.3 205.9

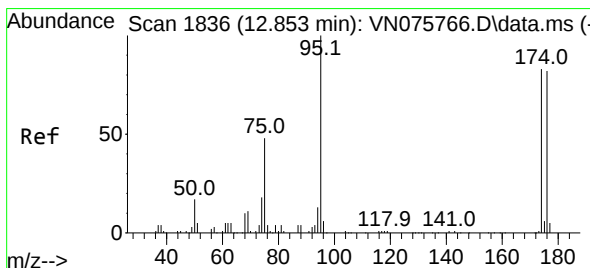
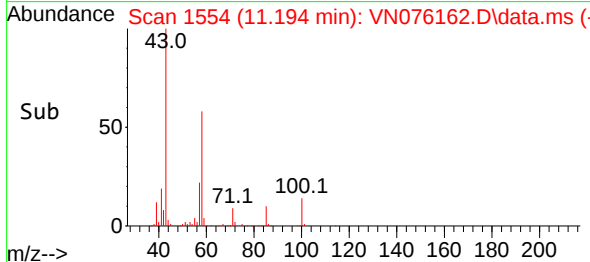
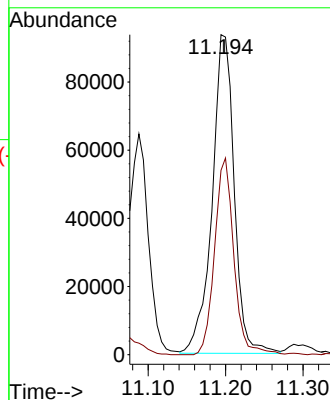
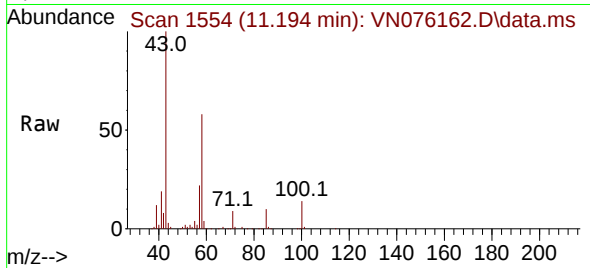




#59
2-Hexanone
Concen: 73.966 ug/l
RT: 11.194 min Scan# 1154
Delta R.T. -0.006 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

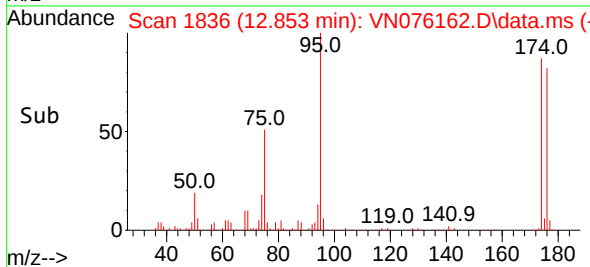
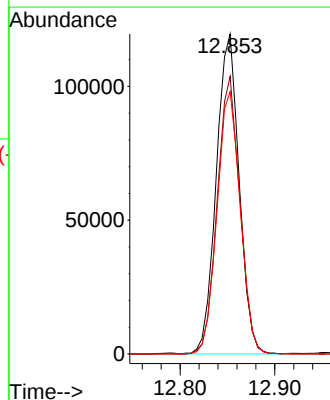
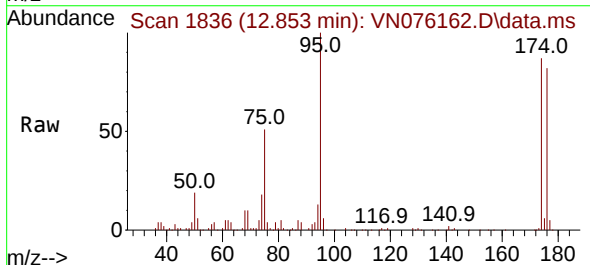
Instrument :
MSVOA_N
ClientSampleId :
HARRISONLP-SILICA

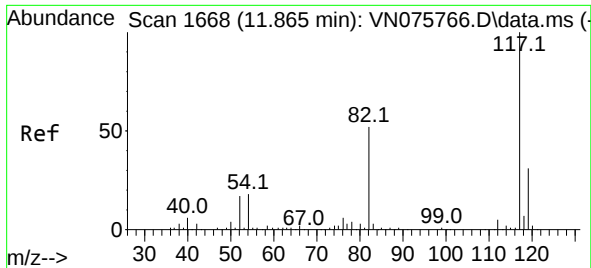
Tgt Ion: 43 Resp: 185850
Ion Ratio Lower Upper
43 100
58 53.8 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 49.990 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

Tgt Ion: 95 Resp: 200376
Ion Ratio Lower Upper
95 100
174 86.0 0.0 171.6
176 83.2 0.0 169.2

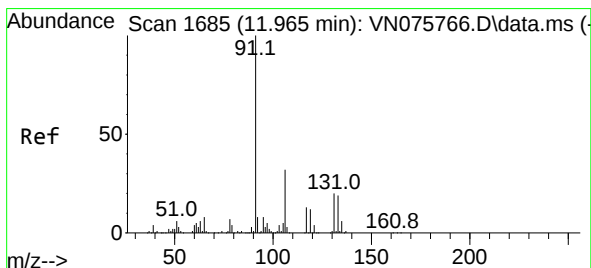
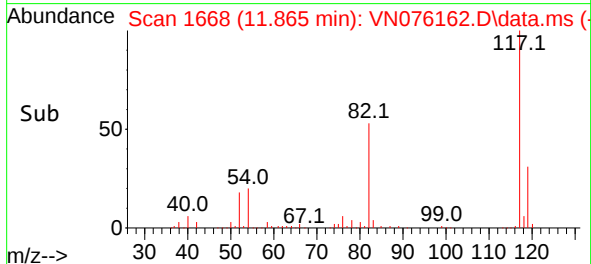
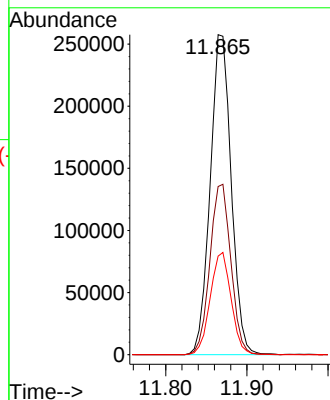
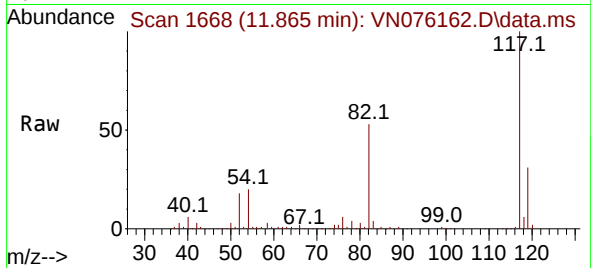




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

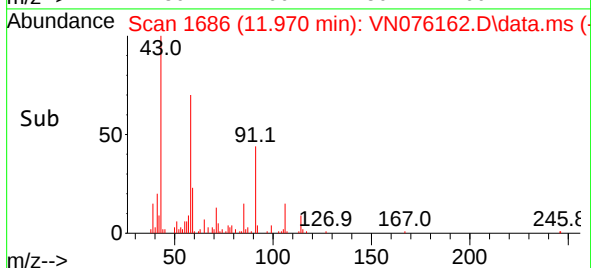
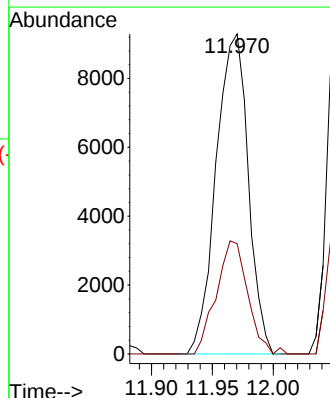
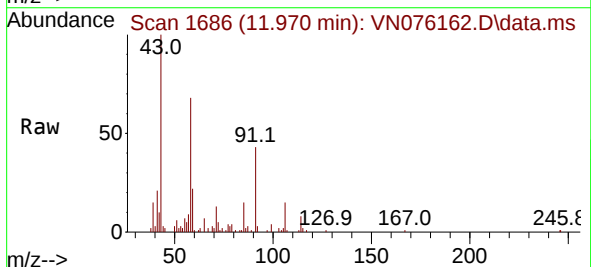
Instrument :
MSVOA_N
ClientSampleId :
HARRISONLP-SILICA

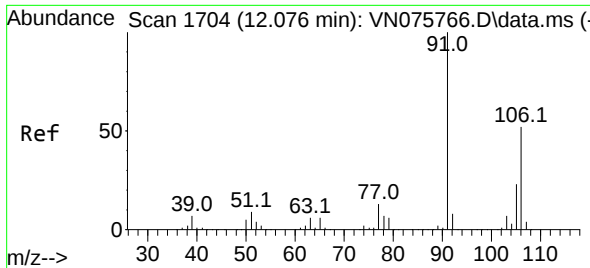
Tgt Ion:117 Resp: 463516
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 30.8 24.6 37.0



#67
Ethyl Benzene
Concen: 1.061 ug/l
RT: 11.970 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

Tgt Ion: 91 Resp: 17041
Ion Ratio Lower Upper
91 100
106 34.5 25.7 38.5

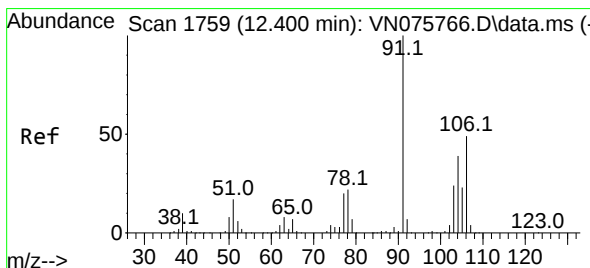
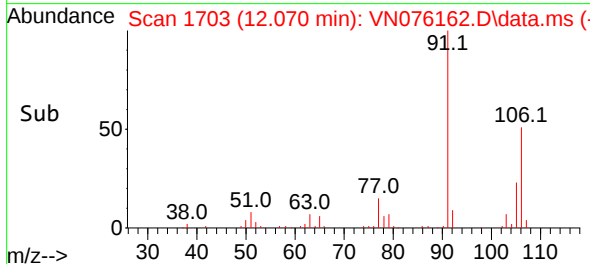
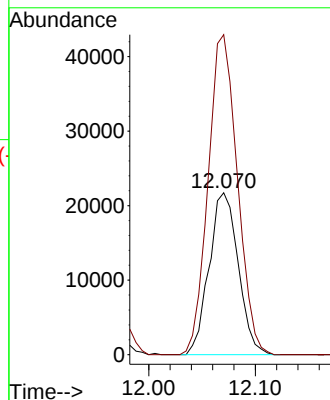
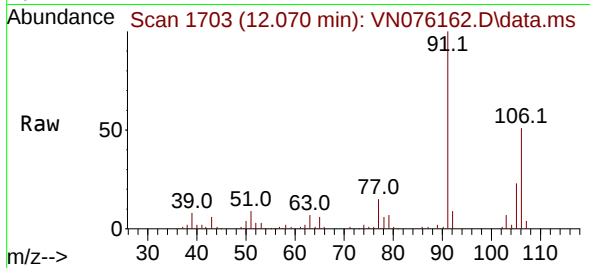




#68
m/p-Xylenes
Concen: 6.495 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

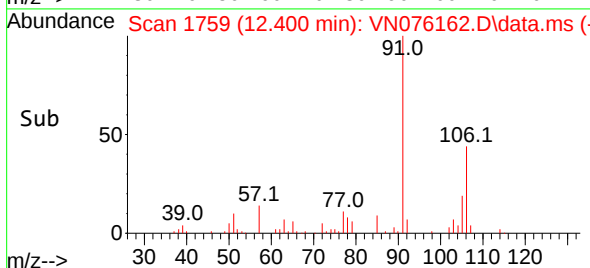
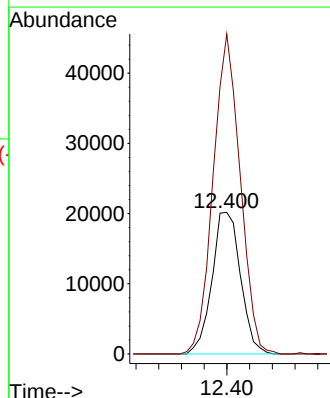
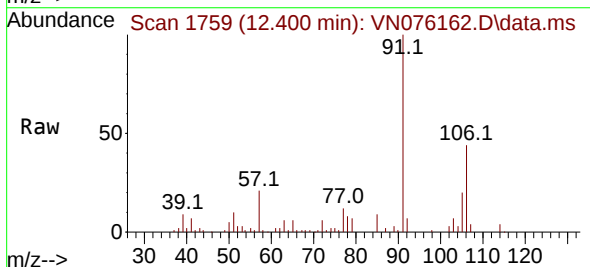
Instrument :
MSVOA_N
ClientSampleId :
HARRISONLP-SILICA

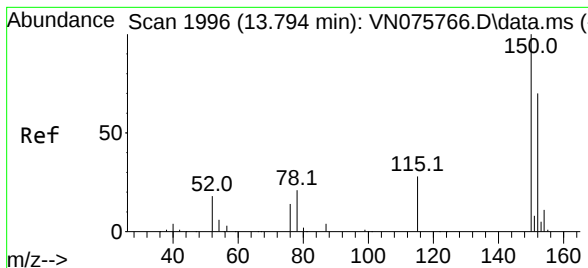
Tgt Ion:106 Resp: 41274
Ion Ratio Lower Upper
106 100
91 198.9 156.6 235.0



#69
o-Xylene
Concen: 5.587 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

Tgt Ion:106 Resp: 35138
Ion Ratio Lower Upper
106 100
91 214.4 103.8 311.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076162.D

Acq: 09 Jan 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

HARRISONLP-SILICA

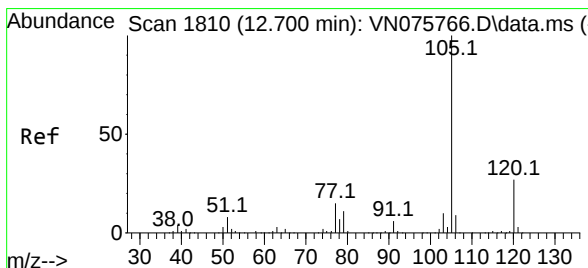
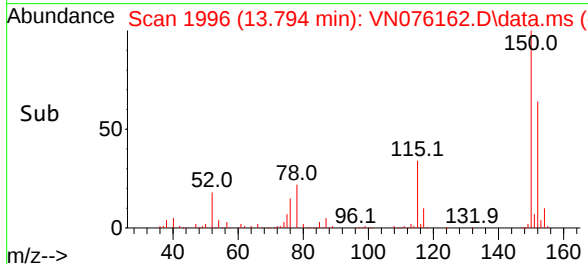
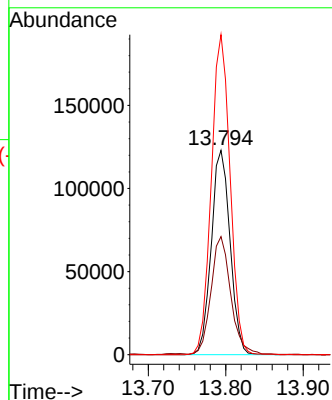
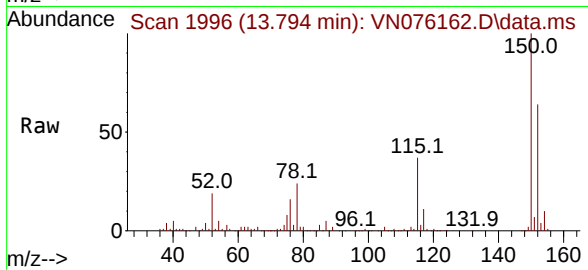
Tgt Ion:152 Resp: 206901

Ion Ratio Lower Upper

152 100

115 60.5 29.1 87.4

150 156.7 0.0 347.0



#73

Isopropylbenzene

Concen: 0.622 ug/l

RT: 12.700 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VN076162.D

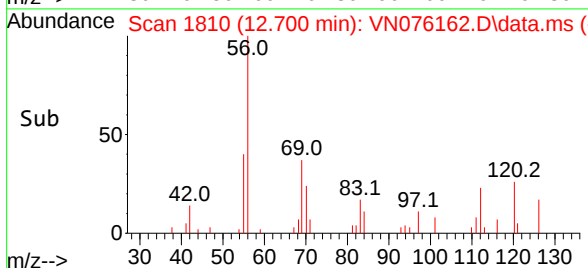
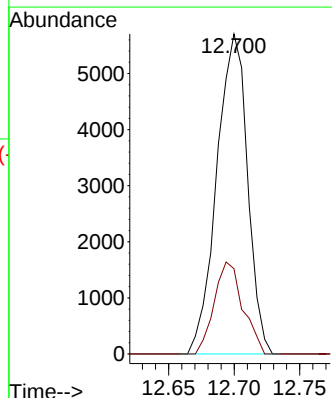
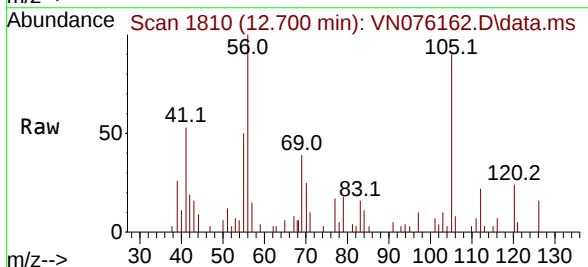
Acq: 09 Jan 2023 17:40

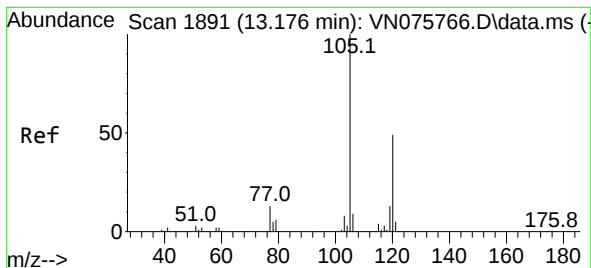
Tgt Ion:105 Resp: 9299

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2





#80

1,3,5-Trimethylbenzene

Concen: 7.198 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. -0.000 min

Lab File: VN076162.D

Acq: 09 Jan 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

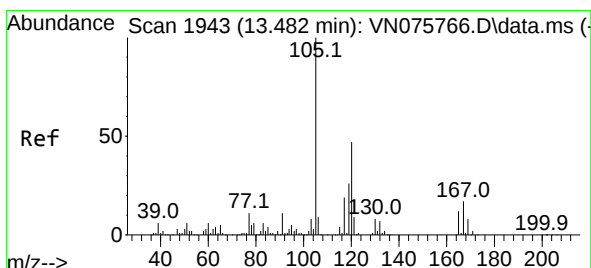
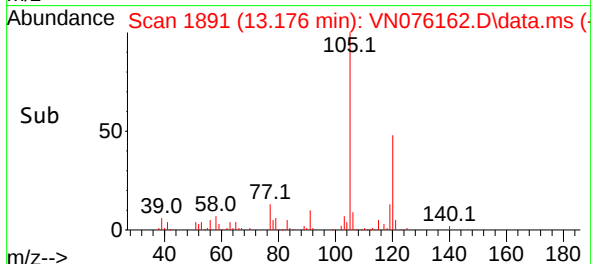
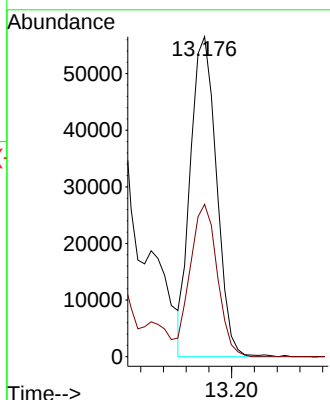
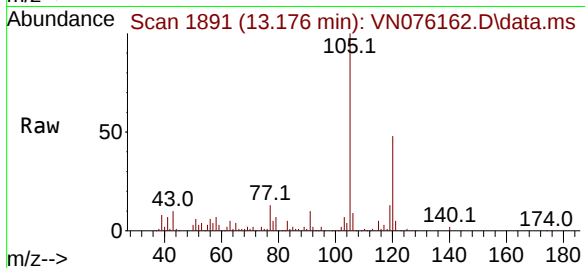
HARRISONLP-SILICA

Tgt Ion:105 Resp: 90068

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1



#84

1,2,4-Trimethylbenzene

Concen: 19.249 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. -0.000 min

Lab File: VN076162.D

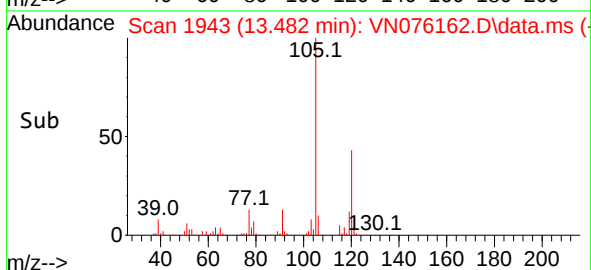
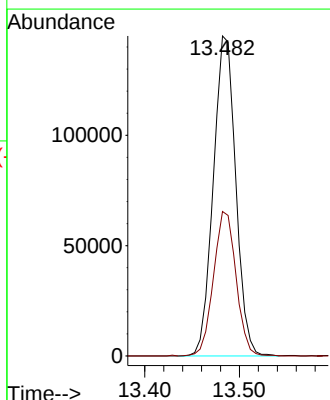
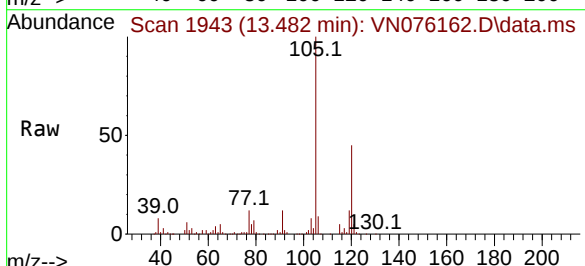
Acq: 09 Jan 2023 17:40

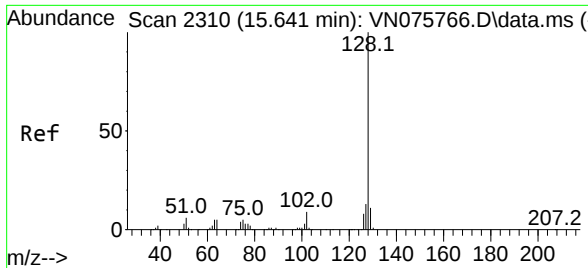
Tgt Ion:105 Resp: 238962

Ion Ratio Lower Upper

105 100

120 45.4 23.3 69.8





#95
Naphthalene
Concen: 22.310 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076162.D
Acq: 09 Jan 2023 17:40

Instrument :
MSVOA_N
ClientSampleId :
HARRISONLP-SILICA

Tgt Ion:	128	Resp:	237015
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.3	8.7	13.1

