

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073694.D
 Acq On : 02 Aug 2022 18:04
 Operator : JC\MD
 Sample : N3971-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GES-2R

Quant Time: Aug 03 02:09:28 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	342237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	558195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	533639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	250272	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	204828	49.111	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.220%
35) Dibromofluoromethane	7.957	113	193205	55.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.240%
50) Toluene-d8	10.380	98	632173	45.833	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.660%
62) 4-Bromofluorobenzene	12.674	95	234413	50.726	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.460%

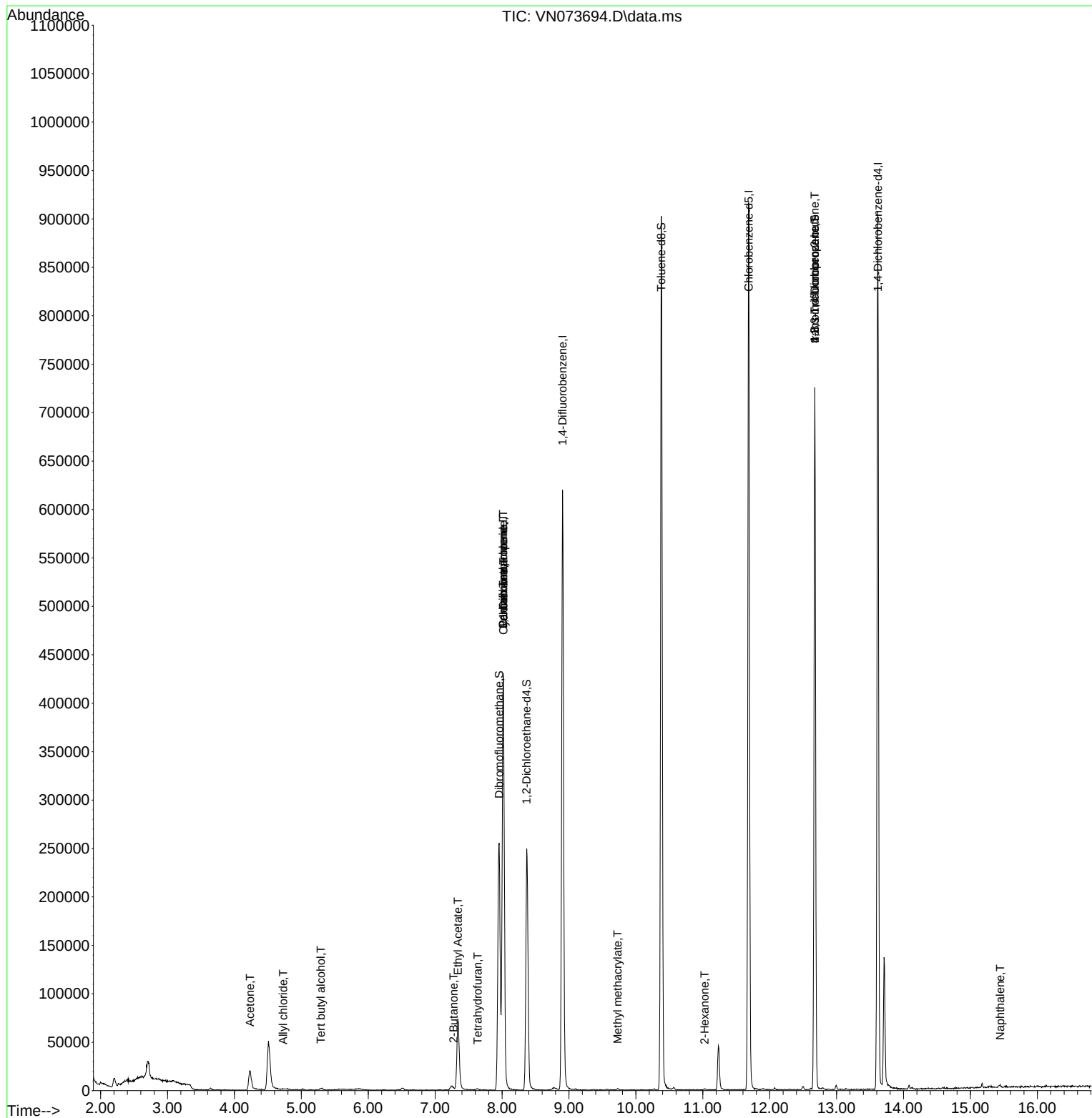
Target Compounds			Qvalue			
3) Chloromethane	2.269	50	896	Below Cal	#	73
6) Chloroethane	2.857	64	2631	Below Cal	#	45
11) Tert butyl alcohol	5.292	59	1970	2.190	ug/l #	72
14) Allyl chloride	4.728	41	1569	0.302	ug/l #	24
16) Acetone	4.234	43	37471	16.727	ug/l	94
20) Methylene Chloride	5.022	84	1029	Below Cal	#	73
25) 2-Butanone	7.275	43	3522	1.012	ug/l #	82
29) Tetrahydrofuran	7.633	42	1171	0.532	ug/l #	62
31) Cyclohexane	8.022	56	7195	1.159	ug/l #	11
36) 1,1-Dichloropropene	8.016	75	26144	5.233	ug/l #	48
37) Ethyl Acetate	7.339	43	111849	17.001	ug/l	99
38) Carbon Tetrachloride	8.016	117	33052	6.514	ug/l #	18
48) Methyl methacrylate	9.727	41	946	0.243	ug/l #	17
59) 2-Hexanone	11.027	43	1074	0.222	ug/l	76
76) 1,2,3-Trichloropropane	12.674	75	120647	24.682	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	120647	62.472	ug/l #	10
95) Naphthalene	15.445	128	2999	0.211	ug/l #	72

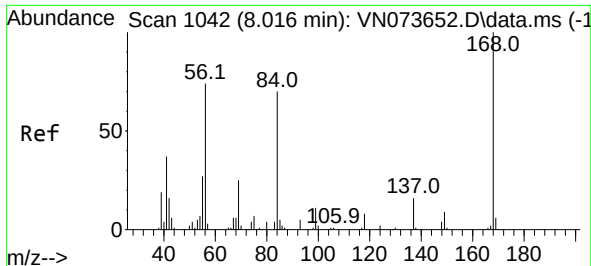
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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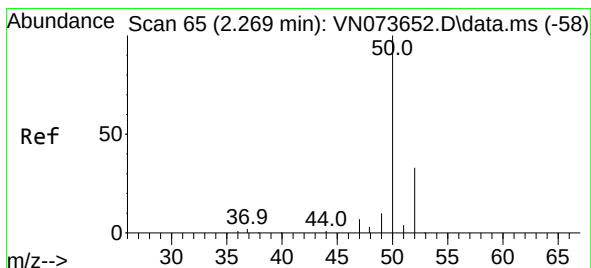
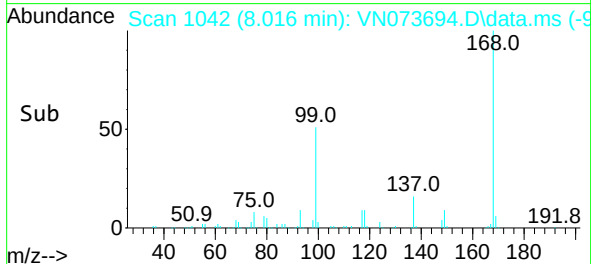
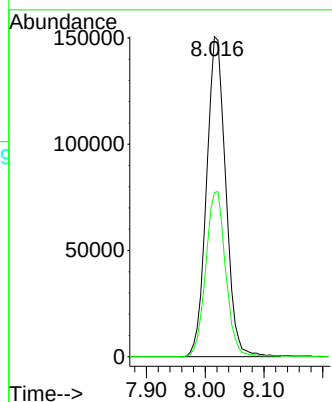
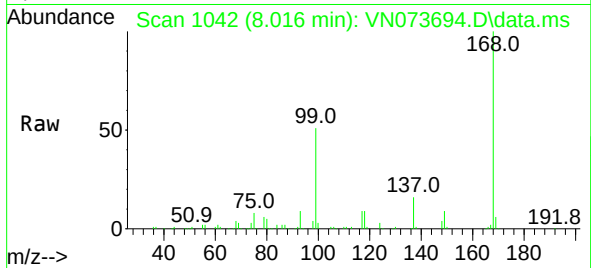




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

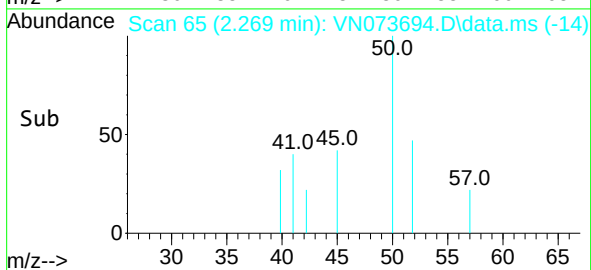
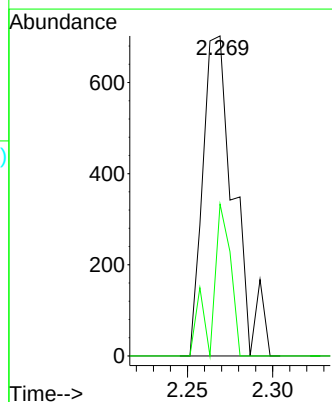
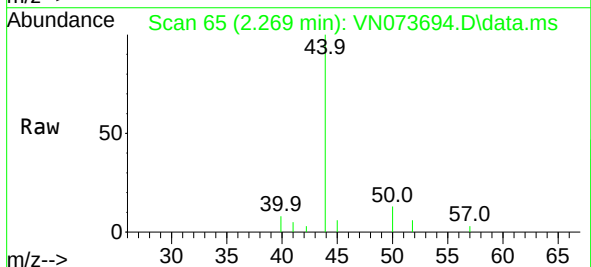
Instrument :
MSVOA_N
ClientSampleId :
GES-2R

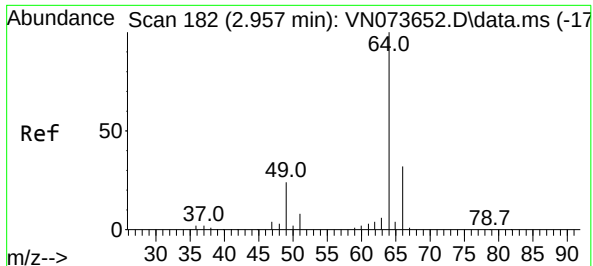
Tgt Ion:168 Resp: 342237
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Tgt Ion: 50 Resp: 896
Ion Ratio Lower Upper
50 100
52 47.4 25.7 38.5#

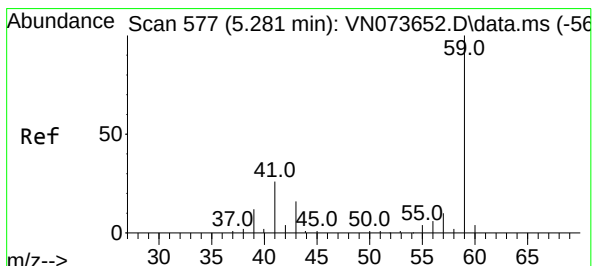
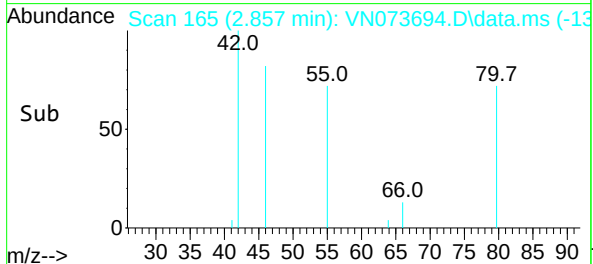
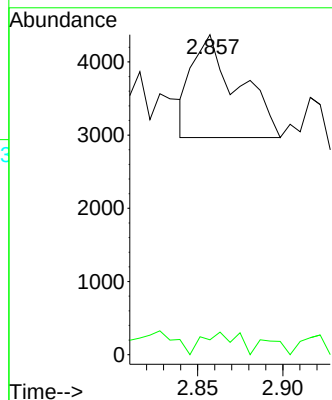
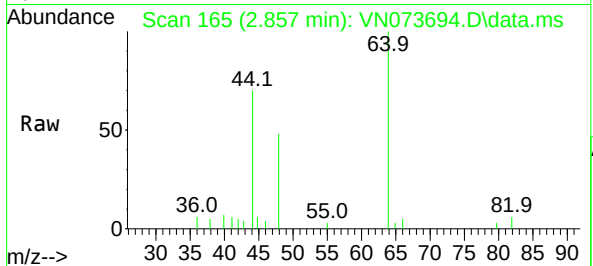




#6
Chloroethane
Concen: Below Cal
RT: 2.857 min Scan# 1
Delta R.T. -0.100 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

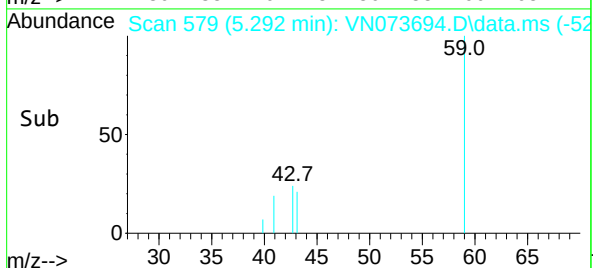
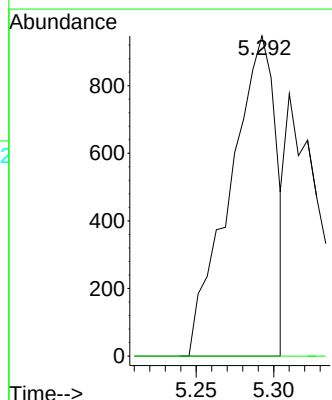
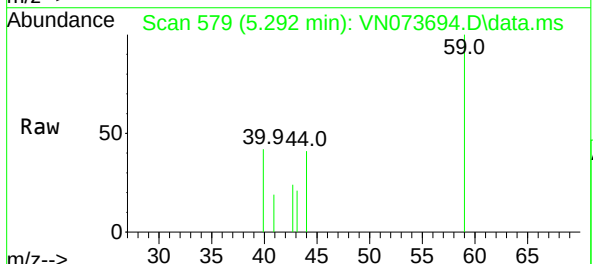
Instrument :
MSVOA_N
ClientSampleId :
GES-2R

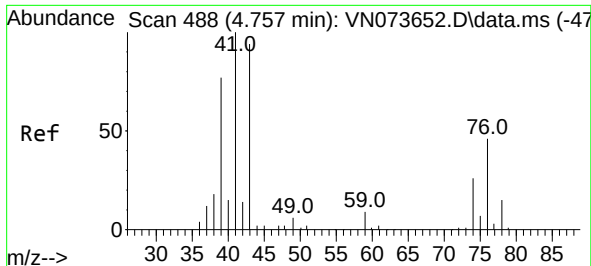
Tgt Ion: 64 Resp: 2631
Ion Ratio Lower Upper
64 100
66 1.6 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.190 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Tgt Ion: 59 Resp: 1970
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

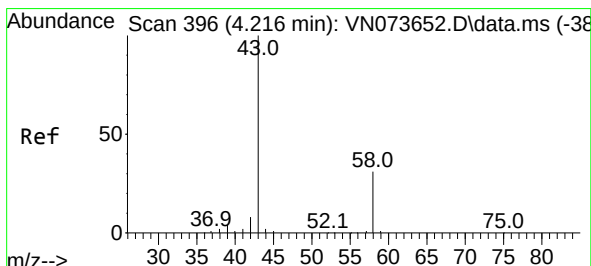
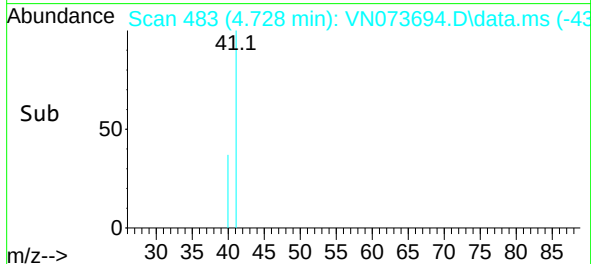
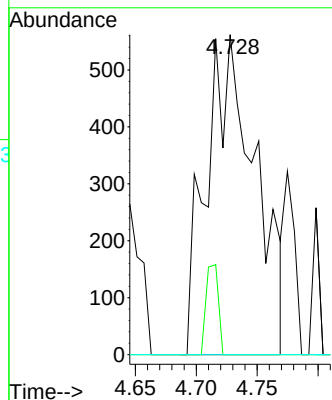
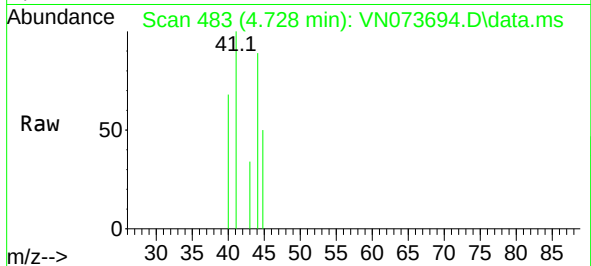




#14
 Allyl chloride
 Concen: 0.302 ug/l
 RT: 4.728 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VN073694.D
 Acq: 02 Aug 2022 18:04

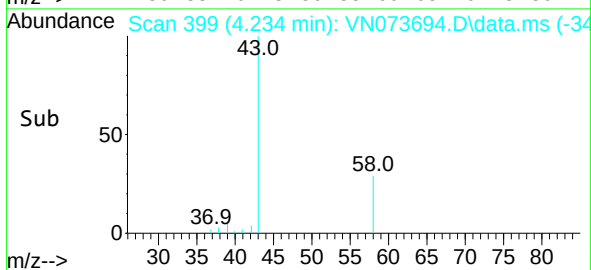
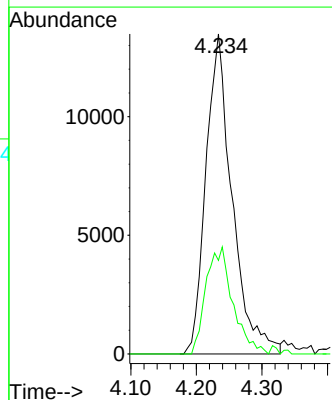
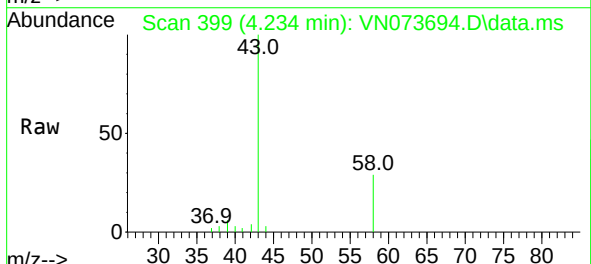
Instrument :
 MSVOA_N
 ClientSampleId :
 GES-2R

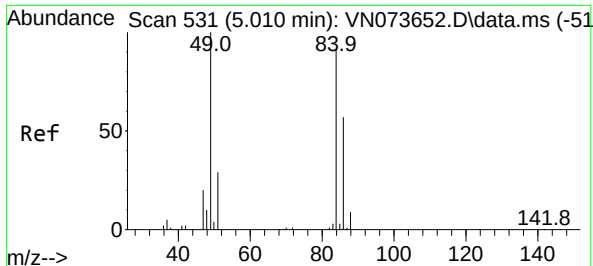
Tgt Ion: 41 Resp: 1569
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 16.727 ug/l
 RT: 4.234 min Scan# 399
 Delta R.T. 0.012 min
 Lab File: VN073694.D
 Acq: 02 Aug 2022 18:04

Tgt Ion: 43 Resp: 37471
 Ion Ratio Lower Upper
 43 100
 58 29.3 26.0 39.0

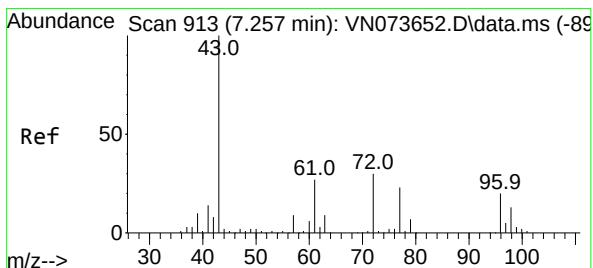
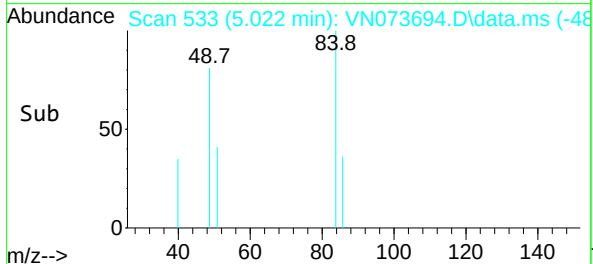
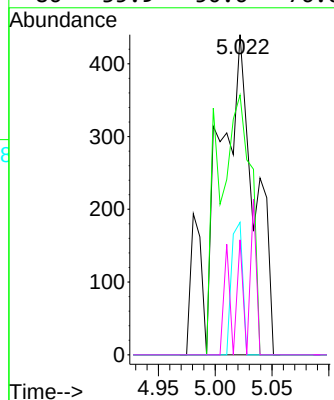
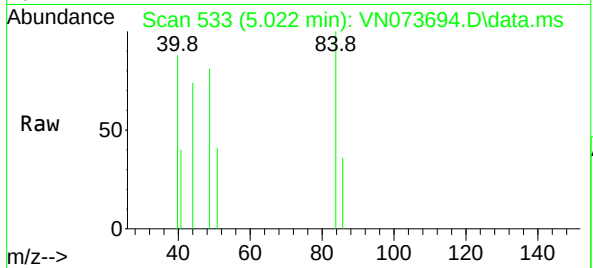




#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

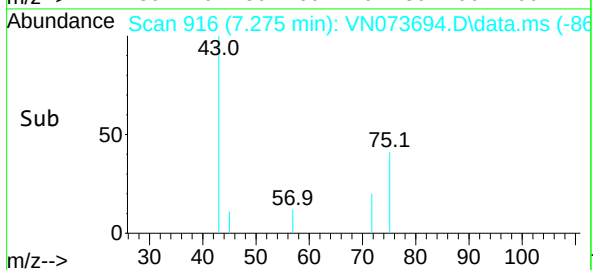
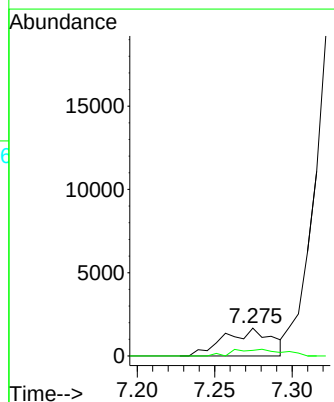
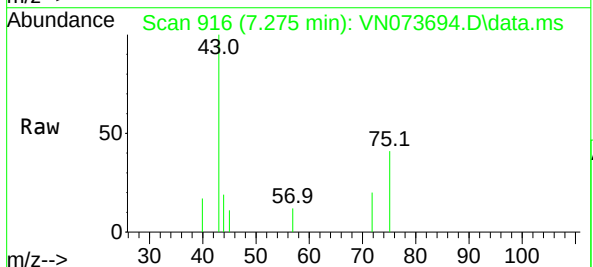
Instrument :
MSVOA_N
ClientSampleId :
GES-2R

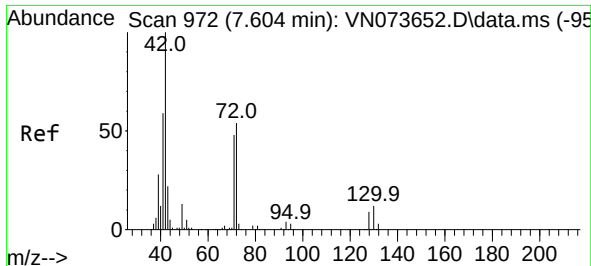
Tgt Ion: 84 Resp: 1029
Ion Ratio Lower Upper
84 100
49 81.1 88.3 132.5#
51 41.4 28.2 42.2
86 35.9 50.6 76.0#



#25
2-Butanone
Concen: 1.012 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Tgt Ion: 43 Resp: 3522
Ion Ratio Lower Upper
43 100
72 19.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.532 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN073694.D

Acq: 02 Aug 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

GES-2R

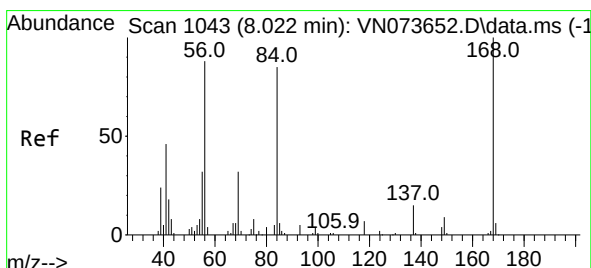
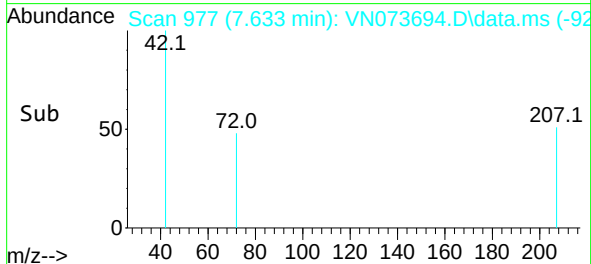
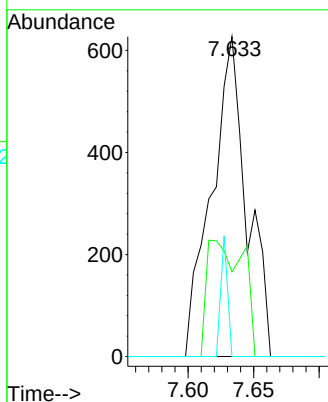
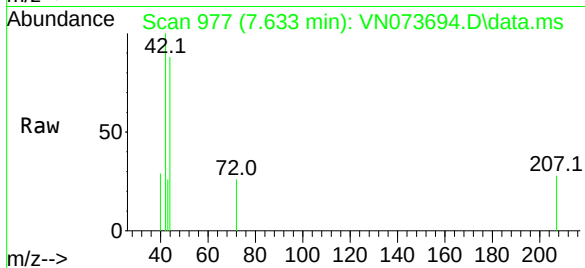
Tgt Ion: 42 Resp: 1171

Ion Ratio Lower Upper

42 100

72 37.2 39.7 59.5#

71 7.1 36.6 55.0#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073694.D

Acq: 02 Aug 2022 18:04

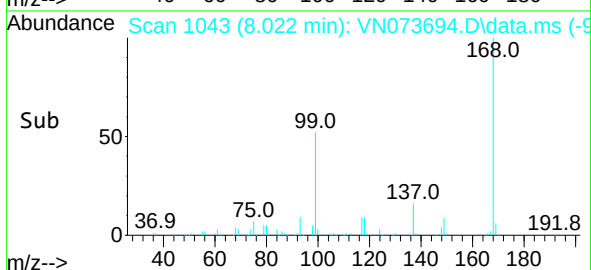
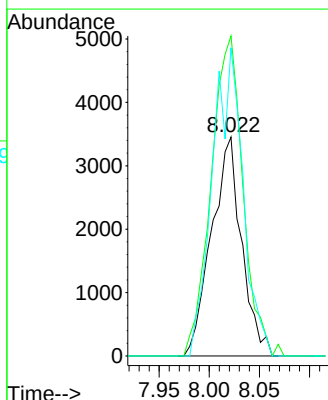
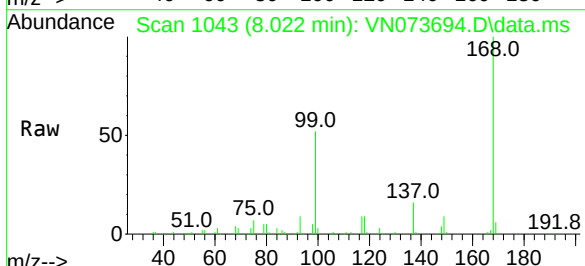
Tgt Ion: 56 Resp: 7195

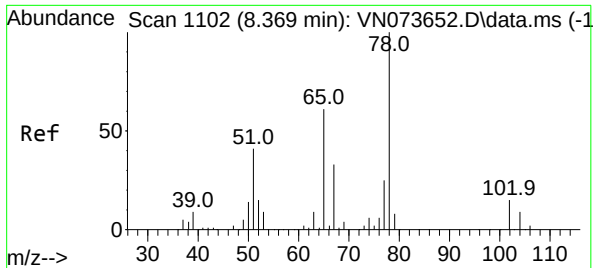
Ion Ratio Lower Upper

56 100

69 146.2 27.8 41.8#

84 146.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.111 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073694.D

Acq: 02 Aug 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

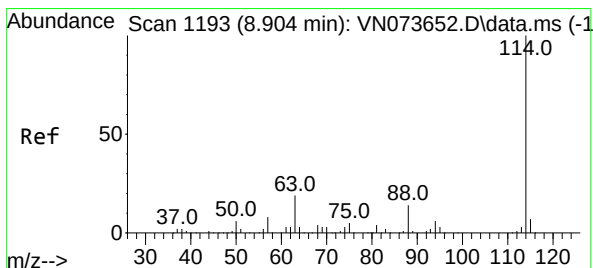
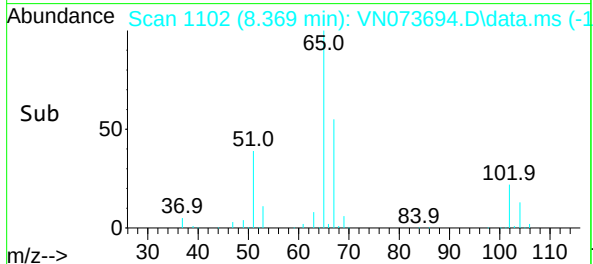
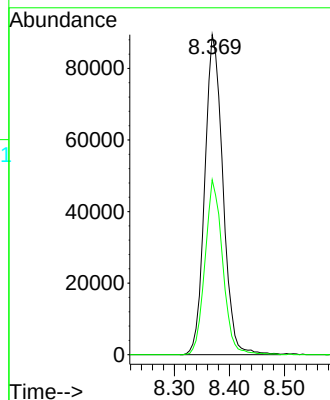
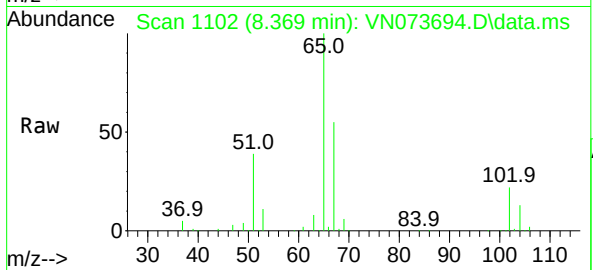
GES-2R

Tgt Ion: 65 Resp: 204828

Ion Ratio Lower Upper

65 100

67 53.2 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: VN073694.D

Acq: 02 Aug 2022 18:04

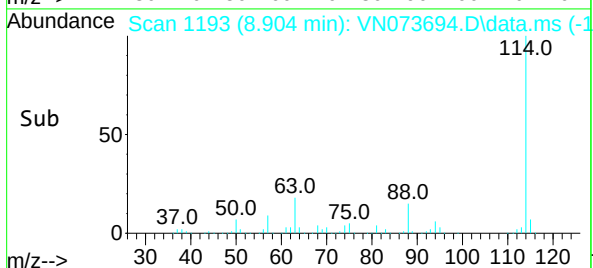
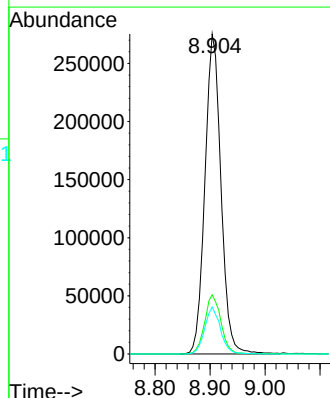
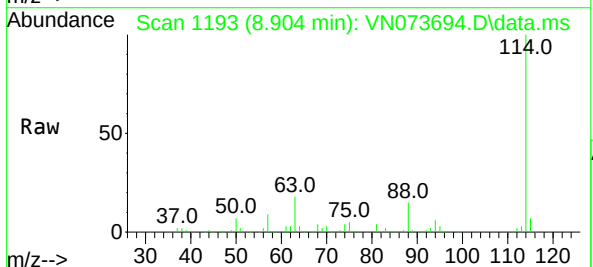
Tgt Ion: 114 Resp: 558195

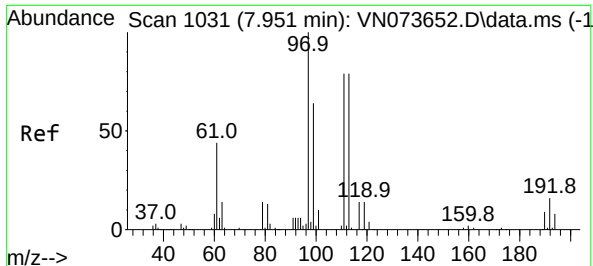
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

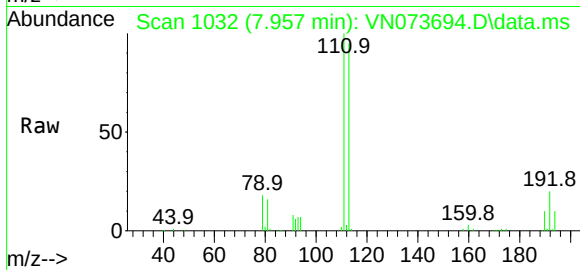
88 14.7 0.0 32.6



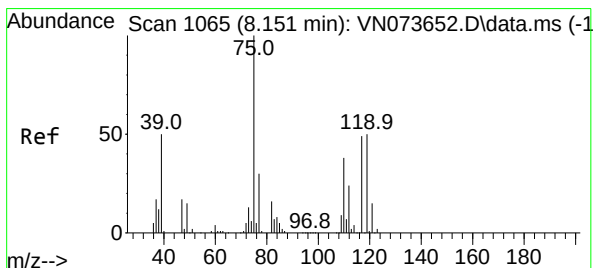
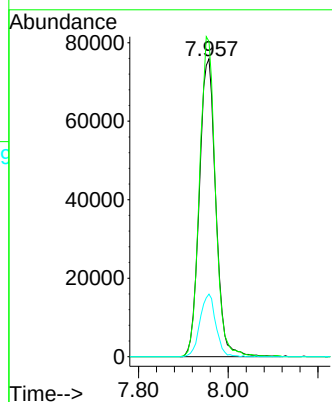
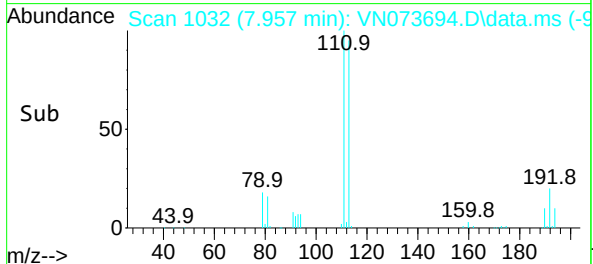


#35
Dibromofluoromethane
Concen: 55.121 ug/l
RT: 7.957 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Instrument :
MSVOA_N
ClientSampleId :
GES-2R

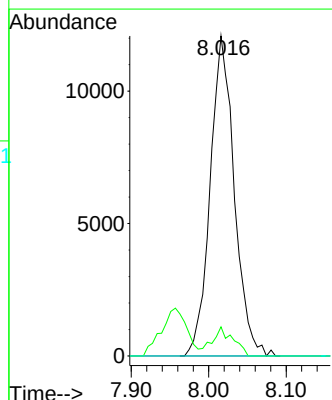
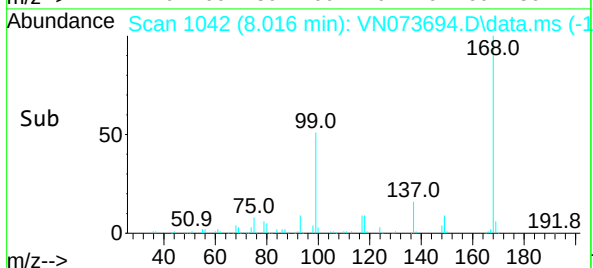
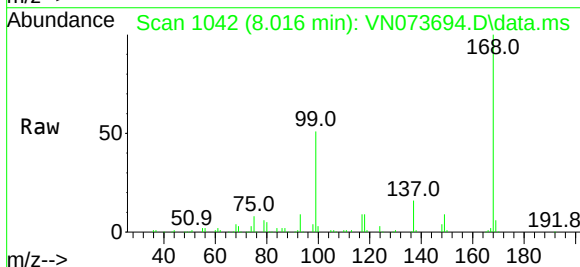


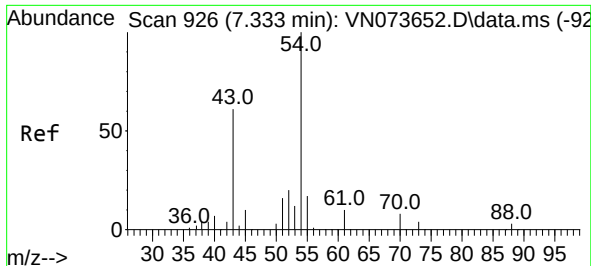
Tgt Ion:113 Resp: 193205
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 20.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.233 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Tgt Ion: 75 Resp: 26144
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.0 25.1 37.7#

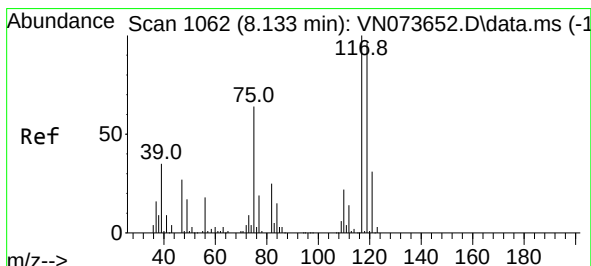
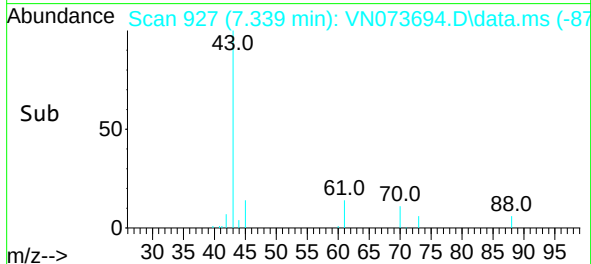
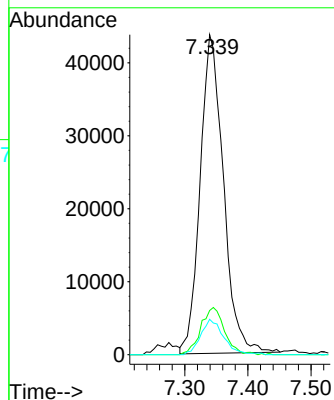
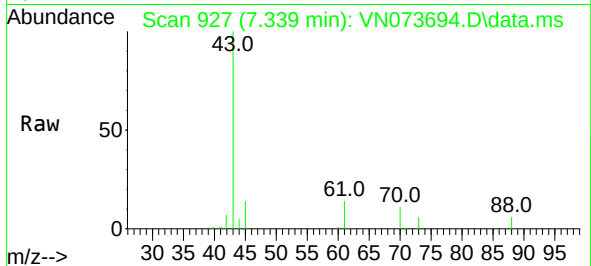




#37
Ethyl Acetate
Concen: 17.001 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

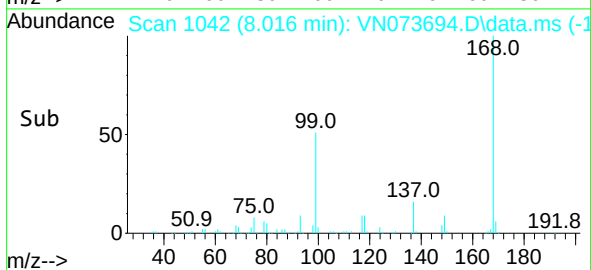
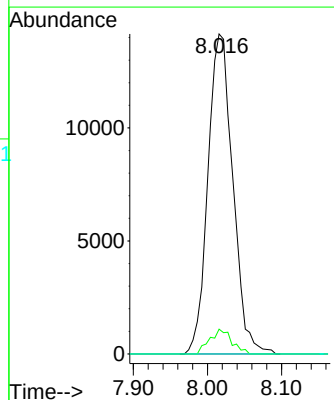
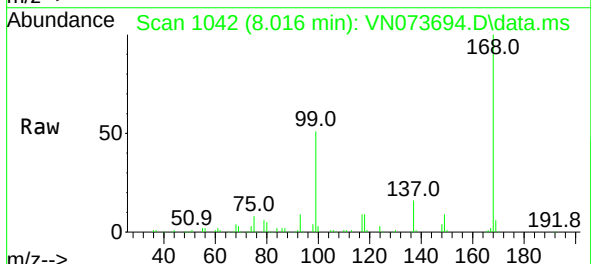
Instrument :
MSVOA_N
ClientSampleId :
GES-2R

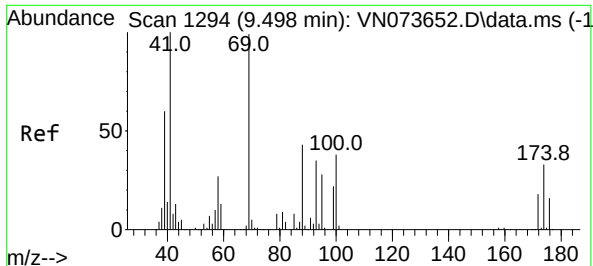
Tgt Ion: 43 Resp: 111849
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Tgt Ion: 117 Resp: 33052
Ion Ratio Lower Upper
117 100
119 7.7 75.8 113.8#
121 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 0.243 ug/l

RT: 9.727 min Scan# 11

Delta R.T. 0.229 min

Lab File: VN073694.D

Acq: 02 Aug 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

GES-2R

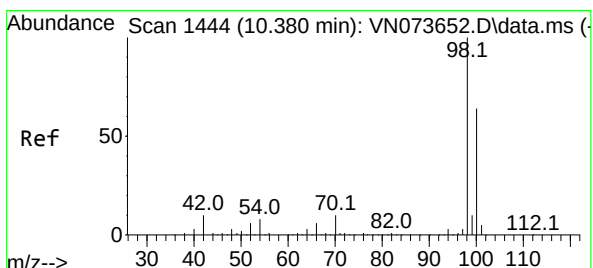
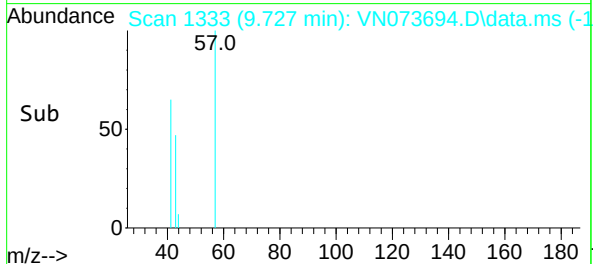
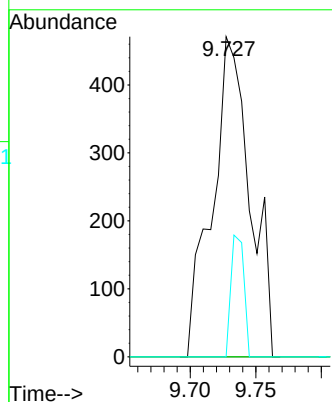
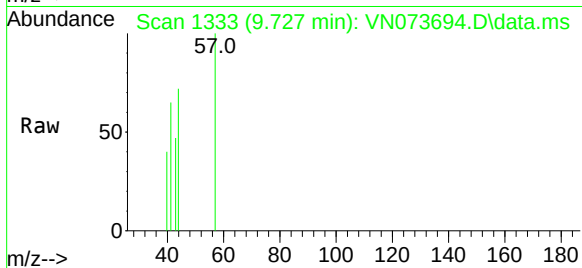
Tgt Ion: 41 Resp: 946

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 12.9 45.6 68.4#



#50

Toluene-d8

Concen: 45.833 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN073694.D

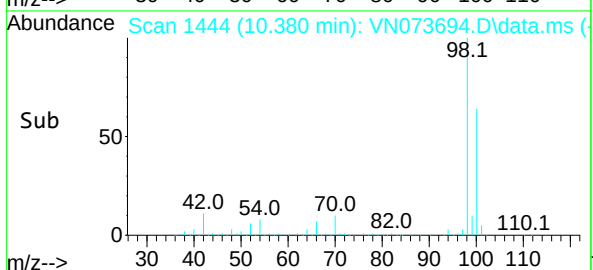
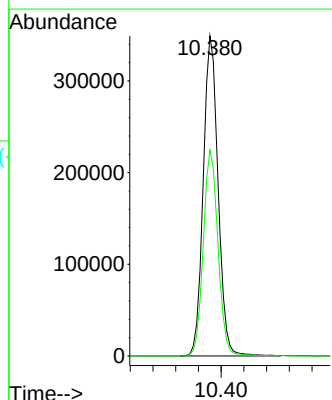
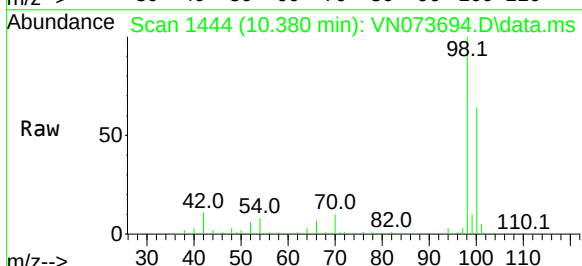
Acq: 02 Aug 2022 18:04

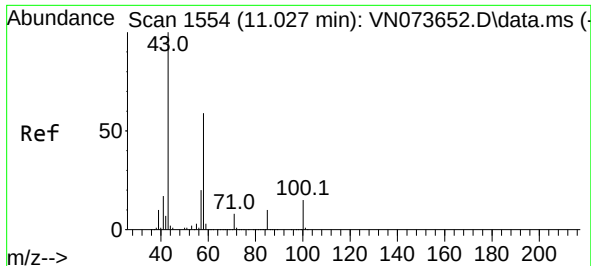
Tgt Ion: 98 Resp: 632173

Ion Ratio Lower Upper

98 100

100 63.9 52.6 78.8

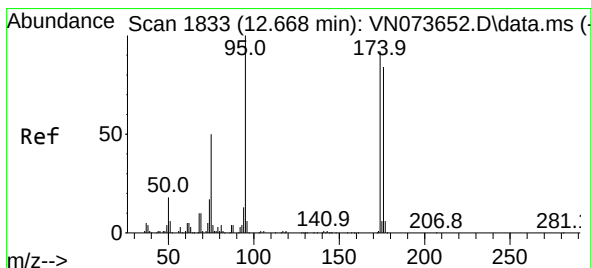
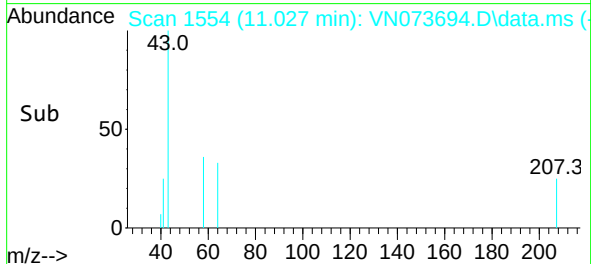
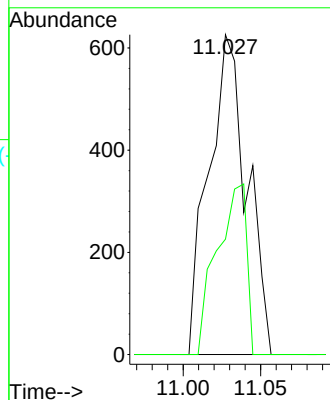
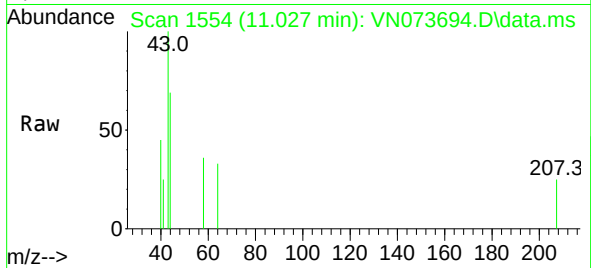




#59
2-Hexanone
Concen: 0.222 ug/l
RT: 11.027 min Scan# 1154
Delta R.T. 0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

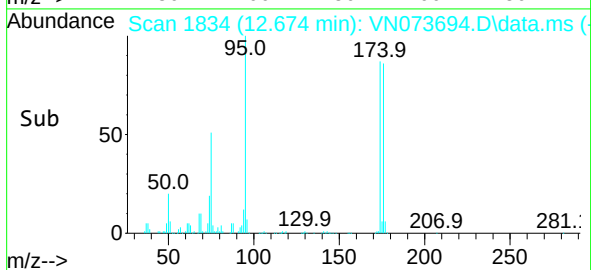
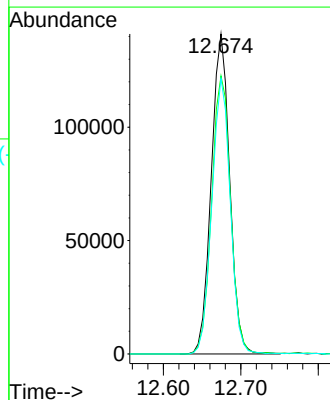
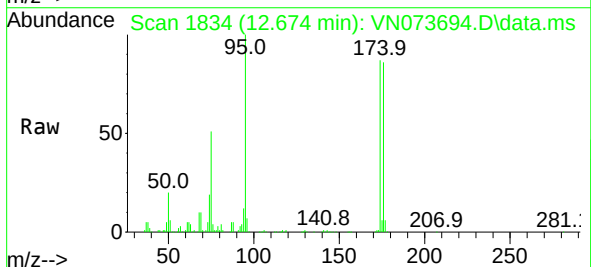
Instrument :
MSVOA_N
ClientSampleId :
GES-2R

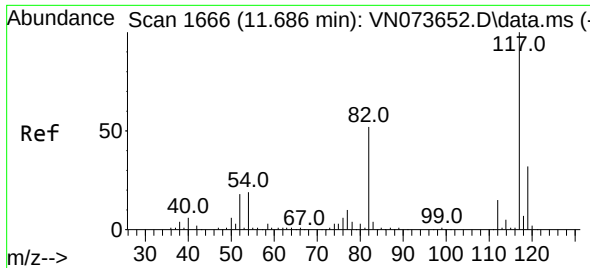
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 41.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 50.726 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Tgt Ion: 95 Resp: 234413
Ion Ratio Lower Upper
95 100
174 89.1 0.0 167.6
176 85.7 0.0 163.4

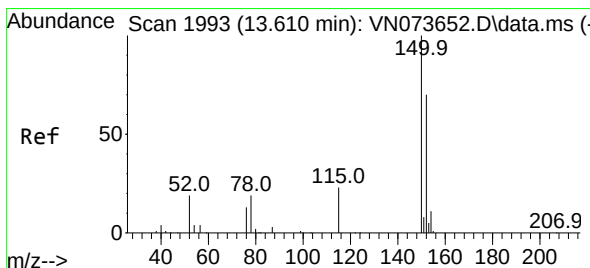
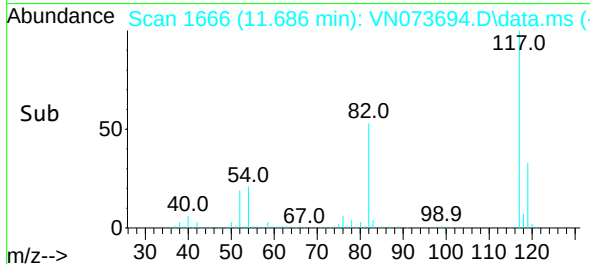
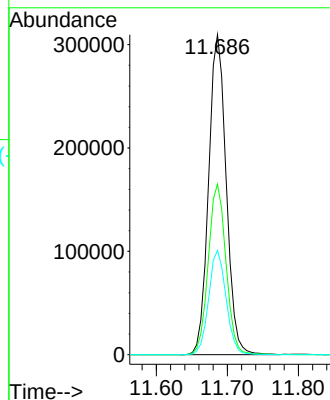
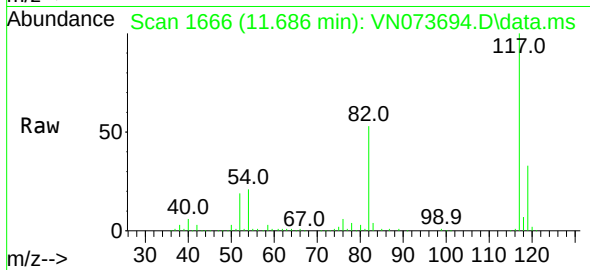




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

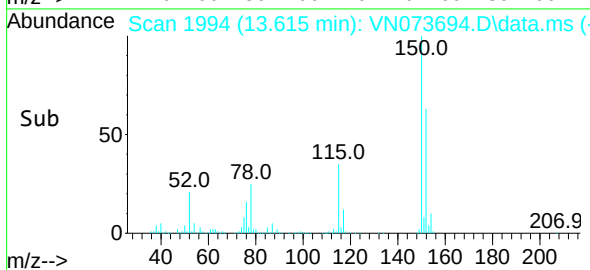
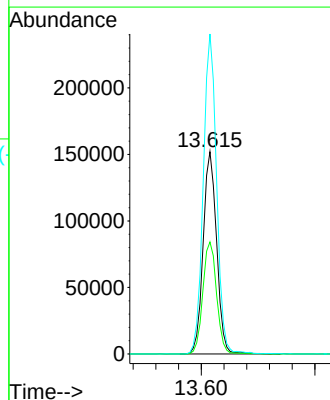
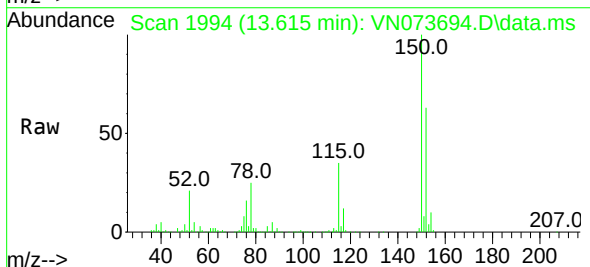
Instrument :
MSVOA_N
ClientSampleId :
GES-2R

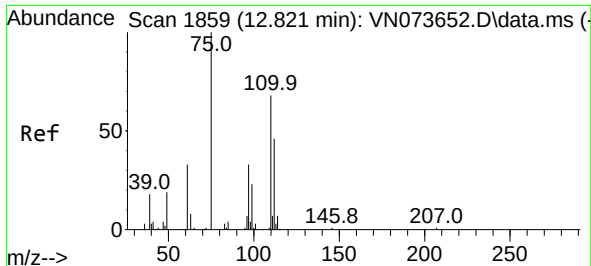
Tgt Ion:117 Resp: 533639
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Tgt Ion:152 Resp: 250272
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 156.3 0.0 356.2

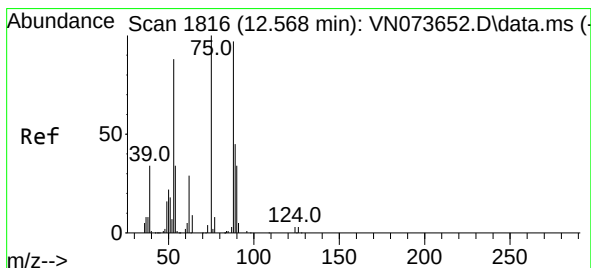
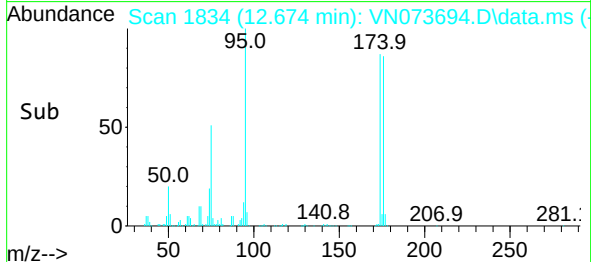
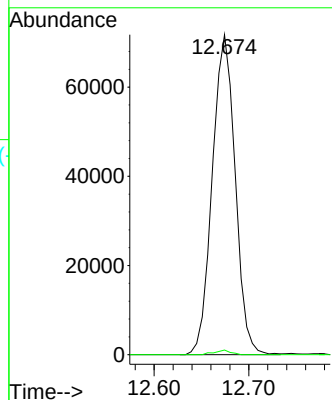
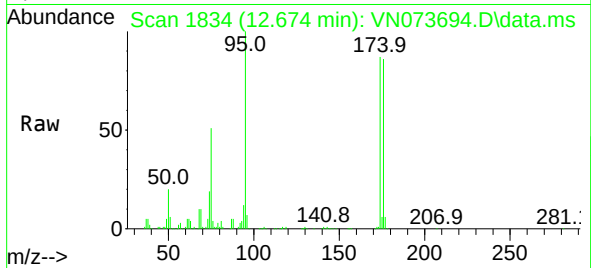




#76
1,2,3-Trichloropropane
Concen: 24.682 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

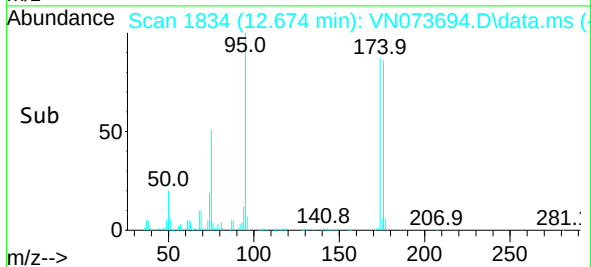
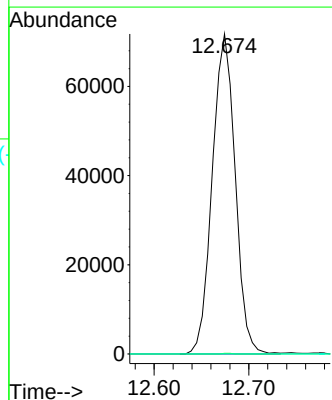
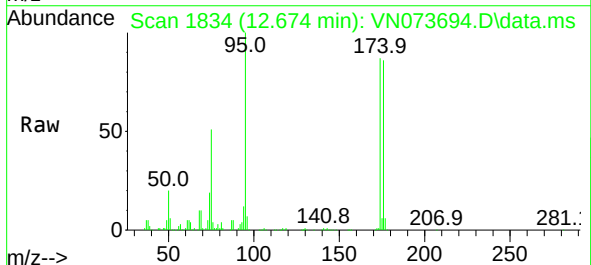
Instrument :
MSVOA_N
ClientSampleId :
GES-2R

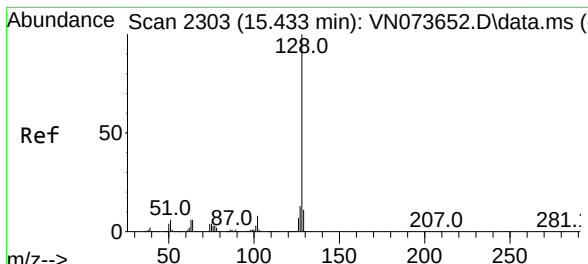
Tgt Ion: 75 Resp: 120647
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.472 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

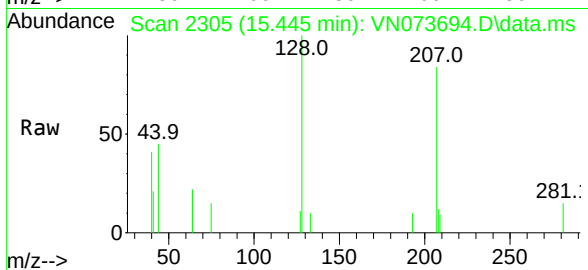
Tgt Ion: 75 Resp: 120647
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.211 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073694.D
Acq: 02 Aug 2022 18:04

Instrument :
MSVOA_N
ClientSampleId :
GES-2R



Tgt Ion:	128	Resp:	2999
Ion	Ratio	Lower	Upper
128	100		
127	2.2	10.3	15.5#
129	0.0	8.6	13.0#

