

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075695.D
 Acq On : 10 Dec 2022 07:10
 Operator : JC\MD
 Sample : N5989-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30

Quant Time: Dec 12 04:56:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

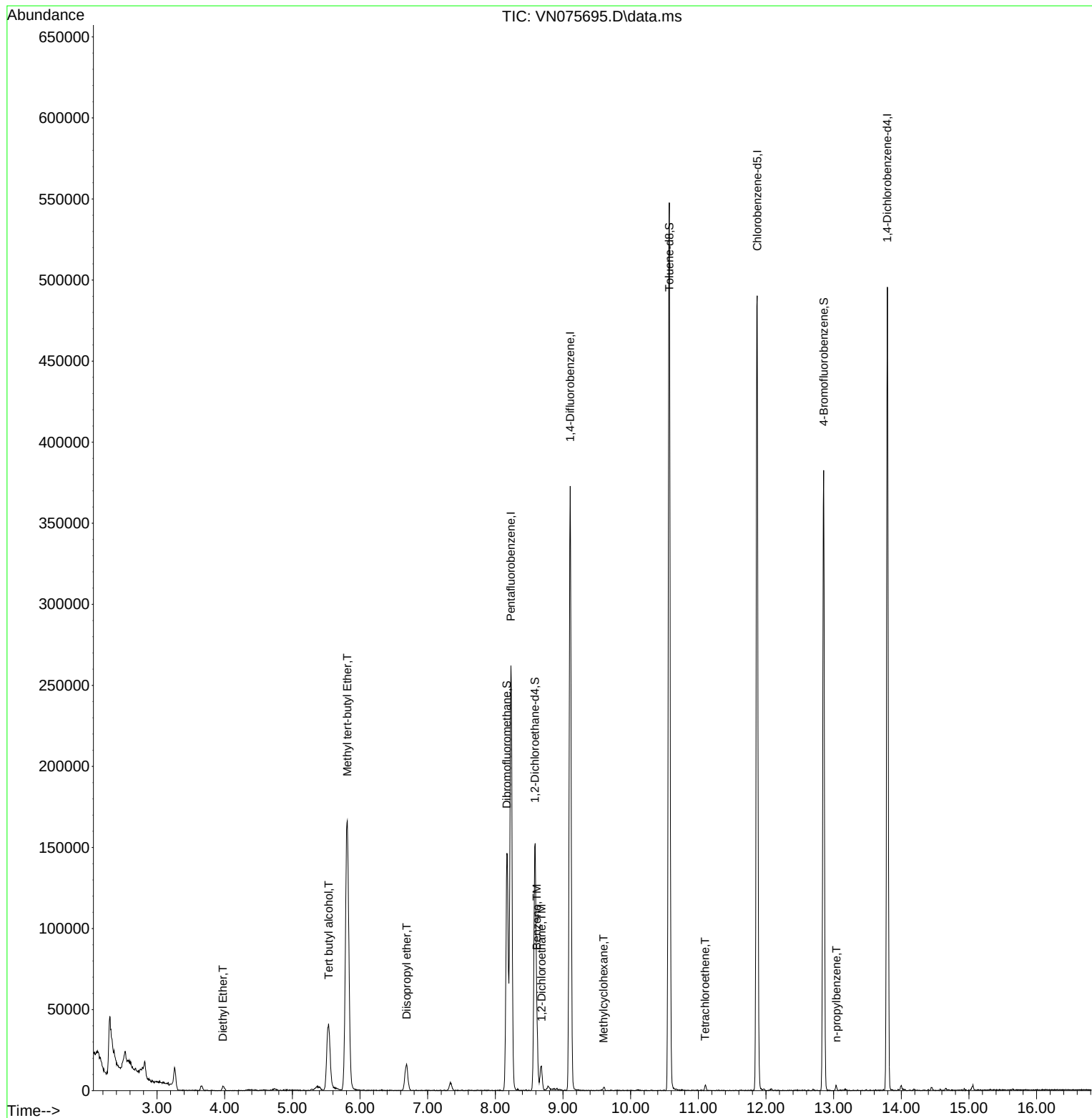
Internal Standards						
1) Pentafluorobenzene	8.230	168	206081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	346478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	306253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	115854	52.984	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.960%	
35) Dibromofluoromethane	8.171	113	106423	50.344	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.680%	
50) Toluene-d8	10.571	98	401488	50.574	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.853	95	128717	47.422	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.840%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.971	74	1905	1.619	ug/l	99
11) Tert butyl alcohol	5.536	59	76370	236.090	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	301478	50.765	ug/l	98
22) Diisopropyl ether	6.689	45	17964	3.591	ug/l	94
39) Methylcyclohexane	9.600	83	1202	0.338	ug/l #	75
40) Benzene	8.612	78	32757	3.803	ug/l	98
42) 1,2-Dichloroethane	8.683	62	13895	4.822	ug/l	98
64) Tetrachloroethene	11.100	164	1047	0.469	ug/l #	70
78) n-propylbenzene	13.041	91	2847	0.255	ug/l	100

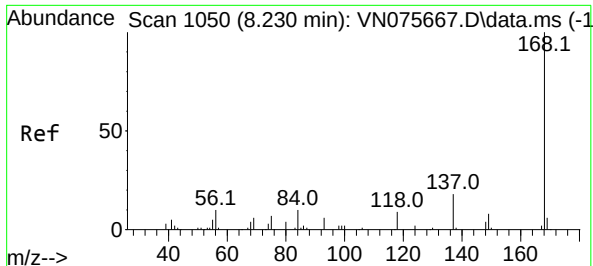
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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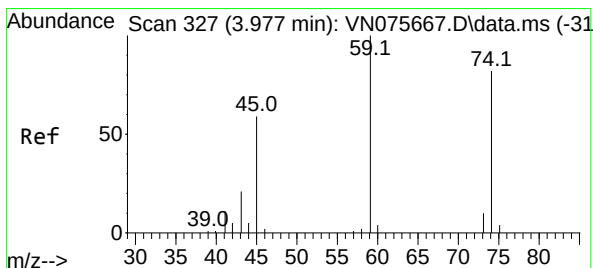
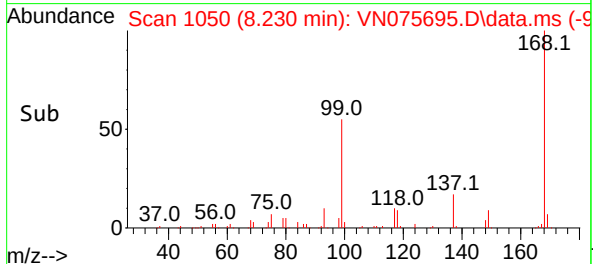
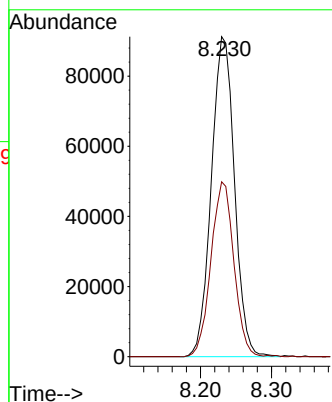
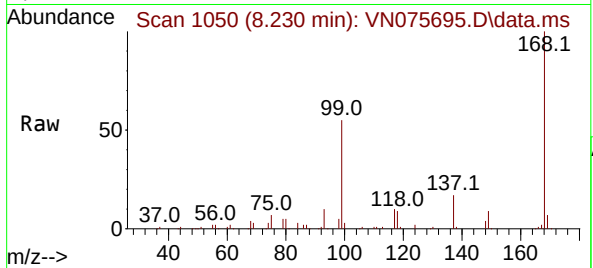




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

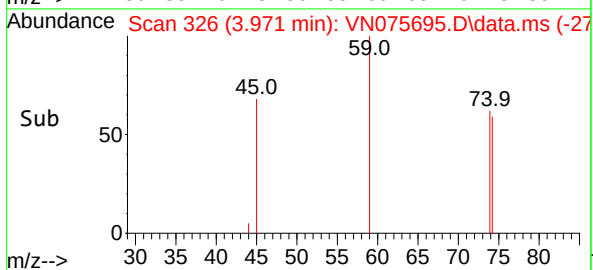
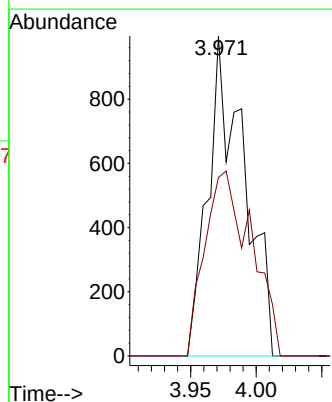
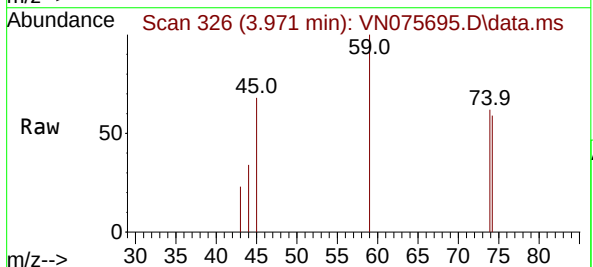
Instrument :
MSVOA_N
ClientSampleId :
MW-30

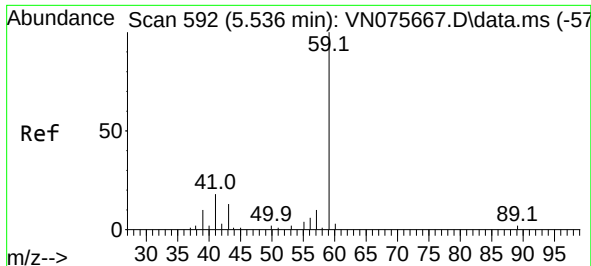
Tgt Ion:168 Resp: 206081
Ion Ratio Lower Upper
168 100
99 54.7 41.2 61.8



#8
Diethyl Ether
Concen: 1.619 ug/l
RT: 3.971 min Scan# 326
Delta R.T. -0.006 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

Tgt Ion: 74 Resp: 1905
Ion Ratio Lower Upper
74 100
45 74.5 36.8 110.4

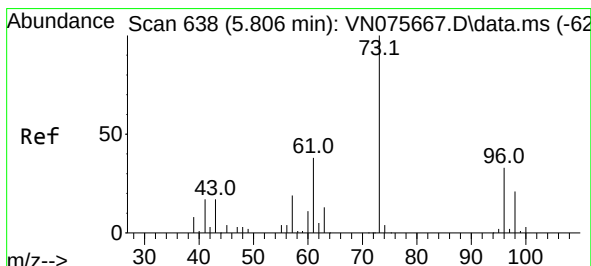
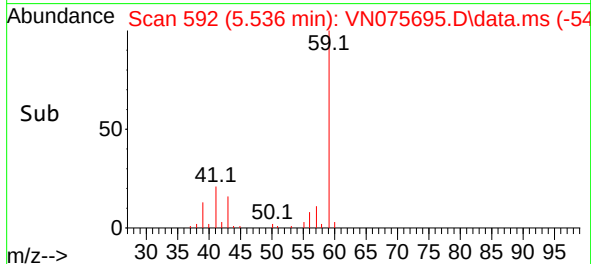
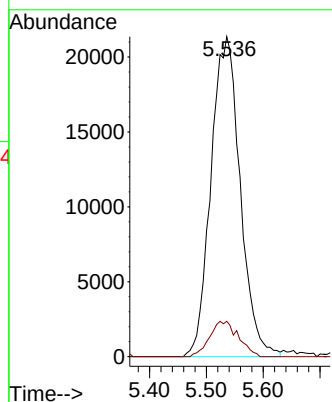
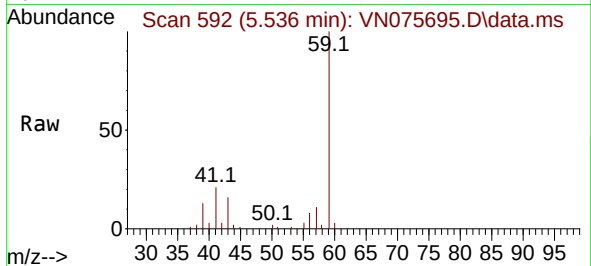




#11
Tert butyl alcohol
Concen: 236.090 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

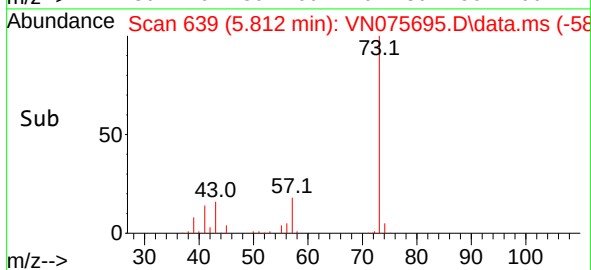
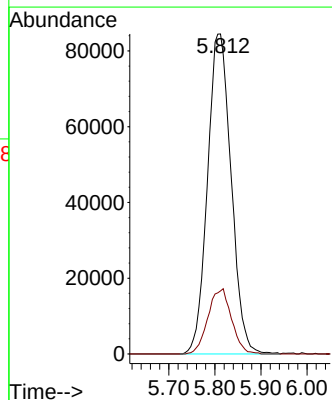
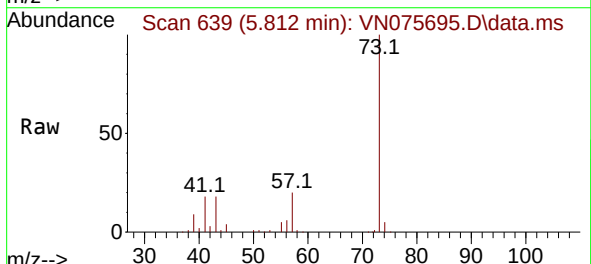
Instrument :
MSVOA_N
ClientSampleId :
MW-30

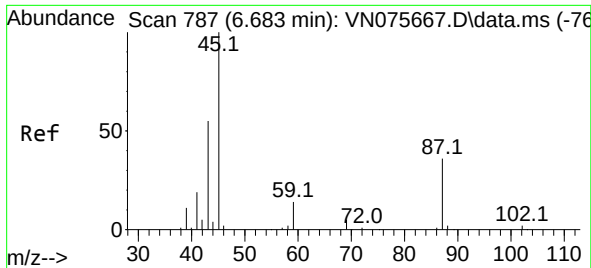
Tgt Ion: 59 Resp: 76370
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4



#19
Methyl tert-butyl Ether
Concen: 50.765 ug/l
RT: 5.812 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

Tgt Ion: 73 Resp: 301478
Ion Ratio Lower Upper
73 100
57 19.7 15.1 22.7

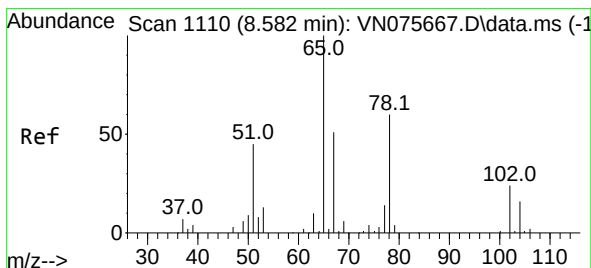
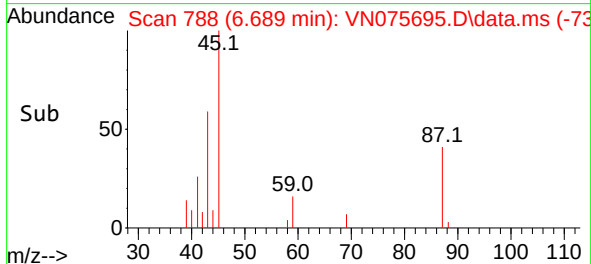
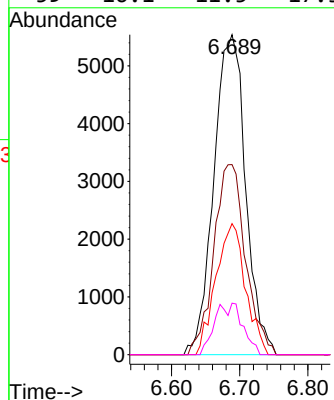
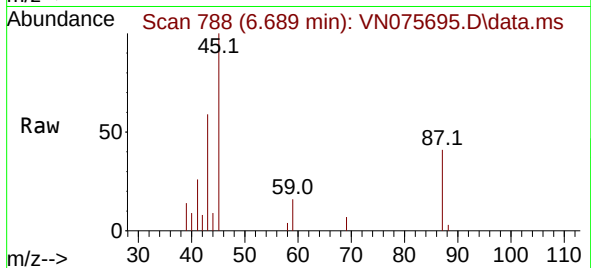




#22
Diisopropyl ether
Concen: 3.591 ug/l
RT: 6.689 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

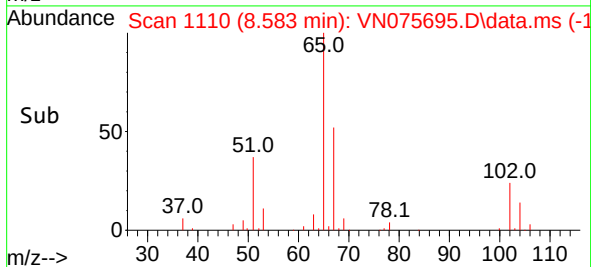
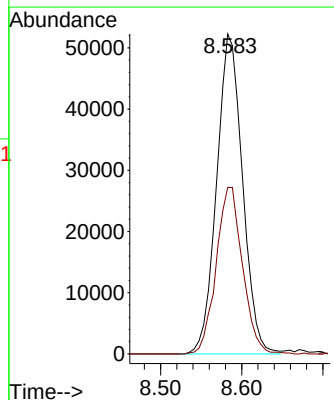
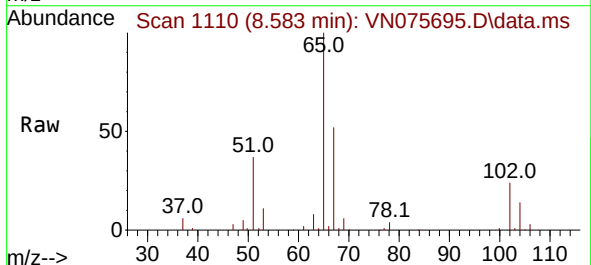
Instrument :
MSVOA_N
ClientSampleId :
MW-30

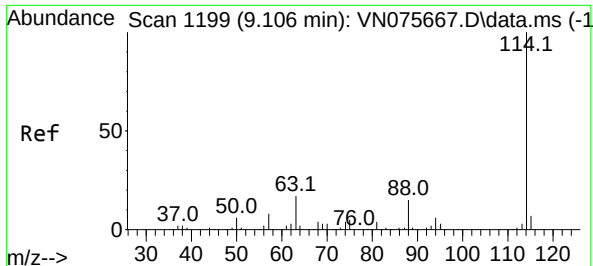
Tgt Ion:	45	Resp:	17964
Ion	Ratio	Lower	Upper
45	100		
43	59.4	44.9	67.3
87	40.9	28.8	43.2
59	16.1	11.5	17.3



#33
1,2-Dichloroethane-d4
Concen: 52.984 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

Tgt Ion:	65	Resp:	115854
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075695.D

Acq: 10 Dec 2022 07:10

Instrument :

MSVOA_N

ClientSampleId :

MW-30

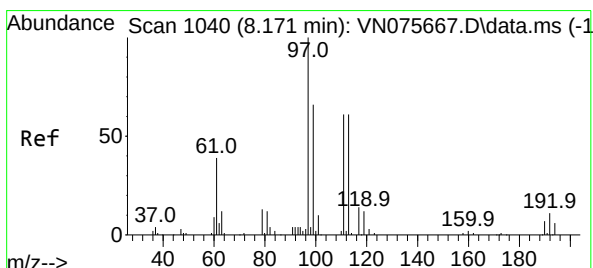
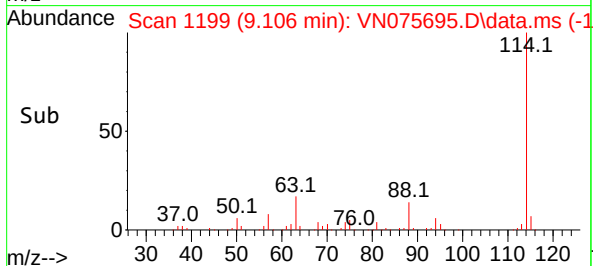
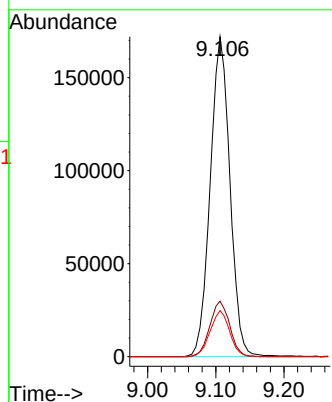
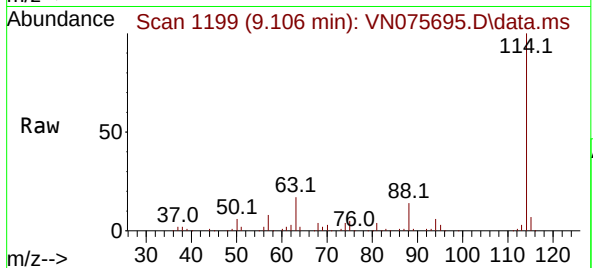
Tgt Ion:114 Resp: 346478

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 14.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 50.344 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075695.D

Acq: 10 Dec 2022 07:10

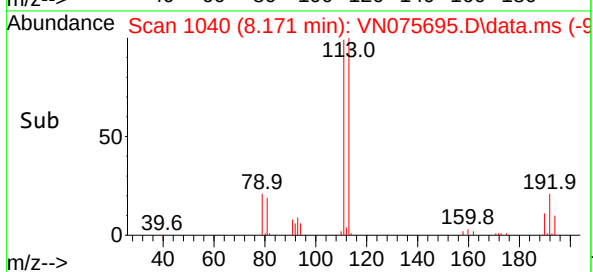
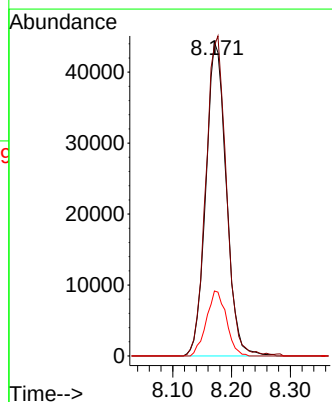
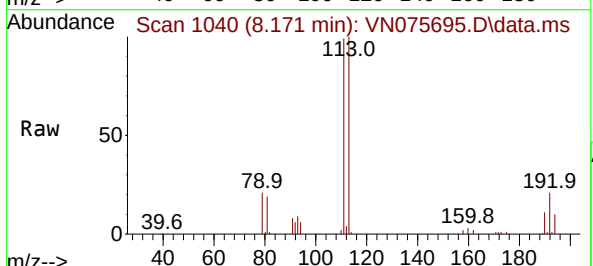
Tgt Ion:113 Resp: 106423

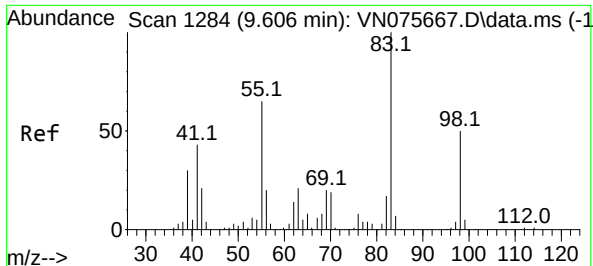
Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.6

192 20.3 16.2 24.2





#39

Methylcyclohexane

Concen: 0.338 ug/l

RT: 9.600 min Scan# 11283

Delta R.T. -0.006 min

Lab File: VN075695.D

Acq: 10 Dec 2022 07:10

Instrument :

MSVOA_N

ClientSampleId :

MW-30

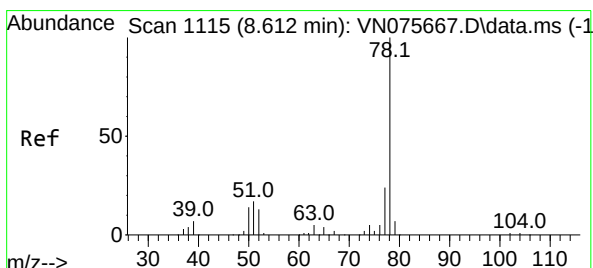
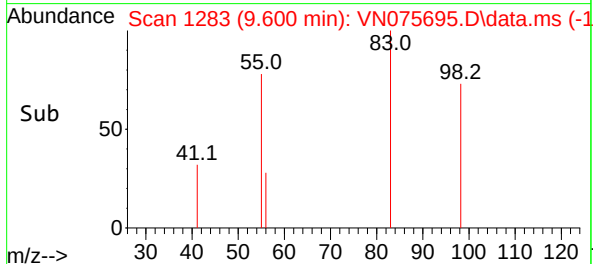
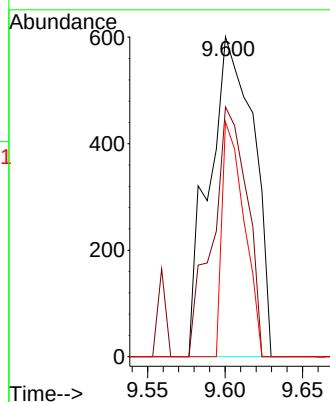
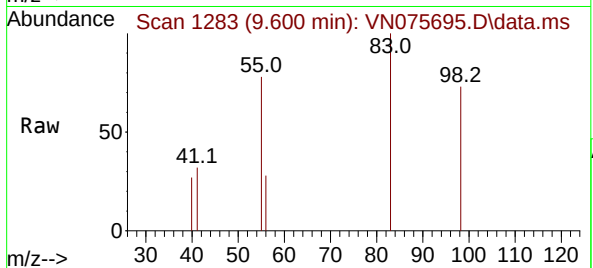
Tgt Ion: 83 Resp: 1202

Ion Ratio Lower Upper

83 100

55 78.0 51.6 77.4#

98 73.4 39.8 59.8#



#40

Benzene

Concen: 3.803 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075695.D

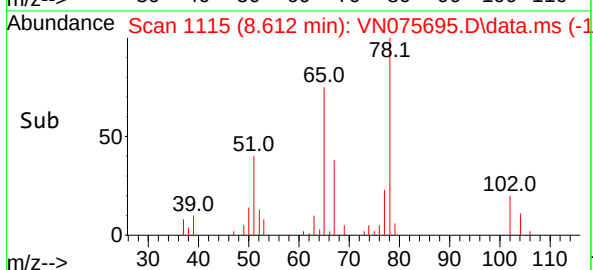
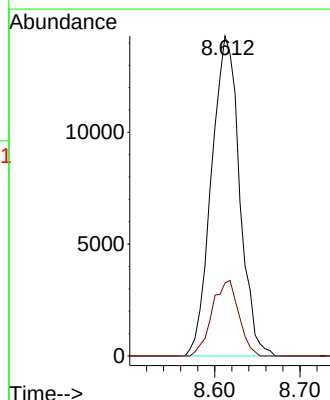
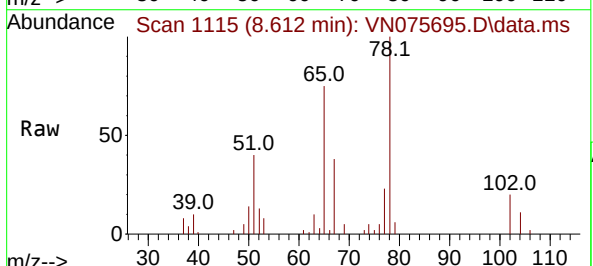
Acq: 10 Dec 2022 07:10

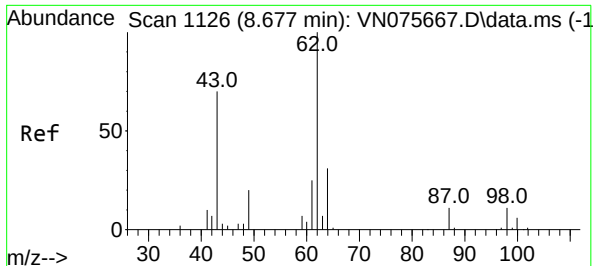
Tgt Ion: 78 Resp: 32757

Ion Ratio Lower Upper

78 100

77 22.8 19.1 28.7





#42

1,2-Dichloroethane

Concen: 4.822 ug/l

RT: 8.683 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN075695.D

Acq: 10 Dec 2022 07:10

Instrument :

MSVOA_N

ClientSampleId :

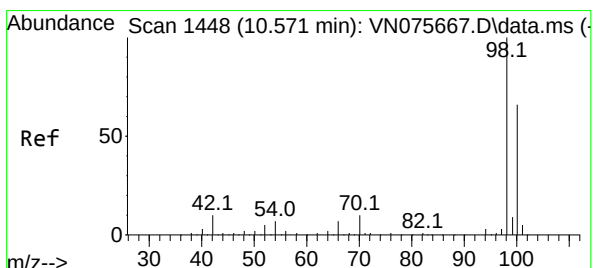
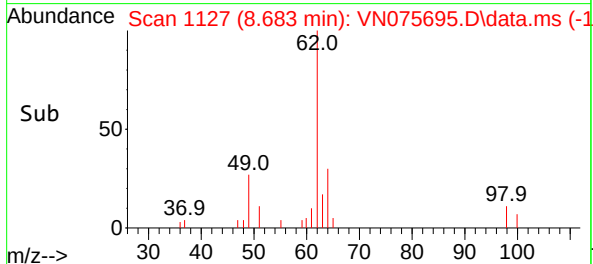
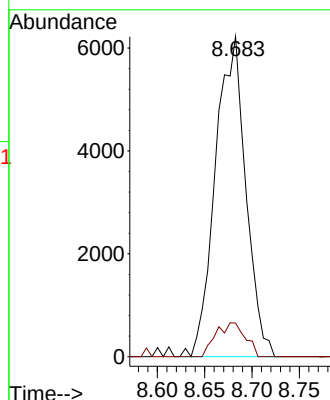
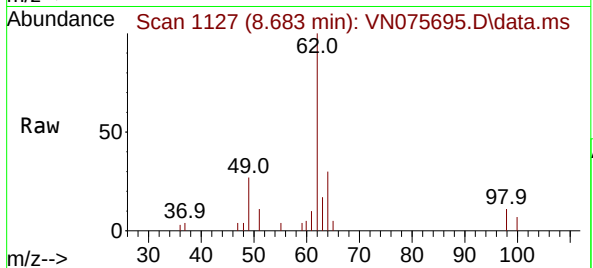
MW-30

Tgt Ion: 62 Resp: 13895

Ion Ratio Lower Upper

62 100

98 10.2 0.0 21.8



#50

Toluene-d8

Concen: 50.574 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075695.D

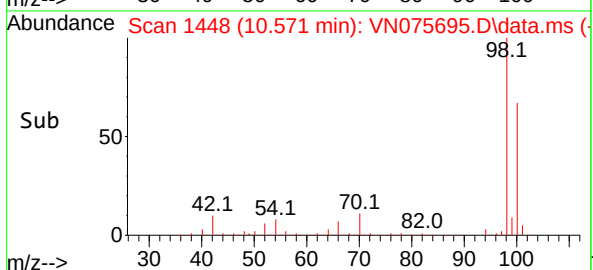
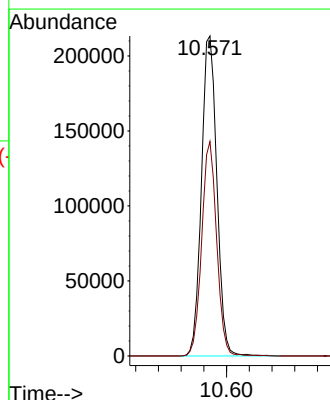
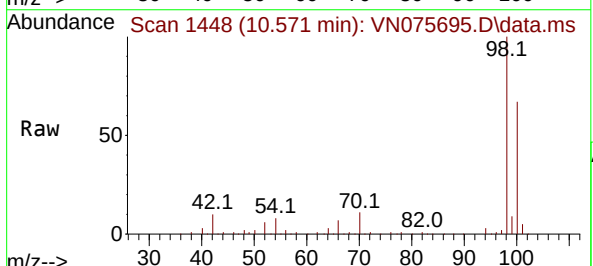
Acq: 10 Dec 2022 07:10

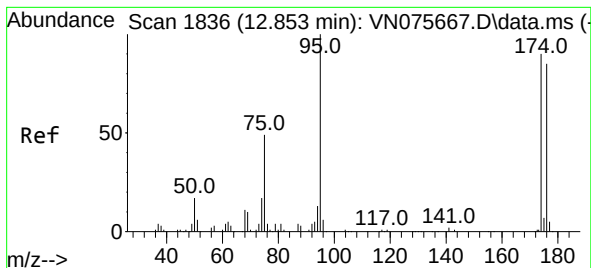
Tgt Ion: 98 Resp: 401488

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8

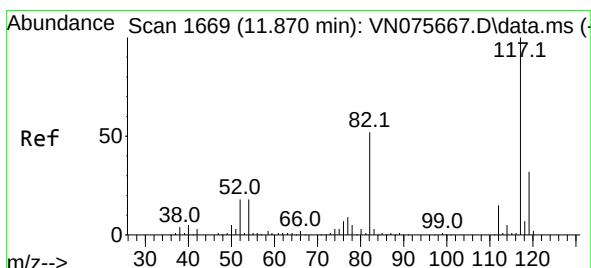
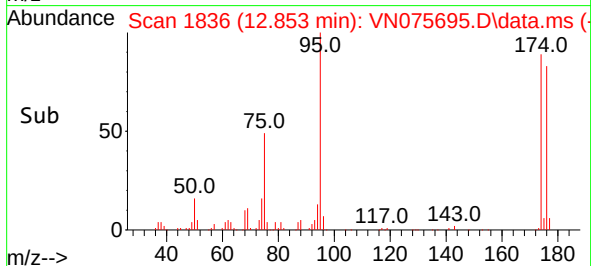
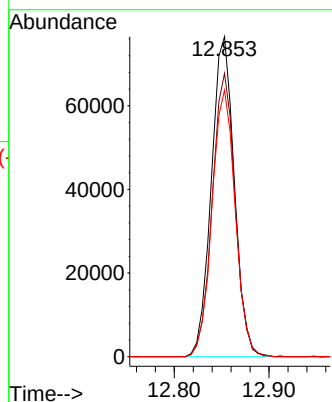
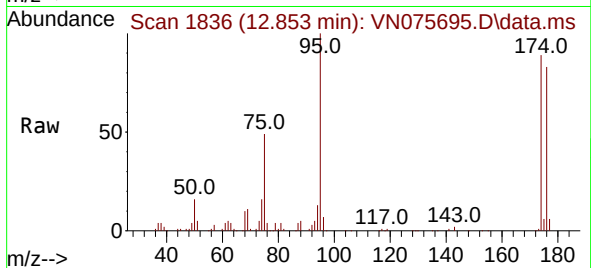




#62
4-Bromofluorobenzene
Concen: 47.422 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

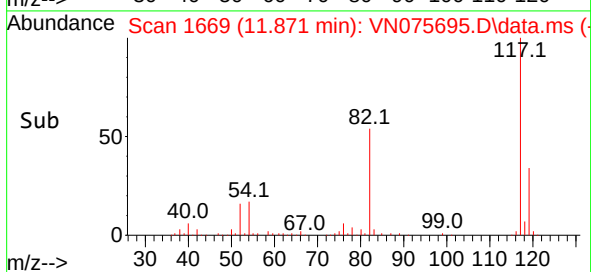
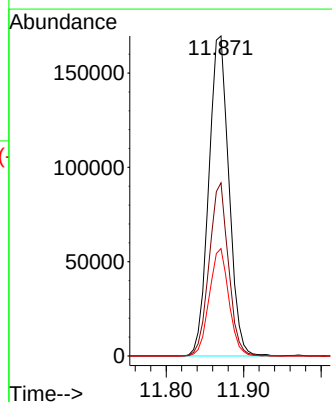
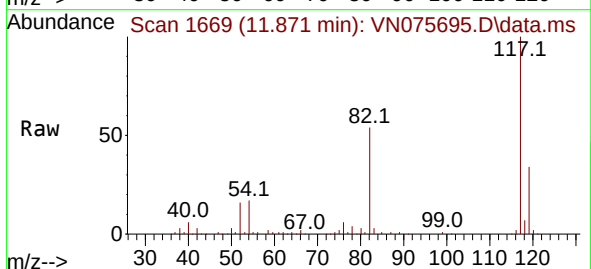
Instrument :
MSVOA_N
ClientSampleId :
MW-30

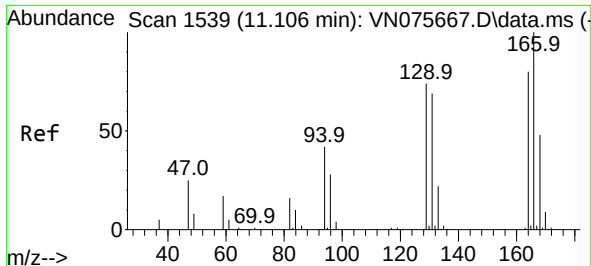
Tgt Ion: 95 Resp: 128717
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.6
176 84.3 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

Tgt Ion: 117 Resp: 306253
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.8
119 33.5 25.8 38.6

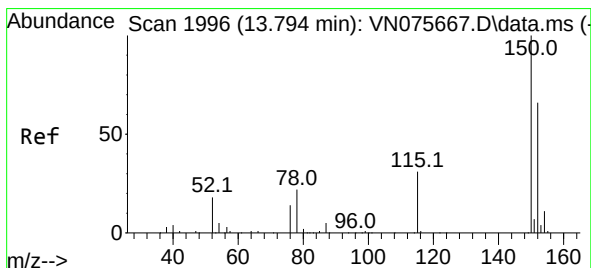
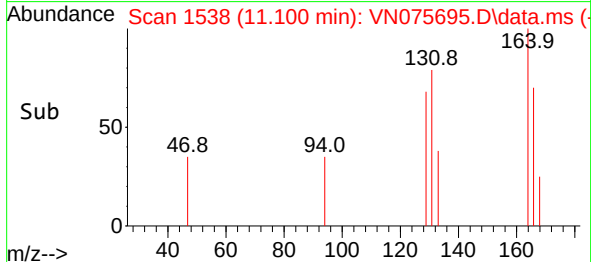
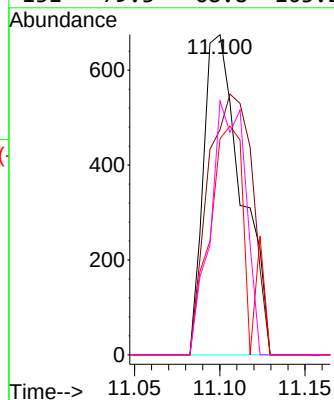
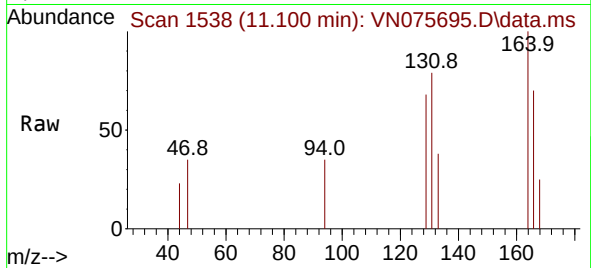




#64
Tetrachloroethene
Concen: 0.469 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

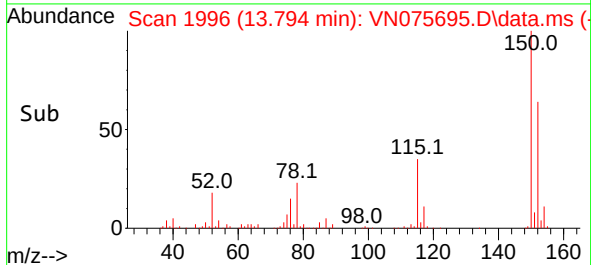
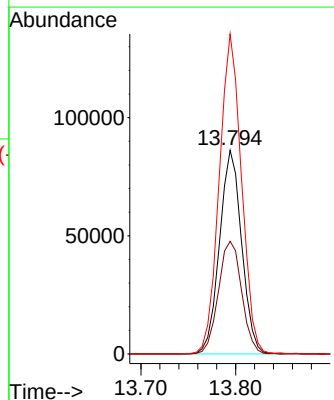
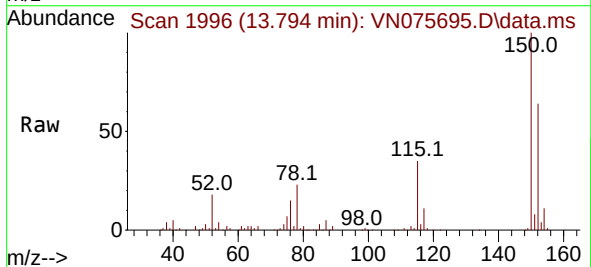
Instrument :
MSVOA_N
ClientSampleId :
MW-30

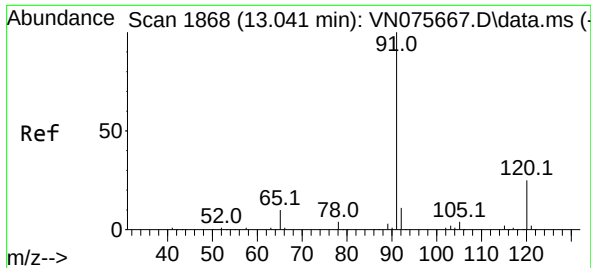
Tgt Ion:164 Resp: 1047
Ion Ratio Lower Upper
164 100
166 70.4 100.3 150.5#
129 67.6 73.9 110.9#
131 79.3 68.8 103.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075695.D
Acq: 10 Dec 2022 07:10

Tgt Ion:152 Resp: 140042
Ion Ratio Lower Upper
152 100
115 58.2 28.4 85.2
150 157.9 0.0 347.6





#78
 n-propylbenzene
 Concen: 0.255 ug/l
 RT: 13.041 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN075695.D
 Acq: 10 Dec 2022 07:10

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30

Tgt Ion: 91 Resp: 2847
 Ion Ratio Lower Upper
 91 100
 120 24.4 12.1 36.3

