

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073669.D
 Acq On : 01 Aug 2022 18:59
 Operator : JC\MD
 Sample : N3981-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 05:05:00 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)

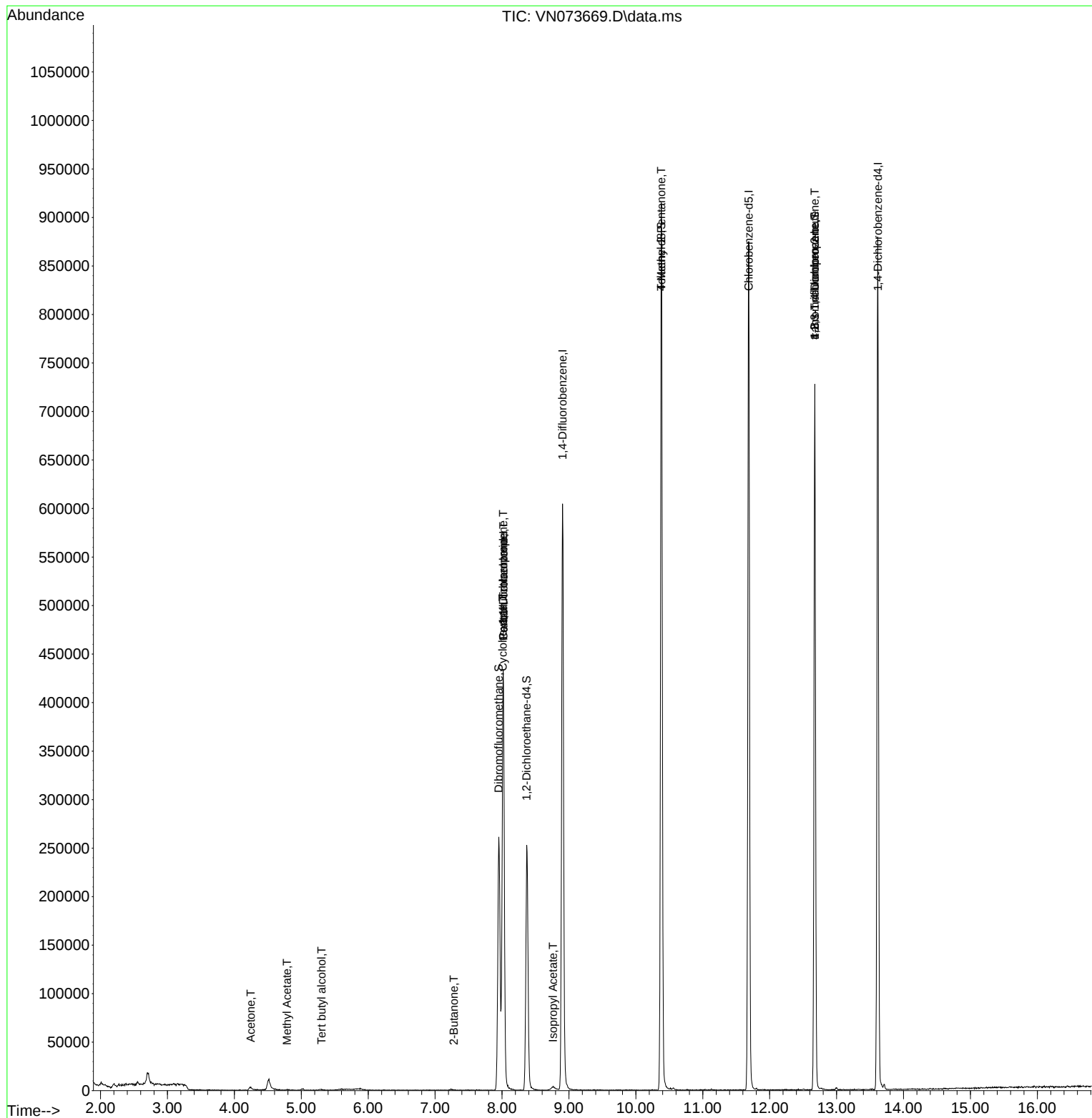
Internal Standards						
1) Pentafluorobenzene	8.022	168	346123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	561651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	532236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	243858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	207729	49.247	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.500%		
35) Dibromofluoromethane	7.951	113	193763	54.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.880%		
50) Toluene-d8	10.381	98	645707	46.526	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.060%		
62) 4-Bromofluorobenzene	12.674	95	232020	50.033	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	747	Below Cal		90
6) Chloroethane	3.022	64	593	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	870	0.956	ug/l #	72
16) Acetone	4.246	43	6003	2.650	ug/l	99
18) Methyl Acetate	4.787	43	1358	0.241	ug/l #	48
20) Methylene Chloride	5.028	84	678	Below Cal	#	66
25) 2-Butanone	7.281	43	712	0.202	ug/l #	45
31) Cyclohexane	8.010	56	6837	1.089	ug/l #	8
36) 1,1-Dichloropropene	8.016	75	25058	4.985	ug/l #	49
38) Carbon Tetrachloride	8.022	117	33501	6.562	ug/l #	16
43) Isopropyl Acetate	8.763	43	2793	0.312	ug/l #	53
51) 4-Methyl-2-Pentanone	10.381	43	2805	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	119599	25.171	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	119599	63.558	ug/l #	10

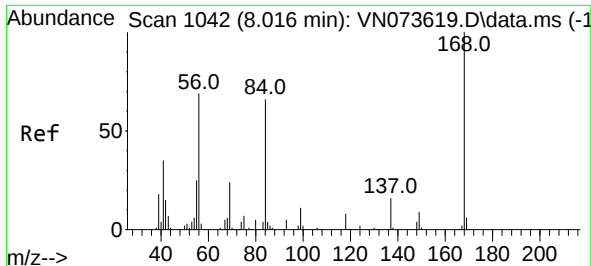
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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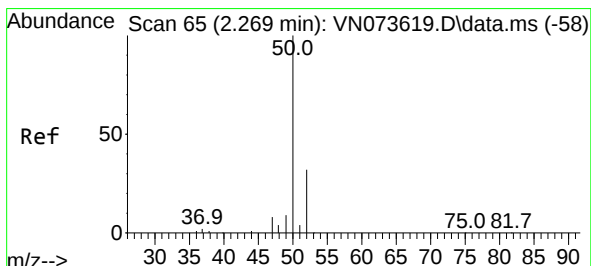
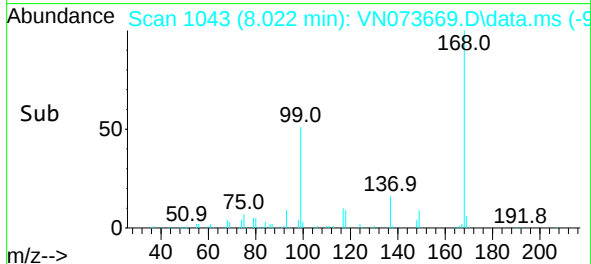
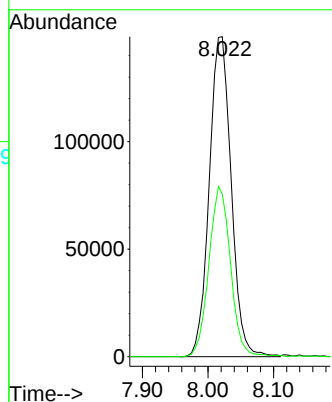
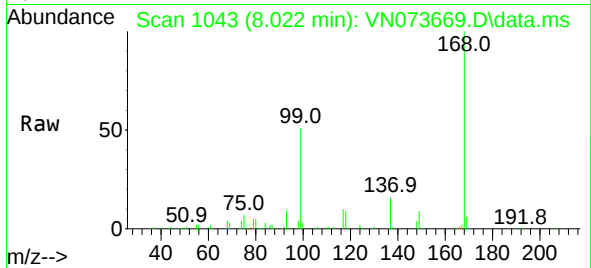




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

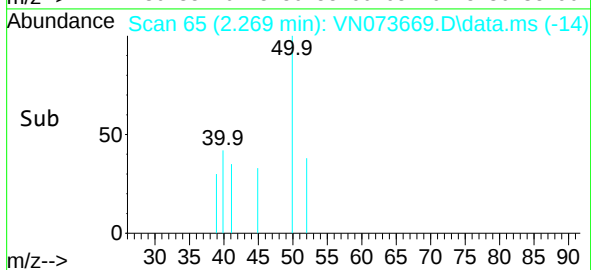
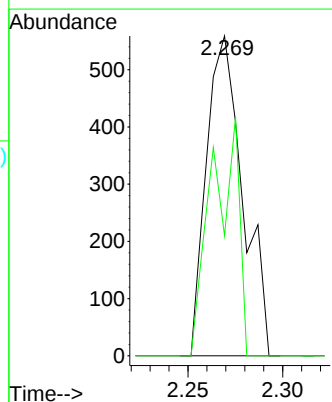
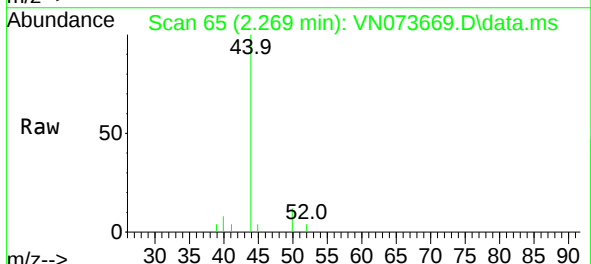
Instrument :
MSVOA_N
ClientSampleId :

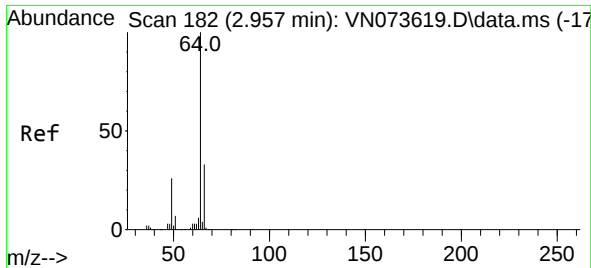
Tgt Ion:168 Resp: 346123
Ion Ratio Lower Upper
168 100
99 50.8 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 50 Resp: 747
Ion Ratio Lower Upper
50 100
52 37.6 25.7 38.5

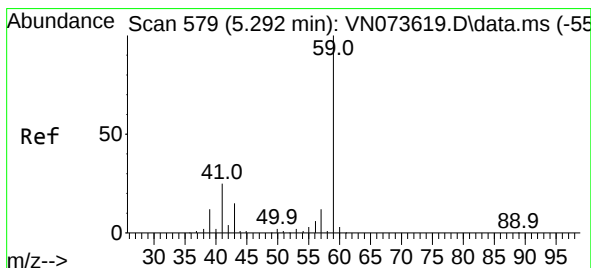
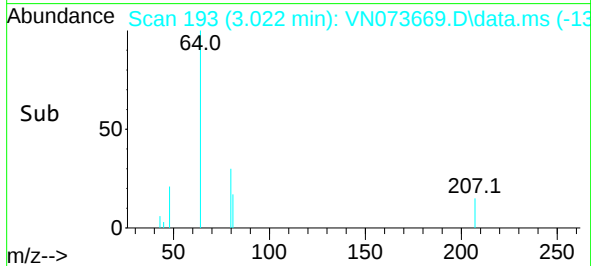
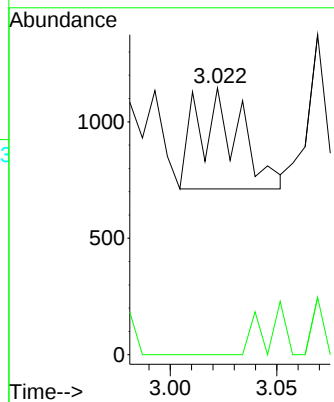
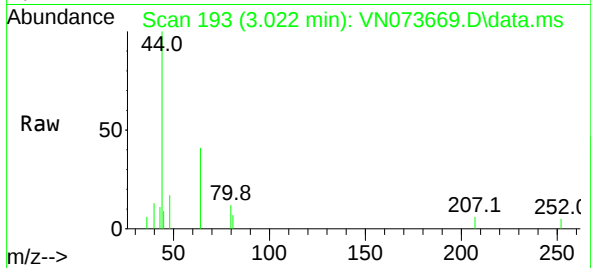




#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 193
Delta R.T. 0.065 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

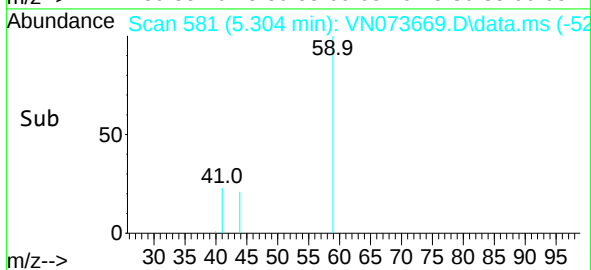
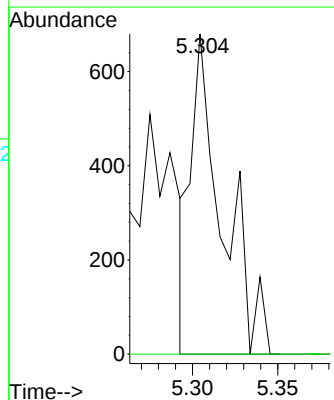
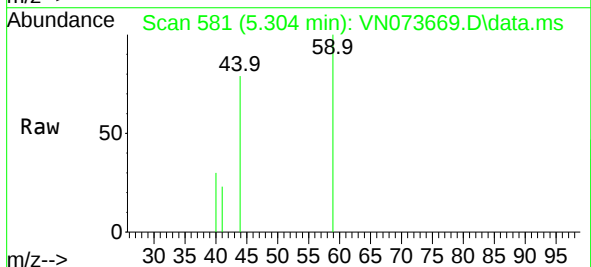
Instrument :
MSVOA_N
ClientSampleId :

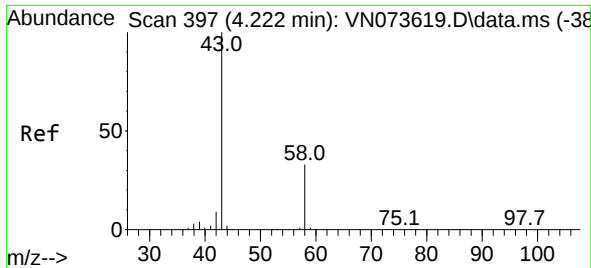
Tgt Ion: 64 Resp: 593
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.956 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 59 Resp: 870
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

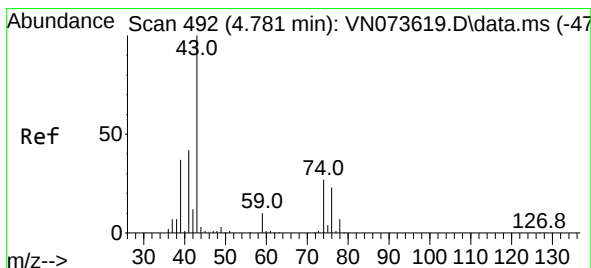
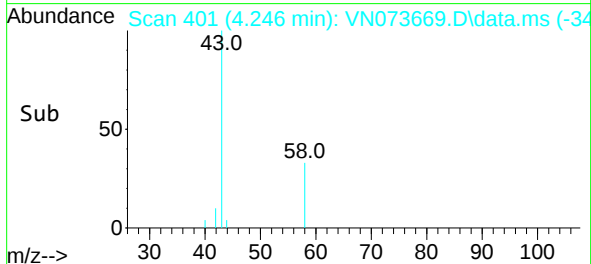
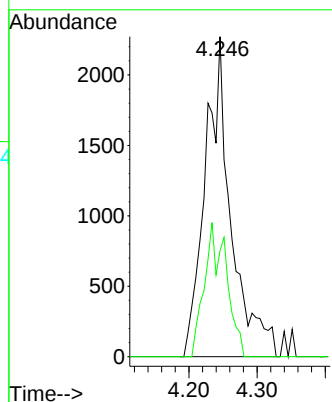
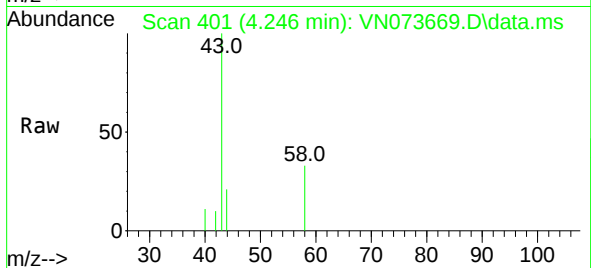




#16
Acetone
Concen: 2.650 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

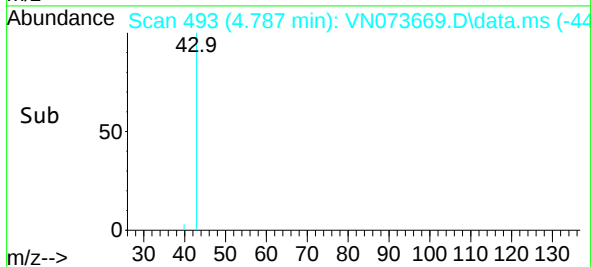
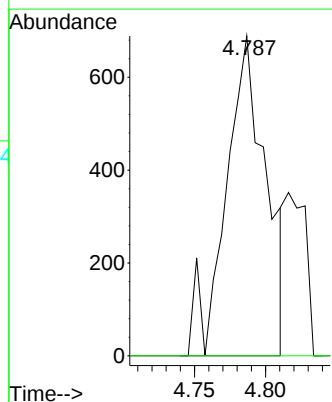
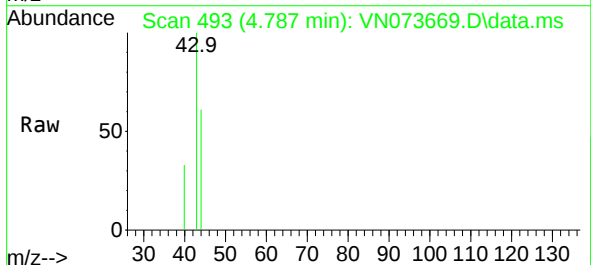
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 6003
Ion Ratio Lower Upper
43 100
58 33.1 26.0 39.0



#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.028 min Scan# 51

Delta R.T. 0.018 min

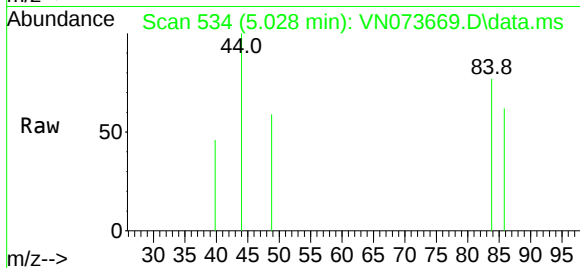
Lab File: VN073669.D

Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 678

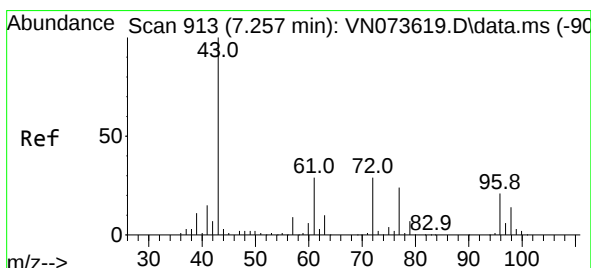
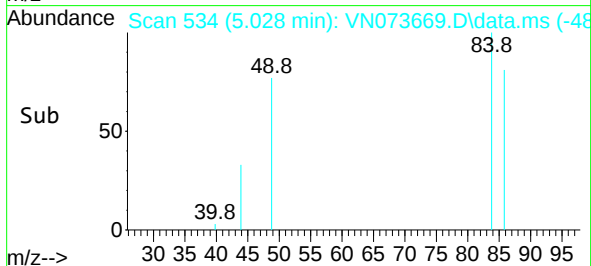
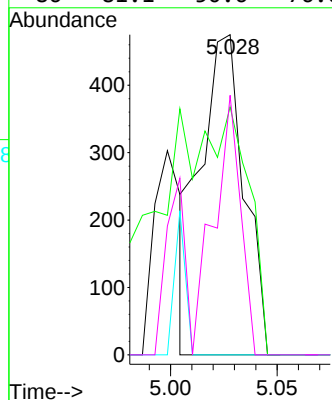
Ion Ratio Lower Upper

84 100

49 77.5 88.3 132.5#

51 0.0 28.2 42.2#

86 81.1 50.6 76.0#



#25

2-Butanone

Concen: 0.202 ug/l

RT: 7.281 min Scan# 917

Delta R.T. 0.024 min

Lab File: VN073669.D

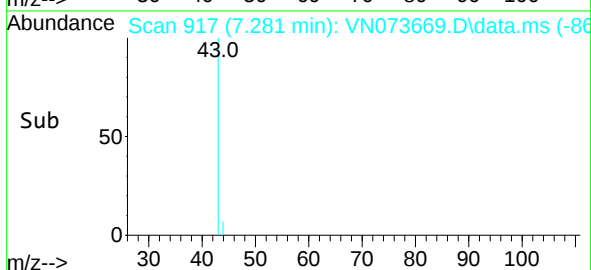
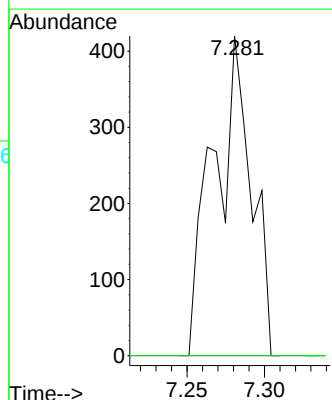
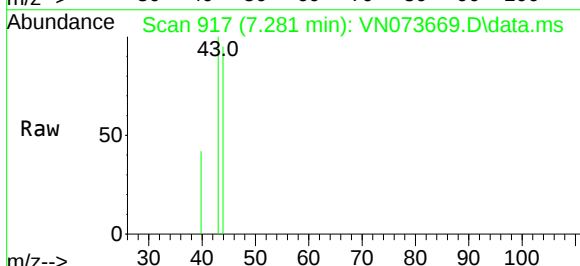
Acq: 01 Aug 2022 18:59

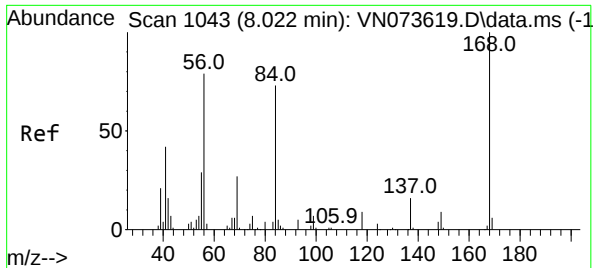
Tgt Ion: 43 Resp: 712

Ion Ratio Lower Upper

43 100

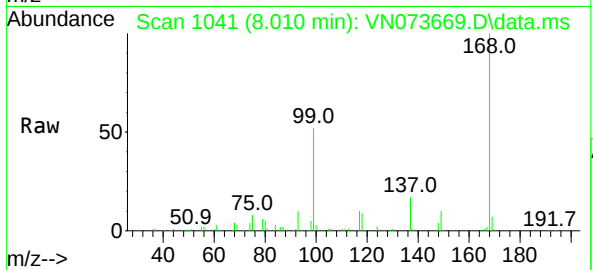
72 0.0 23.7 35.5#



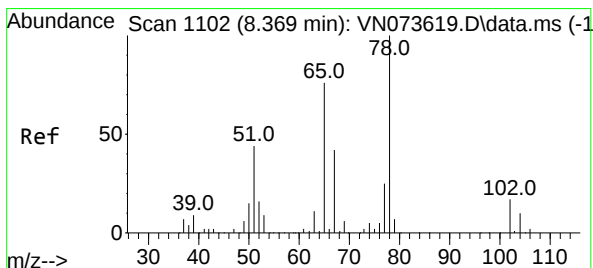
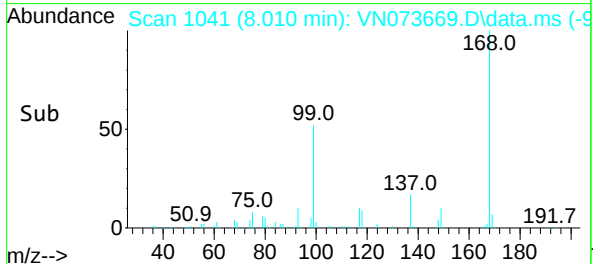
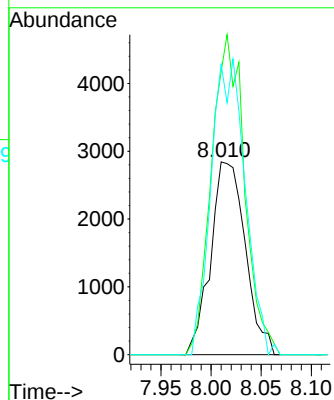


#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

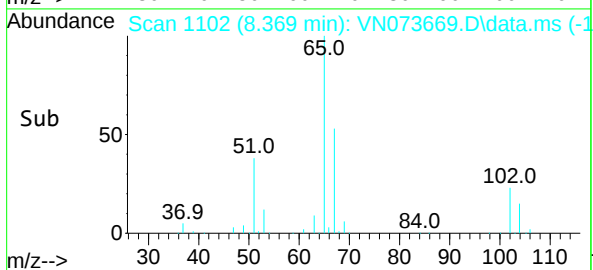
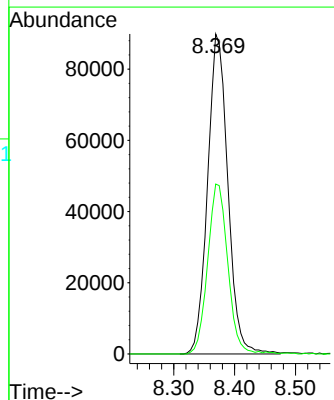
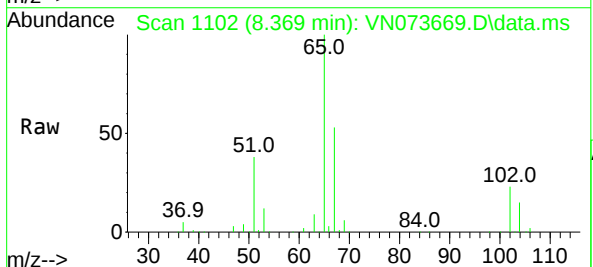


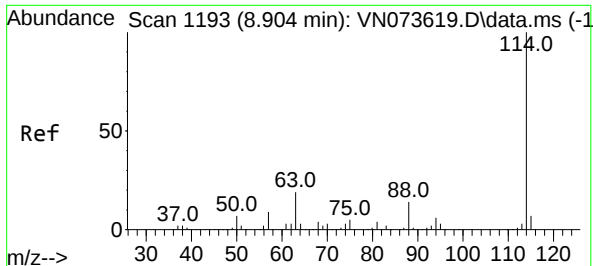
Tgt Ion: 56 Resp: 6837
Ion Ratio Lower Upper
56 100
69 146.9 27.8 41.8#
84 150.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.247 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 65 Resp: 207729
Ion Ratio Lower Upper
65 100
67 52.9 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: VN073669.D

Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

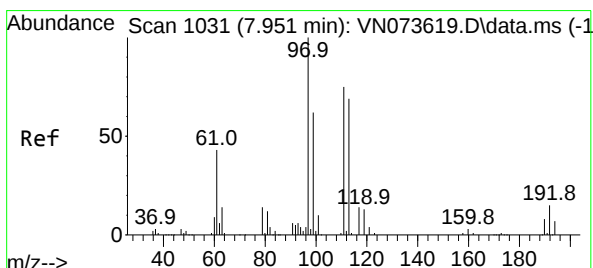
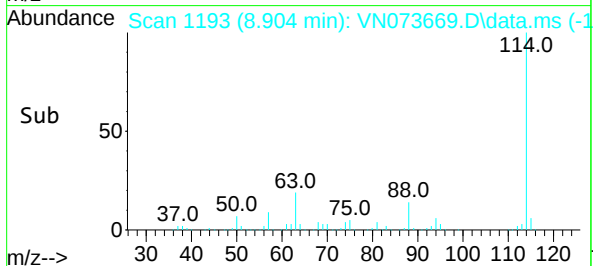
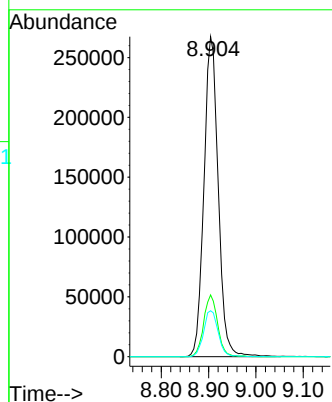
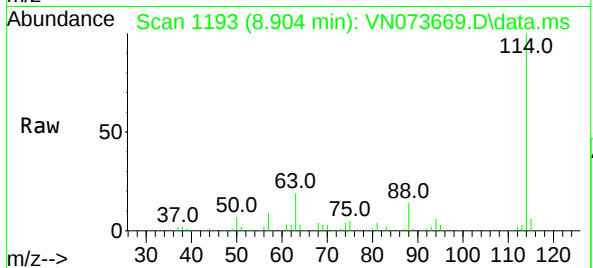
Tgt Ion:114 Resp: 561651

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 14.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.940 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073669.D

Acq: 01 Aug 2022 18:59

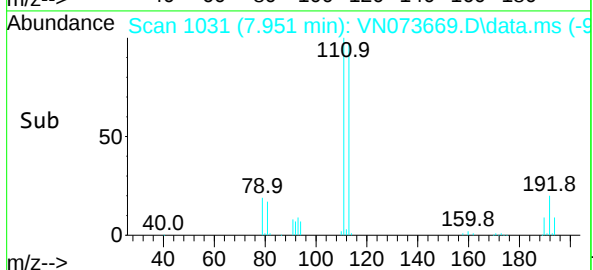
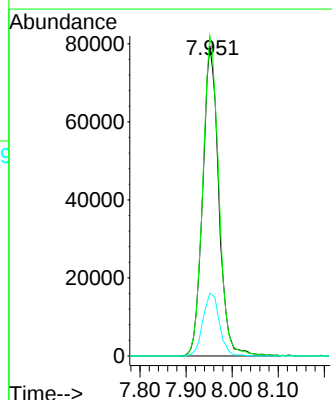
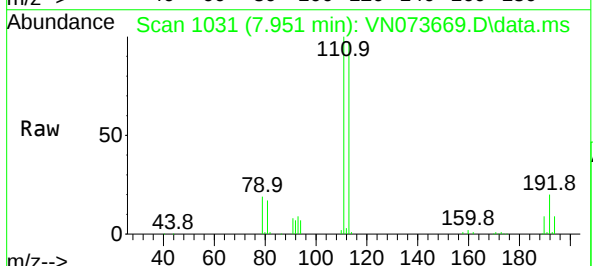
Tgt Ion:113 Resp: 193763

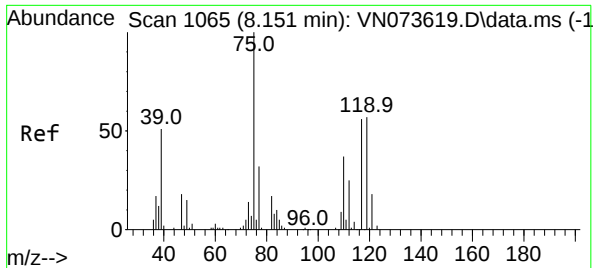
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 20.8 17.0 25.6

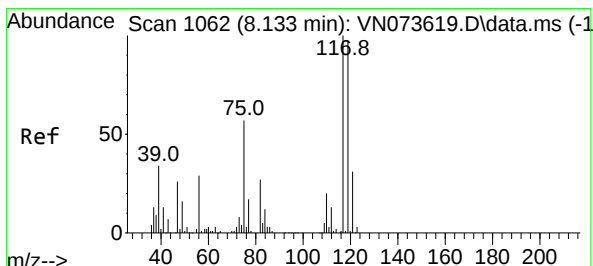
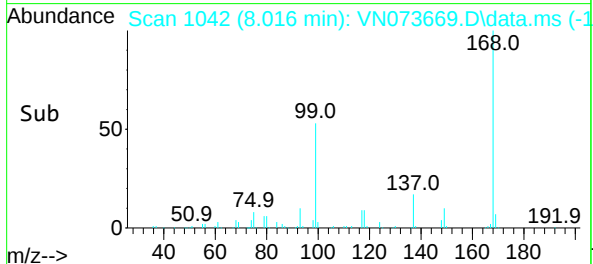
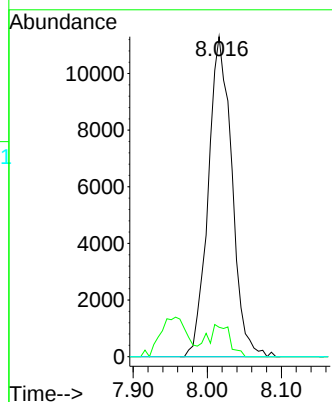
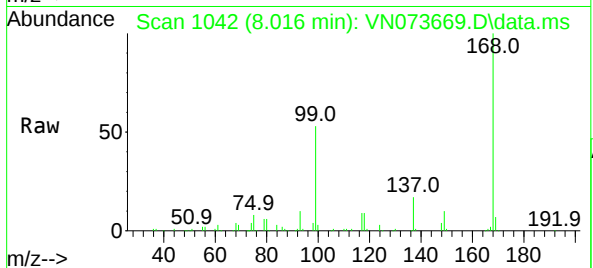




#36
1,1-Dichloropropene
Concen: 4.985 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

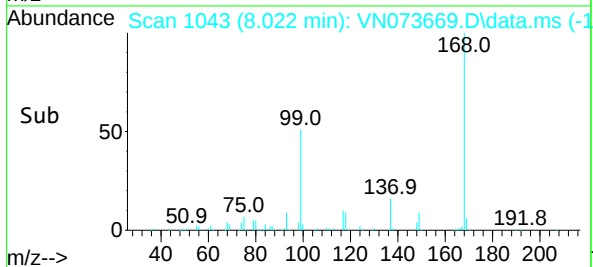
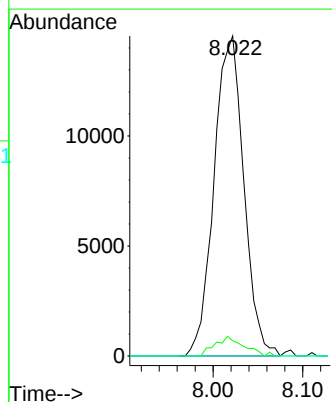
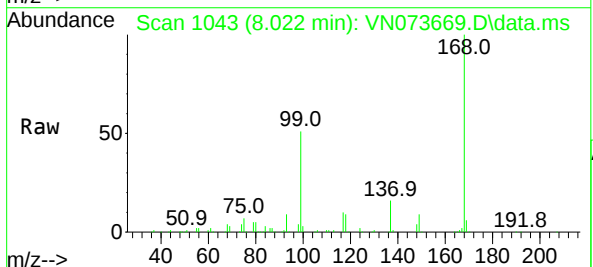
Instrument :
MSVOA_N
ClientSampleId :

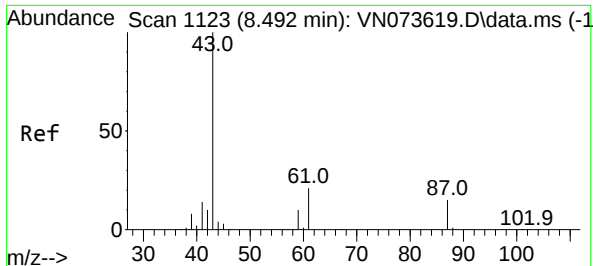
Tgt Ion: 75 Resp: 25058
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.562 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 117 Resp: 33501
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.312 ug/l

RT: 8.763 min Scan# 1123

Delta R.T. 0.271 min

Lab File: VN073669.D

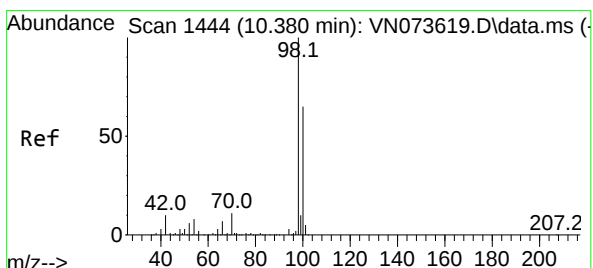
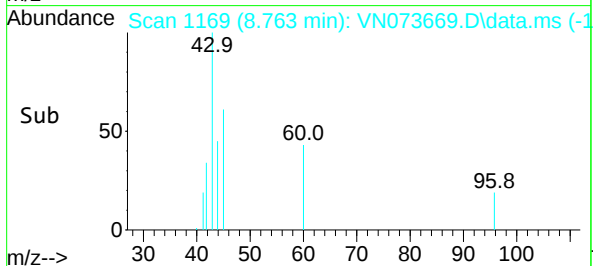
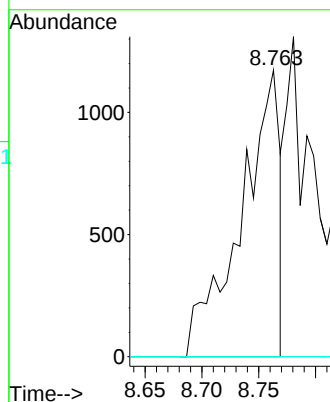
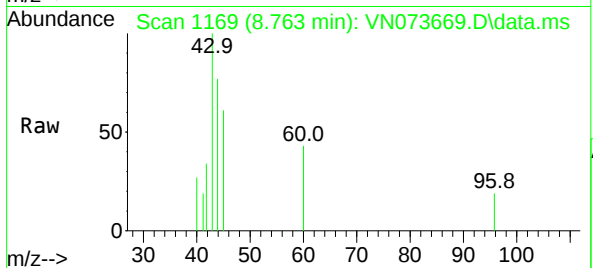
Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 2793
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 46.526 ug/l

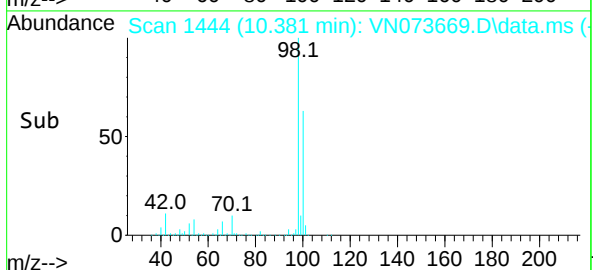
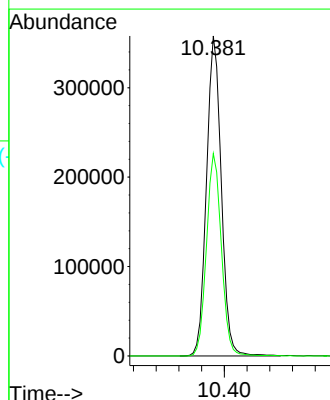
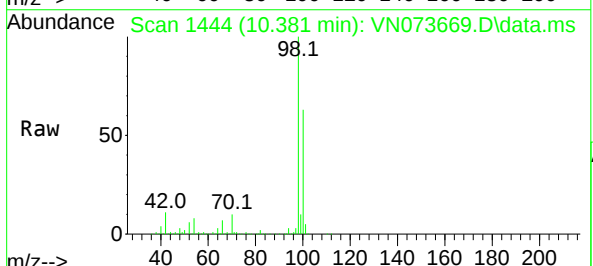
RT: 10.381 min Scan# 1444

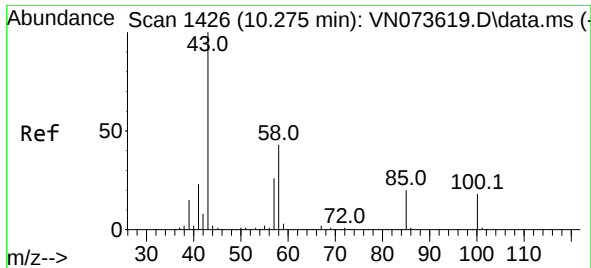
Delta R.T. 0.000 min

Lab File: VN073669.D

Acq: 01 Aug 2022 18:59

Tgt Ion: 98	Resp: 645707
Ion Ratio	Lower Upper
98	100
100	63.6 52.6 78.8

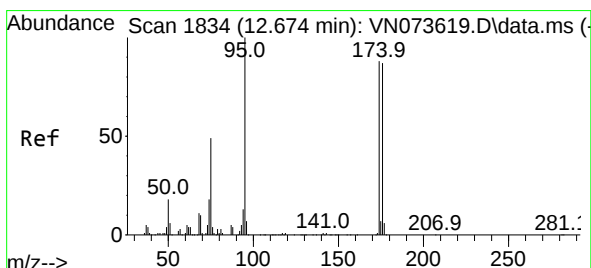
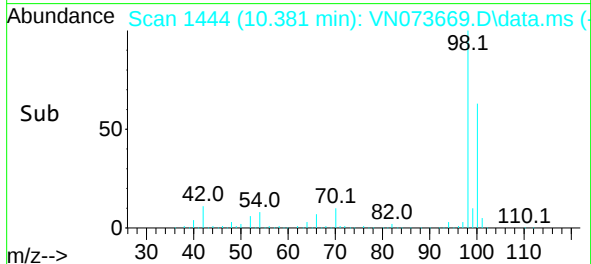
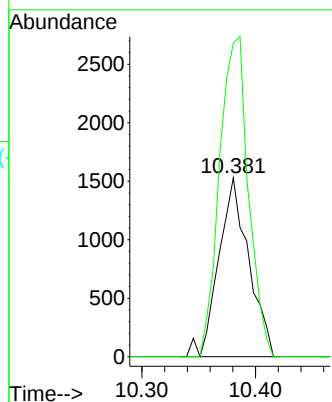
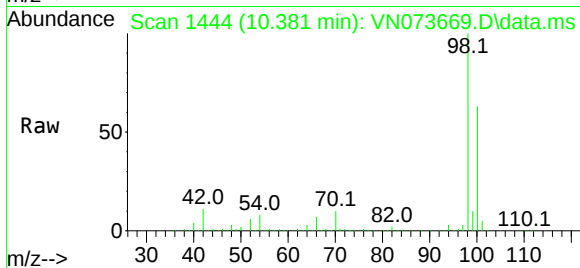




#51
4-Methyl-2-Pentanone
Concen: 0.437 ug/l
RT: 10.381 min Scan# 1426
Delta R.T. 0.105 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

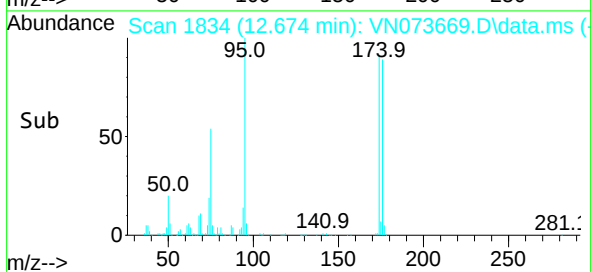
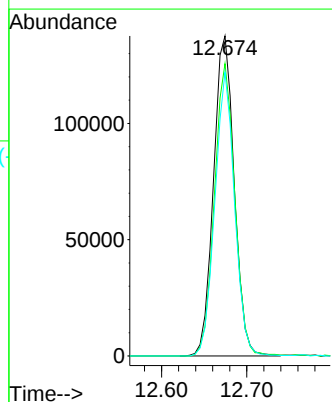
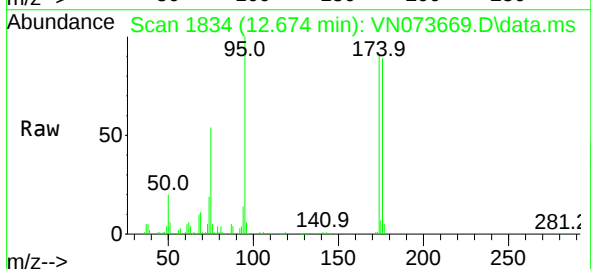
Instrument :
MSVOA_N
ClientSampleId :

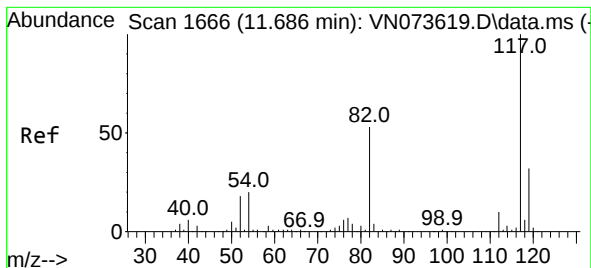
Tgt Ion: 43 Resp: 2805
Ion Ratio Lower Upper
43 100
58 172.8 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 50.033 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 95 Resp: 232020
Ion Ratio Lower Upper
95 100
174 89.9 0.0 167.6
176 84.5 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: VN073669.D

Acq: 01 Aug 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

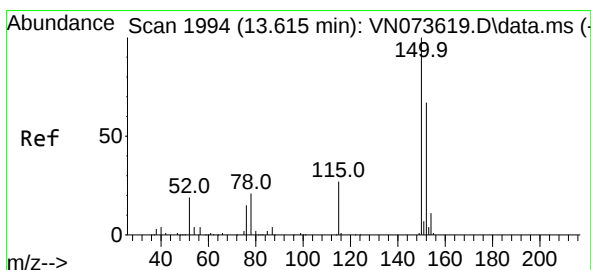
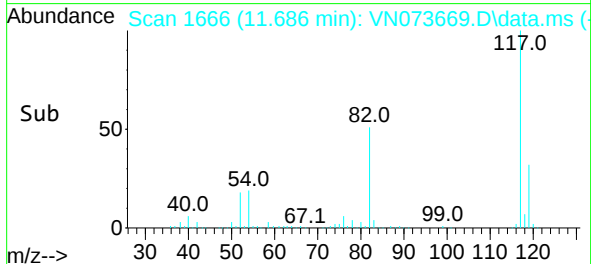
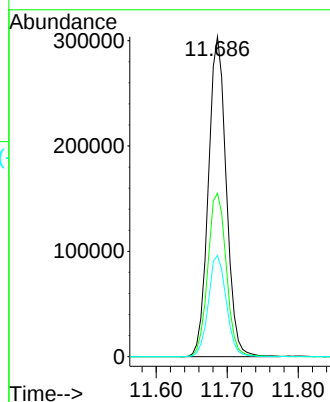
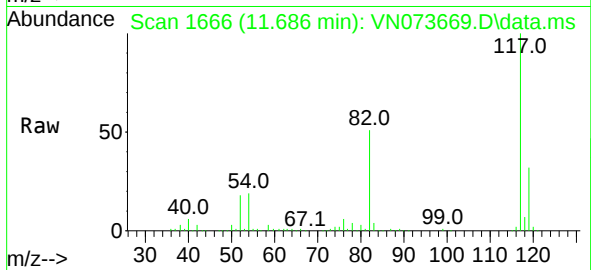
Tgt Ion:117 Resp: 532236

Ion Ratio Lower Upper

117 100

82 51.1 44.2 66.2

119 31.6 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: VN073669.D

Acq: 01 Aug 2022 18:59

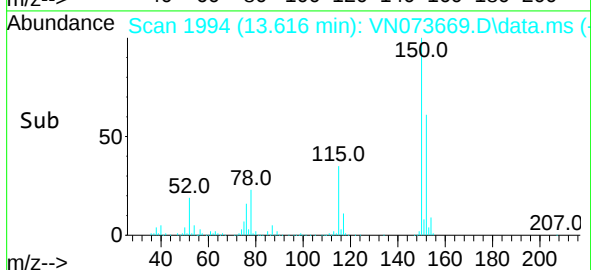
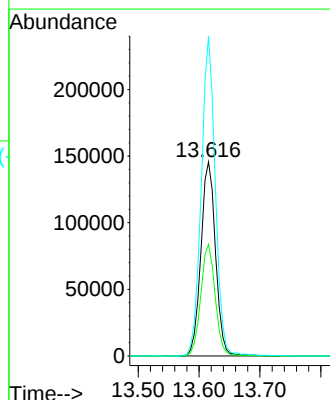
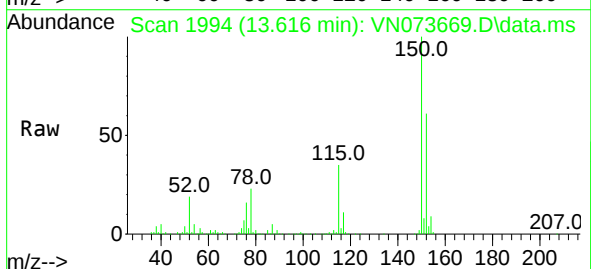
Tgt Ion:152 Resp: 243858

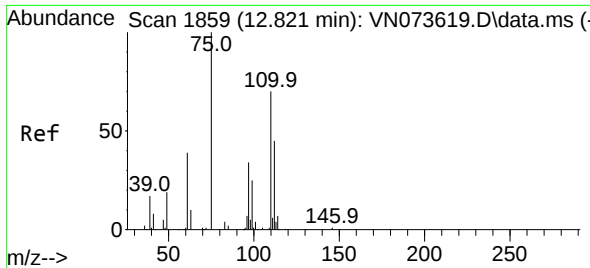
Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 158.2 0.0 356.2

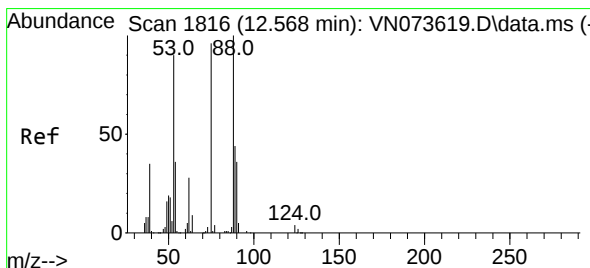
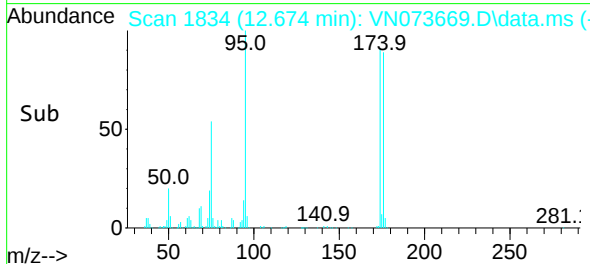
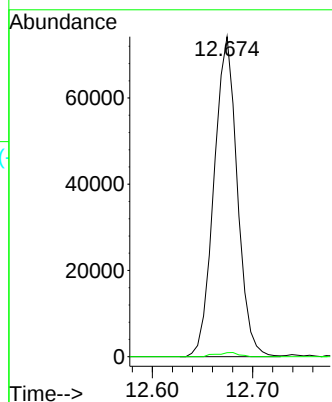
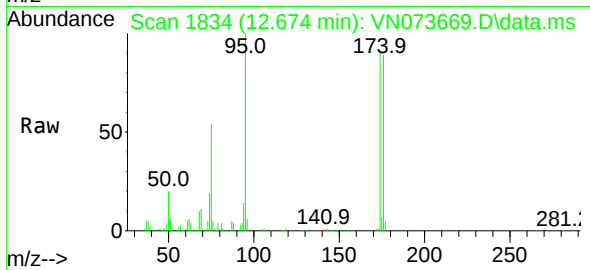




#76
1,2,3-Trichloropropane
Concen: 25.171 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 119599
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.558 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073669.D
Acq: 01 Aug 2022 18:59

Tgt Ion: 75 Resp: 119599
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

