

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029180.D
 Acq On : 19 Nov 2022 19:01
 Operator : SY/MD
 Sample : N5694-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB42

Quant Time: Nov 20 01:00:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 00:53:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	332441	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	299787	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	155780	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	110478	5.451	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	109.000%	
7) Chloroethane-d5	1.567	69	86555	4.858	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	97.200%	
11) 1,1-Dichloroethene-d2	2.108	63	175350	4.748	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	95.000%	
20) 2-Butanone-d5	3.876	46	197854	58.318	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.640%	
24) Chloroform-d	4.342	84	181895	4.371	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.400%	
26) 1,2-Dichloroethane-d4	5.027	65	85191	4.550	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.000%	
32) Benzene-d6	5.046	84	391590	4.376	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.600%	
36) 1,2-Dichloropropane-d6	6.066	67	115491	4.622	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.400%	
41) Toluene-d8	7.310	98	342570	4.253	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.000%	
43) trans-1,3-Dichloroprop...	7.619	79	34891	4.281	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.600%	
46) 2-Hexanone-d5	8.085	63	171546	49.315	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	98.640%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	79662	4.598	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	92.000%	
66) 1,2-Dichlorobenzene-d4	11.615	152	131722	4.726	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	94.600%	
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	98736	3.764	ug/L	90
12) 1,1-Dichloroethene	2.117	96	81029	4.026	ug/L	87
17) Methyl tert-butyl Ether	2.764	73	5494	0.127	ug/L #	57
18) trans-1,2-Dichloroethene	2.764	96	2478	0.106	ug/L	92
19) 1,1-Dichloroethane	3.185	63	522639	13.697	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	1001710	42.214	ug/L	99
27) 1,2-Dichloroethane	5.130	62	21424	1.040	ug/L #	93
29) 1,1,1-Trichloroethane	4.603	97	130153	3.700	ug/L	99
33) Benzene	5.095	78	515166	5.624	ug/L	100
34) Trichloroethene	5.908	95	234856	10.014	ug/L	98
42) Toluene	7.390	91	33117	0.335	ug/L	91
51) Chlorobenzene	8.879	112	7176	0.117	ug/L	90
52) Ethylbenzene	9.011	91	30965	0.301	ug/L	97
53) m,p-Xylene	9.136	106	17409	0.425	ug/L	98
54) o-Xylene	9.538	106	68293	1.753	ug/L	98
60) Isopropylbenzene	9.924	105	235293	2.327	ug/L	99

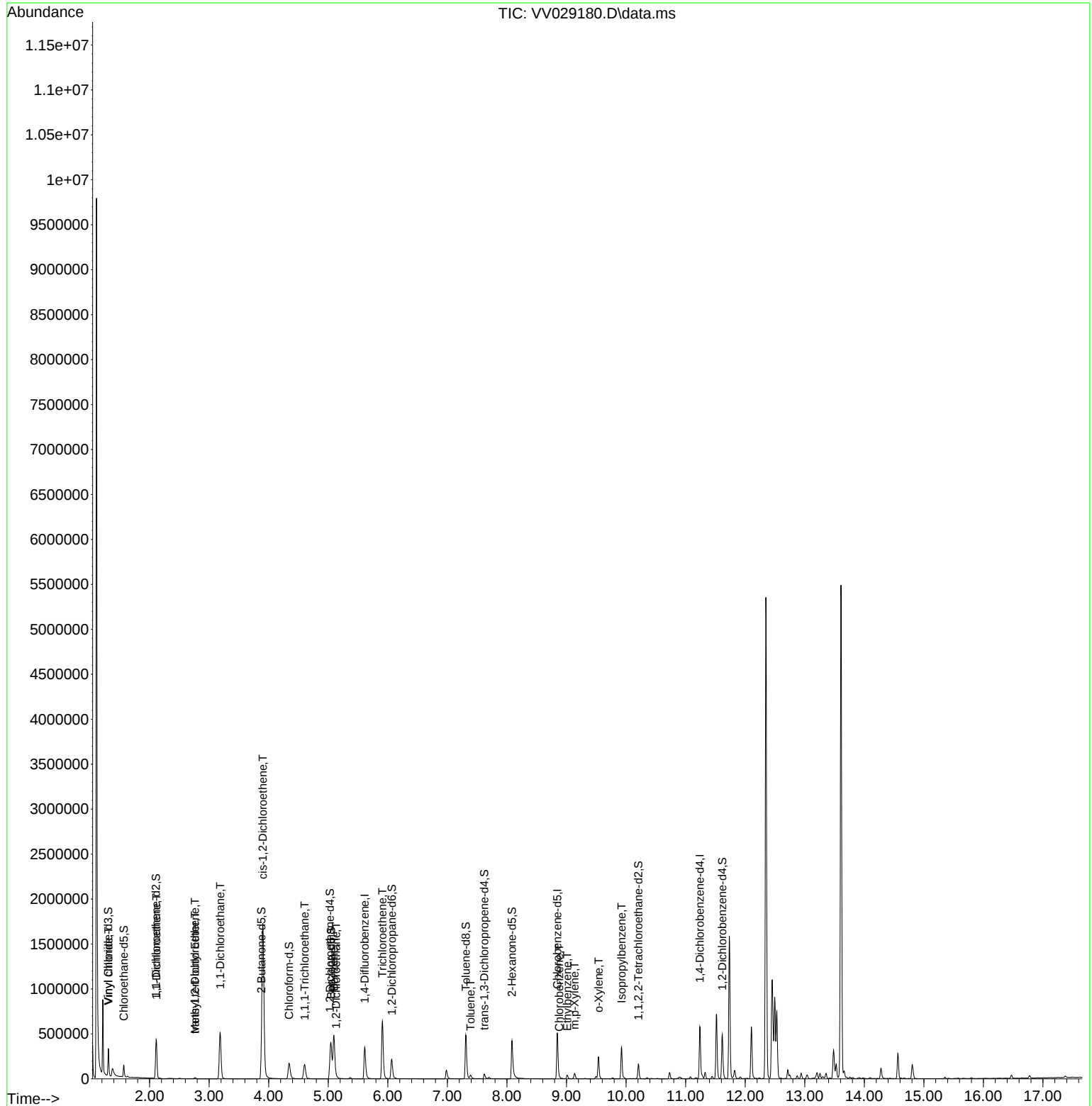
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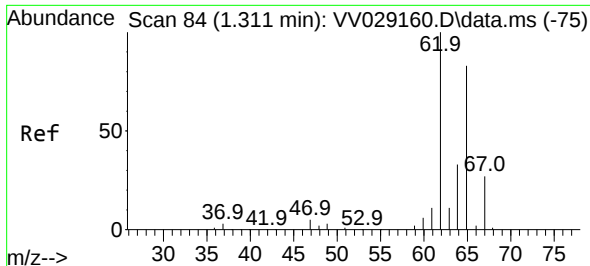
Instrument :
MSVOA_V
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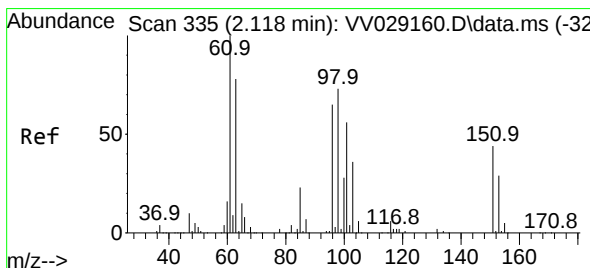
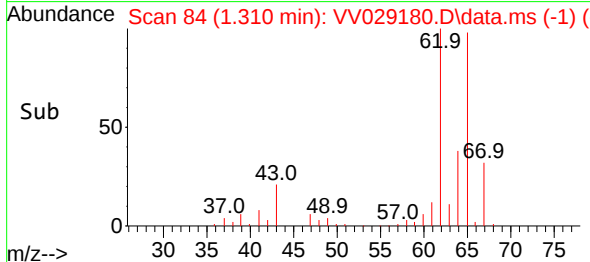
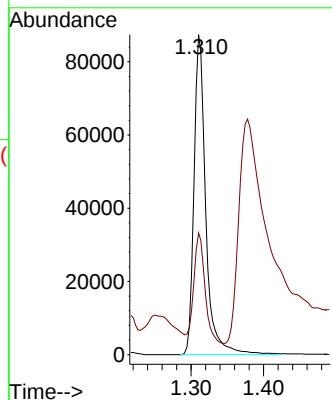
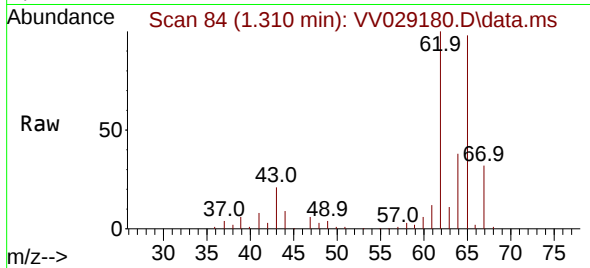




#5
 Vinyl chloride
 Concen: 3.764 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029180.D
 Acq: 19 Nov 2022 19:01

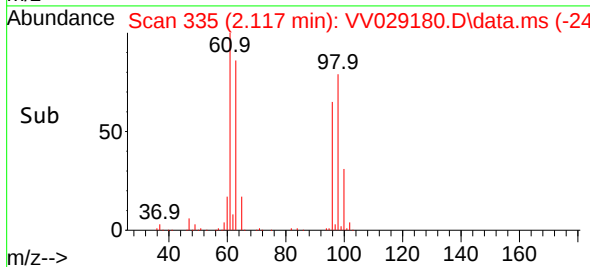
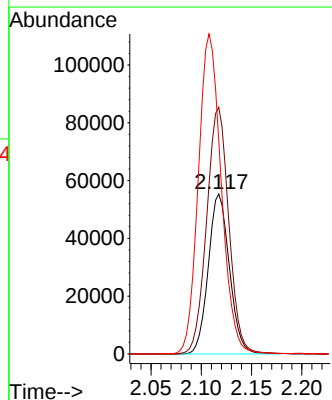
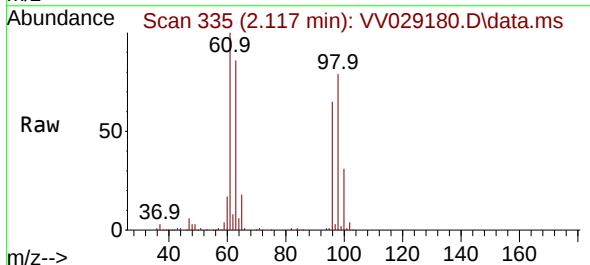
Instrument :
 MSVOA_V
 ClientSampleId :
 BHB42

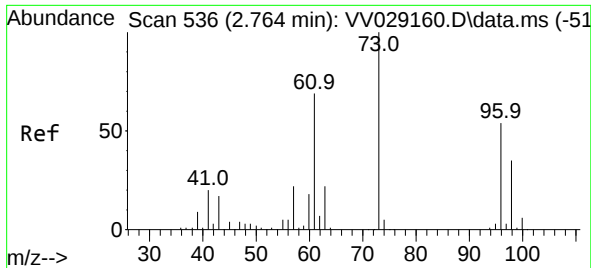
Tgt Ion: 62 Resp: 98736
 Ion Ratio Lower Upper
 62 100
 64 38.0 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 4.026 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV029180.D
 Acq: 19 Nov 2022 19:01

Tgt Ion: 96 Resp: 81029
 Ion Ratio Lower Upper
 96 100
 61 154.2 104.2 193.4
 63 133.4 75.9 140.9





#17

Methyl tert-butyl Ether

Concen: 0.127 ug/L

RT: 2.764 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

Instrument :

MSVOA_V

ClientSampleId :

BHB42

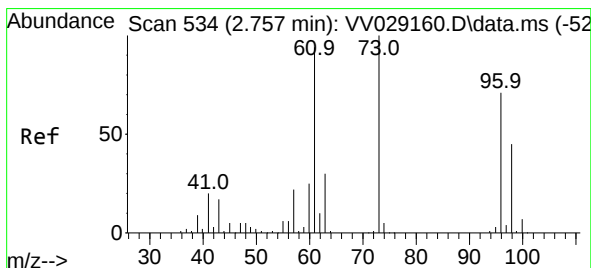
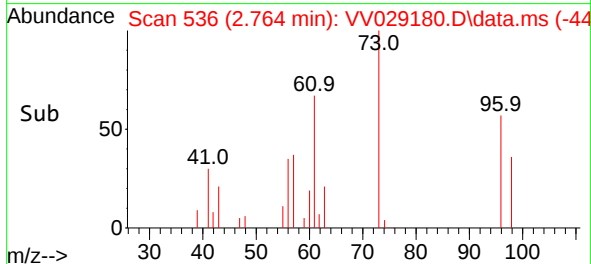
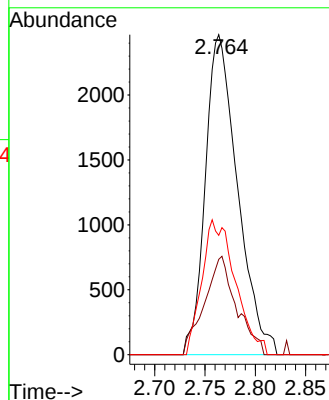
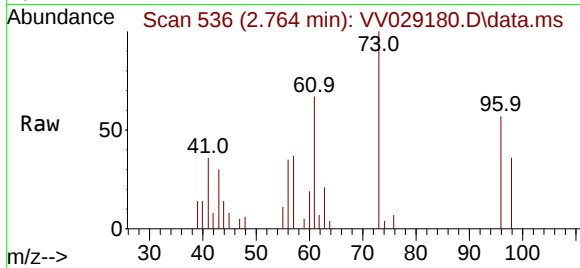
Tgt Ion: 73 Resp: 5494

Ion Ratio Lower Upper

73 100

43 30.6 13.0 19.4#

57 43.7 16.6 24.8#



#18

trans-1,2-Dichloroethene

Concen: 0.106 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.006 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

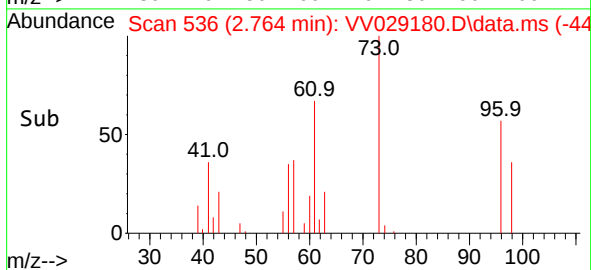
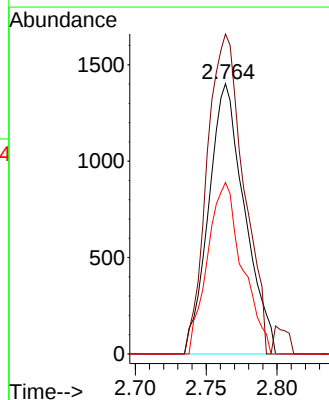
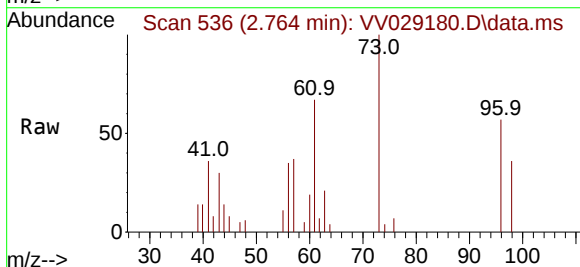
Tgt Ion: 96 Resp: 2478

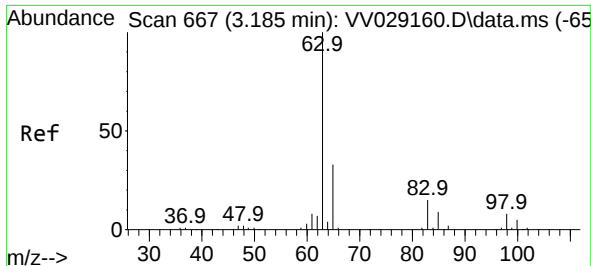
Ion Ratio Lower Upper

96 100

61 118.4 91.8 170.6

98 63.5 46.4 86.2





#19

1,1-Dichloroethane

Concen: 13.697 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

Instrument :

MSVOA_V

ClientSampleId :

BHB42

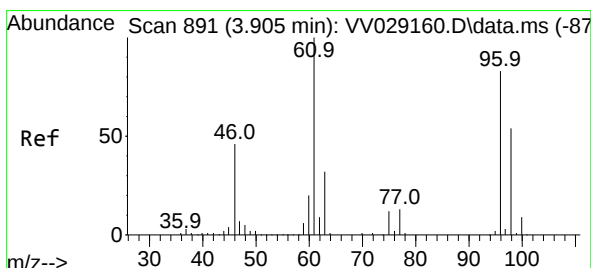
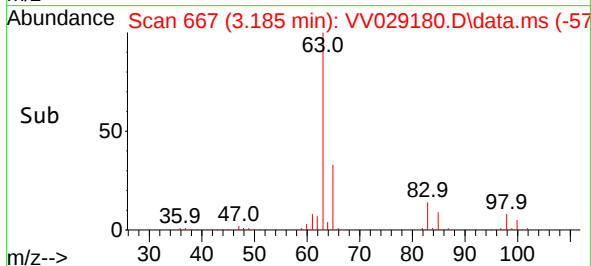
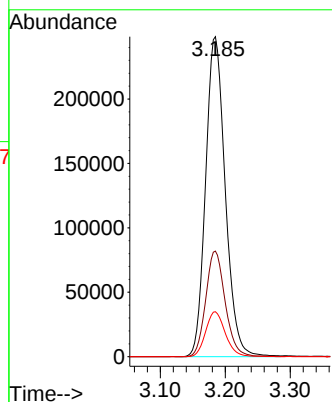
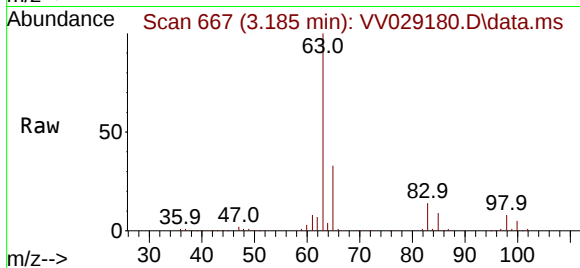
Tgt Ion: 63 Resp: 522639

Ion Ratio Lower Upper

63 100

65 33.0 23.0 42.6

83 14.1 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 42.214 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.004 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

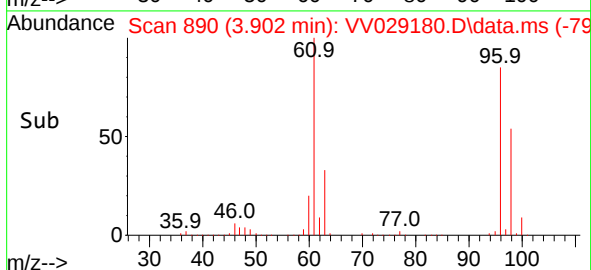
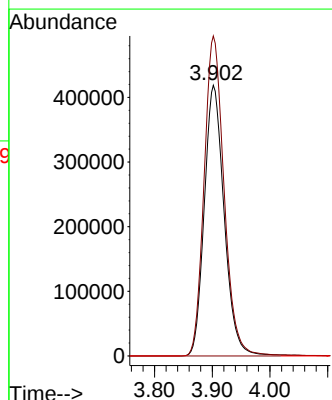
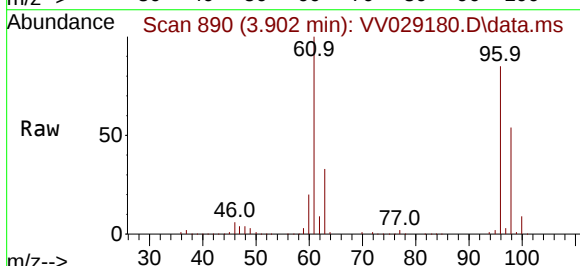
Tgt Ion: 96 Resp: 1001710

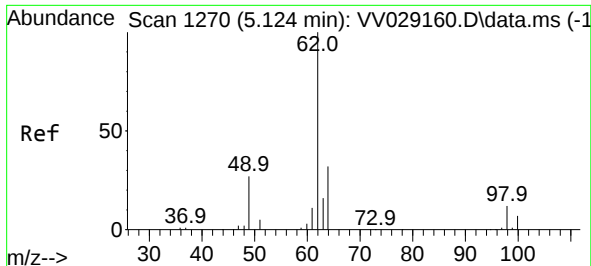
Ion Ratio Lower Upper

96 100

61 118.2 82.3 152.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.040 ug/L

RT: 5.130 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

Instrument :

MSVOA_V

ClientSampleId :

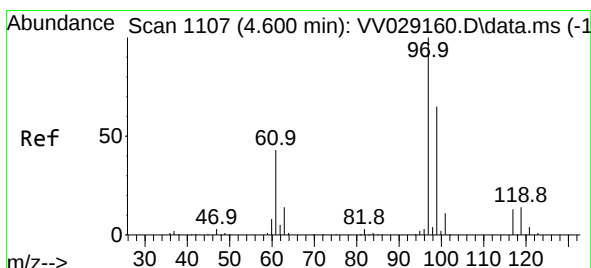
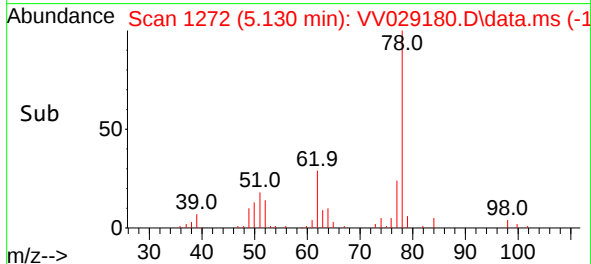
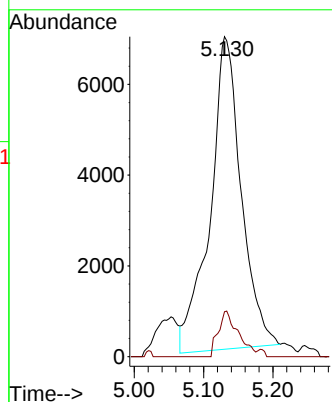
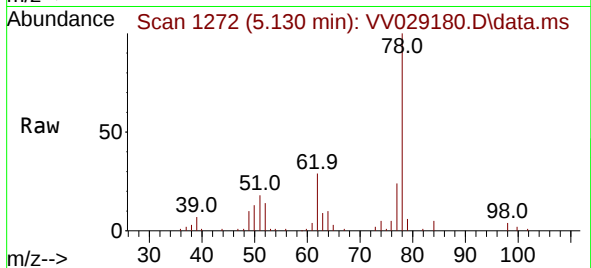
BHB42

Tgt Ion: 62 Resp: 21424

Ion Ratio Lower Upper

62 100

98 14.0 9.0 13.6#



#29

1,1,1-Trichloroethane

Concen: 3.700 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

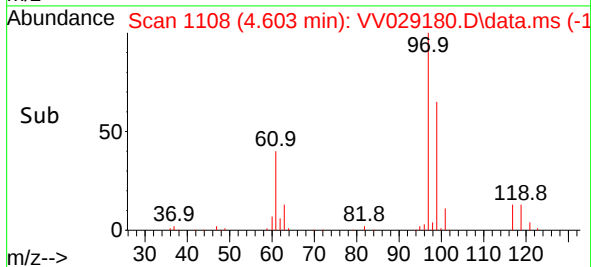
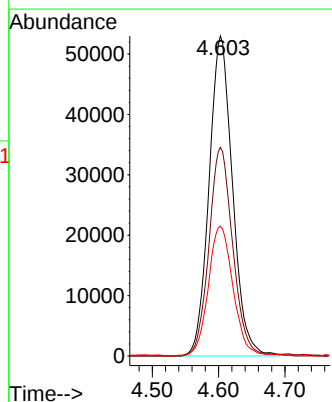
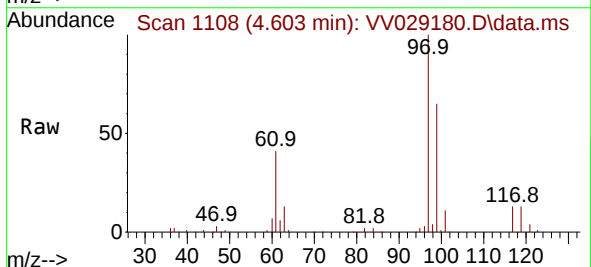
Tgt Ion: 97 Resp: 130153

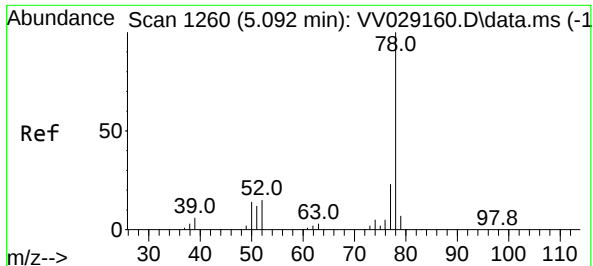
Ion Ratio Lower Upper

97 100

99 66.3 52.7 79.1

61 42.8 33.8 50.6

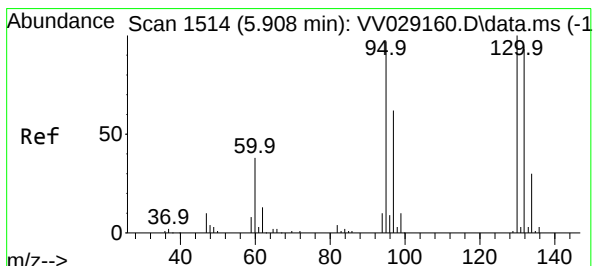
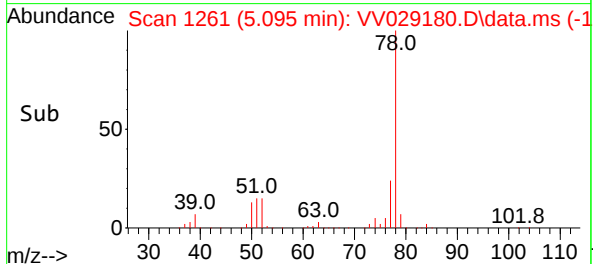
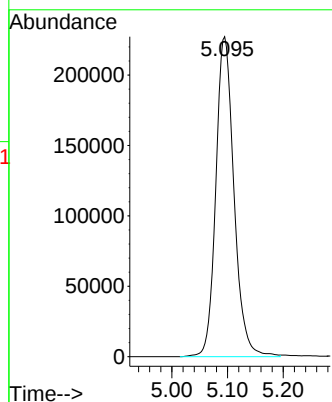
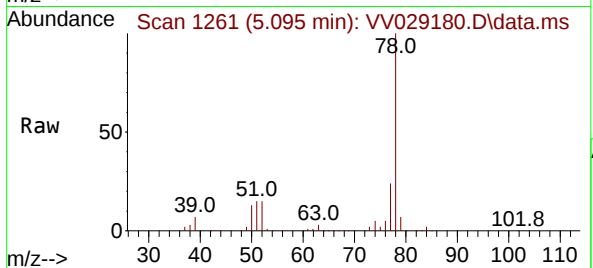




#33
Benzene
Concen: 5.624 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029180.D
Acq: 19 Nov 2022 19:01

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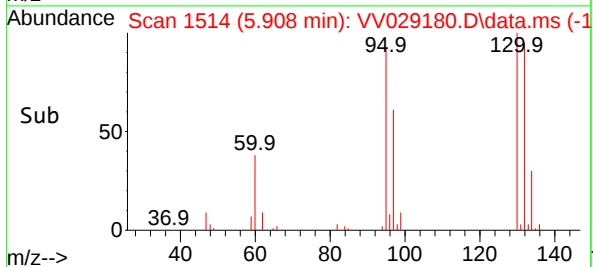
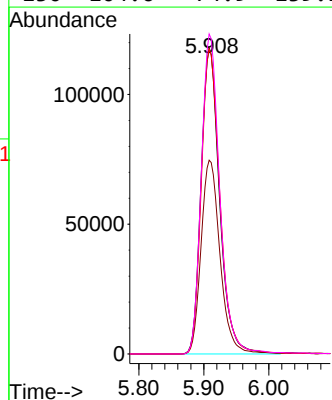
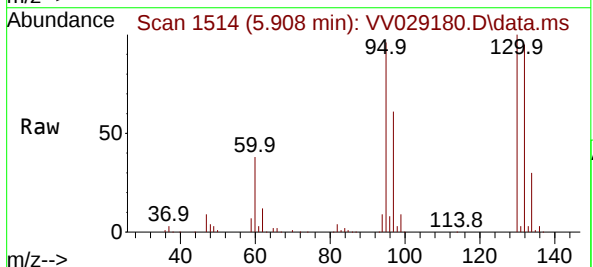
Tgt Ion: 78 Resp: 515166

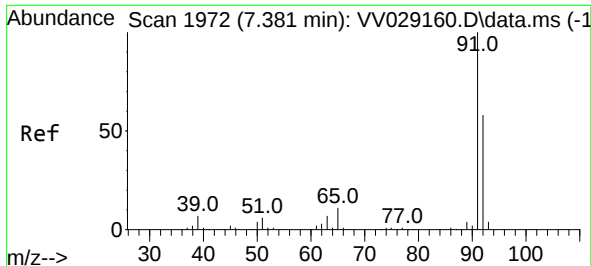


#34
Trichloroethene
Concen: 10.014 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VV029180.D
Acq: 19 Nov 2022 19:01

Tgt Ion: 95 Resp: 234856

Ion	Ratio	Lower	Upper
95	100		
97	63.4	45.6	84.8
132	99.7	69.1	128.3
130	104.6	74.9	139.1





#42

Toluene

Concen: 0.335 ug/L

RT: 7.390 min Scan# 1972

Delta R.T. 0.009 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

Instrument :

MSVOA_V

ClientSampleId :

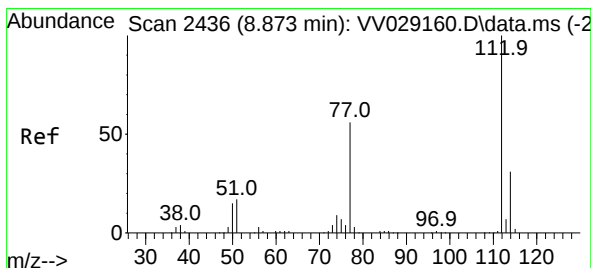
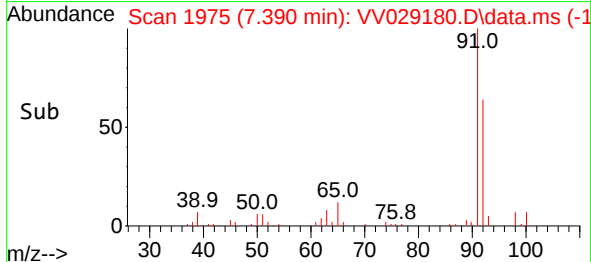
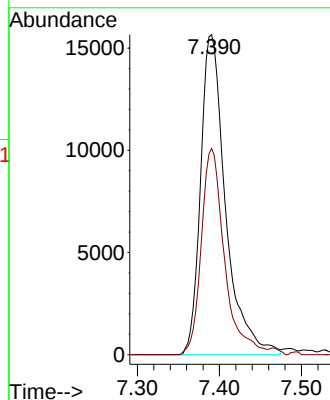
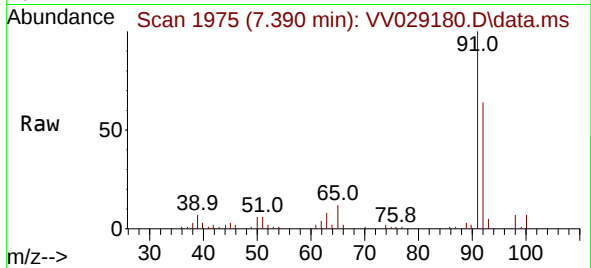
BHB42

Tgt Ion: 91 Resp: 33117

Ion Ratio Lower Upper

91 100

92 64.4 40.7 75.5



#51

Chlorobenzene

Concen: 0.117 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.006 min

Lab File: VV029180.D

Acq: 19 Nov 2022 19:01

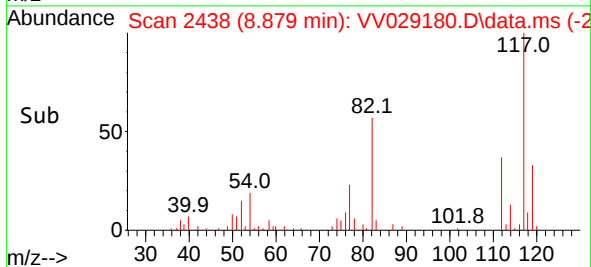
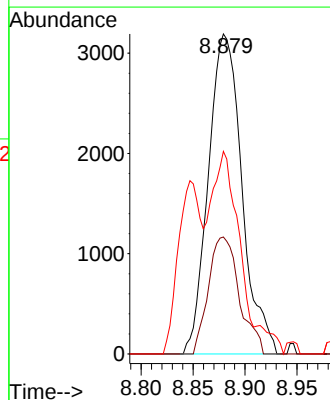
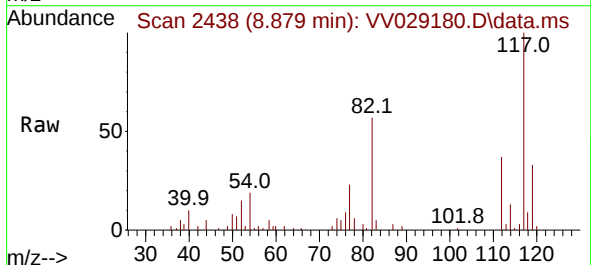
Tgt Ion: 112 Resp: 7176

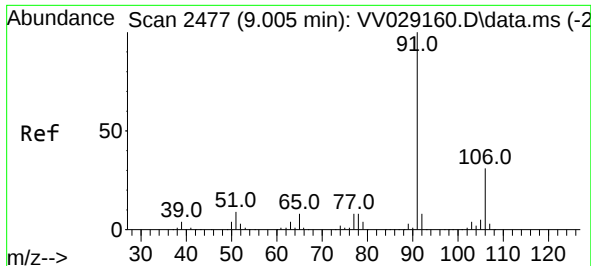
Ion Ratio Lower Upper

112 100

114 36.6 22.4 41.6

77 63.3 44.4 66.6





#52

Ethylbenzene

Concen: 0.301 ug/L

RT: 9.011 min Scan# 2477

Delta R.T. 0.006 min

Lab File: VV029180.D

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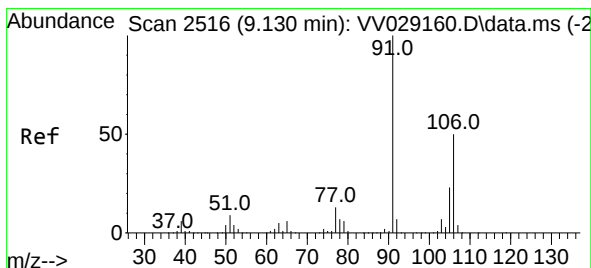
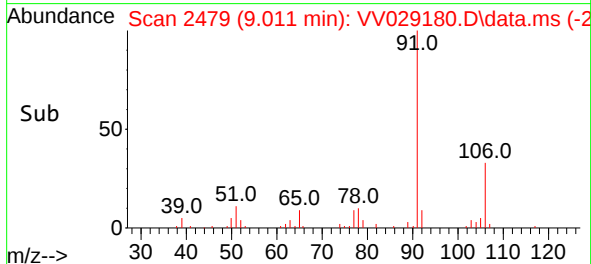
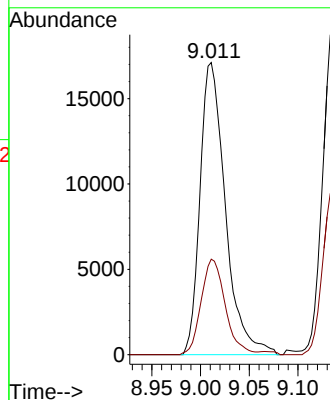
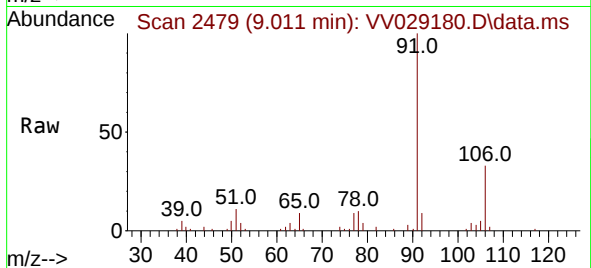
BHB42

Tgt Ion: 91 Resp: 30965

Ion Ratio Lower Upper

91 100

106 32.7 21.6 40.2



#53

m,p-Xylene

Concen: 0.425 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.006 min

Lab File: VV029180.D

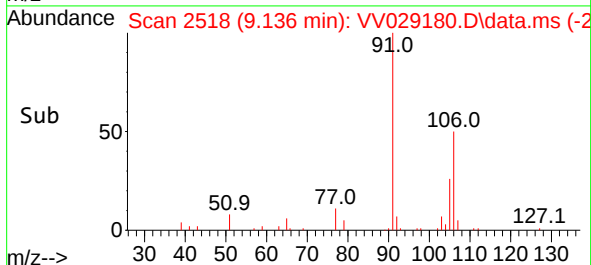
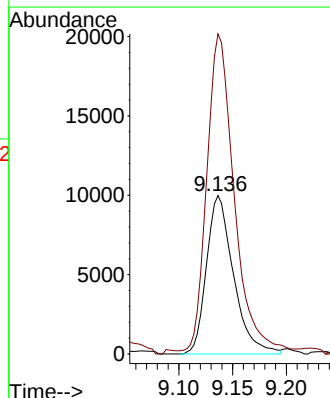
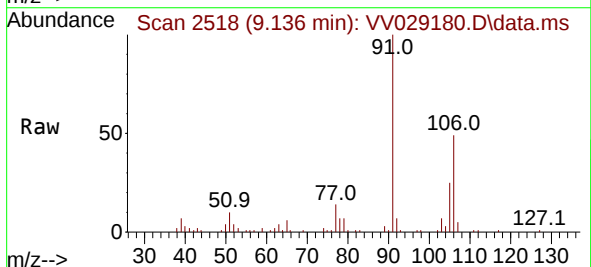
Acq: 19 Nov 2022 19:01

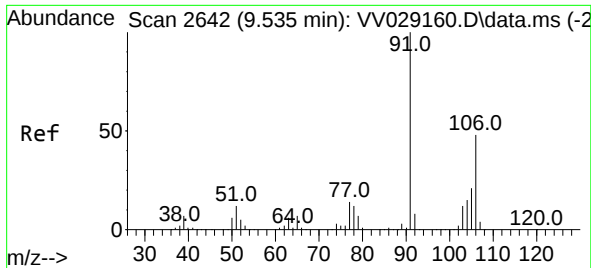
Tgt Ion: 106 Resp: 17409

Ion Ratio Lower Upper

106 100

91 202.0 139.1 258.3

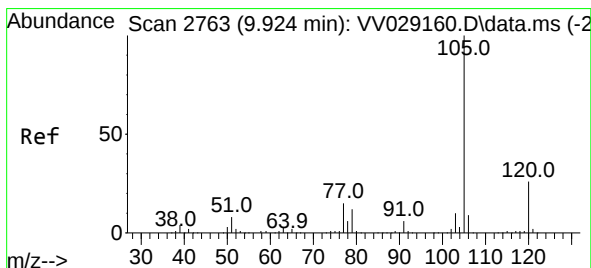
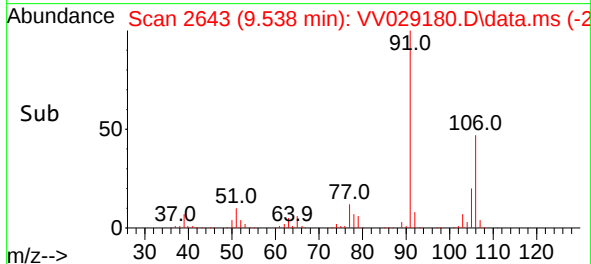
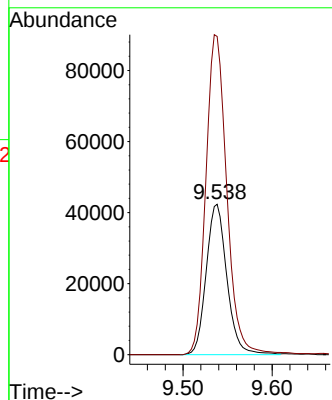
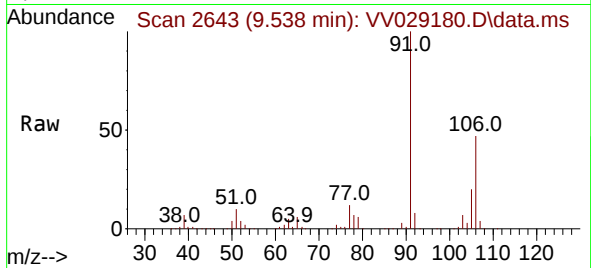




#54
o-Xylene
Concen: 1.753 ug/L
RT: 9.538 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV029180.D
Acq: 19 Nov 2022 19:01

Instrument :
MSVOA_V
ClientSampleId :
BHB42

Tgt Ion:106 Resp: 68293
Ion Ratio Lower Upper
106 100
91 211.7 145.7 270.7



#60
Isopropylbenzene
Concen: 2.327 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. -0.000 min
Lab File: VV029180.D
Acq: 19 Nov 2022 19:01

Tgt Ion:105 Resp: 235293
Ion Ratio Lower Upper
105 100
120 26.1 21.3 31.9
77 15.2 11.8 17.8

