

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076946.D
 Acq On : 11 Mar 2023 00:04
 Operator : JC\MD
 Sample : 01854-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33952

Quant Time: Mar 13 01:28:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

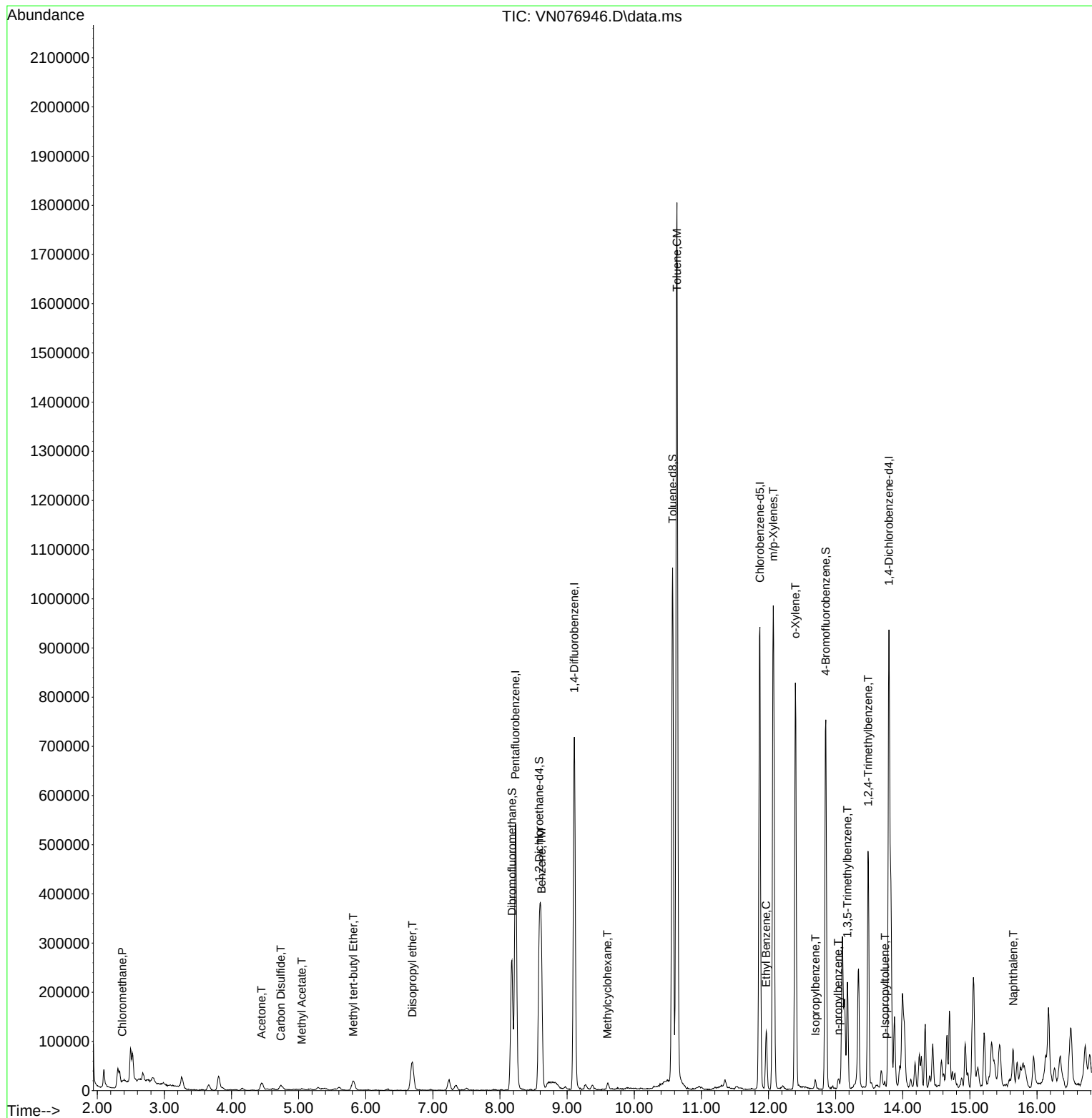
Internal Standards						
1) Pentafluorobenzene	8.230	168	375786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	611659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	538634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	238848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	267477	47.698	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.400%
35) Dibromofluoromethane	8.178	113	191995	47.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.200%
50) Toluene-d8	10.572	98	728160	48.467	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.940%
62) 4-Bromofluorobenzene	12.854	95	274833	50.013	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	896	0.245	ug/l	94
16) Acetone	4.448	43	30109	15.495	ug/l #	88
17) Carbon Disulfide	4.737	76	19013	1.652	ug/l	99
18) Methyl Acetate	5.048	43	3665	0.511	ug/l #	68
19) Methyl tert-butyl Ether	5.813	73	29430	1.993	ug/l #	89
22) Diisopropyl ether	6.695	45	7129	0.541	ug/l #	61
39) Methylcyclohexane	9.601	83	5877	0.768	ug/l #	76
40) Benzene	8.619	78	303269	16.319	ug/l	99
52) Toluene	10.636	92	804565	70.343	ug/l	100
67) Ethyl Benzene	11.966	91	86640	3.911	ug/l	94
68) m/p-Xylenes	12.071	106	311627	37.424	ug/l	84
69) o-Xylene	12.401	106	220644	27.294	ug/l	81
73) Isopropylbenzene	12.701	105	12461	0.585	ug/l	98
78) n-propylbenzene	13.036	91	14836	0.626	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	119064	6.567	ug/l	92
84) 1,2,4-Trimethylbenzene	13.483	105	280887	15.486	ug/l	92
86) p-Isopropyltoluene	13.736	119	5305	0.311	ug/l	91
95) Naphthalene	15.648	128	60234	4.178	ug/l	98

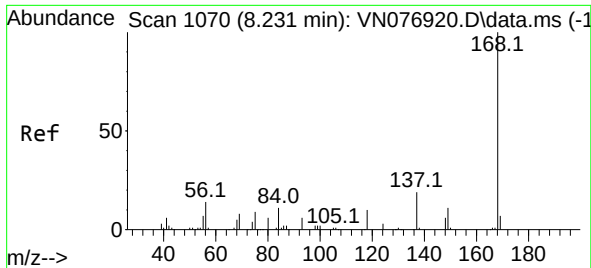
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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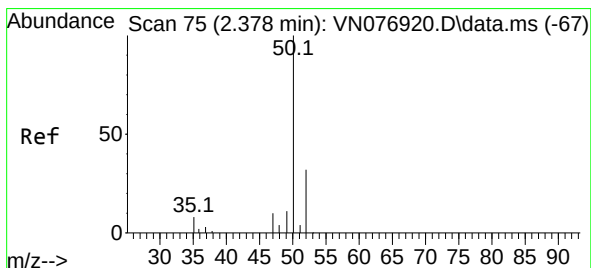
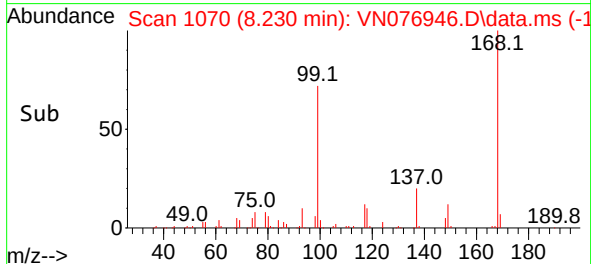
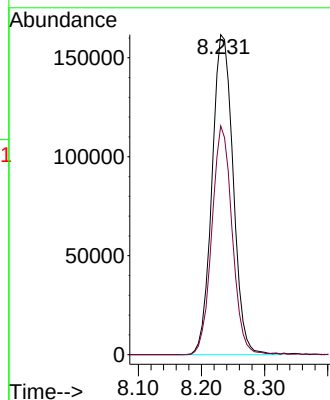
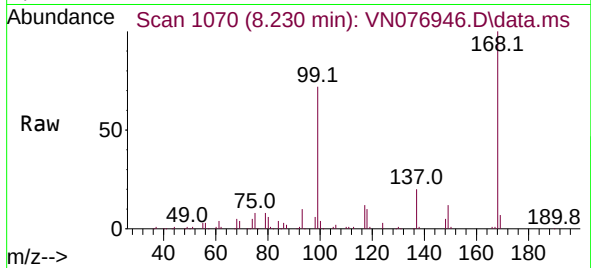




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

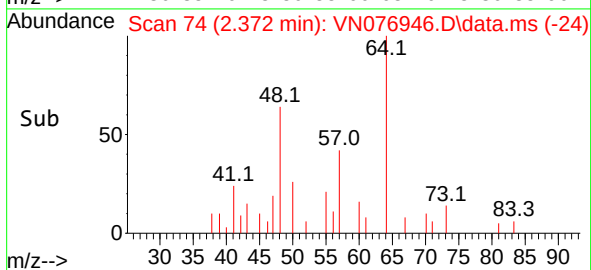
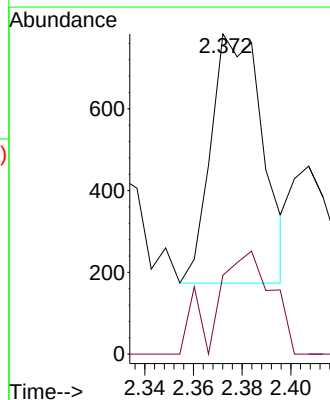
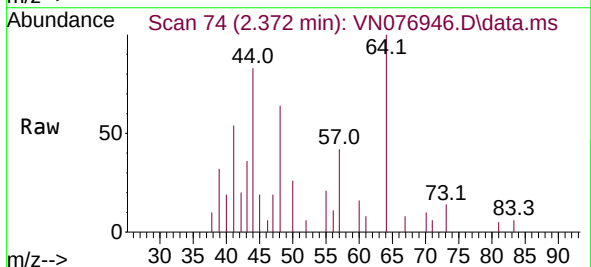
Instrument :
MSVOA_N
ClientSampleId :
33952

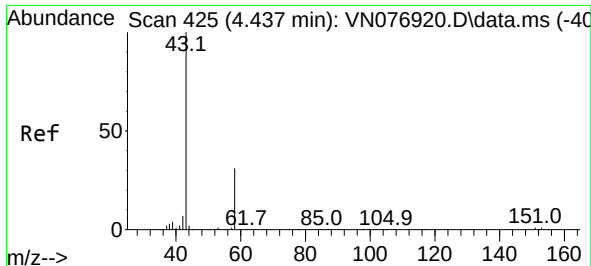
Tgt Ion:168 Resp: 375786
Ion Ratio Lower Upper
168 100
99 71.5 48.6 73.0



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 50 Resp: 896
Ion Ratio Lower Upper
50 100
52 31.7 27.9 41.9

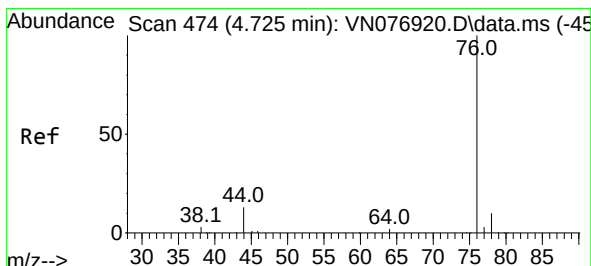
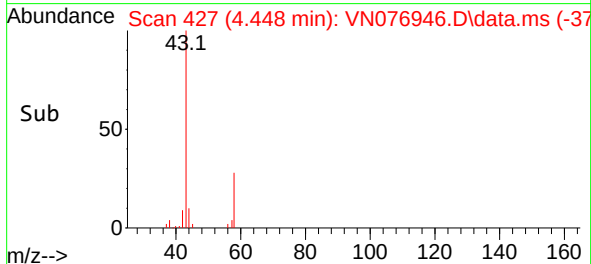
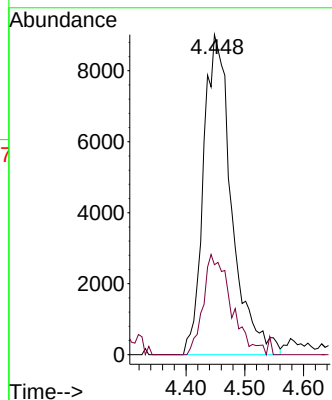
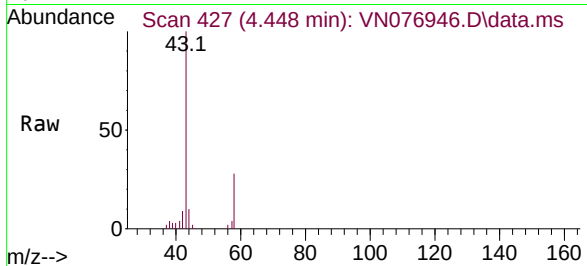




#16
Acetone
Concen: 15.495 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

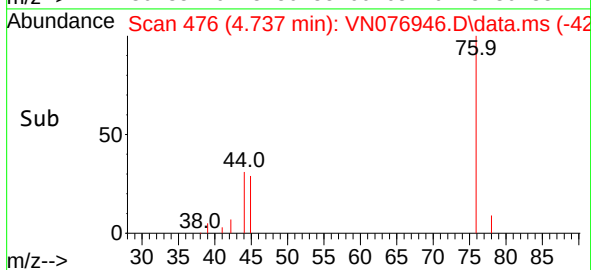
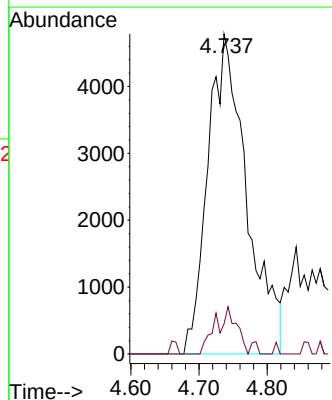
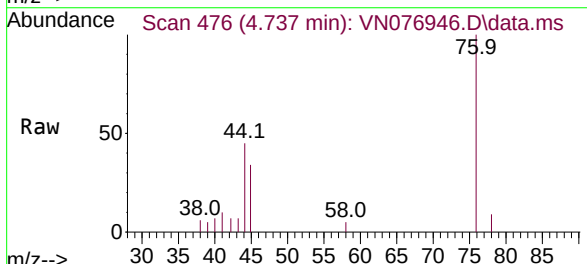
Instrument :
MSVOA_N
ClientSampleId :
33952

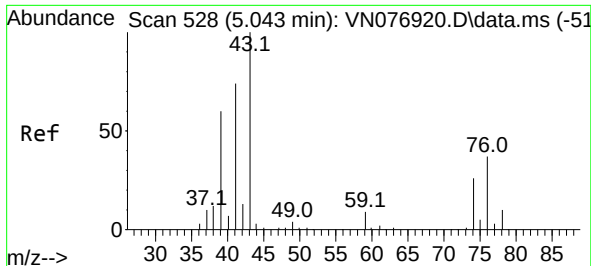
Tgt Ion: 43 Resp: 30109
Ion Ratio Lower Upper
43 100
58 28.1 28.2 42.2#



#17
Carbon Disulfide
Concen: 1.652 ug/l
RT: 4.737 min Scan# 476
Delta R.T. 0.012 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 76 Resp: 19013
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.8

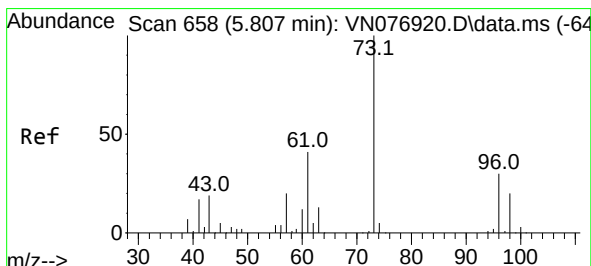
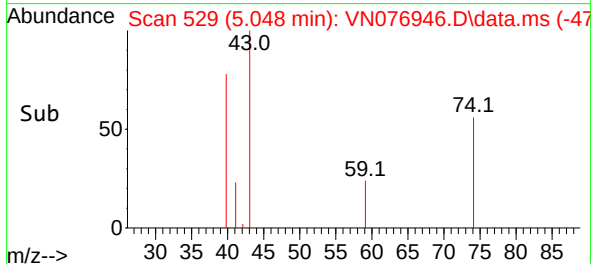
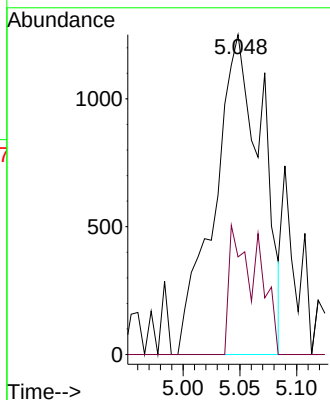
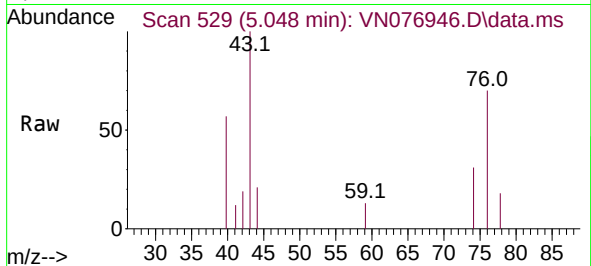




#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

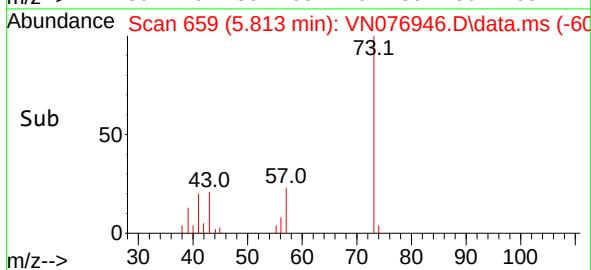
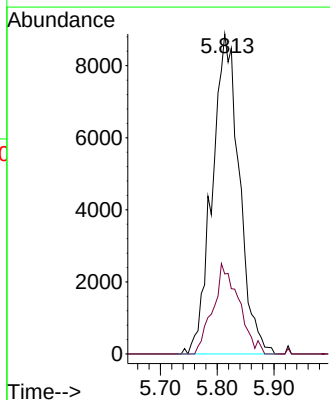
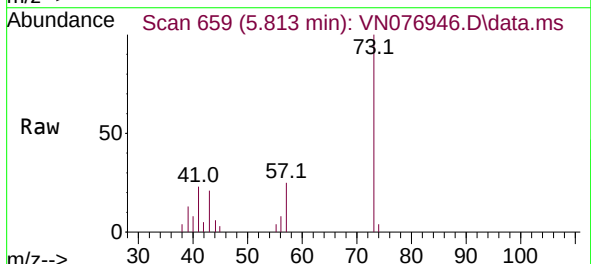
Instrument :
MSVOA_N
ClientSampleId :
33952

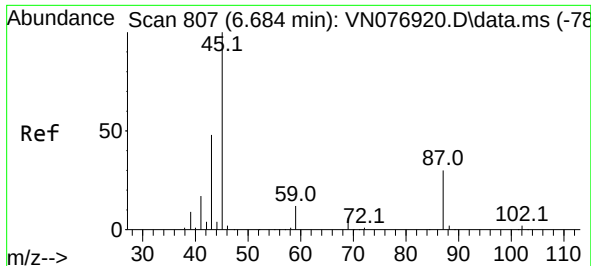
Tgt Ion: 43 Resp: 3665
Ion Ratio Lower Upper
43 100
74 14.4 25.9 38.9#



#19
Methyl tert-butyl Ether
Concen: 1.993 ug/l
RT: 5.813 min Scan# 659
Delta R.T. 0.006 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 73 Resp: 29430
Ion Ratio Lower Upper
73 100
57 25.0 16.1 24.1#

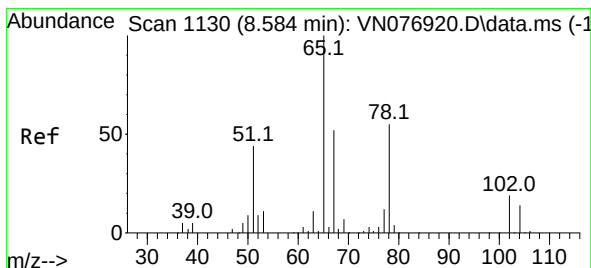
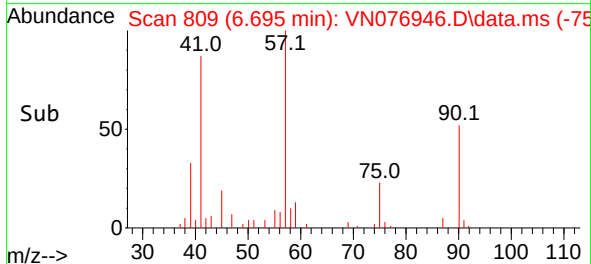
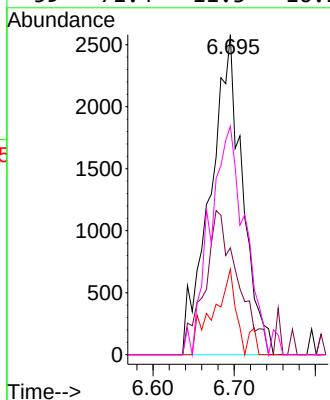
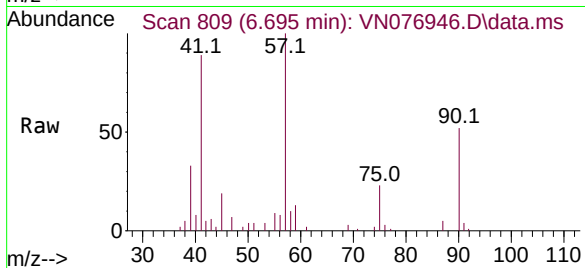




#22
Diisopropyl ether
Concen: 0.541 ug/l
RT: 6.695 min Scan# 809
Delta R.T. 0.012 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

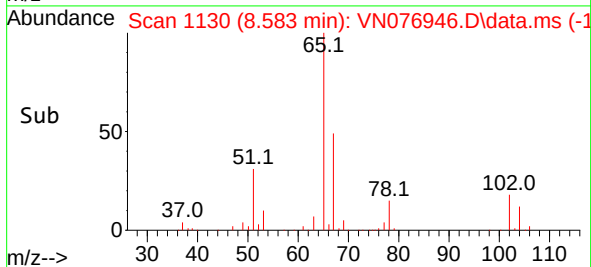
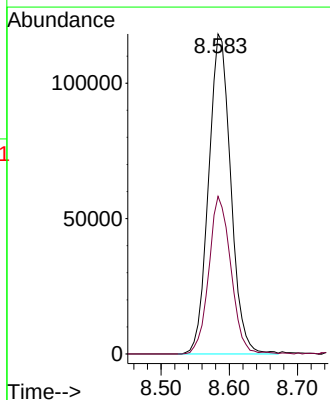
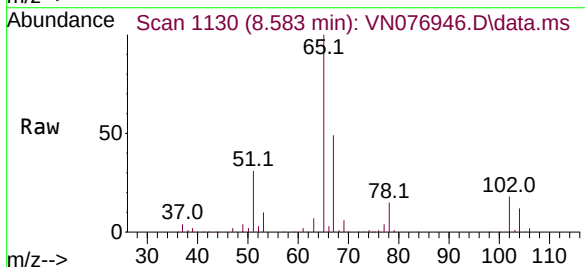
Instrument :
MSVOA_N
ClientSampleId :
33952

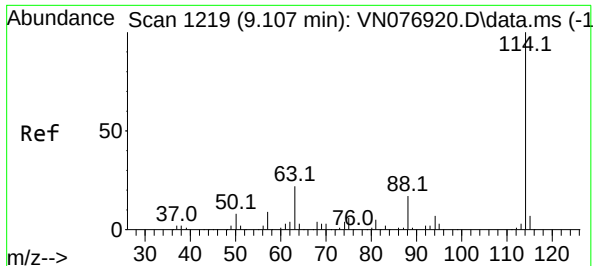
Tgt Ion: 45	Resp: 7129
Ion Ratio	Lower Upper
45 100	
43 33.4	42.6 63.8#
87 26.7	29.7 44.5#
59 71.4	11.3 16.9#



#33
1,2-Dichloroethane-d4
Concen: 47.698 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 65	Resp: 267477
Ion Ratio	Lower Upper
65 100	
67 49.0	0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076946.D

Acq: 11 Mar 2023 00:04

Instrument :

MSVOA_N

ClientSampleId :

33952

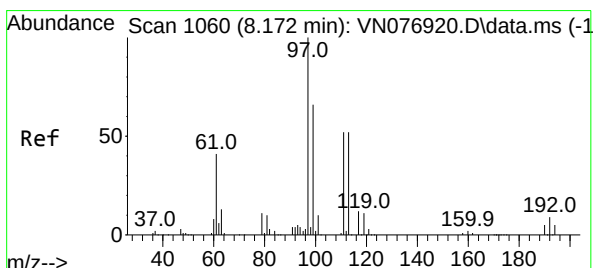
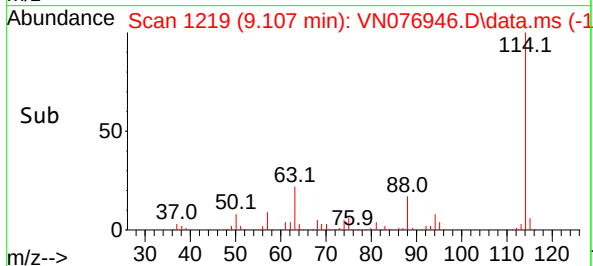
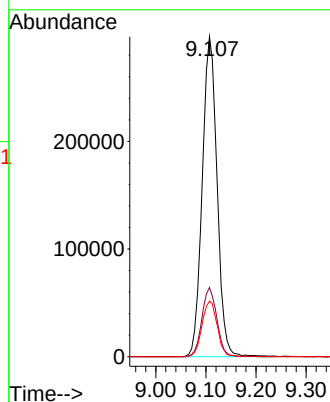
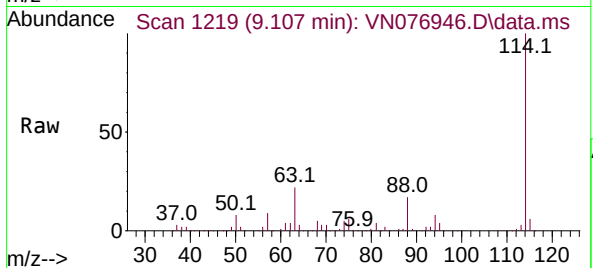
Tgt Ion:114 Resp: 611659

Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.6

88 17.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 47.098 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN076946.D

Acq: 11 Mar 2023 00:04

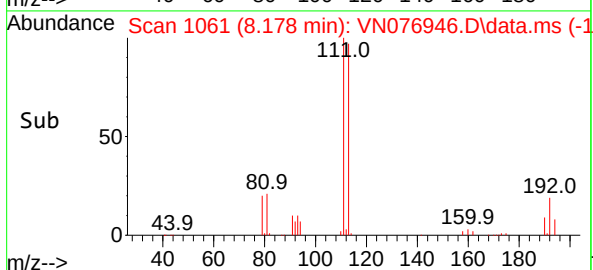
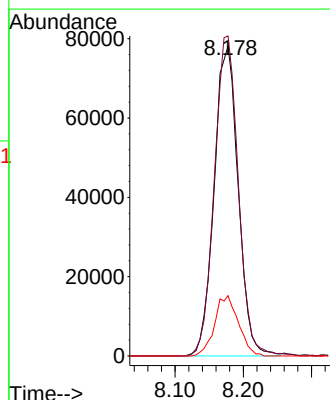
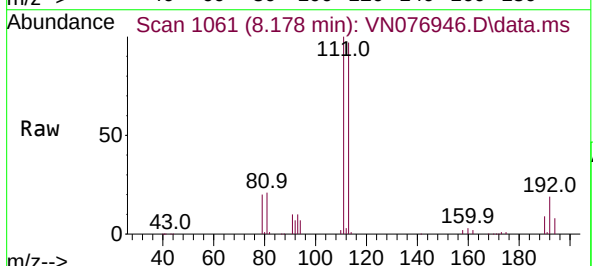
Tgt Ion:113 Resp: 191995

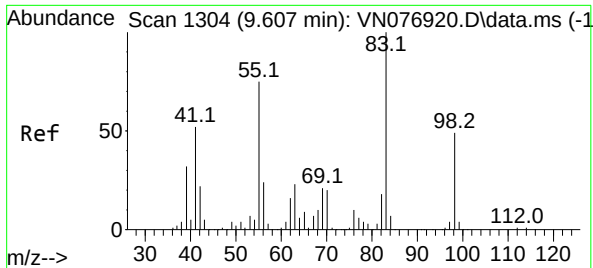
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 19.2 13.9 20.9

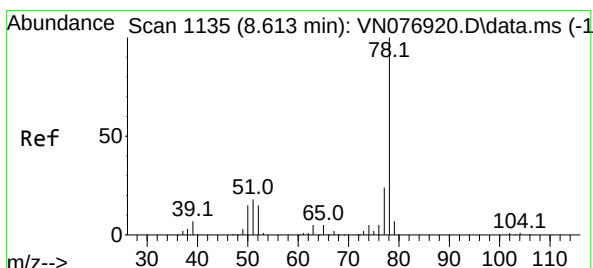
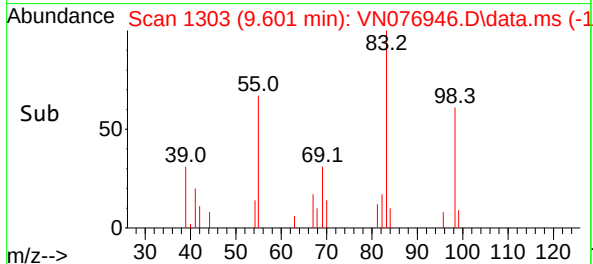
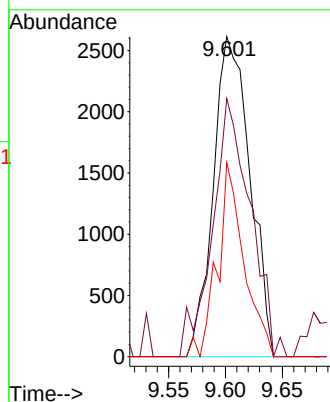
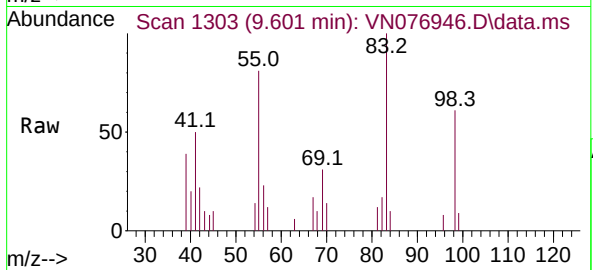




#39
Methylcyclohexane
Concen: 0.768 ug/l
RT: 9.601 min Scan# 11303
Delta R.T. -0.006 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

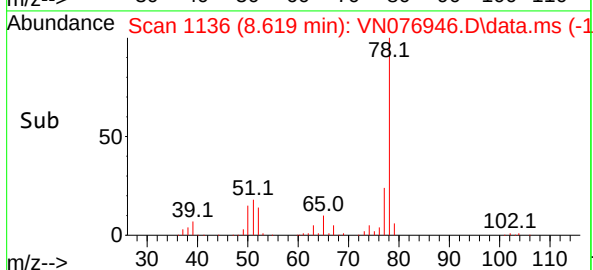
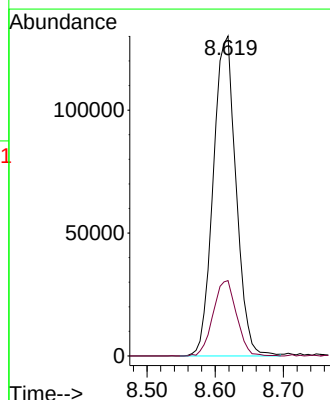
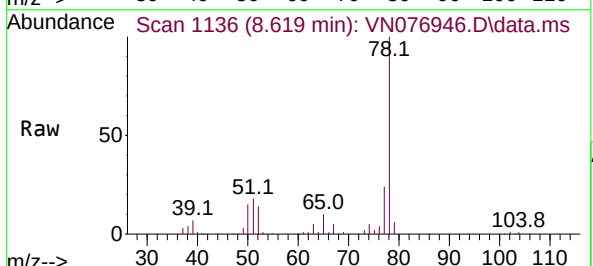
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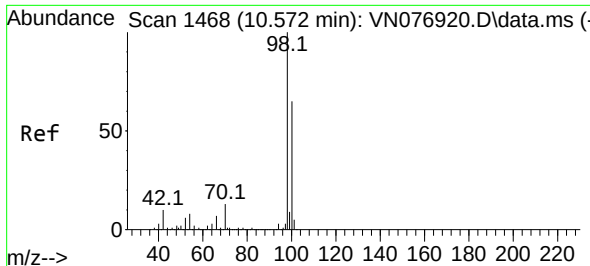
Tgt Ion: 83 Resp: 5877
Ion Ratio Lower Upper
83 100
55 80.7 47.0 70.4#
98 60.7 39.4 59.0#



#40
Benzene
Concen: 16.319 ug/l
RT: 8.619 min Scan# 1136
Delta R.T. 0.006 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 78 Resp: 303269
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9

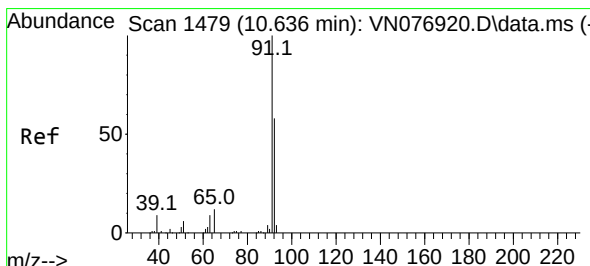
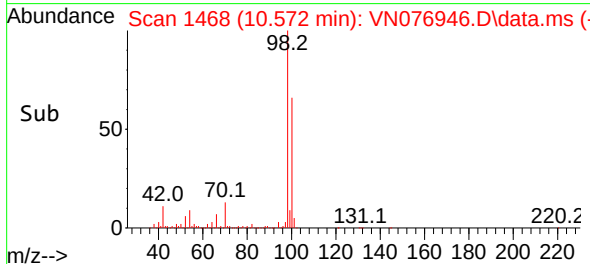
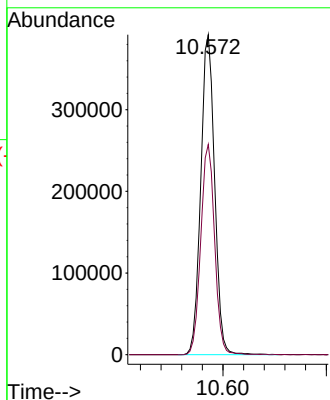
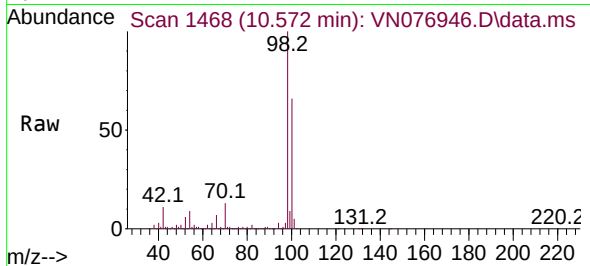




#50
Toluene-d8
Concen: 48.467 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

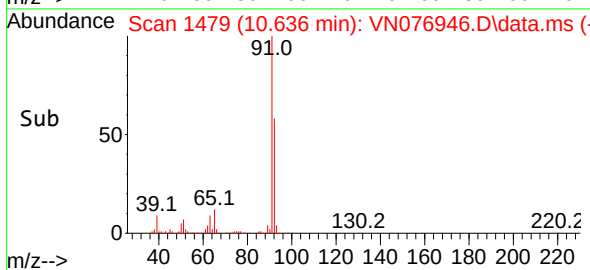
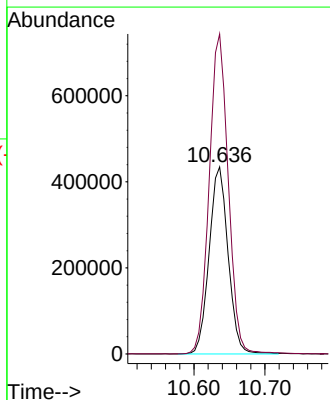
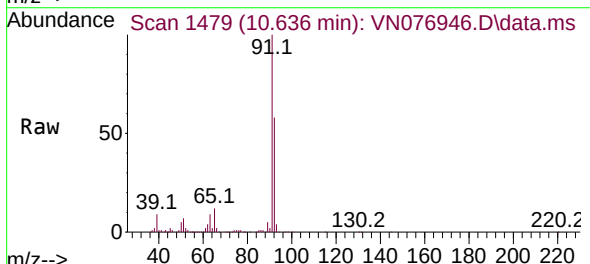
Instrument :
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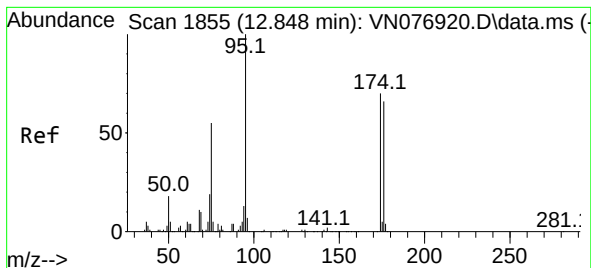
Tgt Ion: 98 Resp: 728160
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



#52
Toluene
Concen: 70.343 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 92 Resp: 804565
Ion Ratio Lower Upper
92 100
91 172.0 138.2 207.2

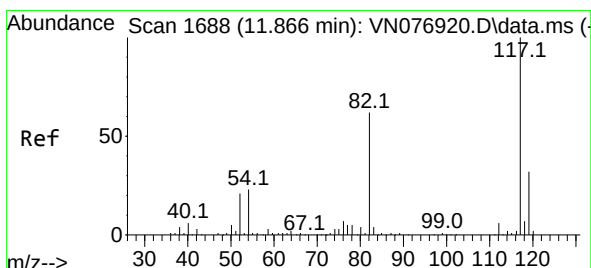
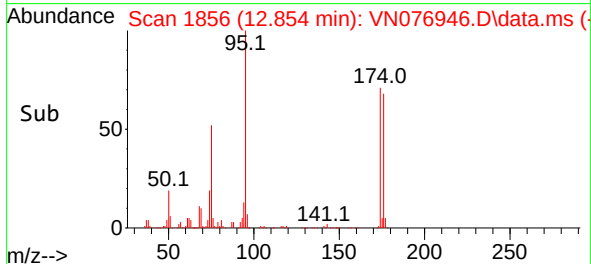
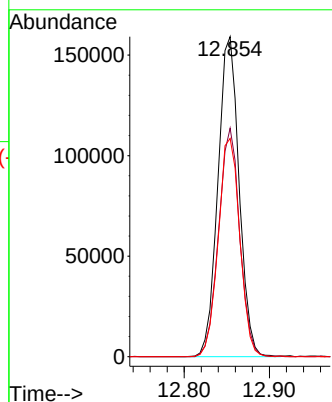
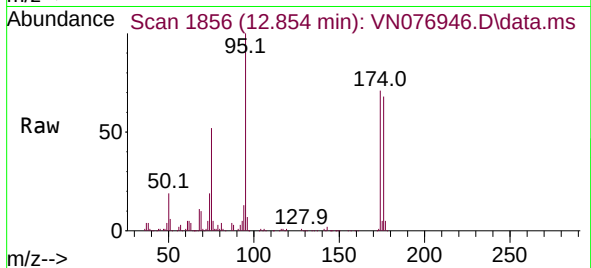




#62
4-Bromofluorobenzene
Concen: 50.013 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

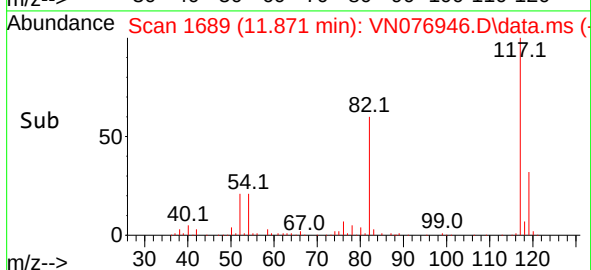
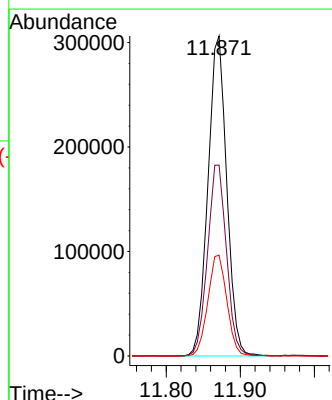
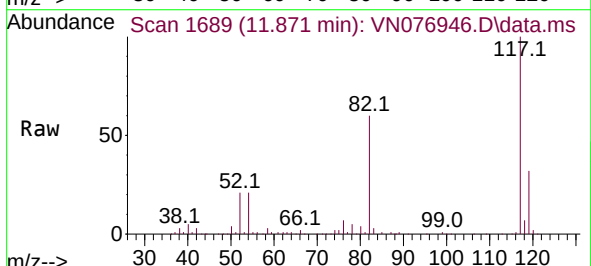
Instrument :
MSVOA_N
ClientSampleId :
33952

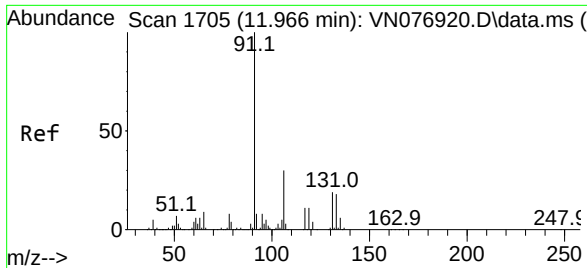
Tgt Ion: 95 Resp: 274833
Ion Ratio Lower Upper
95 100
174 71.2 0.0 162.4
176 69.4 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 117 Resp: 538634
Ion Ratio Lower Upper
117 100
82 59.6 43.5 65.3
119 31.5 25.5 38.3

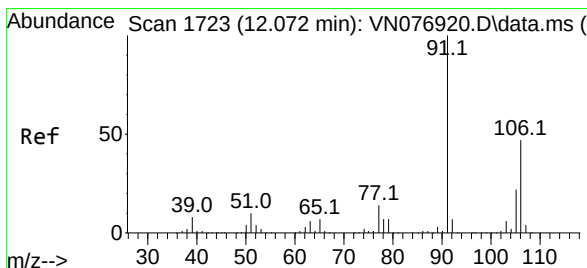
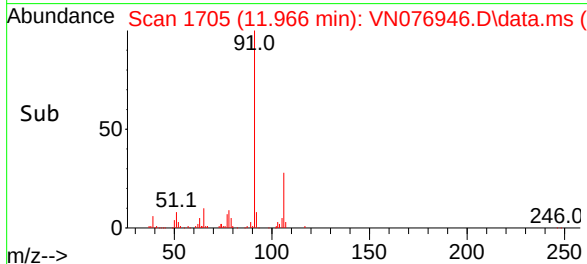
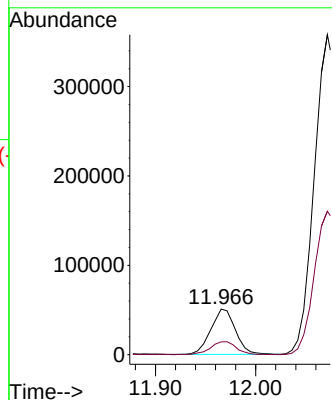
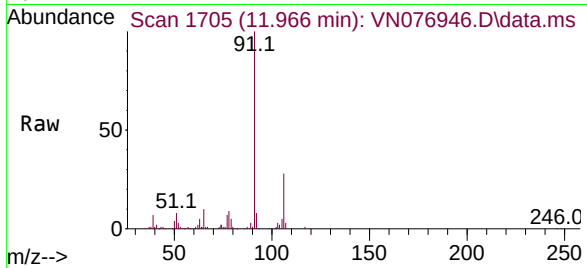




#67
Ethyl Benzene
Concen: 3.911 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

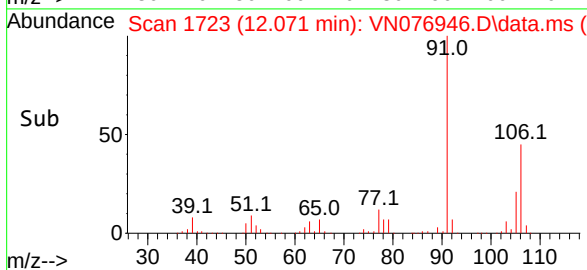
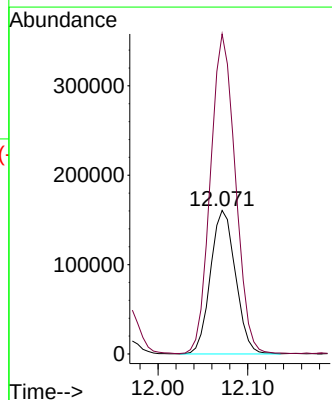
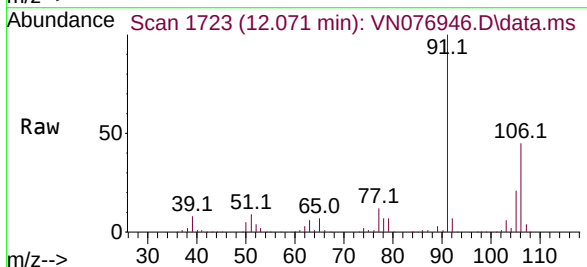
Instrument :
MSVOA_N
ClientSampleId :
33952

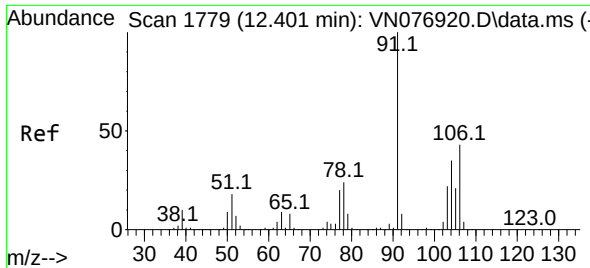
Tgt Ion: 91 Resp: 86640
Ion Ratio Lower Upper
91 100
106 28.2 25.1 37.7



#68
m/p-Xylenes
Concen: 37.424 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 106 Resp: 311627
Ion Ratio Lower Upper
106 100
91 220.9 158.0 237.0

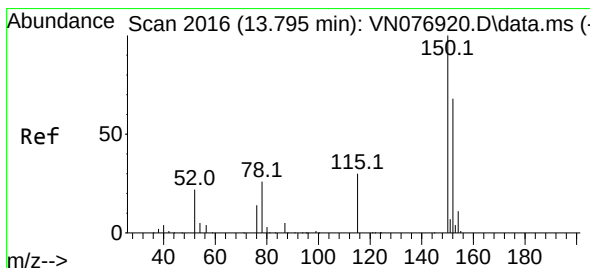
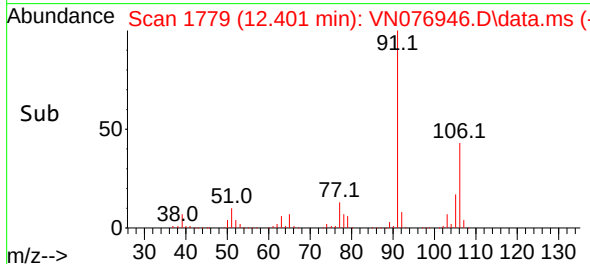
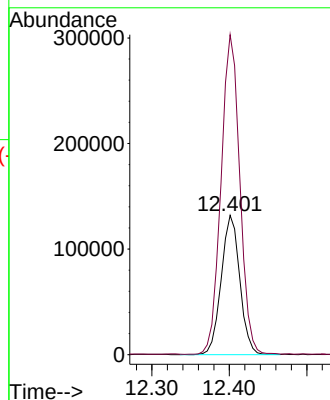
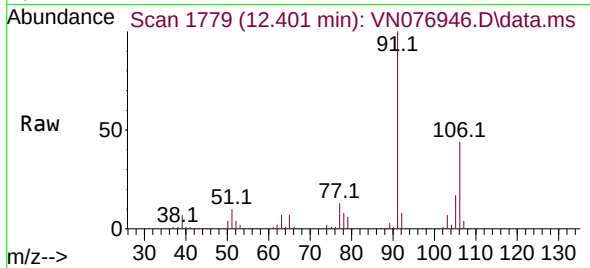




#69
o-Xylene
Concen: 27.294 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

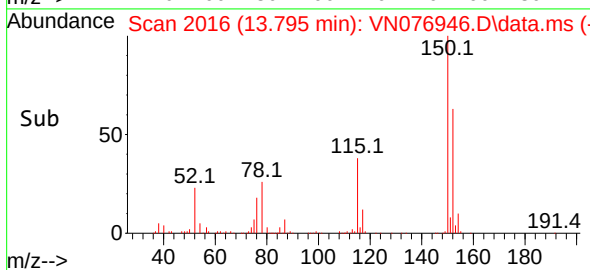
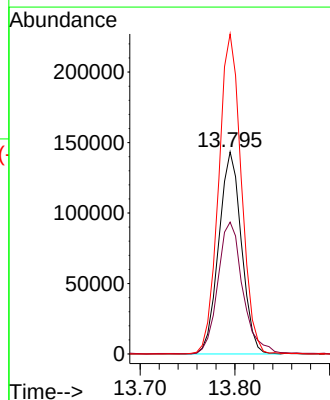
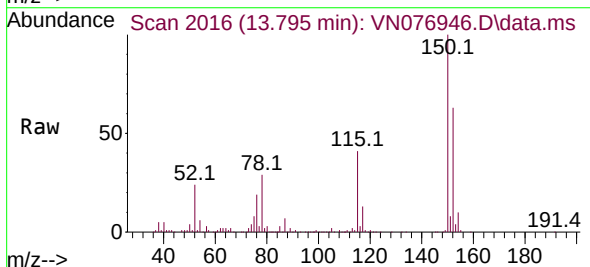
Instrument :
MSVOA_N
ClientSampleId :
33952

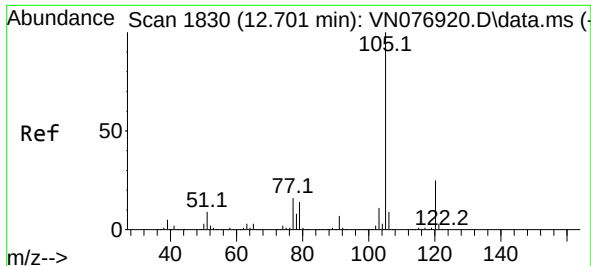
Tgt Ion:106 Resp: 220644
Ion Ratio Lower Upper
106 100
91 232.3 101.8 305.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion:152 Resp: 238848
Ion Ratio Lower Upper
152 100
115 72.3 30.3 90.9
150 158.5 0.0 353.6

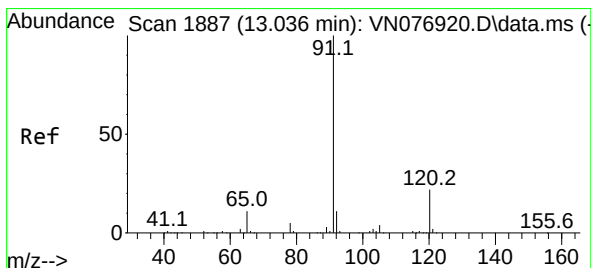
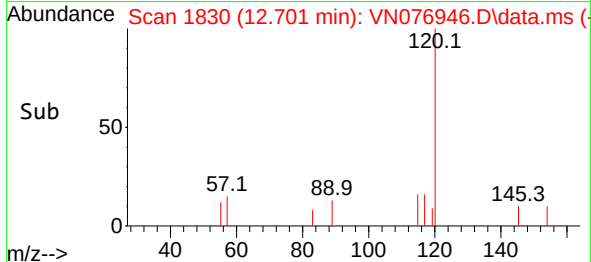
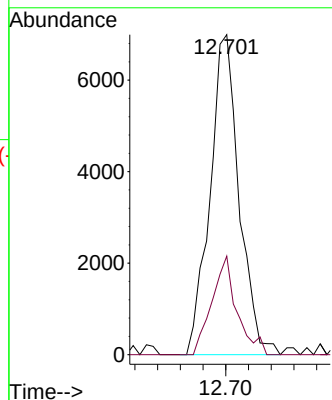
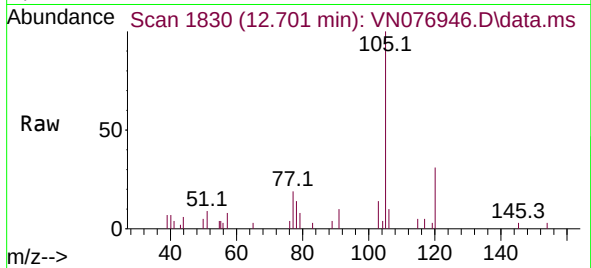




#73
Isopropylbenzene
Concen: 0.585 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

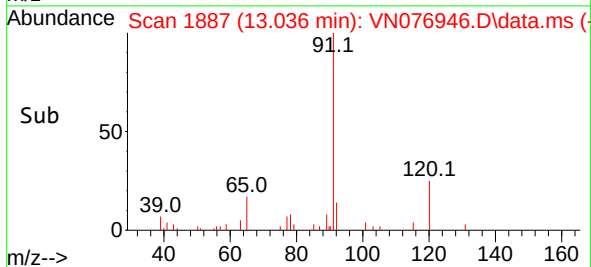
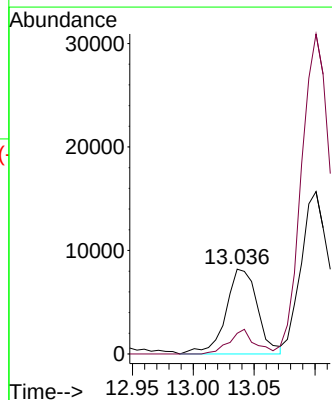
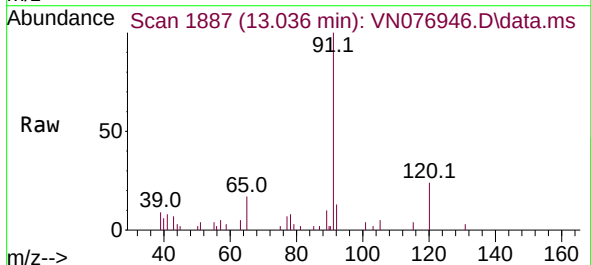
Instrument :
MSVOA_N
ClientSampleId :
33952

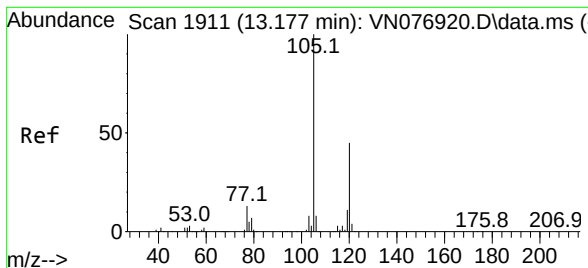
Tgt Ion:105 Resp: 12461
Ion Ratio Lower Upper
105 100
120 26.5 13.8 41.4



#78
n-propylbenzene
Concen: 0.626 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN076946.D
Acq: 11 Mar 2023 00:04

Tgt Ion: 91 Resp: 14836
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.7





#80

1,3,5-Trimethylbenzene

Concen: 6.567 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. -0.000 min

Lab File: VN076946.D

Acq: 11 Mar 2023 00:04

Instrument :

MSVOA_N

ClientSampleId :

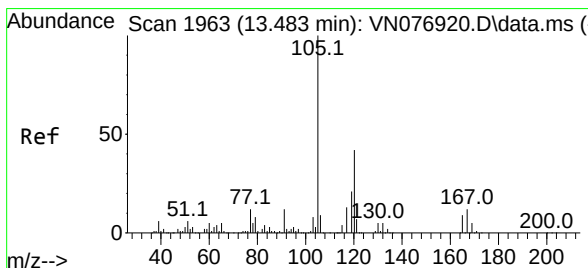
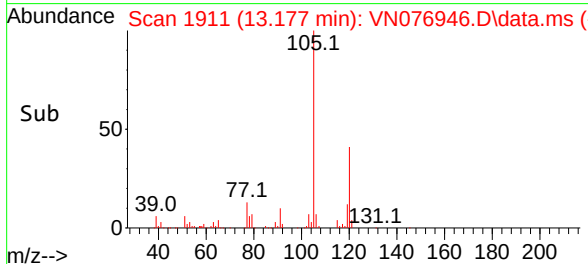
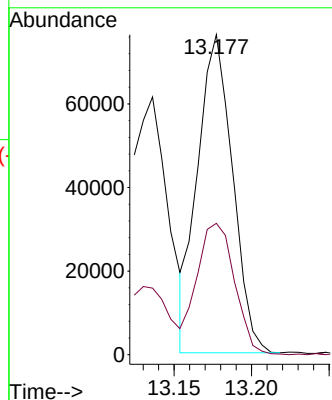
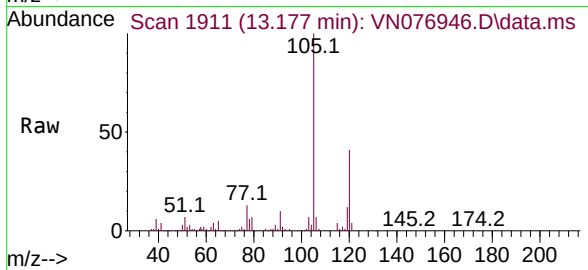
33952

Tgt Ion:105 Resp: 119064

Ion Ratio Lower Upper

105 100

120 44.7 25.2 75.6



#84

1,2,4-Trimethylbenzene

Concen: 15.486 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN076946.D

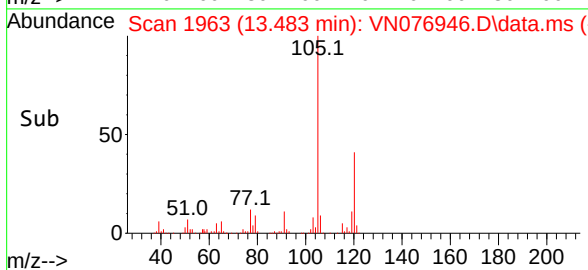
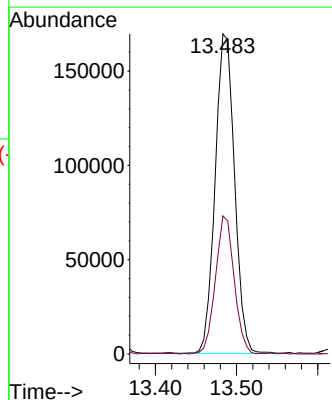
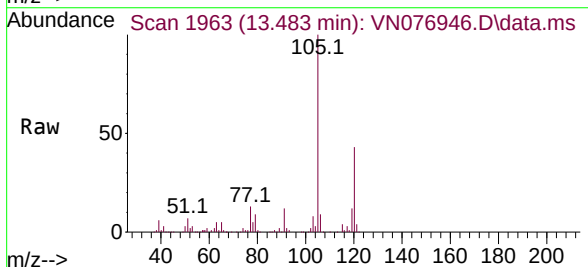
Acq: 11 Mar 2023 00:04

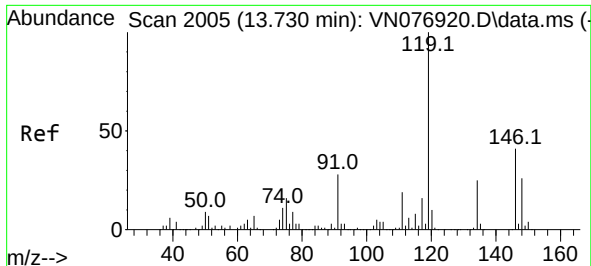
Tgt Ion:105 Resp: 280887

Ion Ratio Lower Upper

105 100

120 42.0 23.6 70.8

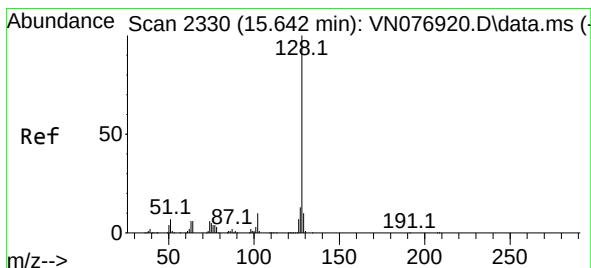
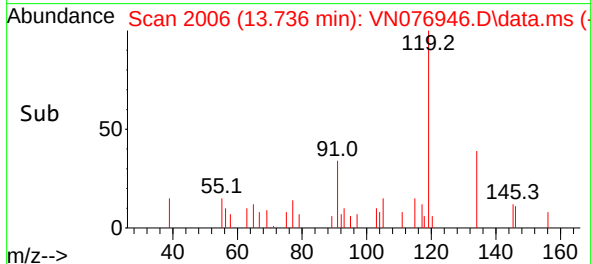
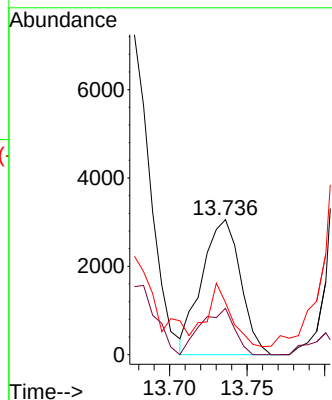
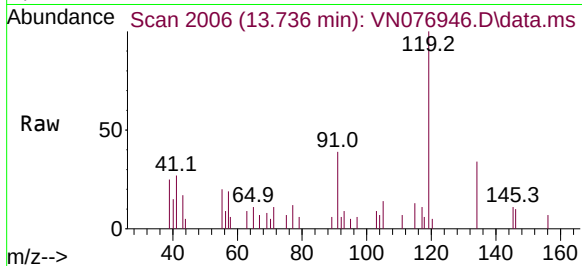




#86
 p-Isopropyltoluene
 Concen: 0.311 ug/l
 RT: 13.736 min Scan# 2005
 Delta R.T. 0.006 min
 Lab File: VN076946.D
 Acq: 11 Mar 2023 00:04

Instrument :
 MSVOA_N
 ClientSampleId :
 33952

Tgt Ion:119 Resp: 5305
 Ion Ratio Lower Upper
 119 100
 134 29.9 13.5 40.5
 91 29.0 11.2 33.6



#95
 Naphthalene
 Concen: 4.178 ug/l
 RT: 15.648 min Scan# 2331
 Delta R.T. 0.006 min
 Lab File: VN076946.D
 Acq: 11 Mar 2023 00:04

Tgt Ion:128 Resp: 60234
 Ion Ratio Lower Upper
 128 100
 127 14.4 10.2 15.4
 129 11.3 8.9 13.3

