

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073693.D
 Acq On : 02 Aug 2022 17:39
 Operator : JC\MD
 Sample : N3971-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GES-1

Quant Time: Aug 03 02:09:06 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	355876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	565151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	547047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	255005	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	213435	49.213	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.420%
35) Dibromofluoromethane	7.951	113	197351	55.611	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.220%
50) Toluene-d8	10.381	98	647376	46.357	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.720%
62) 4-Bromofluorobenzene	12.675	95	239070	51.036	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.080%

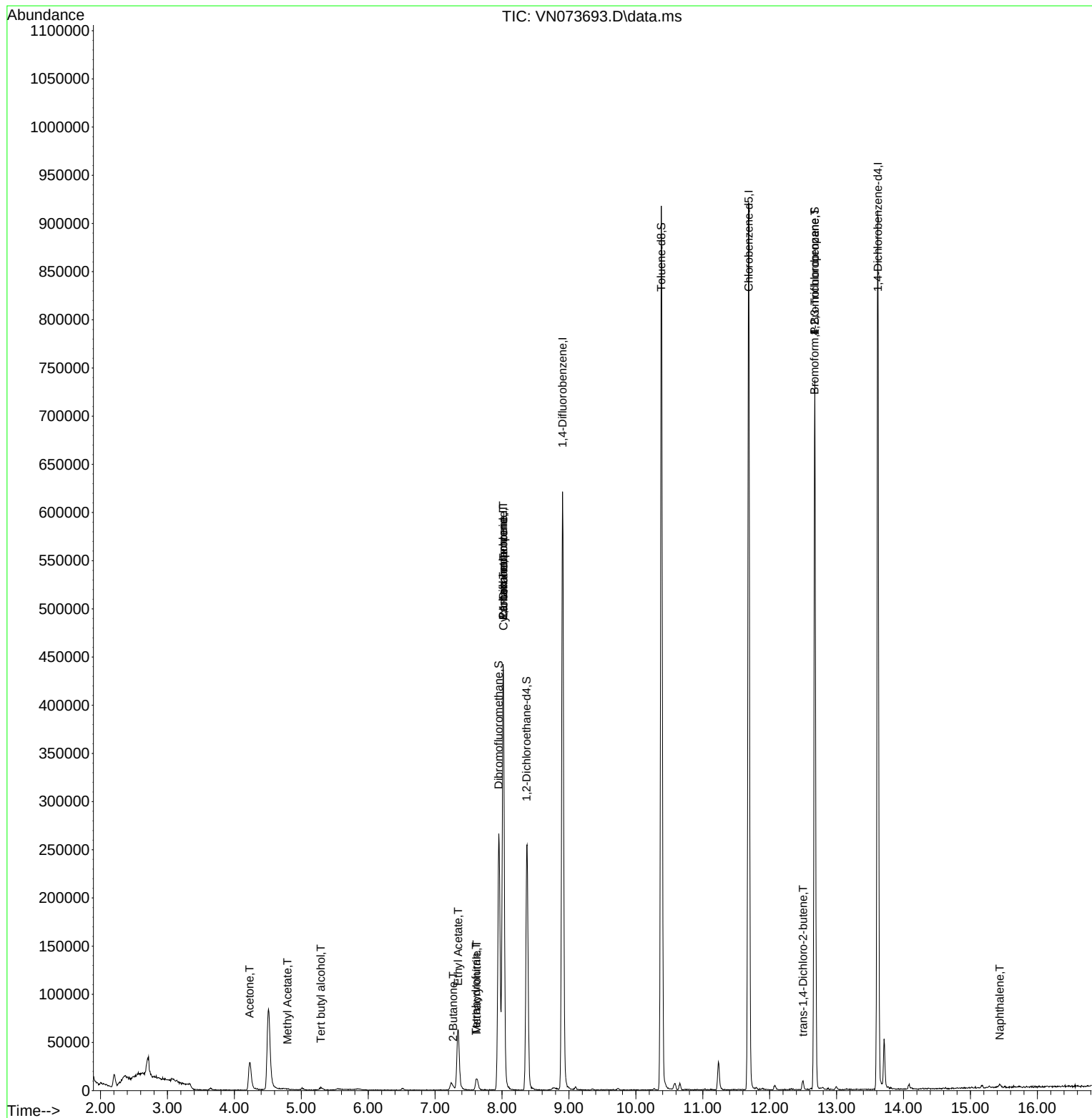
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.269	50	882	Below Cal		90
6) Chloroethane	2.928	64	1561	Below Cal	#	67
11) Tert butyl alcohol	5.293	59	4522	4.835	ug/l #	85
16) Acetone	4.228	43	53923	23.149	ug/l	92
18) Methyl Acetate	4.793	43	2077	0.358	ug/l #	53
20) Methylene Chloride	5.010	84	931	Below Cal	#	78
25) 2-Butanone	7.269	43	3977	1.099	ug/l #	83
29) Tetrahydrofuran	7.610	42	9571	4.185	ug/l	98
31) Cyclohexane	8.022	56	6870	1.064	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	26163	5.173	ug/l #	49
37) Ethyl Acetate	7.345	43	101376	15.219	ug/l	99
38) Carbon Tetrachloride	8.016	117	33898	6.599	ug/l #	17
41) Methacrylonitrile	7.622	41	6291	2.087	ug/l #	36
71) Bromoform	12.669	173	1584	0.460	ug/l #	28
76) 1,2,3-Trichloropropane	12.675	75	123905	24.906	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.498	75	5390	2.739	ug/l #	10
95) Naphthalene	15.439	128	4128	0.285	ug/l #	77

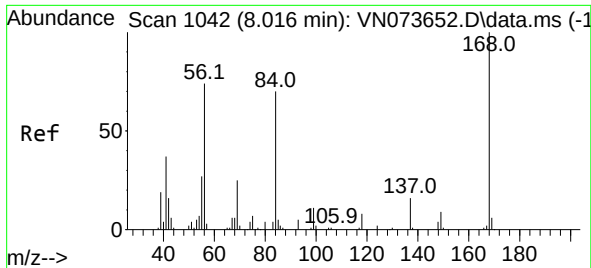
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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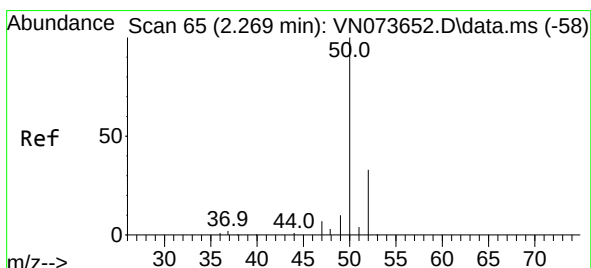
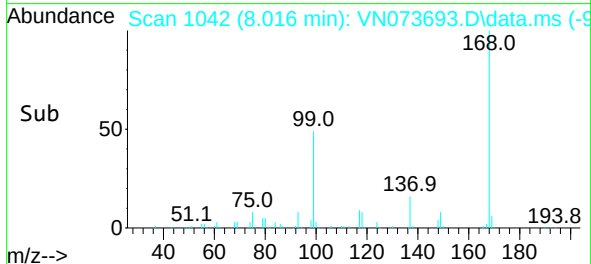
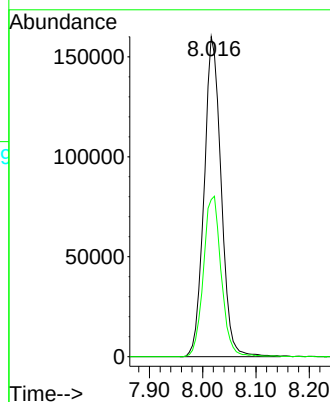
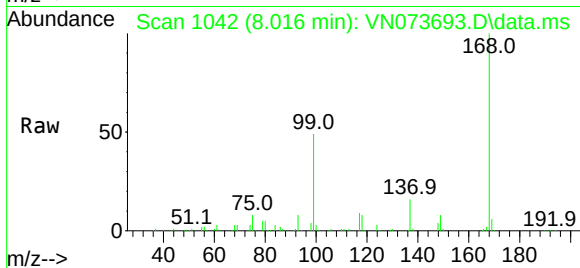




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

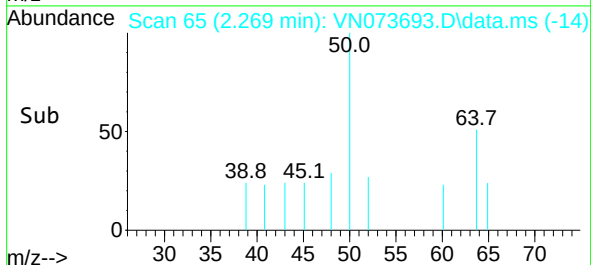
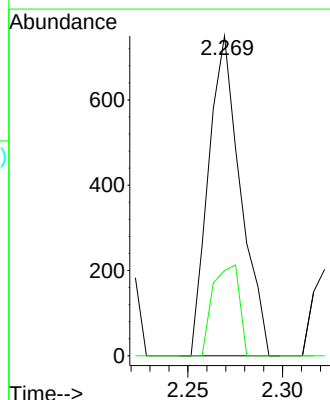
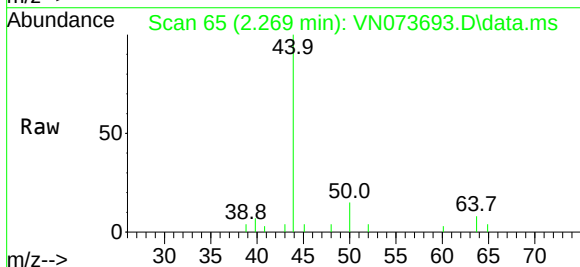
Instrument :
MSVOA_N
ClientSampleId :
GES-1

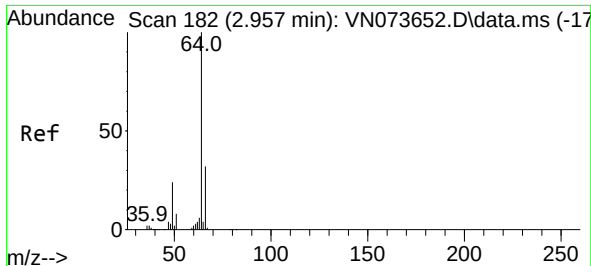
Tgt Ion:168 Resp: 355876
Ion Ratio Lower Upper
168 100
99 49.1 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Tgt Ion: 50 Resp: 882
Ion Ratio Lower Upper
50 100
52 26.7 25.7 38.5

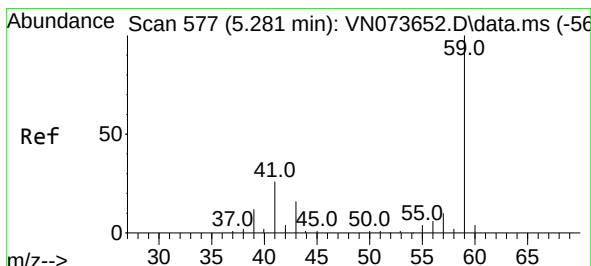
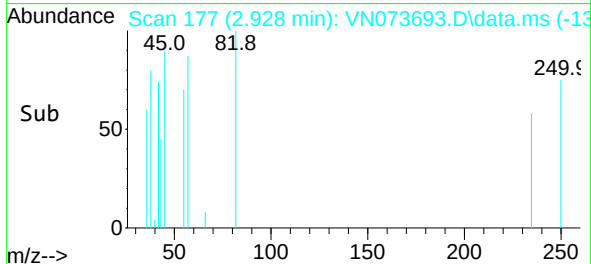
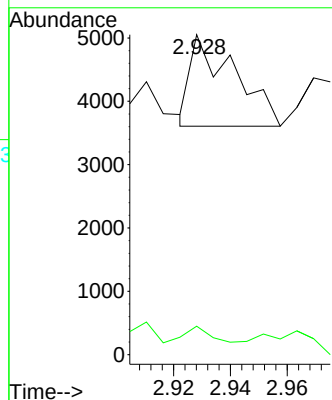
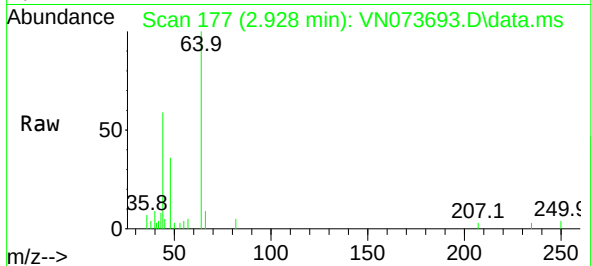




#6
Chloroethane
Concen: Below Cal
RT: 2.928 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

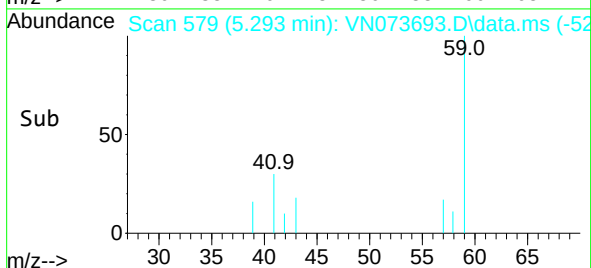
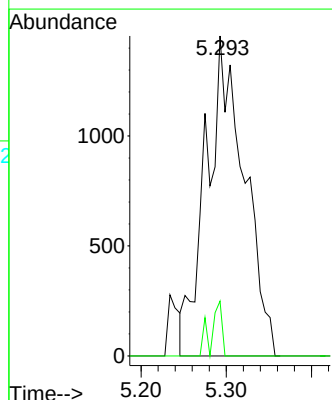
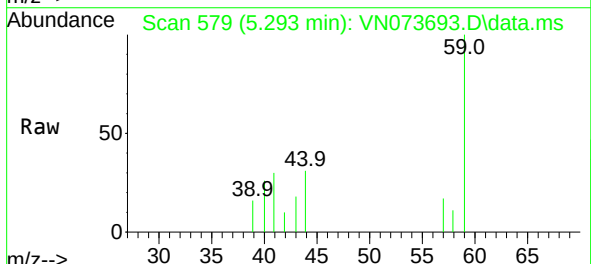
Instrument :
MSVOA_N
ClientSampleId :
GES-1

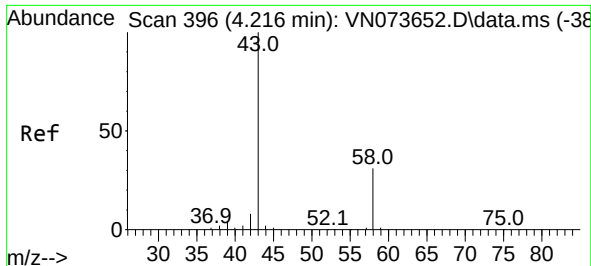
Tgt Ion: 64 Resp: 1561
Ion Ratio Lower Upper
64 100
66 14.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.835 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Tgt Ion: 59 Resp: 4522
Ion Ratio Lower Upper
59 100
57 4.8 8.3 12.5#





#16

Acetone

Concen: 23.149 ug/l

RT: 4.228 min Scan# 396

Delta R.T. 0.006 min

Lab File: VN073693.D

Acq: 02 Aug 2022 17:39

Instrument :

MSVOA_N

ClientSampleId :

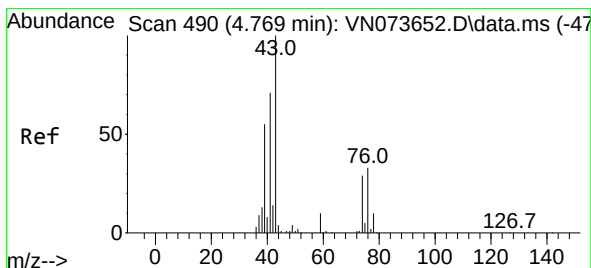
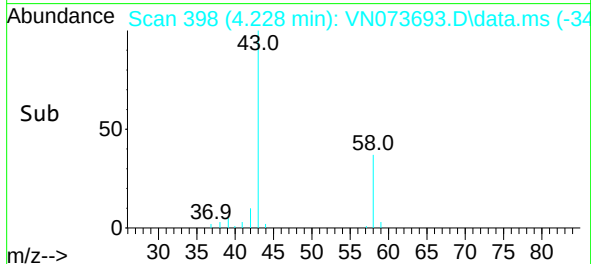
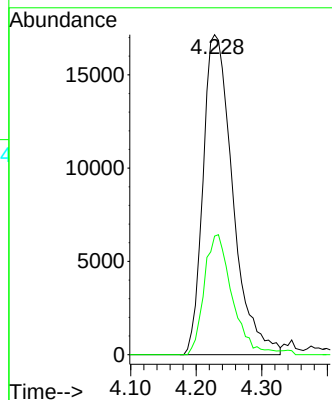
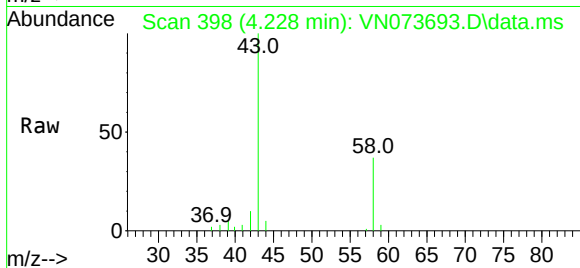
GES-1

Tgt Ion: 43 Resp: 53923

Ion Ratio Lower Upper

43 100

58 37.0 26.0 39.0



#18

Methyl Acetate

Concen: 0.358 ug/l

RT: 4.793 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN073693.D

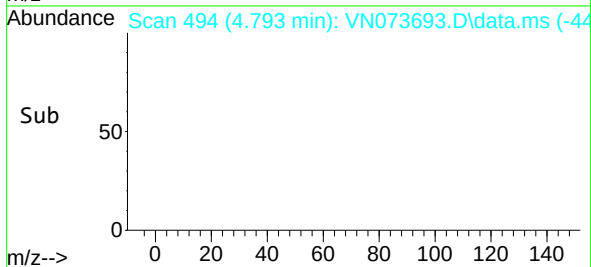
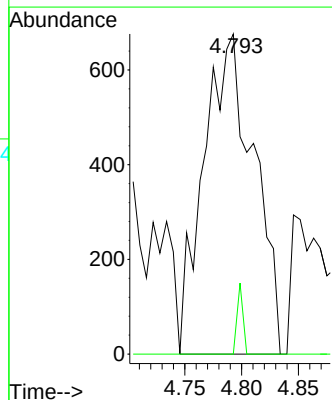
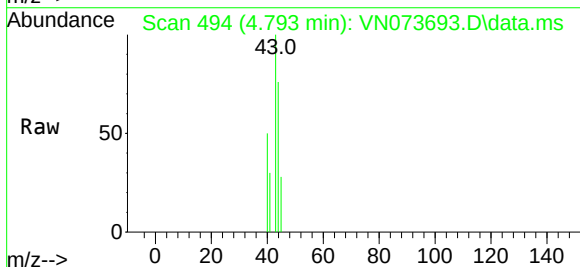
Acq: 02 Aug 2022 17:39

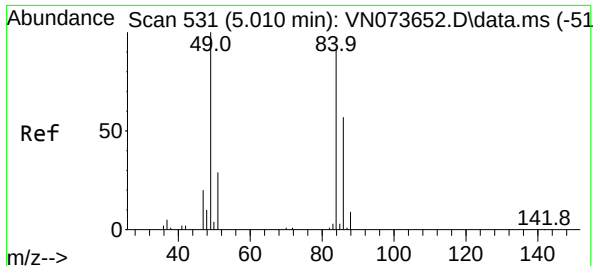
Tgt Ion: 43 Resp: 2077

Ion Ratio Lower Upper

43 100

74 2.6 21.6 32.4#



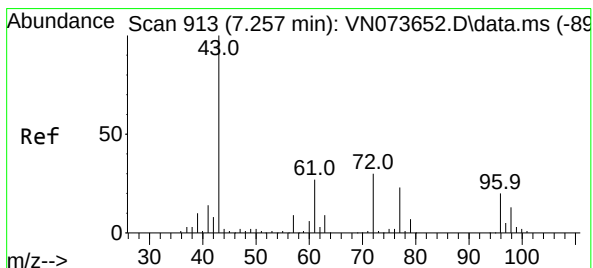
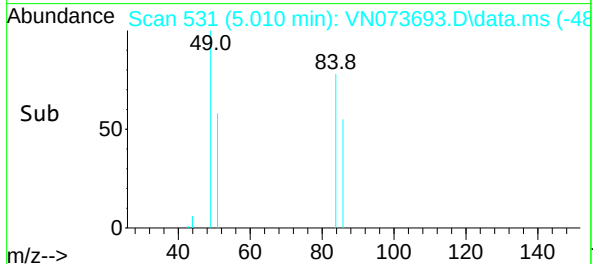
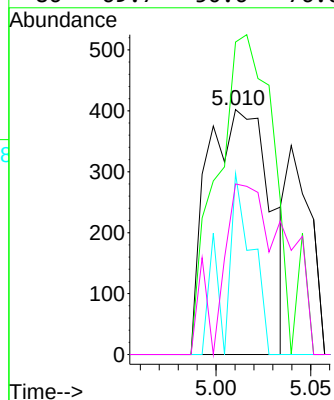
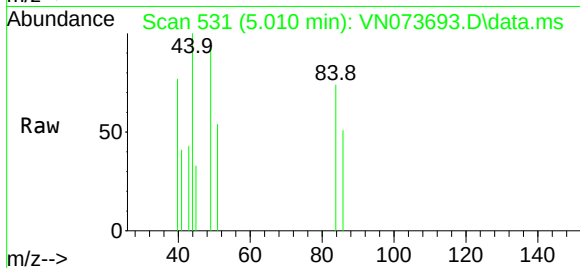


#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Instrument :
MSVOA_N
ClientSampleId :
GES-1

Tgt Ion: 84 Resp: 931

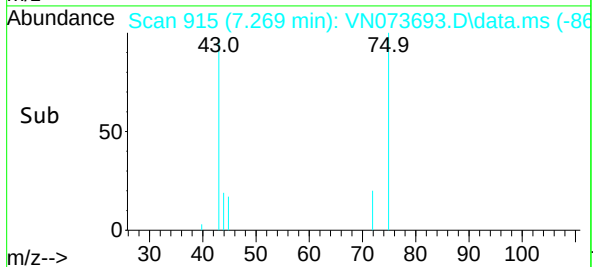
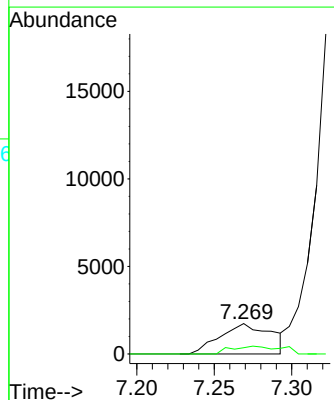
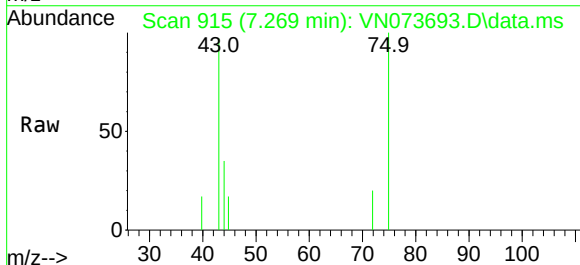
Ion	Ratio	Lower	Upper
84	100		
49	127.6	88.3	132.5
51	73.9	28.2	42.2#
86	69.7	50.6	76.0

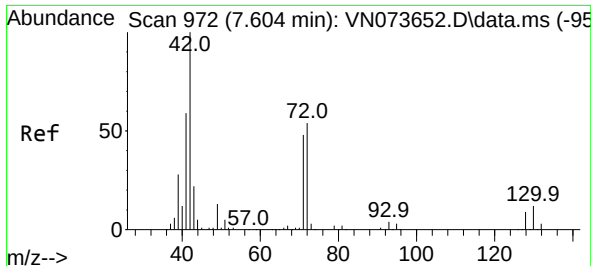


#25
2-Butanone
Concen: 1.099 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Tgt Ion: 43 Resp: 3977

Ion	Ratio	Lower	Upper
43	100		
72	20.4	23.7	35.5#





#29

Tetrahydrofuran

Concen: 4.185 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN073693.D

Acq: 02 Aug 2022 17:39

Instrument :

MSVOA_N

ClientSampleId :

GES-1

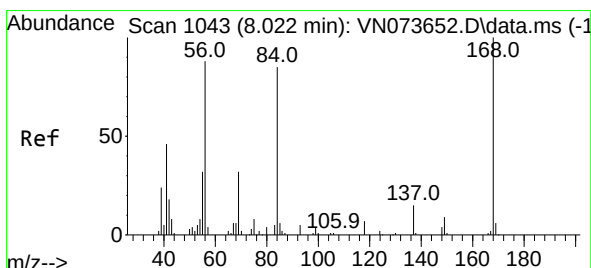
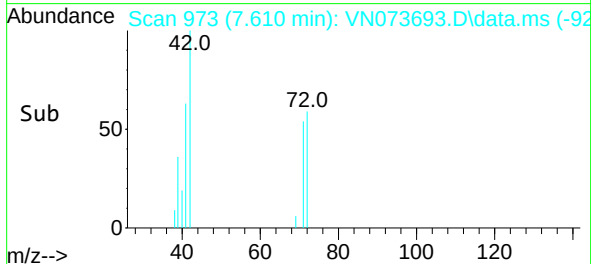
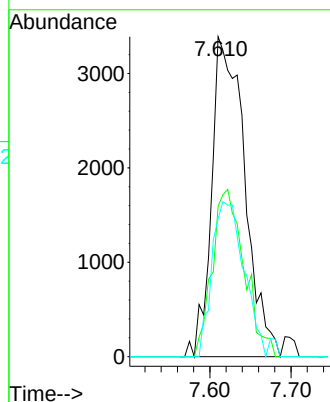
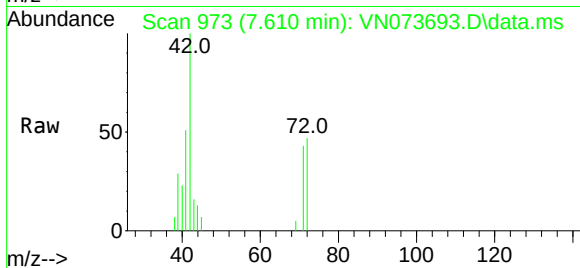
Tgt Ion: 42 Resp: 9571

Ion Ratio Lower Upper

42 100

72 50.8 39.7 59.5

71 46.9 36.6 55.0



#31

Cyclohexane

Concen: 1.064 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN073693.D

Acq: 02 Aug 2022 17:39

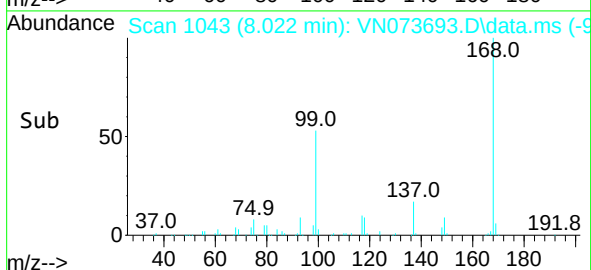
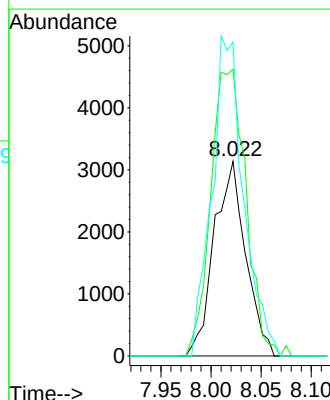
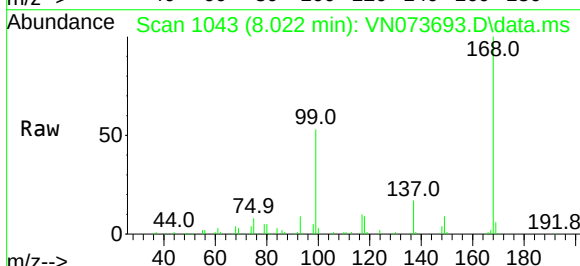
Tgt Ion: 56 Resp: 6870

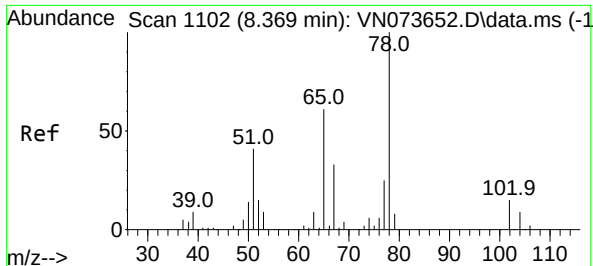
Ion Ratio Lower Upper

56 100

69 147.5 27.8 41.8#

84 161.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.213 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073693.D

Acq: 02 Aug 2022 17:39

Instrument :

MSVOA_N

ClientSampleId :

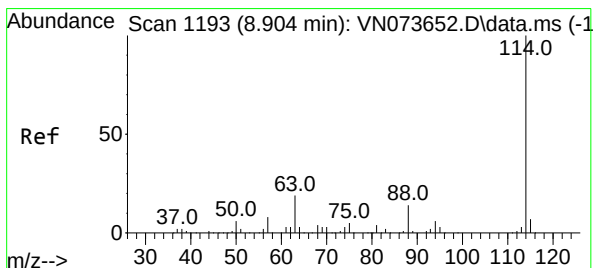
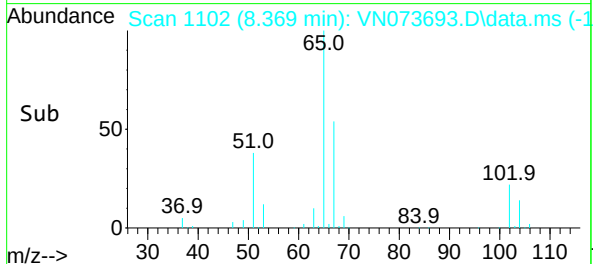
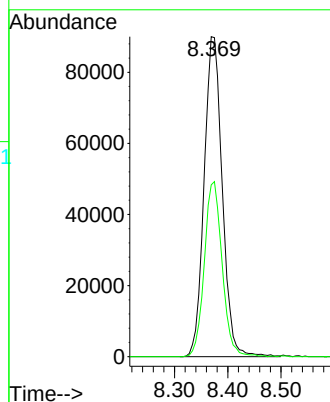
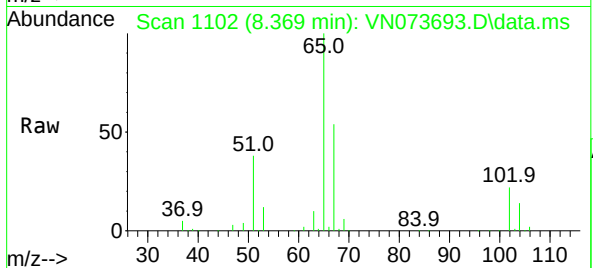
GES-1

Tgt Ion: 65 Resp: 213435

Ion Ratio Lower Upper

65 100

67 53.7 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: VN073693.D

Acq: 02 Aug 2022 17:39

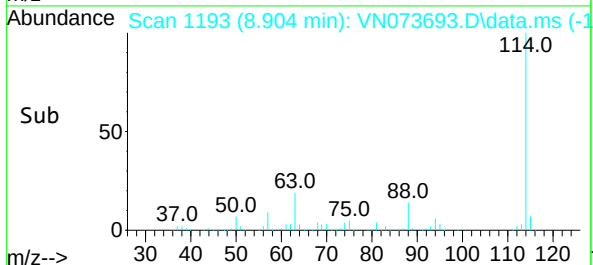
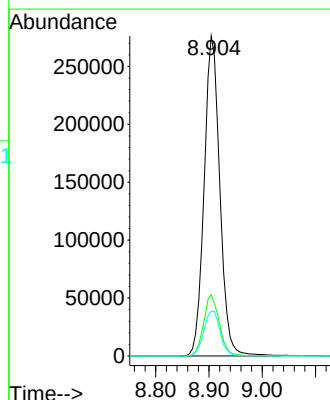
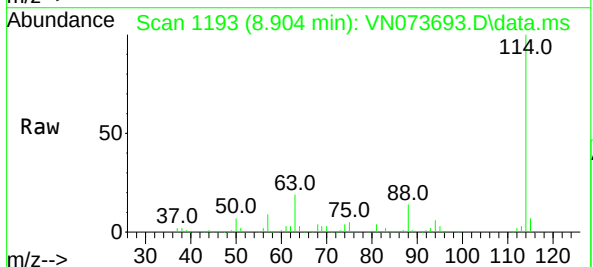
Tgt Ion: 114 Resp: 565151

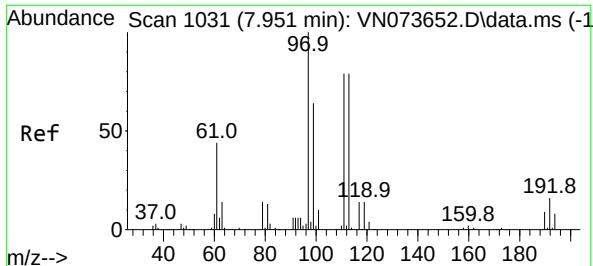
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

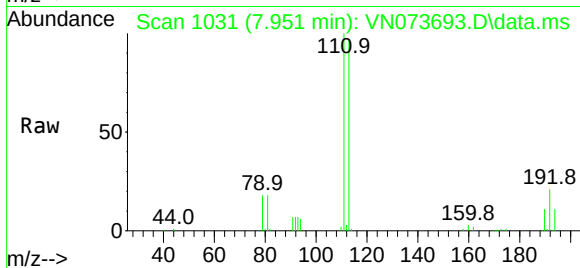
88 14.0 0.0 32.6



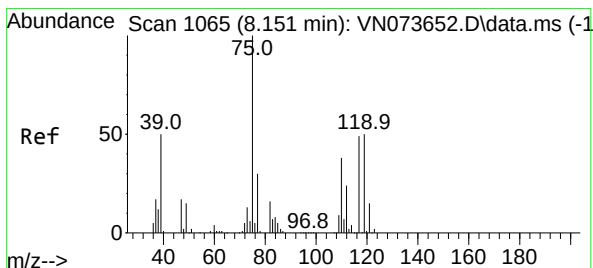
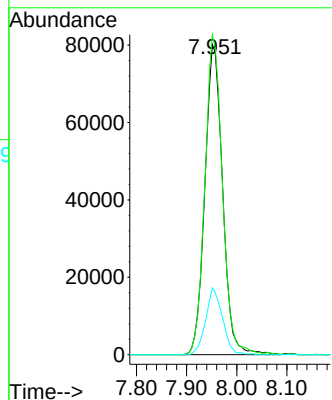
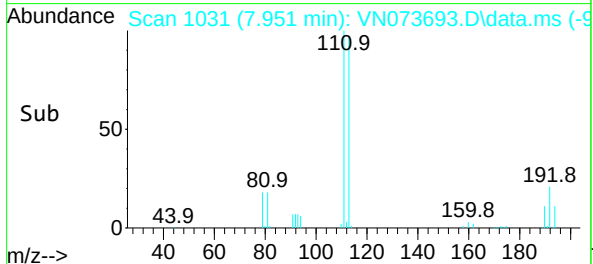


#35
Dibromofluoromethane
Concen: 55.611 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

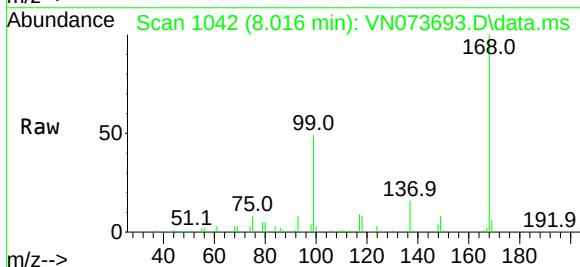
Instrument :
MSVOA_N
ClientSampleId :
GES-1



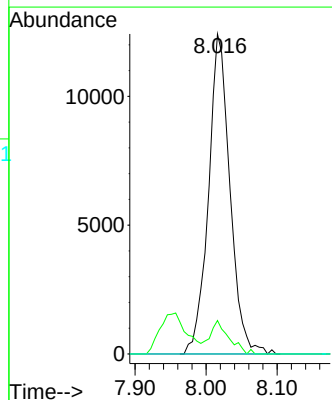
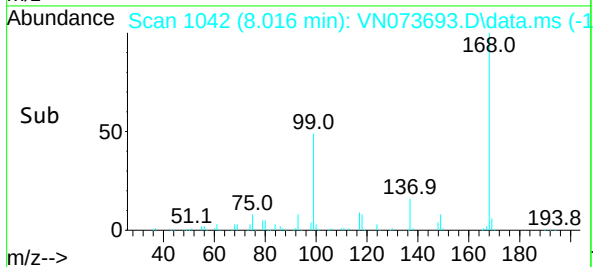
Tgt Ion:113 Resp: 197351
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 20.4 17.0 25.6

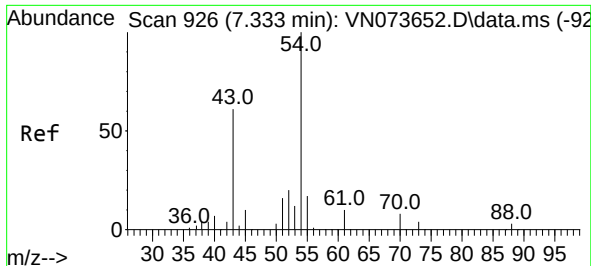


#36
1,1-Dichloropropene
Concen: 5.173 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39



Tgt Ion: 75 Resp: 26163
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#

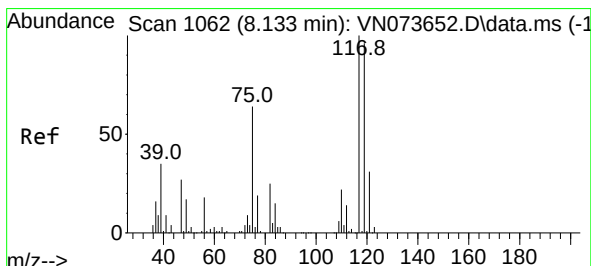
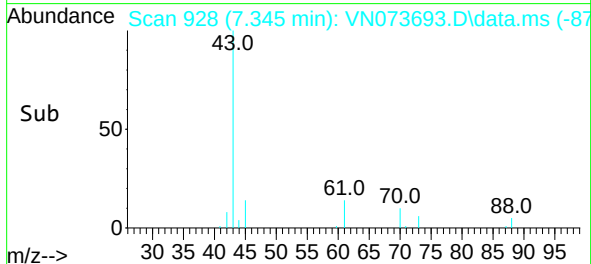
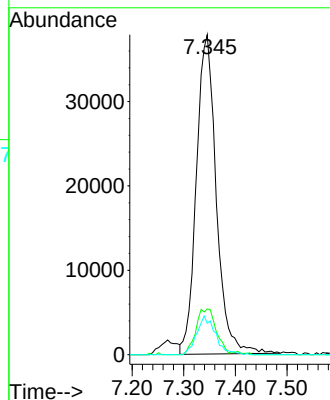
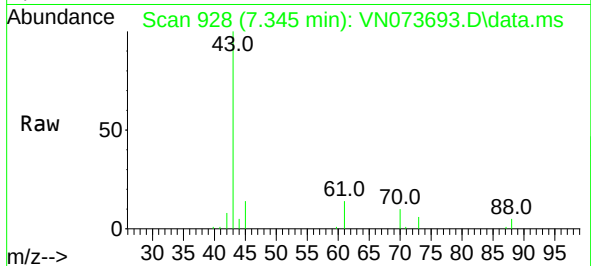




#37
Ethyl Acetate
Concen: 15.219 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

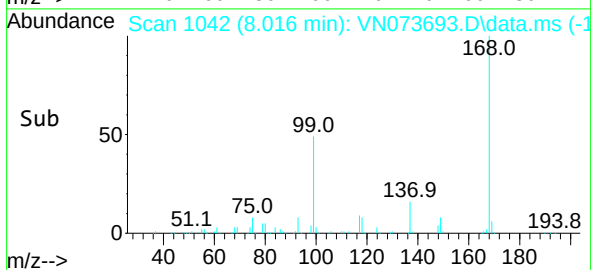
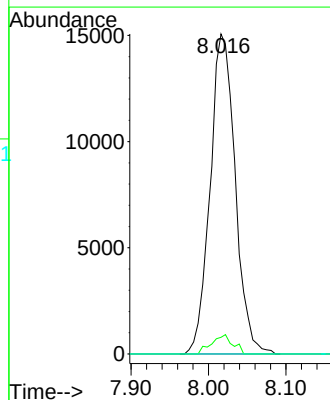
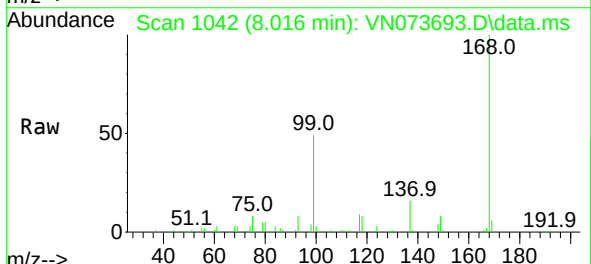
Instrument :
MSVOA_N
ClientSampleId :
GES-1

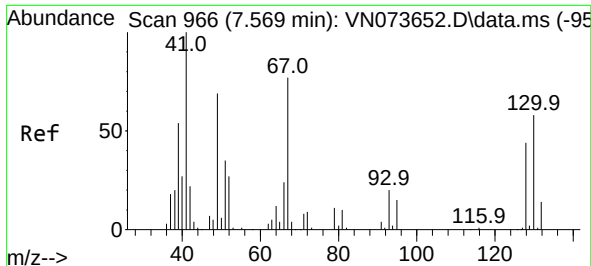
Tgt Ion: 43 Resp: 101376
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 11.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.599 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Tgt Ion: 117 Resp: 33898
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#

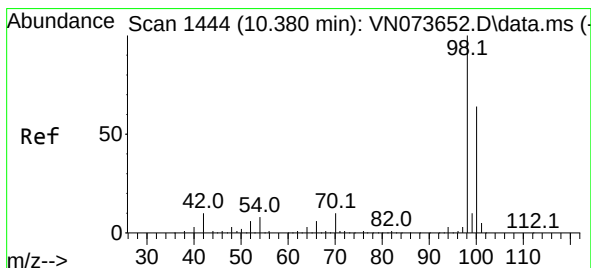
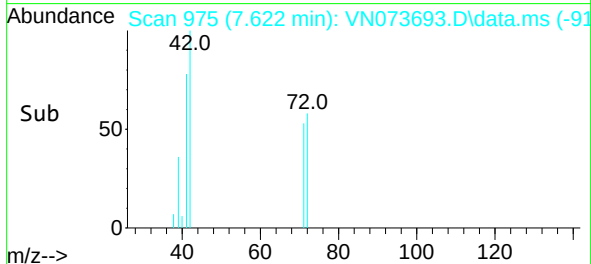
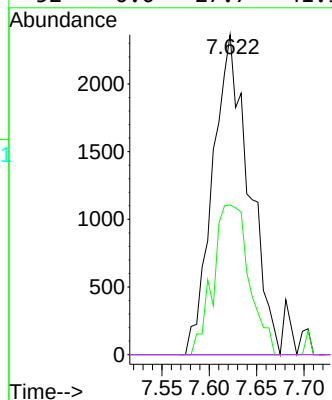
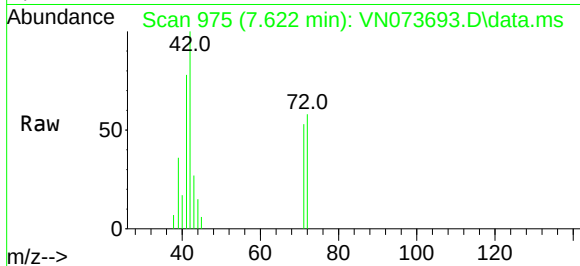




#41
Methacrylonitrile
Concen: 2.087 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

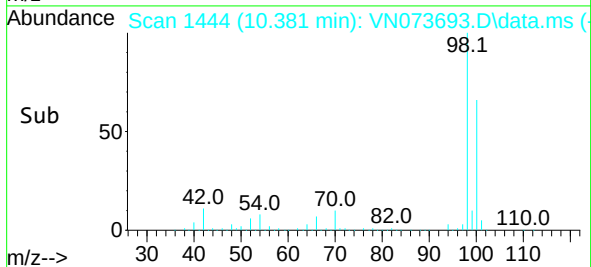
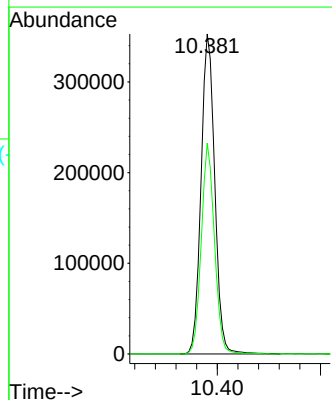
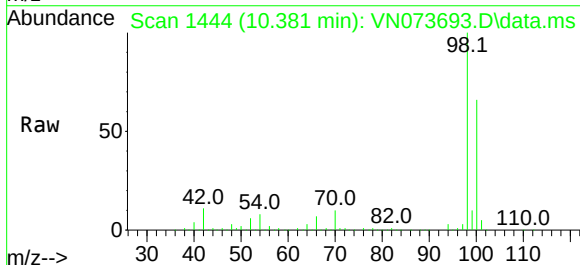
Instrument :
MSVOA_N
ClientSampleId :
GES-1

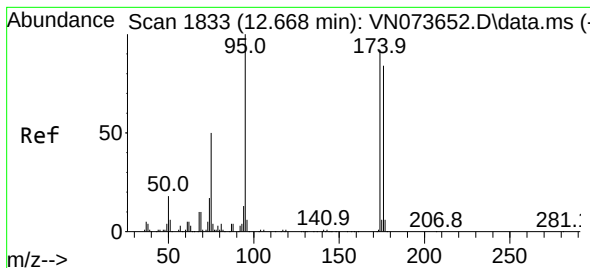
Tgt Ion: 41 Resp: 6291
Ion Ratio Lower Upper
41 100
39 46.4 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#50
Toluene-d8
Concen: 46.357 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Tgt Ion: 98 Resp: 647376
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8

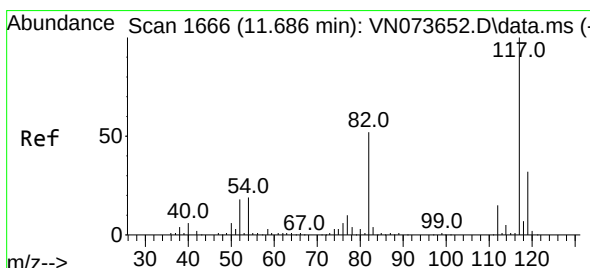
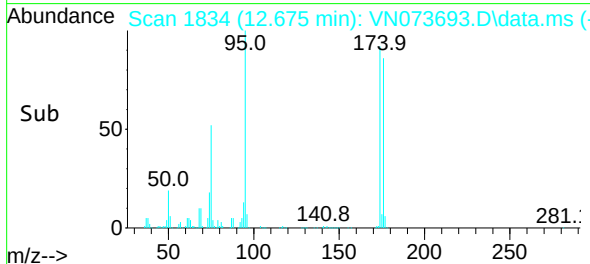
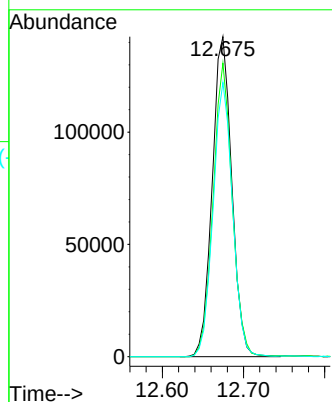
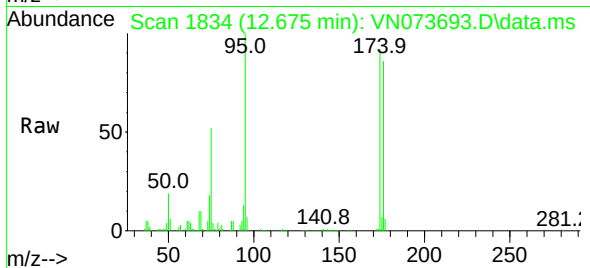




#62
4-Bromofluorobenzene
Concen: 51.036 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

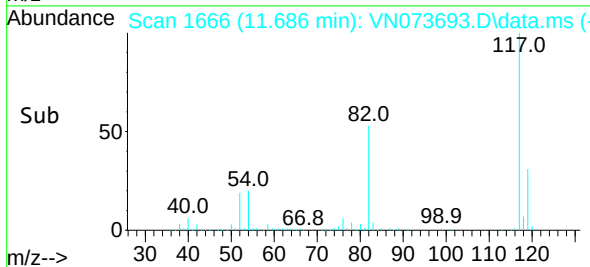
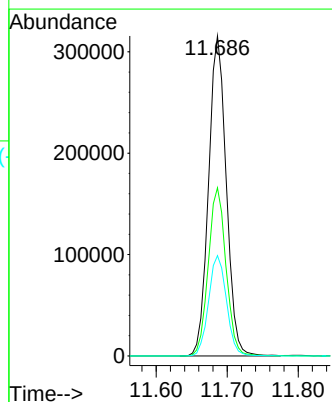
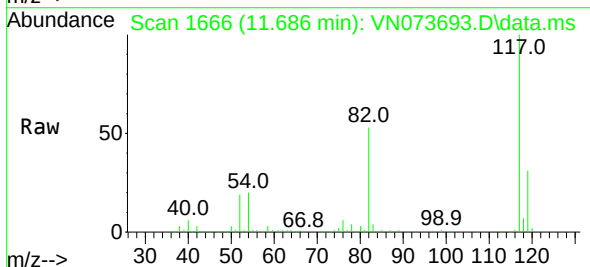
Instrument :
MSVOA_N
ClientSampleId :
GES-1

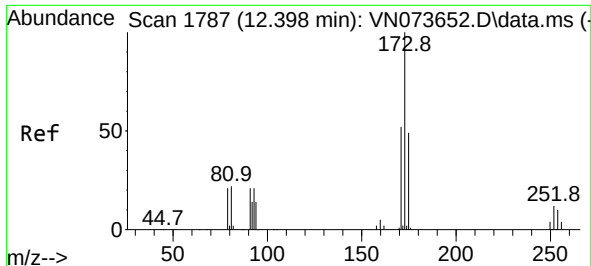
Tgt Ion: 95 Resp: 239070
Ion Ratio Lower Upper
95 100
174 89.5 0.0 167.6
176 85.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Tgt Ion: 117 Resp: 547047
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 31.4 25.4 38.0

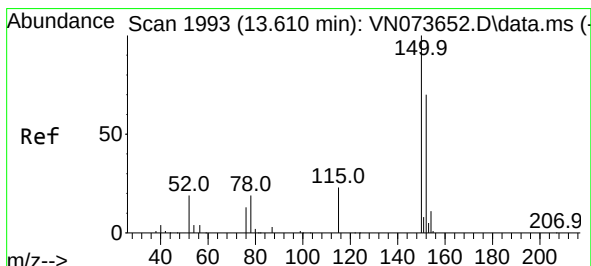
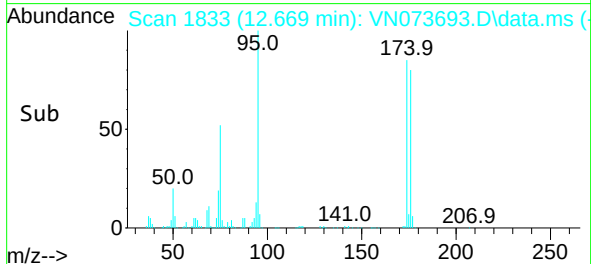
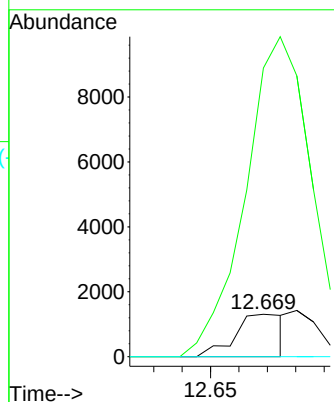
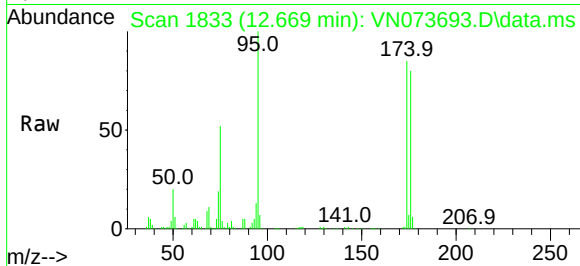




#71
Bromoform
Concen: 0.460 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

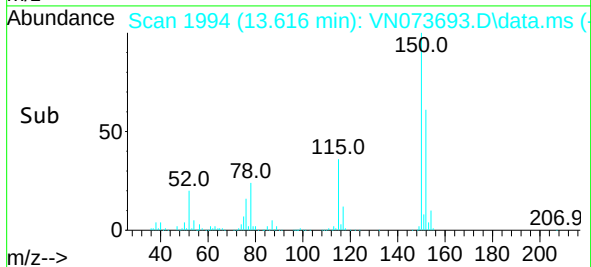
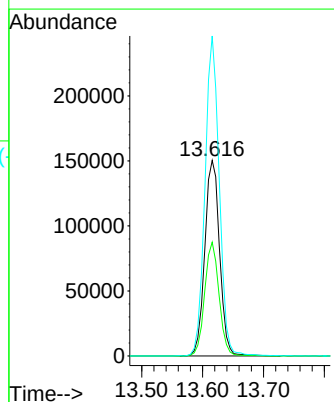
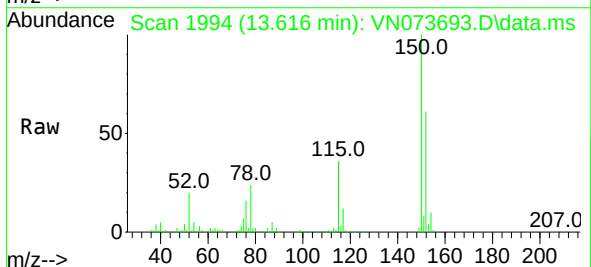
Instrument :
MSVOA_N
ClientSampleId :
GES-1

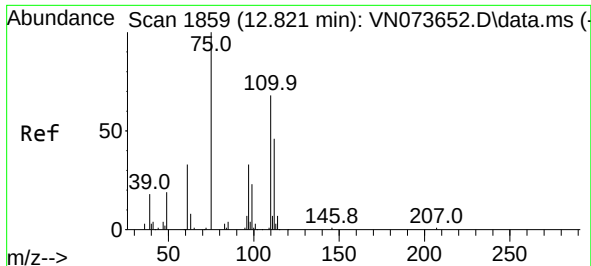
Tgt Ion:173 Resp: 1584
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

Tgt Ion:152 Resp: 255005
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 157.1 0.0 356.2

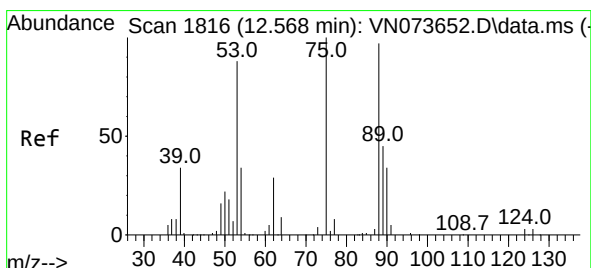
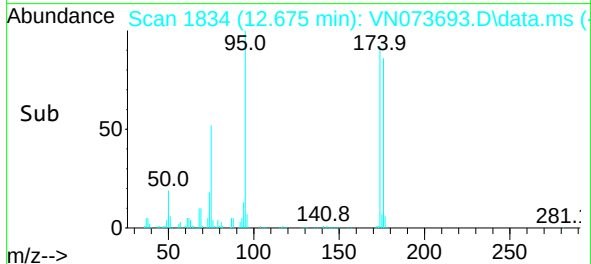
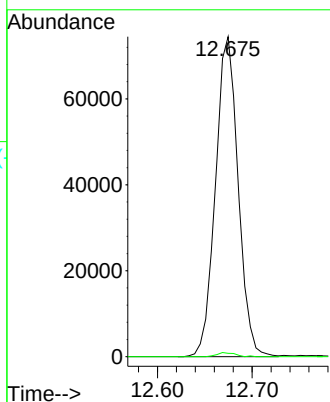
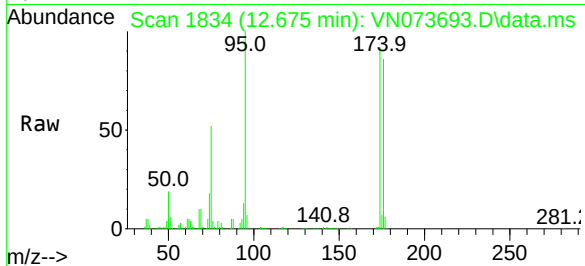




#76
1,2,3-Trichloropropane
Concen: 24.906 ug/l
RT: 12.675 min Scan# 11
Delta R.T. -0.146 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

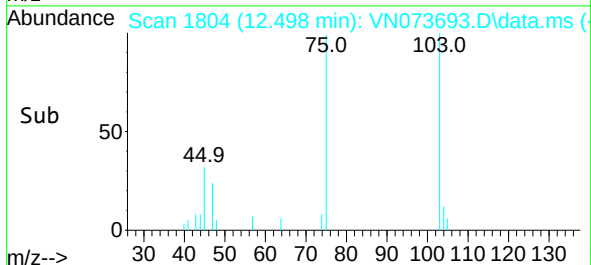
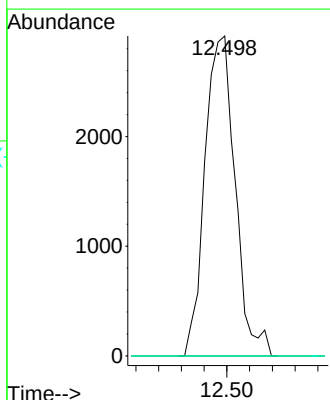
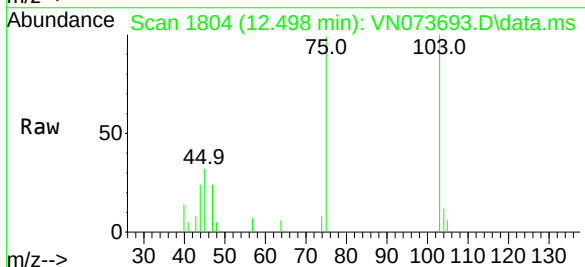
Instrument :
MSVOA_N
ClientSampleId :
GES-1

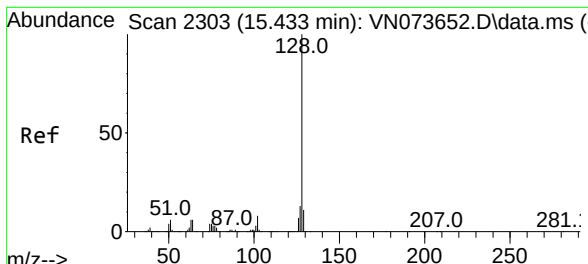
Tgt Ion: 75 Resp: 123905
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 2.739 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.070 min
Lab File: VN073693.D
Acq: 02 Aug 2022 17:39

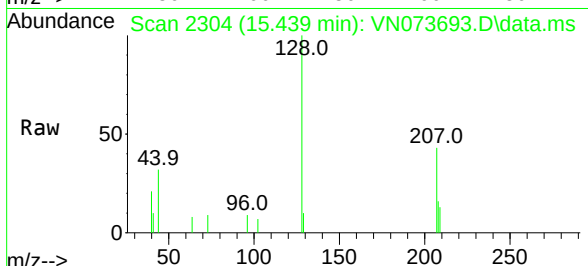
Tgt Ion: 75 Resp: 5390
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 0.285 ug/l
 RT: 15.439 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073693.D
 Acq: 02 Aug 2022 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 GES-1



Tgt Ion:	128	Resp:	4128
Ion	Ratio	Lower	Upper
128	100		
127	2.2	10.3	15.5#
129	4.1	8.6	13.0#

