

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
 Data File : VN073743.D
 Acq On : 04 Aug 2022 17:58
 Operator : JC\MD
 Sample : N4029-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MID0822

Quant Time: Aug 05 00:31:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

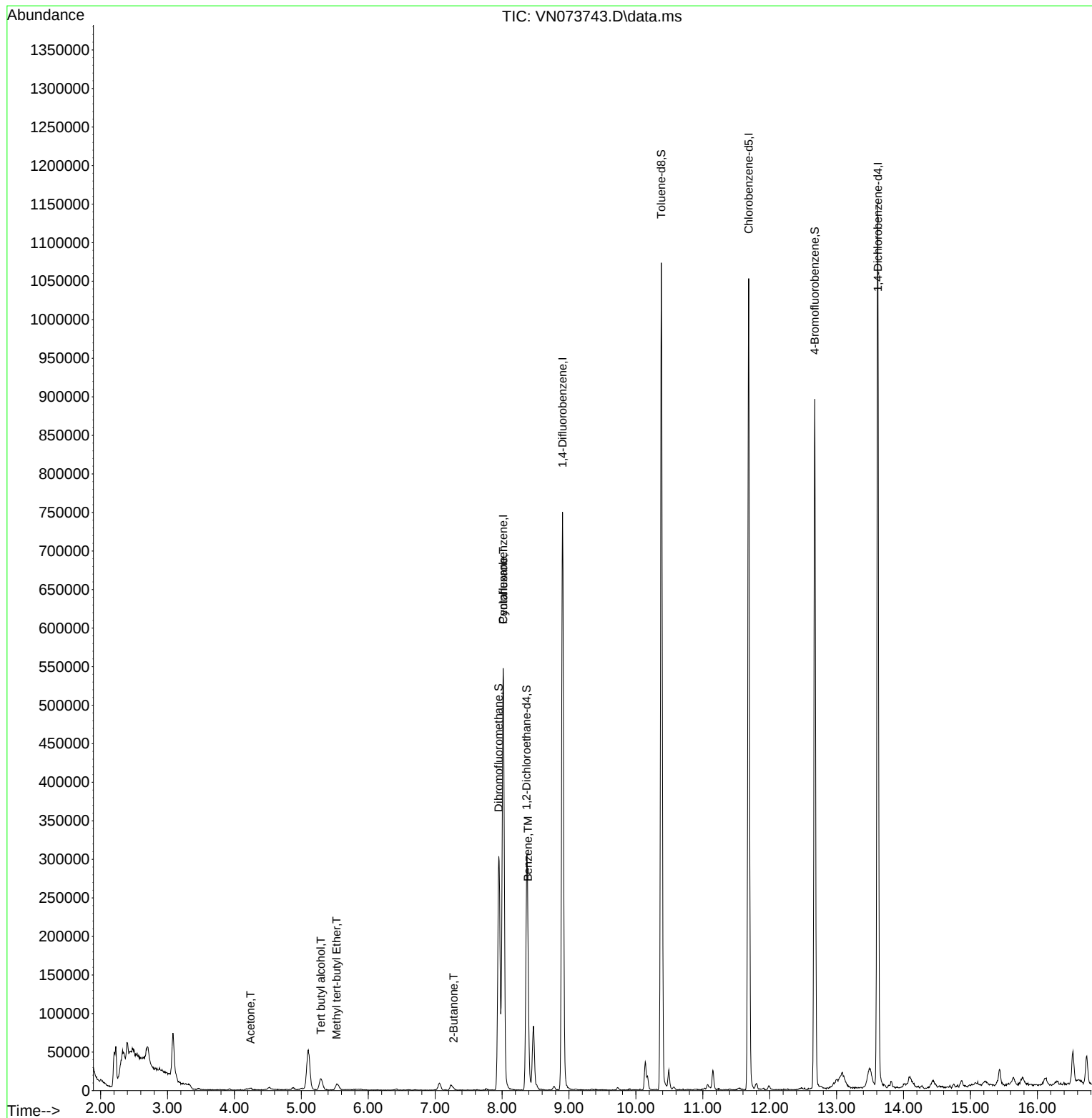
Internal Standards						
1) Pentafluorobenzene	8.016	168	441542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	691635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	641252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	327875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	241911	44.957	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.920%
35) Dibromofluoromethane	7.951	113	229349	52.809	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.620%
50) Toluene-d8	10.380	98	760398	44.493	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.980%
62) 4-Bromofluorobenzene	12.674	95	295912	51.521	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.293	59	26988	23.256	ug/l	100
16) Acetone	4.240	43	5806	2.009	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	12929	0.903	ug/l	92
25) 2-Butanone	7.275	43	3687	0.821	ug/l #	61
31) Cyclohexane	8.016	56	18156	2.266	ug/l #	57
40) Benzene	8.386	78	42937	2.136	ug/l	92

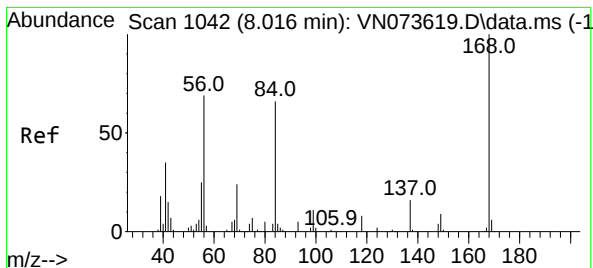
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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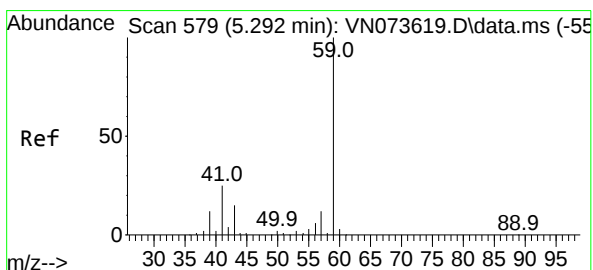
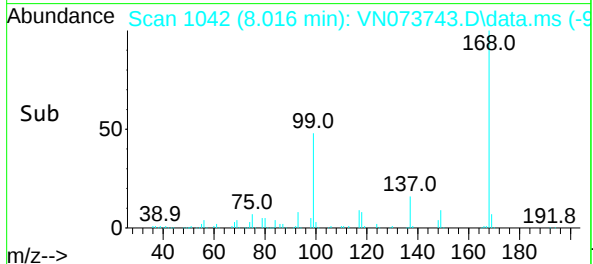
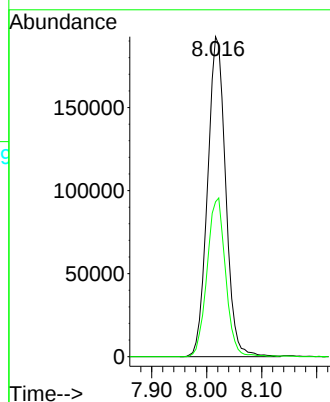
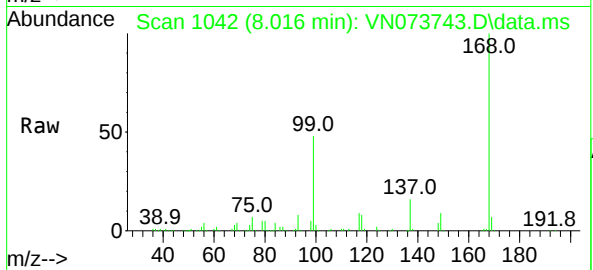




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073743.D
Acq: 04 Aug 2022 17:58

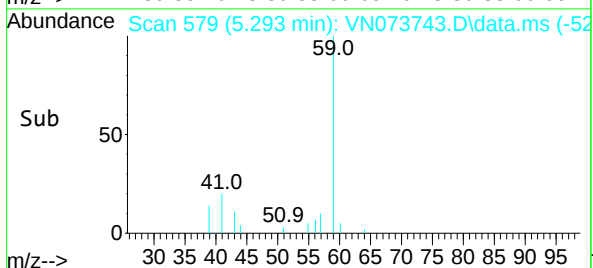
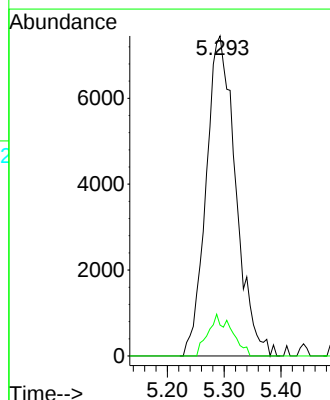
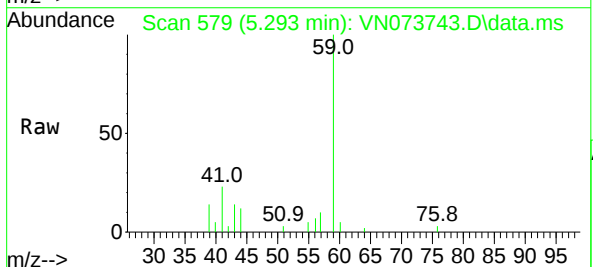
Instrument :
MSVOA_N
ClientSampleId :
MID0822

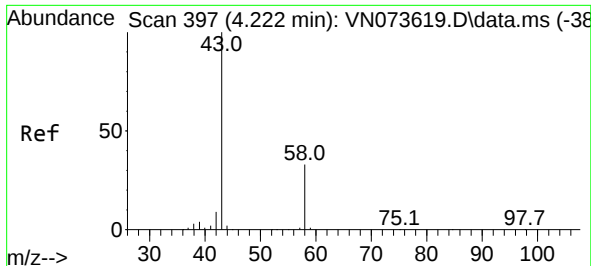
Tgt Ion:168 Resp: 441542
Ion Ratio Lower Upper
168 100
99 48.4 42.3 63.5



#11
Tert butyl alcohol
Concen: 23.256 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073743.D
Acq: 04 Aug 2022 17:58

Tgt Ion: 59 Resp: 26988
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5





#16

Acetone

Concen: 2.009 ug/l

RT: 4.240 min Scan# 40

Delta R.T. 0.018 min

Lab File: VN073743.D

Acq: 04 Aug 2022 17:58

Instrument :

MSVOA_N

ClientSampleId :

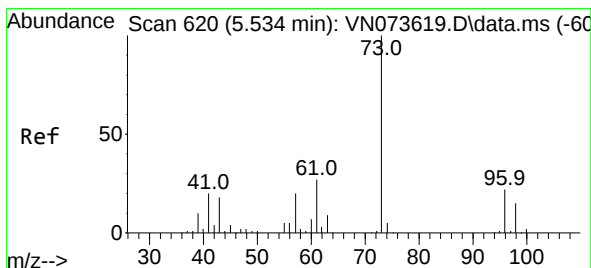
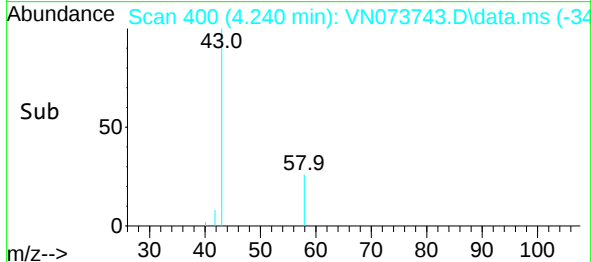
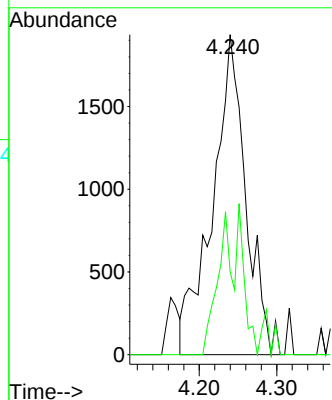
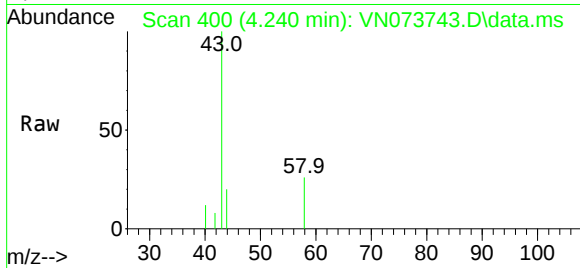
MID0822

Tgt Ion: 43 Resp: 5806

Ion Ratio Lower Upper

43 100

58 26.0 26.0 39.0#



#19

Methyl tert-butyl Ether

Concen: 0.903 ug/l

RT: 5.528 min Scan# 619

Delta R.T. -0.006 min

Lab File: VN073743.D

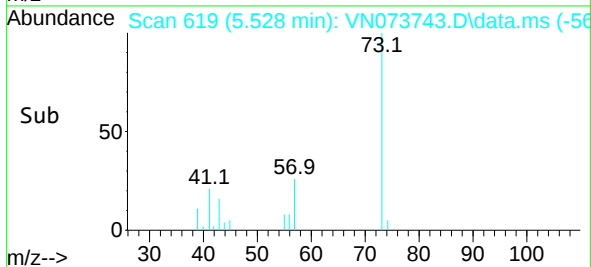
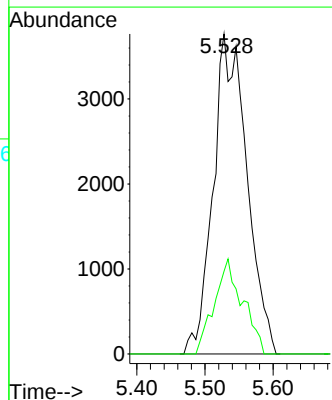
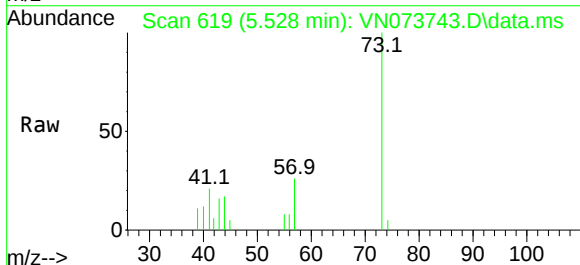
Acq: 04 Aug 2022 17:58

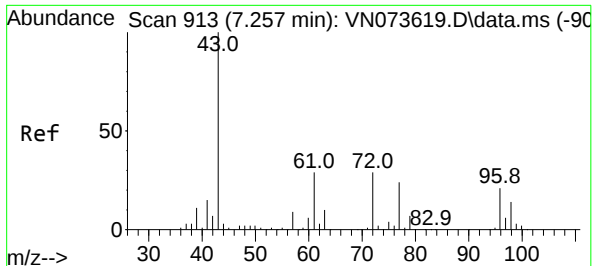
Tgt Ion: 73 Resp: 12929

Ion Ratio Lower Upper

73 100

57 25.9 17.6 26.4

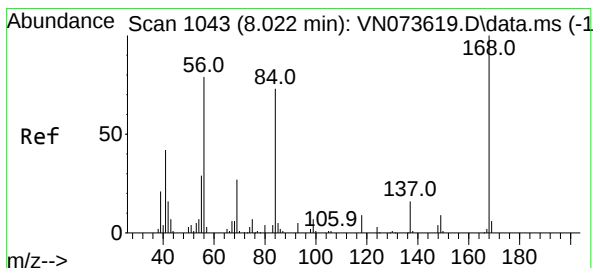
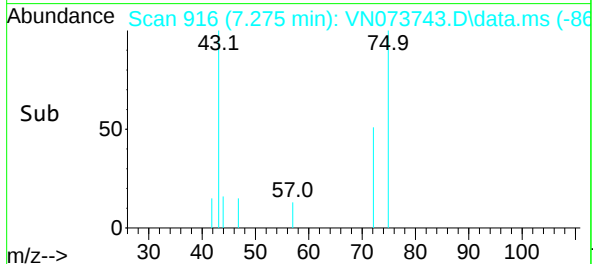
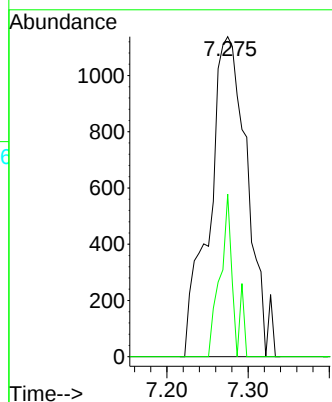
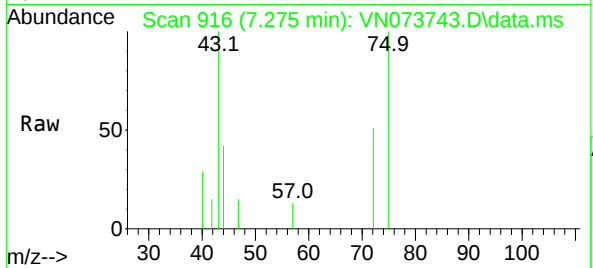




#25
2-Butanone
Concen: 0.821 ug/l
RT: 7.275 min Scan# 913
Delta R.T. 0.018 min
Lab File: VN073743.D
Acq: 04 Aug 2022 17:58

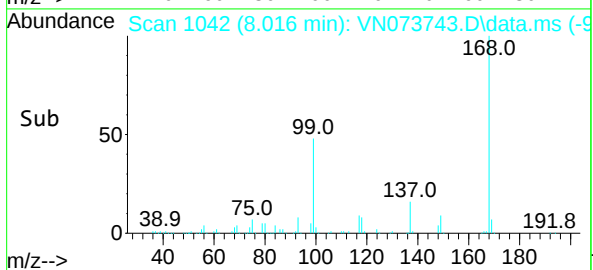
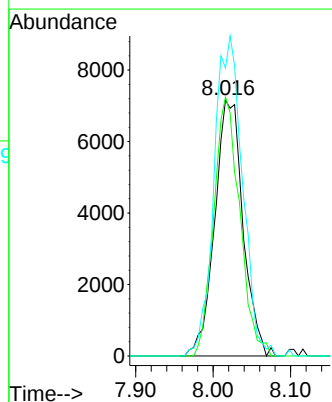
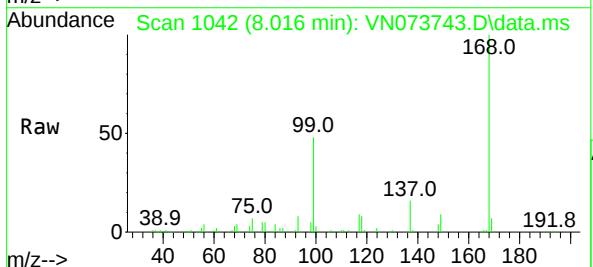
Instrument :
MSVOA_N
ClientSampleId :
MID0822

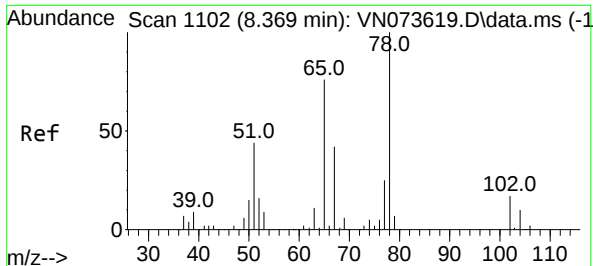
Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
72 50.8 23.7 35.5#



#31
Cyclohexane
Concen: 2.266 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073743.D
Acq: 04 Aug 2022 17:58

Tgt Ion: 56 Resp: 18156
Ion Ratio Lower Upper
56 100
69 101.3 27.8 41.8#
84 112.5 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.957 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073743.D

Acq: 04 Aug 2022 17:58

Instrument :

MSVOA_N

ClientSampleId :

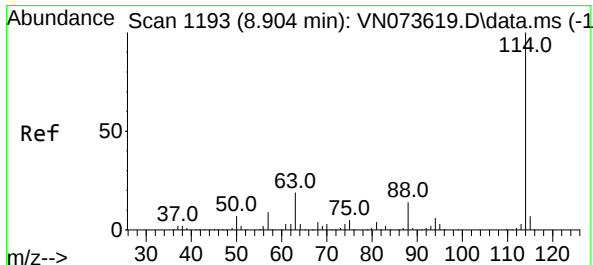
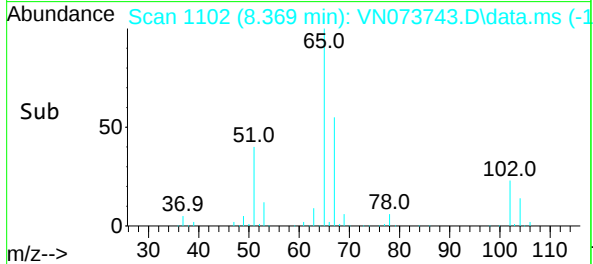
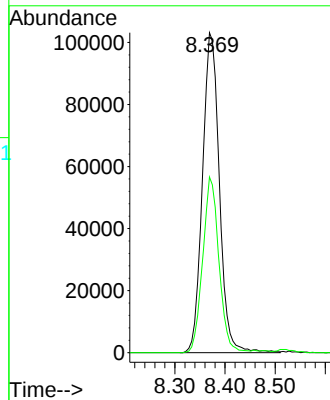
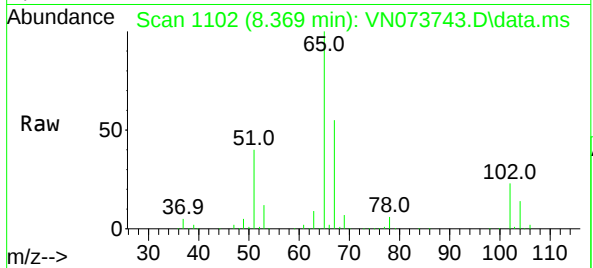
MID0822

Tgt Ion: 65 Resp: 241911

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073743.D

Acq: 04 Aug 2022 17:58

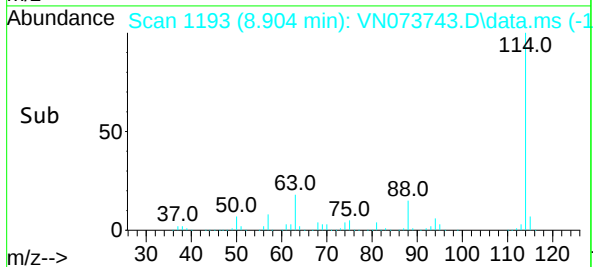
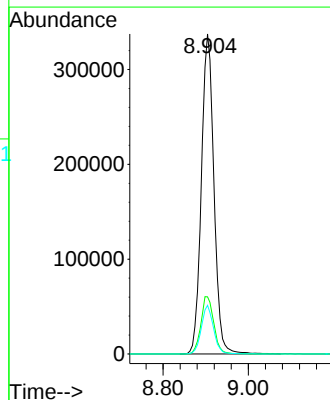
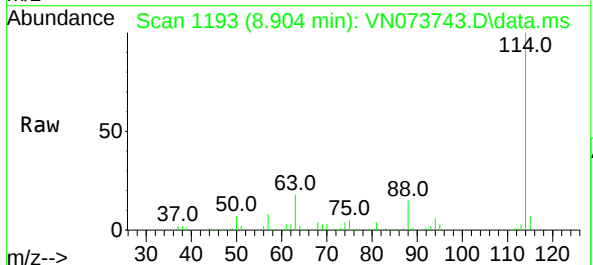
Tgt Ion: 114 Resp: 691635

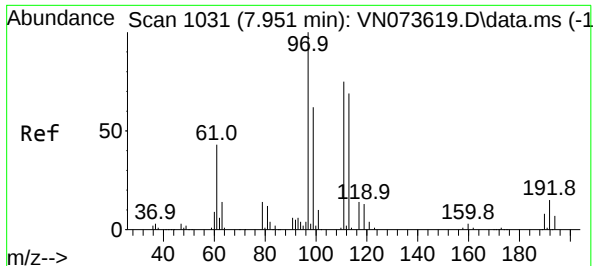
Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.809 ug/l

RT: 7.951 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VN073743.D

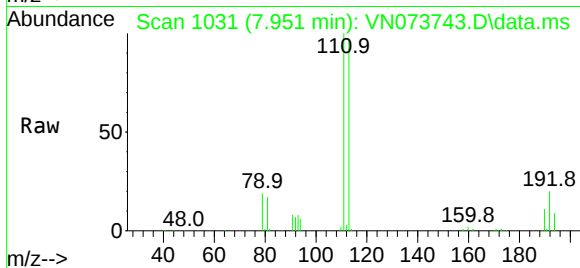
Acq: 04 Aug 2022 17:58

Instrument :

MSVOA_N

ClientSampleId :

MID0822



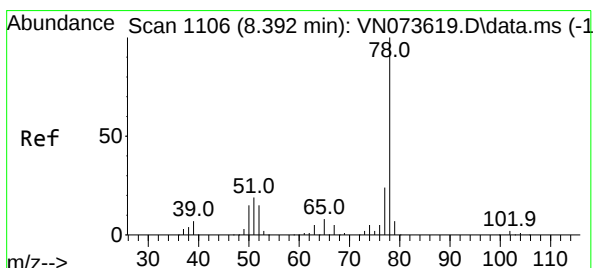
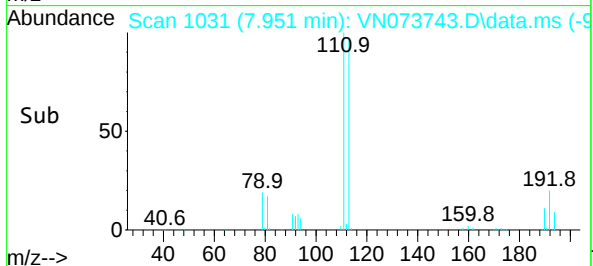
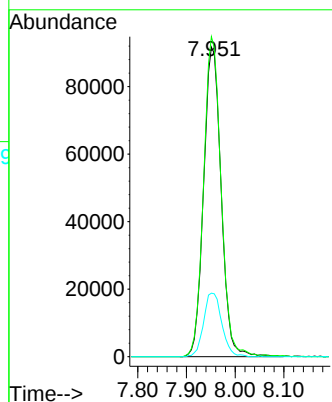
Tgt Ion:113 Resp: 229349

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 21.3 17.0 25.6



#40

Benzene

Concen: 2.136 ug/l

RT: 8.386 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN073743.D

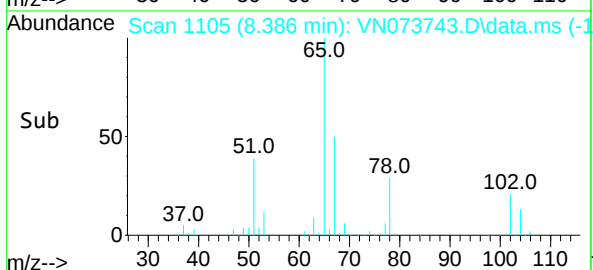
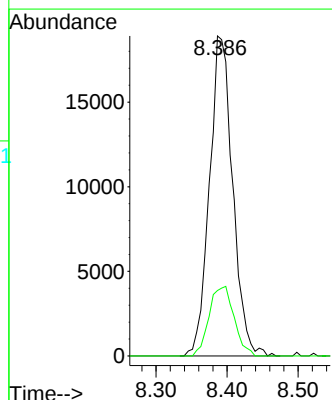
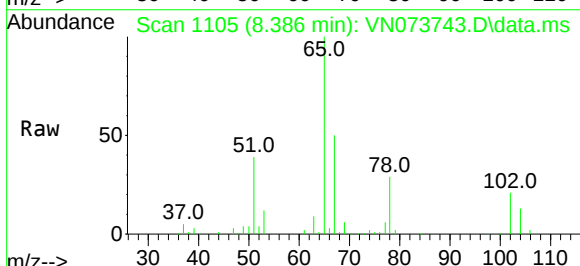
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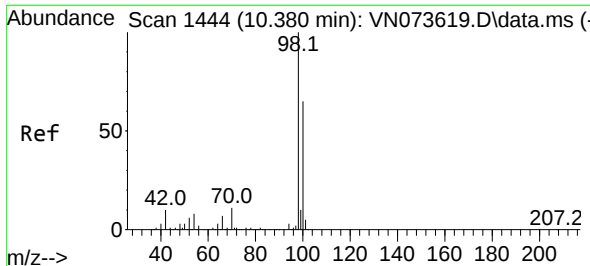
Tgt Ion: 78 Resp: 42937

Ion Ratio Lower Upper

78 100

77 20.4 19.4 29.0

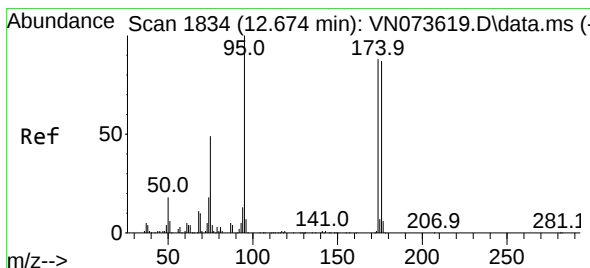
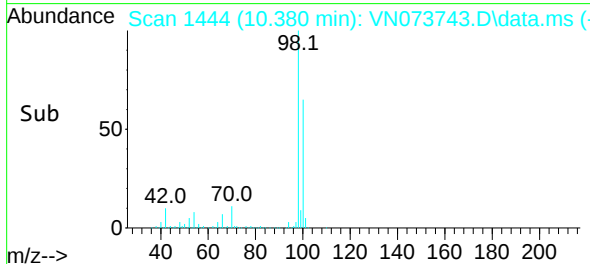
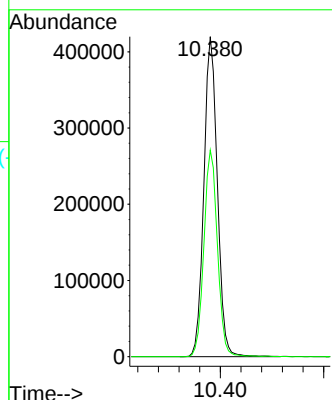
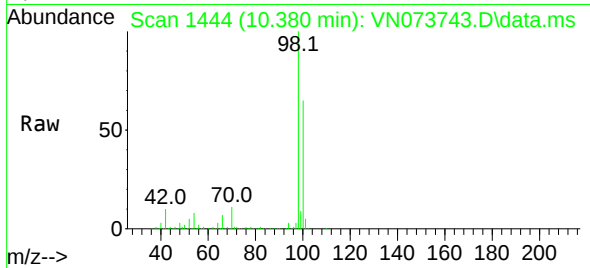




#50
Toluene-d8
Concen: 44.493 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073743.D
Acq: 04 Aug 2022 17:58

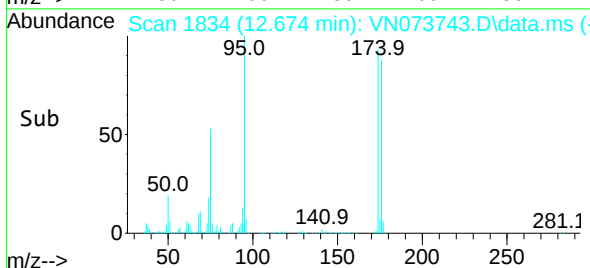
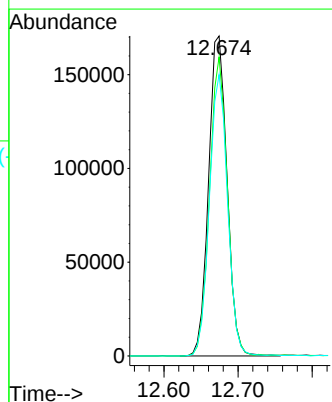
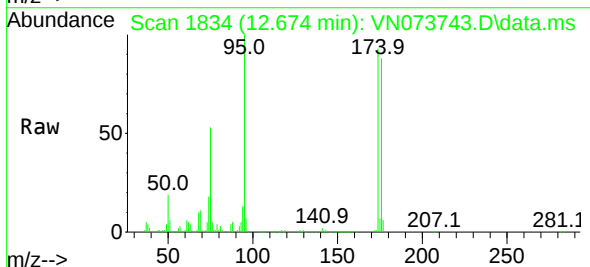
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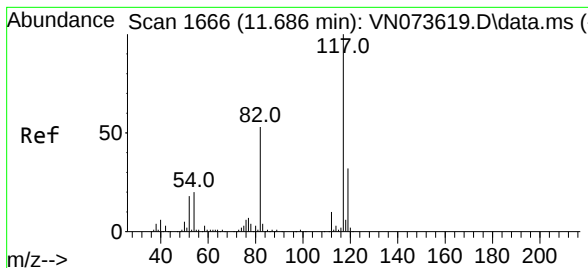
Tgt Ion: 98 Resp: 760398
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.521 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073743.D
Acq: 04 Aug 2022 17:58

Tgt Ion: 95 Resp: 295912
Ion Ratio Lower Upper
95 100
174 90.1 0.0 167.6
176 86.2 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073743.D

Acq: 04 Aug 2022 17:58

Instrument :

MSVOA_N

ClientSampleId :

MID0822

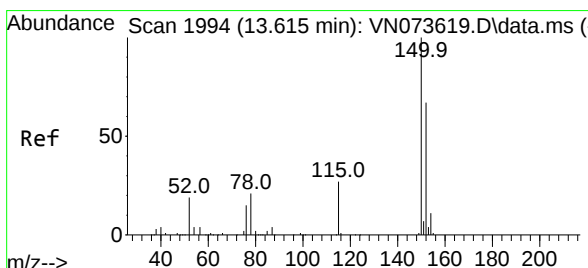
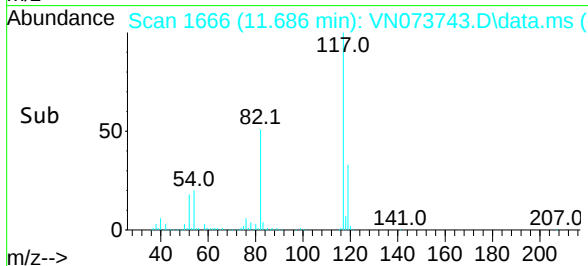
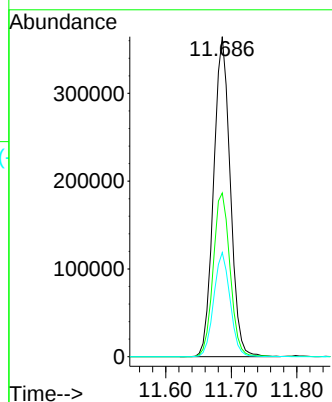
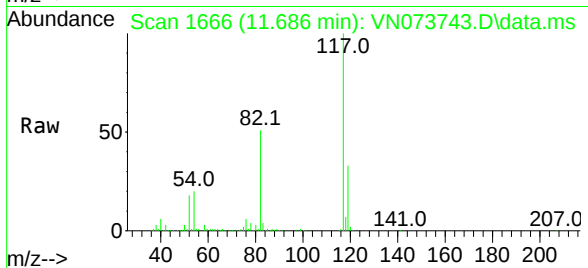
Tgt Ion:117 Resp: 641252

Ion Ratio Lower Upper

117 100

82 51.1 44.2 66.2

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN073743.D

Acq: 04 Aug 2022 17:58

Tgt Ion:152 Resp: 327875

Ion Ratio Lower Upper

152 100

115 55.3 28.9 86.7

150 156.5 0.0 356.2

