

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075563.D
 Acq On : 05 Dec 2022 16:55
 Operator : JC\MD
 Sample : N5836-01DL 400X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JAM-VRG-1201DL

Quant Time: Dec 06 03:25:45 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)

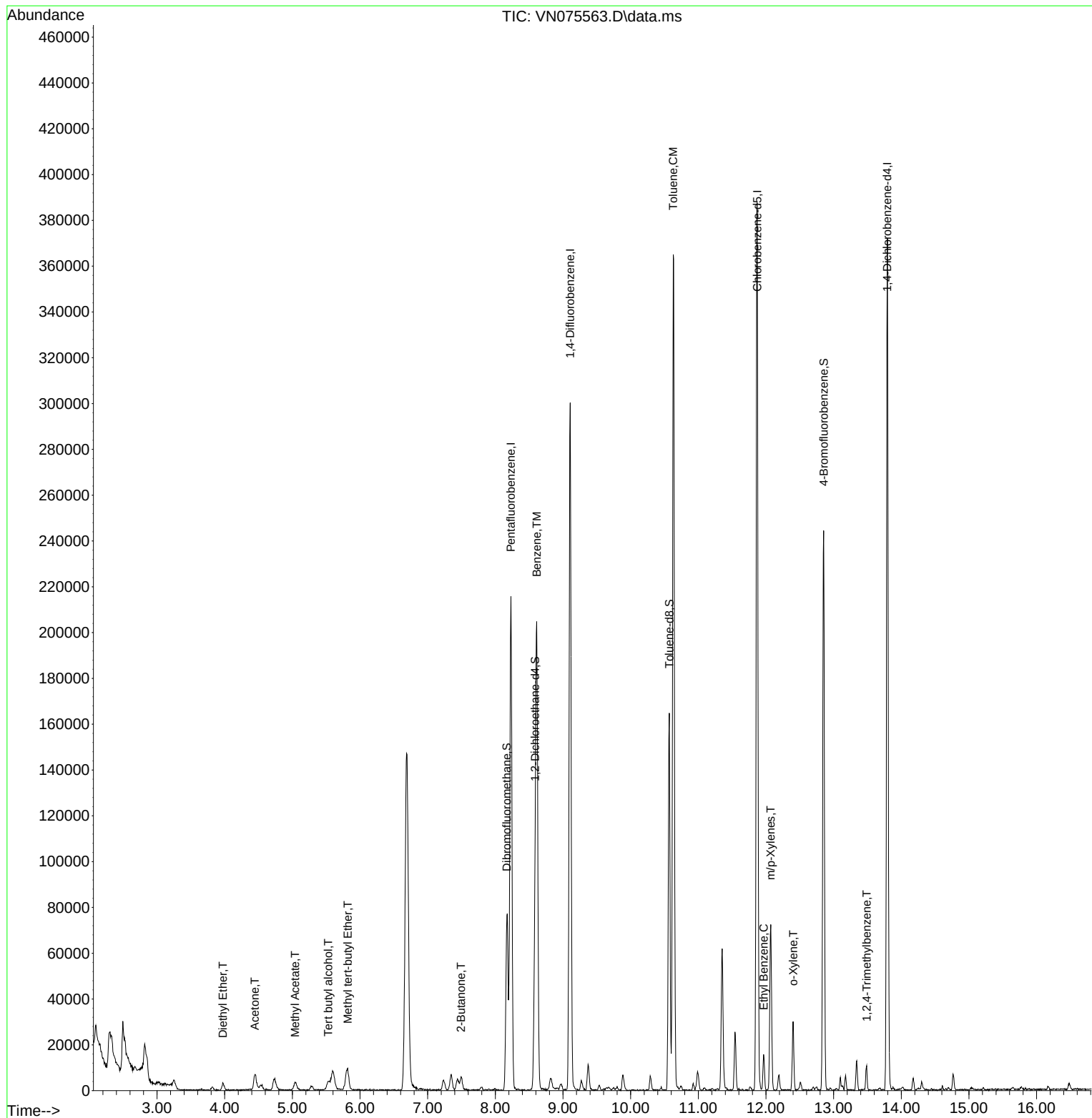
Internal Standards						
1) Pentafluorobenzene	8.230	168	167506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	244994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	45158	50.223	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.440%	
35) Dibromofluoromethane	8.171	113	56883	51.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.560%	
50) Toluene-d8	10.571	98	114993	46.472	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.940%	
62) 4-Bromofluorobenzene	12.853	95	83947	45.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.920%	
Target Compounds						
						Qvalue
8) Diethyl Ether	3.971	74	2045	2.033	ug/l	98
11) Tert butyl alcohol	5.530	59	8379	22.199	ug/l #	78
16) Acetone	4.448	43	13975	16.663	ug/l	96
18) Methyl Acetate	5.042	43	7080	2.108	ug/l	94
19) Methyl tert-butyl Ether	5.818	73	16509	3.004	ug/l	98
25) 2-Butanone	7.494	43	8044	6.870	ug/l	89
40) Benzene	8.612	78	208144	28.375	ug/l	99
52) Toluene	10.630	92	175069	37.035	ug/l	99
67) Ethyl Benzene	11.965	91	11958	1.385	ug/l	96
68) m/p-Xylenes	12.071	106	24026	6.854	ug/l	95
69) o-Xylene	12.406	106	8995	2.583	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	7151	1.102	ug/l	99

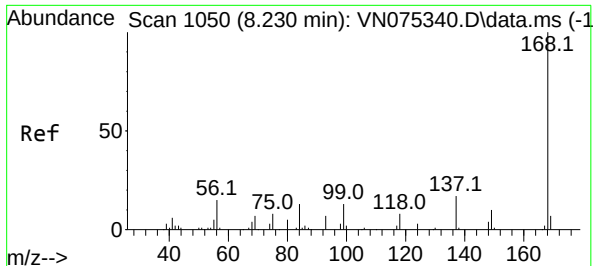
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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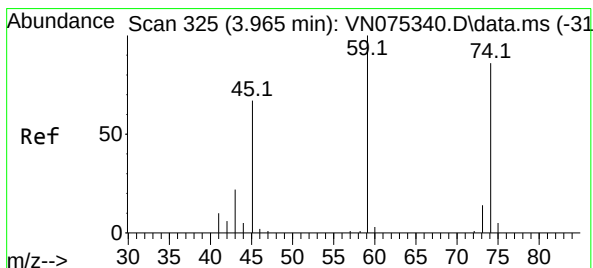
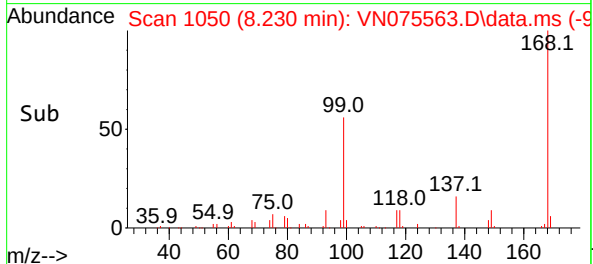
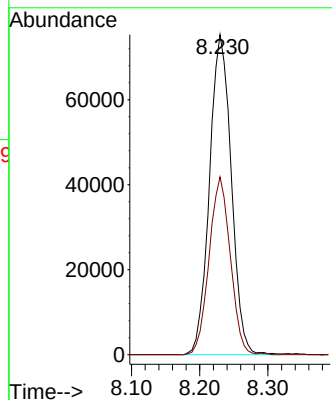
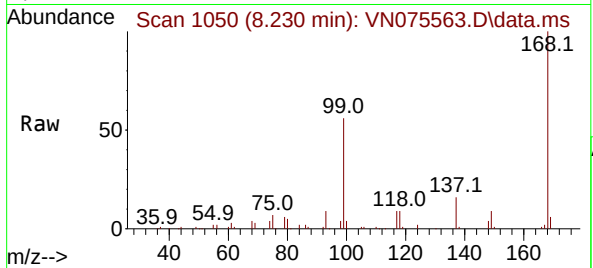




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

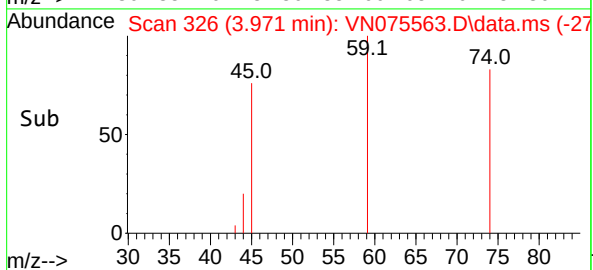
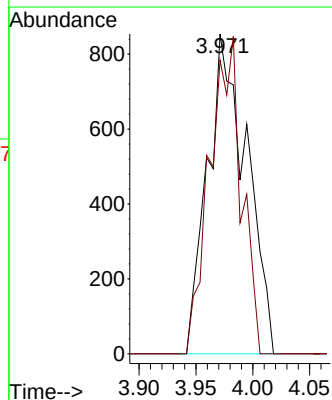
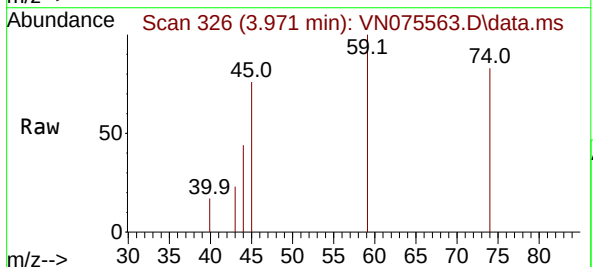
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201DL

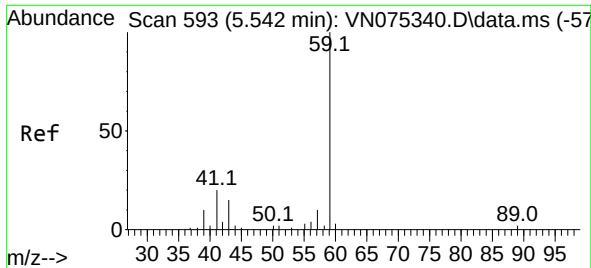
Tgt Ion:168 Resp: 167506
Ion Ratio Lower Upper
168 100
99 55.6 51.6 77.4



#8
Diethyl Ether
Concen: 2.033 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

Tgt Ion: 74 Resp: 2045
Ion Ratio Lower Upper
74 100
45 80.6 39.3 117.9

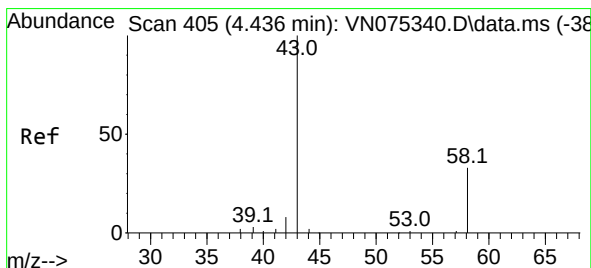
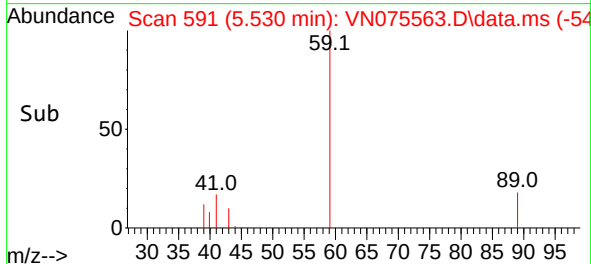
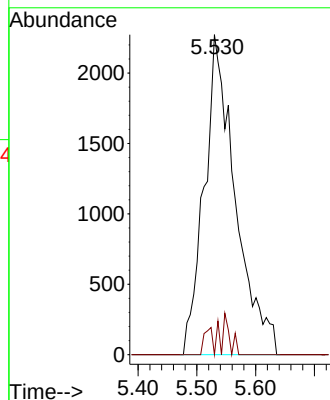
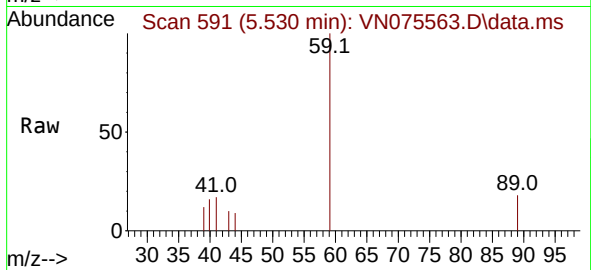




#11
Tert butyl alcohol
Concen: 22.199 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

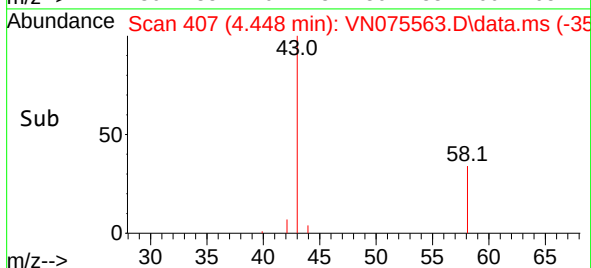
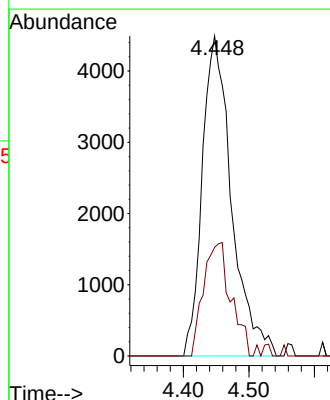
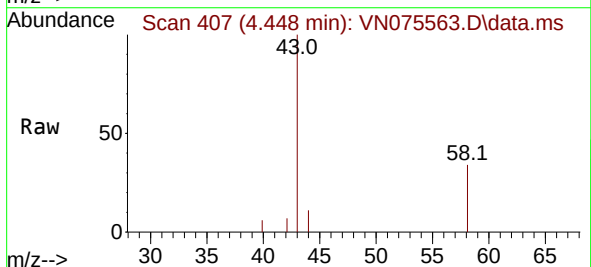
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201DL

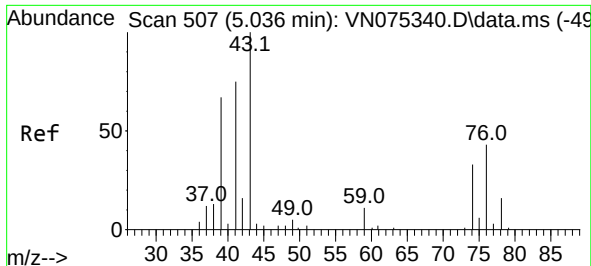
Tgt Ion: 59 Resp: 8379
Ion Ratio Lower Upper
59 100
57 2.2 8.5 12.7#



#16
Acetone
Concen: 16.663 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

Tgt Ion: 43 Resp: 13975
Ion Ratio Lower Upper
43 100
58 33.9 25.5 38.3





#18

Methyl Acetate

Concen: 2.108 ug/l

RT: 5.042 min Scan# 507

Delta R.T. 0.006 min

Lab File: VN075563.D

Acq: 05 Dec 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

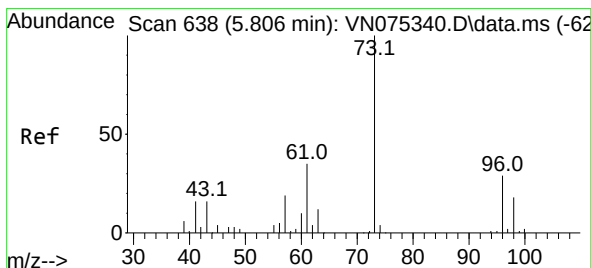
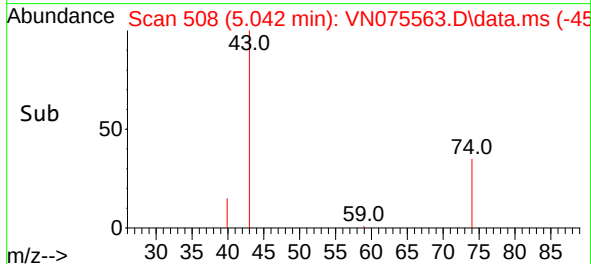
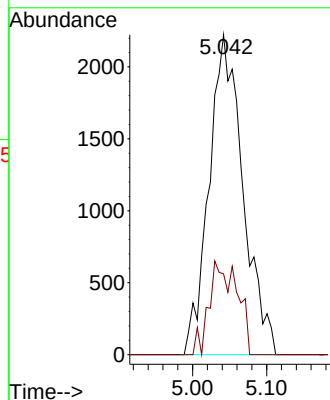
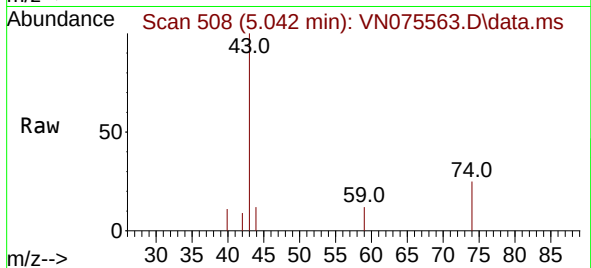
JAM-VRG-1201DL

Tgt Ion: 43 Resp: 7080

Ion Ratio Lower Upper

43 100

74 24.2 22.0 33.0



#19

Methyl tert-butyl Ether

Concen: 3.004 ug/l

RT: 5.818 min Scan# 640

Delta R.T. 0.012 min

Lab File: VN075563.D

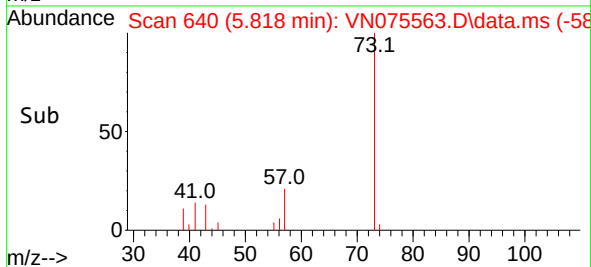
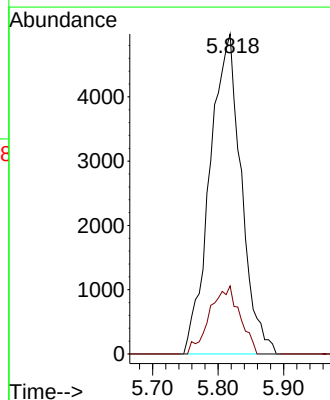
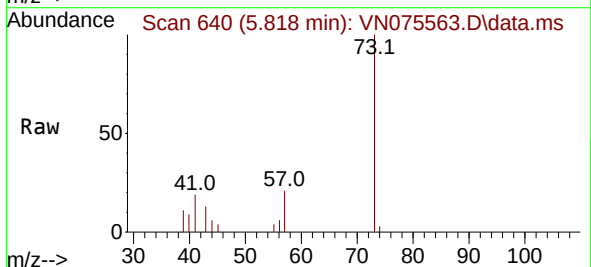
Acq: 05 Dec 2022 16:55

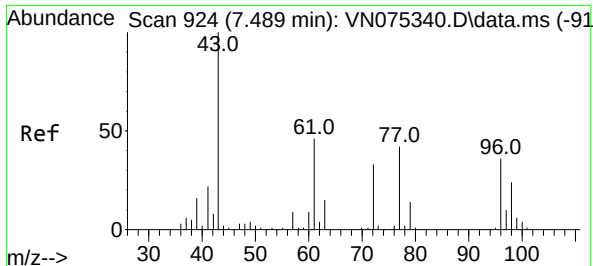
Tgt Ion: 73 Resp: 16509

Ion Ratio Lower Upper

73 100

57 21.2 16.3 24.5





#25

2-Butanone

Concen: 6.870 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075563.D

Acq: 05 Dec 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

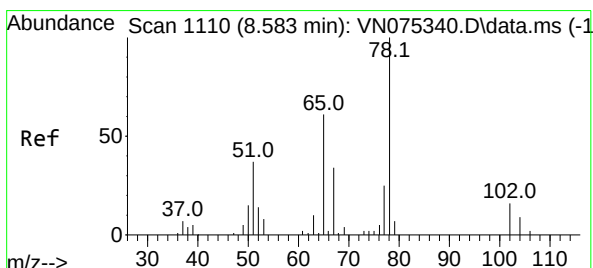
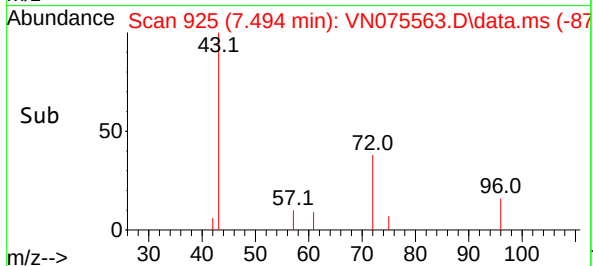
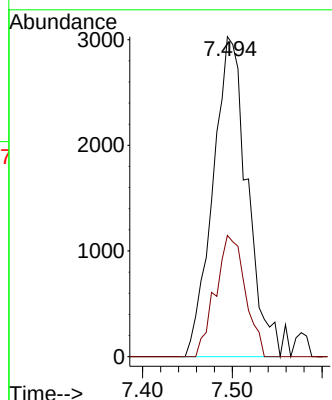
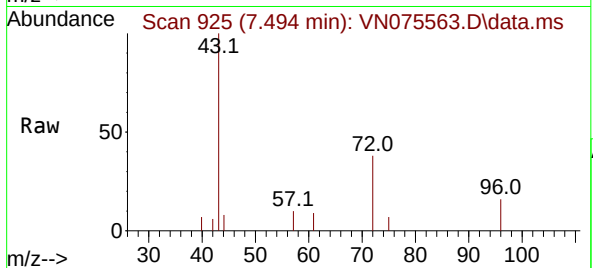
JAM-VRG-1201DL

Tgt Ion: 43 Resp: 8044

Ion Ratio Lower Upper

43 100

72 37.9 25.5 38.3



#33

1,2-Dichloroethane-d4

Concen: 50.223 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075563.D

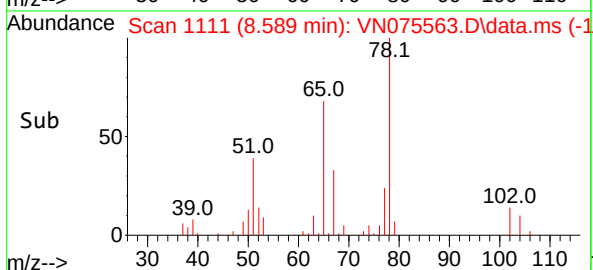
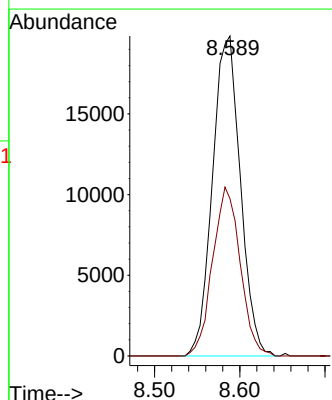
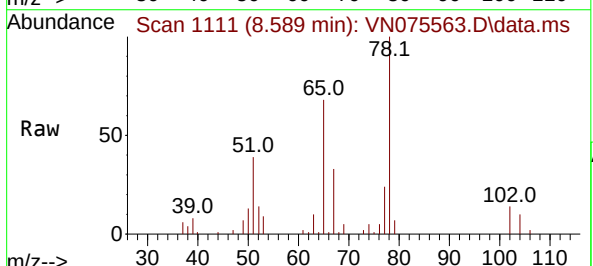
Acq: 05 Dec 2022 16:55

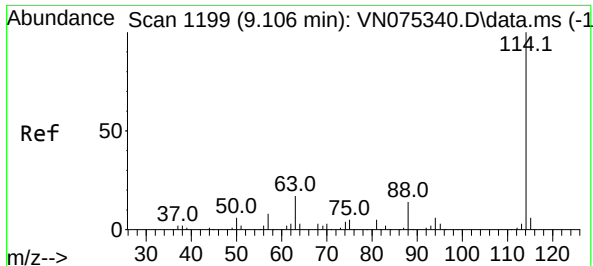
Tgt Ion: 65 Resp: 45158

Ion Ratio Lower Upper

65 100

67 52.2 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: VN075563.D

Acq: 05 Dec 2022 16:55

Instrument :

MSVOA_N

ClientSampleId :

JAM-VRG-1201DL

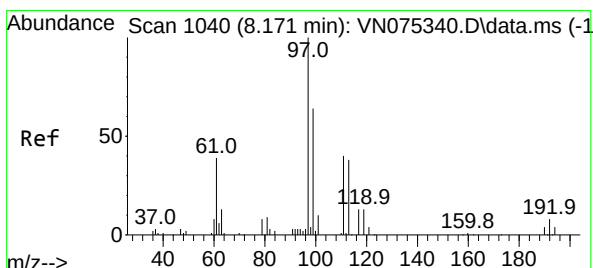
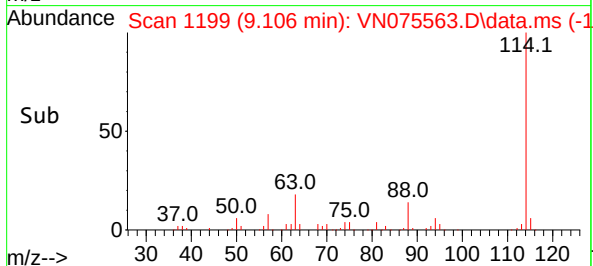
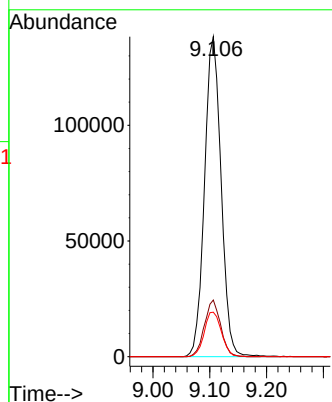
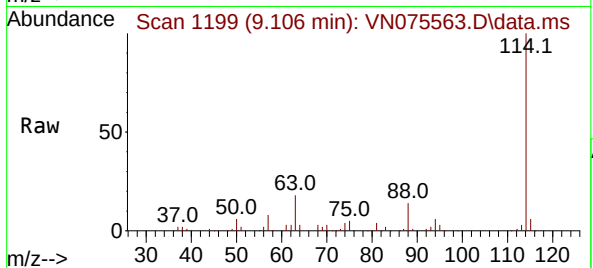
Tgt Ion:114 Resp: 279675

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.775 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075563.D

Acq: 05 Dec 2022 16:55

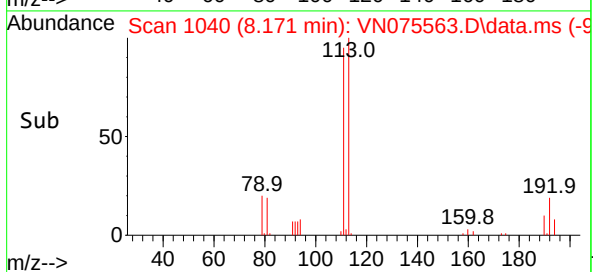
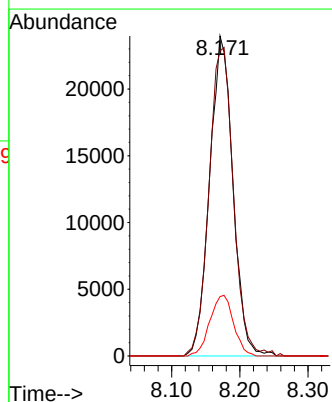
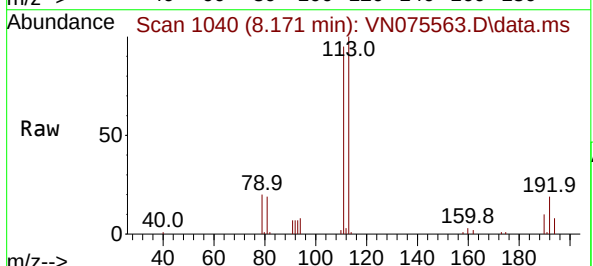
Tgt Ion:113 Resp: 56883

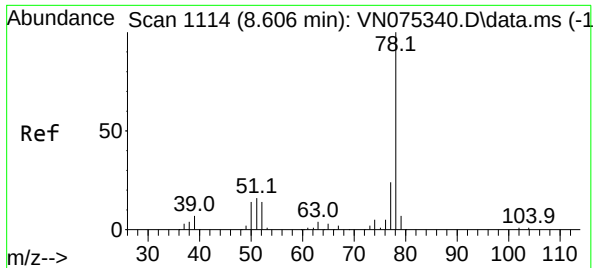
Ion Ratio Lower Upper

113 100

111 101.3 80.5 120.7

192 19.3 13.2 19.8

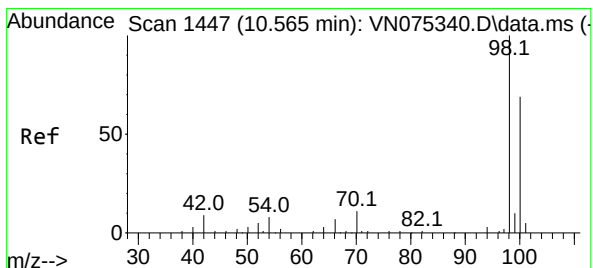
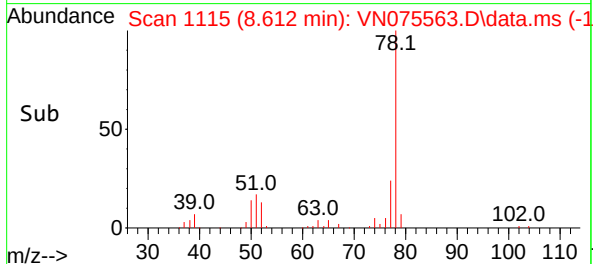
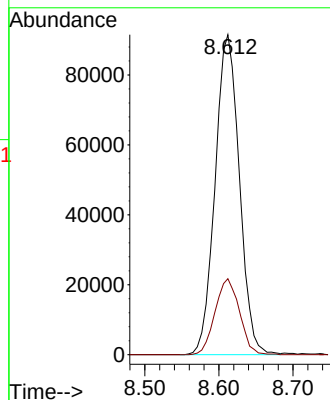
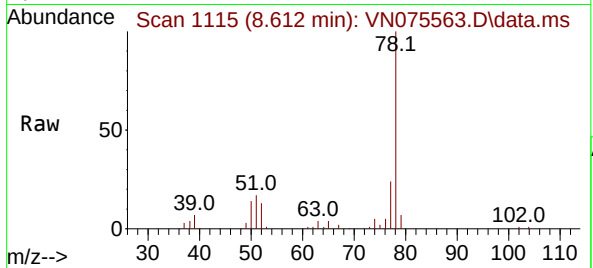




#40
Benzene
Concen: 28.375 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

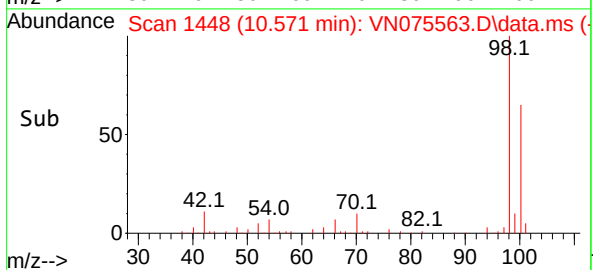
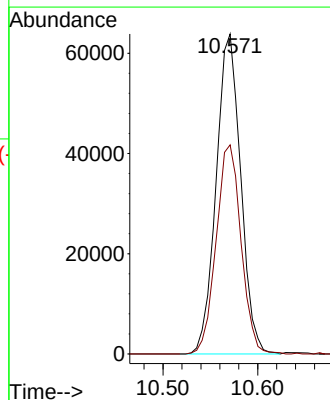
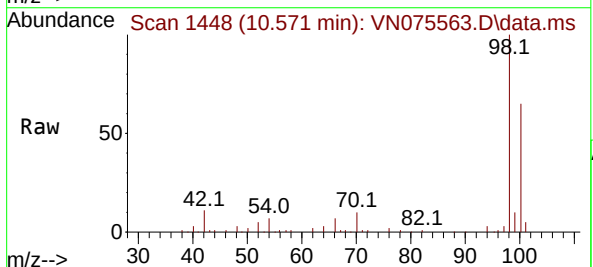
Instrument :
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JAM-VRG-1201DL

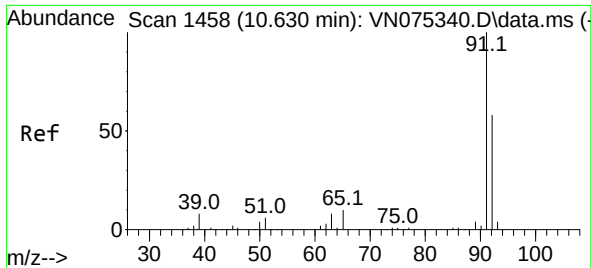
Tgt Ion: 78 Resp: 208144
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0



#50
Toluene-d8
Concen: 46.472 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

Tgt Ion: 98 Resp: 114993
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6

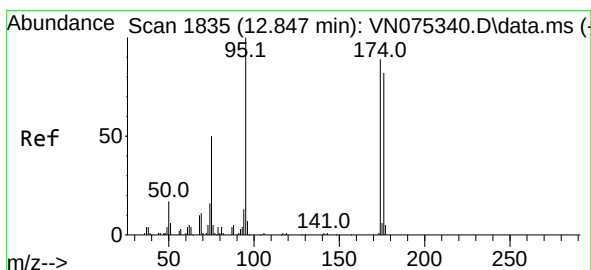
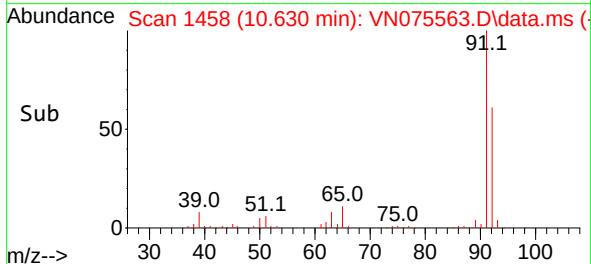
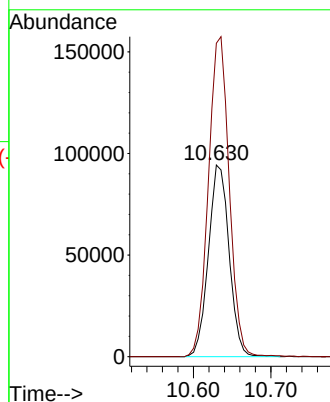
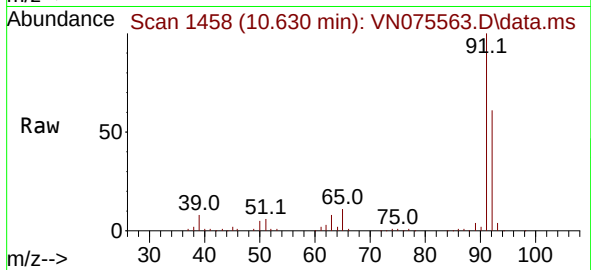




#52
Toluene
Concen: 37.035 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

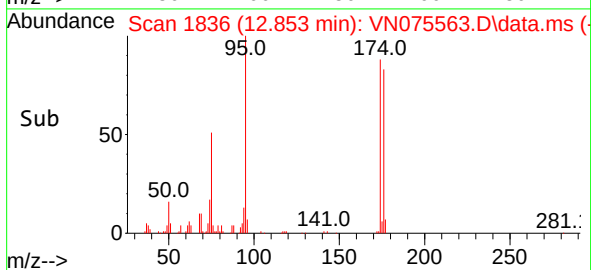
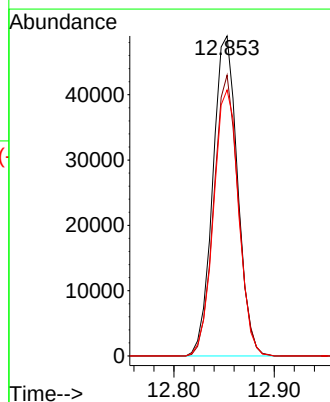
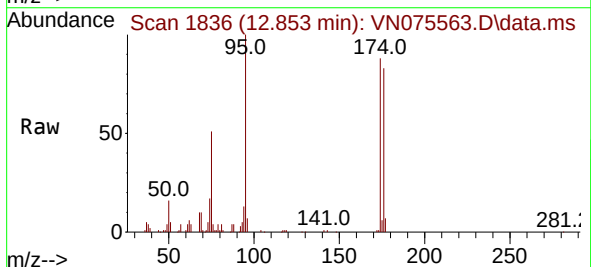
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201DL

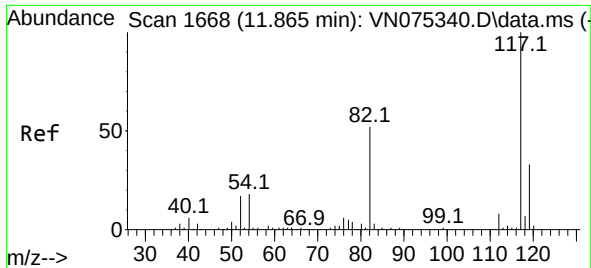
Tgt Ion: 92 Resp: 175069
Ion Ratio Lower Upper
92 100
91 168.0 135.4 203.2



#62
4-Bromofluorobenzene
Concen: 45.962 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

Tgt Ion: 95 Resp: 83947
Ion Ratio Lower Upper
95 100
174 86.4 0.0 147.4
176 84.3 0.0 142.2

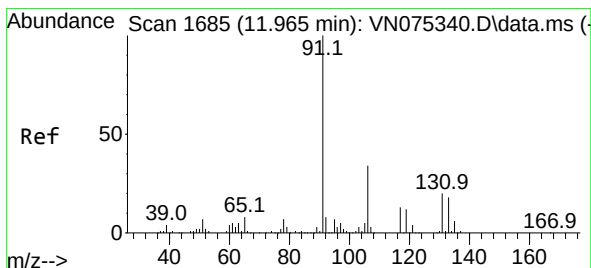
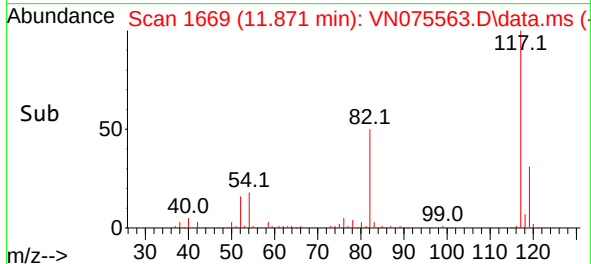
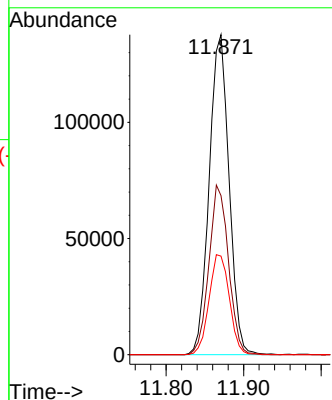
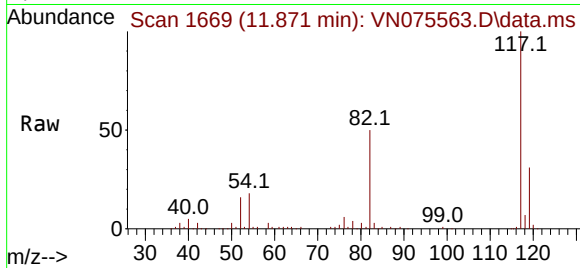




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

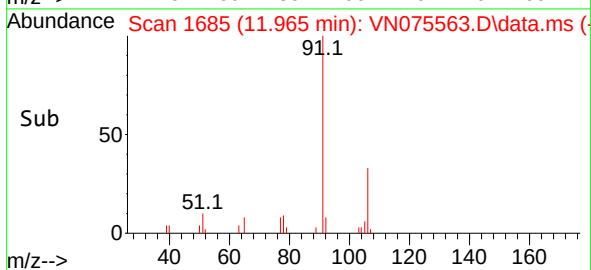
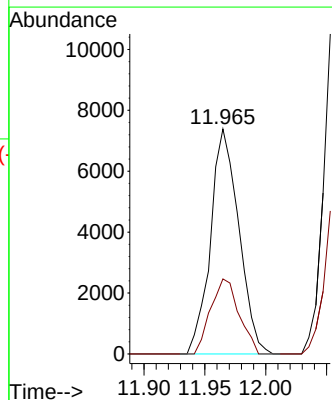
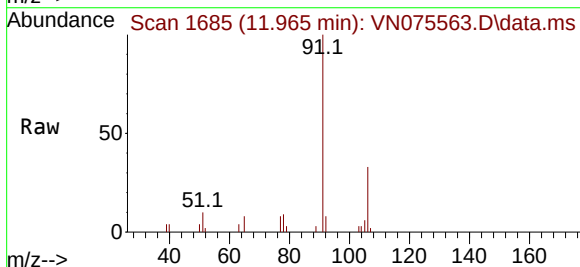
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201DL

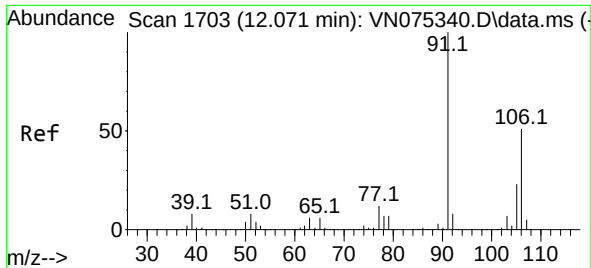
Tgt Ion:117 Resp: 244994
Ion Ratio Lower Upper
117 100
82 49.7 43.1 64.7
119 30.8 25.5 38.3



#67
Ethyl Benzene
Concen: 1.385 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

Tgt Ion: 91 Resp: 11958
Ion Ratio Lower Upper
91 100
106 33.3 24.9 37.3

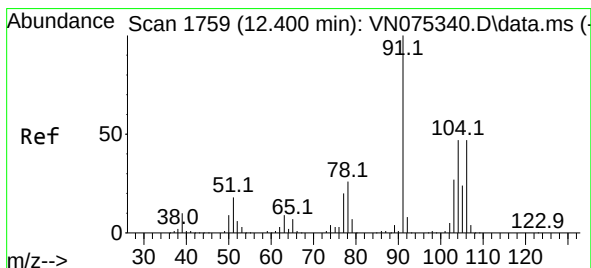
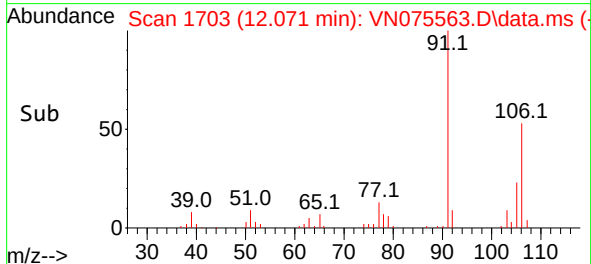
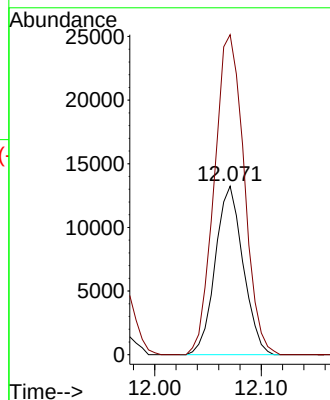
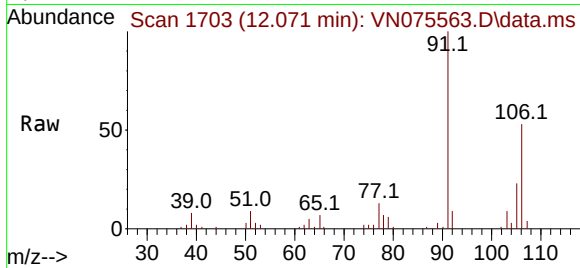




#68
m/p-Xylenes
Concen: 6.854 ug/l
RT: 12.071 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

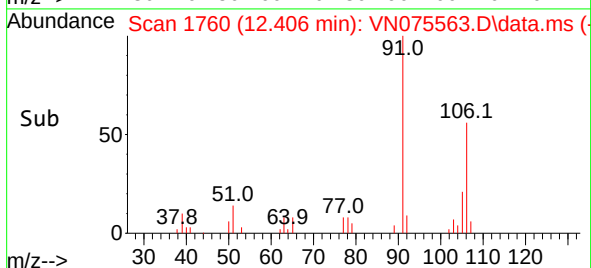
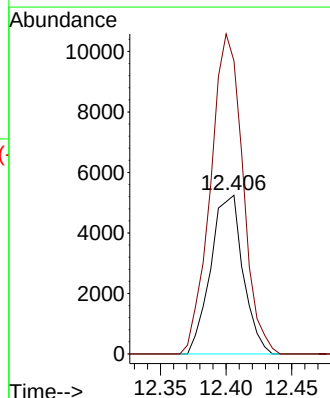
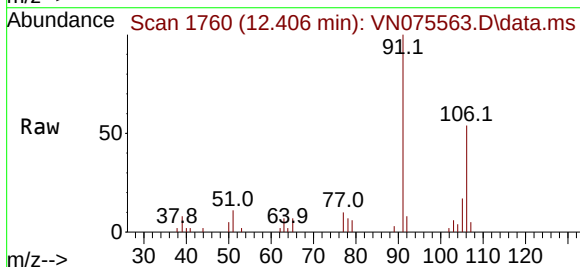
Instrument :
MSVOA_N
ClientSampleId :
JAM-VRG-1201DL

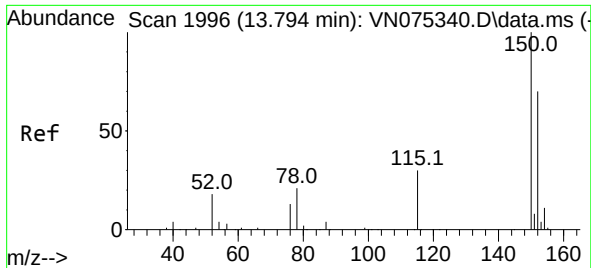
Tgt Ion:106 Resp: 24026
Ion Ratio Lower Upper
106 100
91 203.2 156.0 234.0



#69
o-Xylene
Concen: 2.583 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN075563.D
Acq: 05 Dec 2022 16:55

Tgt Ion:106 Resp: 8995
Ion Ratio Lower Upper
106 100
91 201.6 105.2 315.5

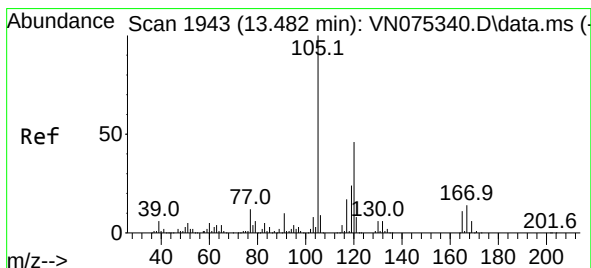
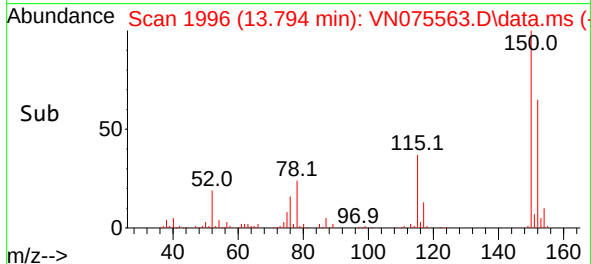
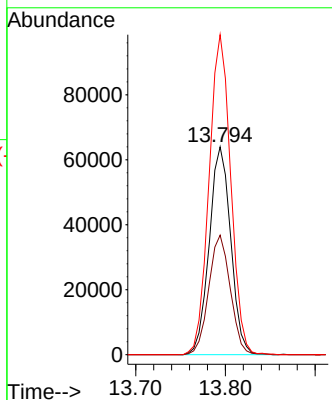
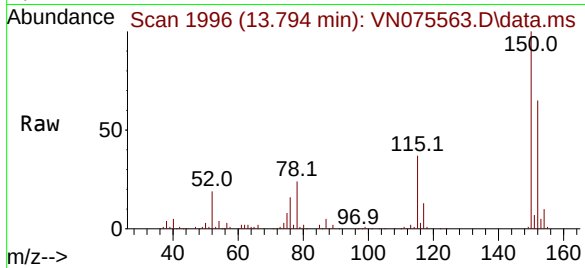




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075563.D
 Acq: 05 Dec 2022 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 JAM-VRG-1201DL

Tgt Ion:152 Resp: 106538
 Ion Ratio Lower Upper
 152 100
 115 57.7 30.2 90.6
 150 154.8 0.0 348.4



#84
 1,2,4-Trimethylbenzene
 Concen: 1.102 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.006 min
 Lab File: VN075563.D
 Acq: 05 Dec 2022 16:55

Tgt Ion:105 Resp: 7151
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.7 68.1

