

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029179.D
 Acq On : 19 Nov 2022 18:37
 Operator : SY/MD
 Sample : N5694-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB41

Quant Time: Nov 20 01:00:35 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	5.613	114	320159	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	299906	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	146447	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	113149	5.797	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.000%
7) Chloroethane-d5	1.568	69	90504	5.274	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.400%
11) 1,1-Dichloroethene-d2	2.108	63	154051	4.331	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.600%
20) 2-Butanone-d5	3.880	46	205411	62.869	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.740%
24) Chloroform-d	4.343	84	195848	4.887	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.027	65	88204	4.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
32) Benzene-d6	5.047	84	426247	4.762	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.063	67	122631	4.906	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.310	98	360314	4.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.619	79	36770	4.510	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.085	63	169244	48.634	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.260%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	83631	4.826	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	11.616	152	140144	5.349	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2019	0.091	ug/L	94
5) Vinyl chloride	1.311	62	196014	7.758	ug/L	96
8) Chloroethane	1.420	64	139302	9.383	ug/L #	52
12) 1,1-Dichloroethene	2.118	96	26159	1.350	ug/L #	3
14) Carbon disulfide	2.294	76	11289	0.164	ug/L	100
17) Methyl tert-butyl Ether	2.764	73	11064	0.266	ug/L #	81
18) trans-1,2-Dichloroethene	2.764	96	2203	0.098	ug/L	92
19) 1,1-Dichloroethane	3.185	63	393338	10.704	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	387172	16.942	ug/L	99
25) Chloroform	4.372	83	4508	0.117	ug/L	97
27) 1,2-Dichloroethane	5.137	62	13578	0.684	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	200579	5.700	ug/L	99
31) Carbon tetrachloride	4.603	117	26635	0.879	ug/L	98
33) Benzene	5.095	78	92341	1.008	ug/L	100
34) Trichloroethene	5.912	95	97981	4.176	ug/L	98
35) Methylcyclohexane	6.063	83	29415	0.713	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	12664	0.599	ug/L #	85
42) Toluene	7.391	91	45571	0.460	ug/L	98
52) Ethylbenzene	9.011	91	31299	0.304	ug/L	98

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

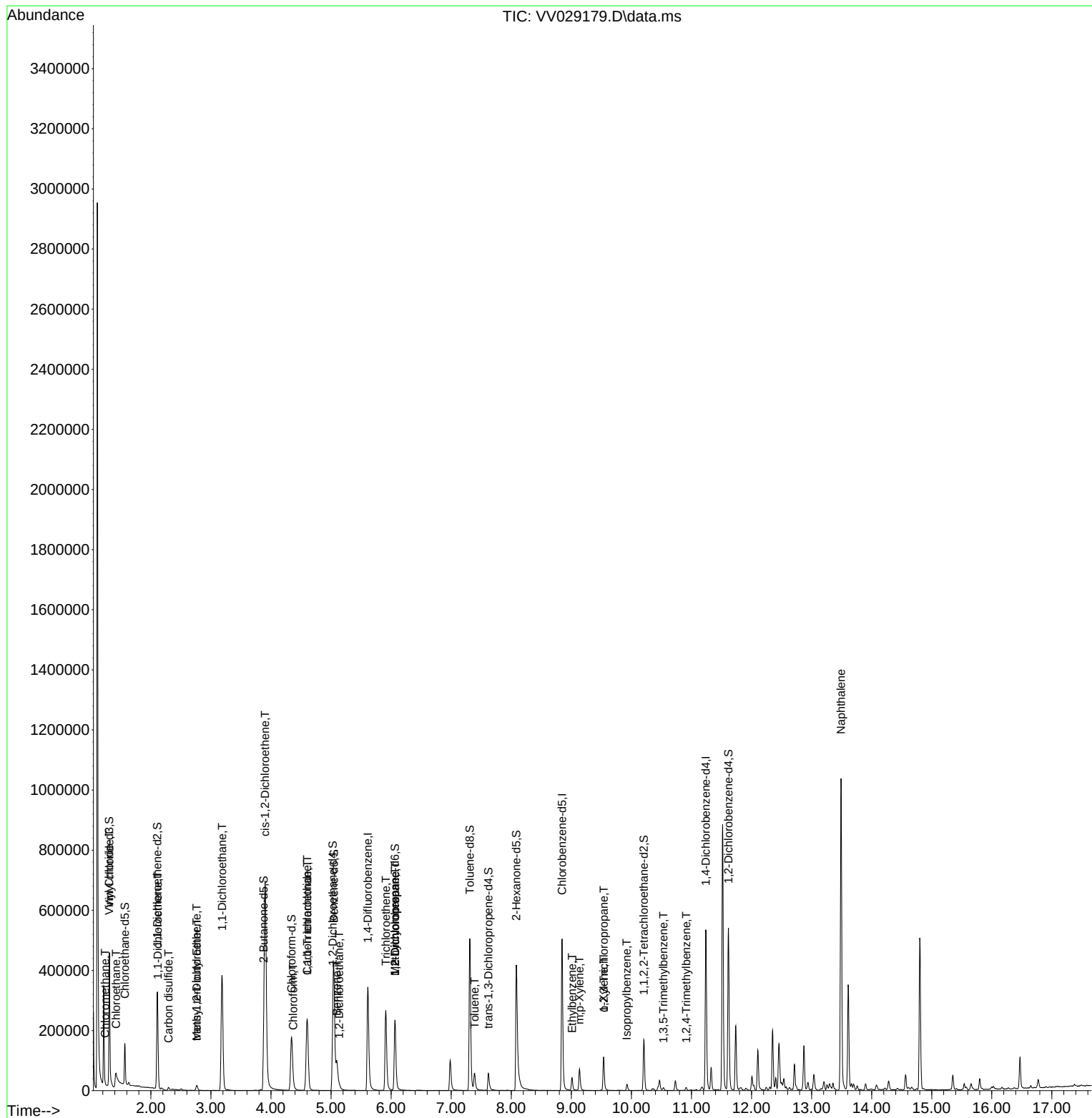
53) m,p-Xylene	9.137	106	22122	0.540	ug/L	98
54) o-Xylene	9.539	106	32324	0.829	ug/L	97
60) Isopropylbenzene	9.924	105	14072	0.148	ug/L	98
61) 1,2,3-Trichloropropane	9.539	75	740	0.074	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.532	105	5180	0.064	ug/L	95
63) 1,2,4-Trimethylbenzene	10.911	105	6139	0.076	ug/L	98
71) Naphthalene	13.490	128	794736	23.632	ug/L	99

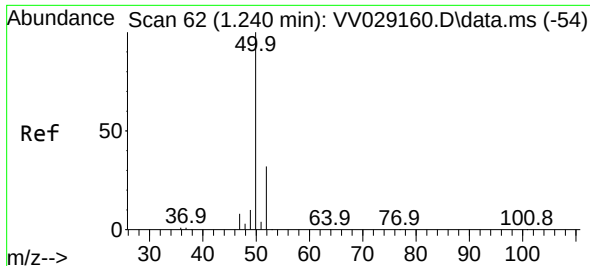
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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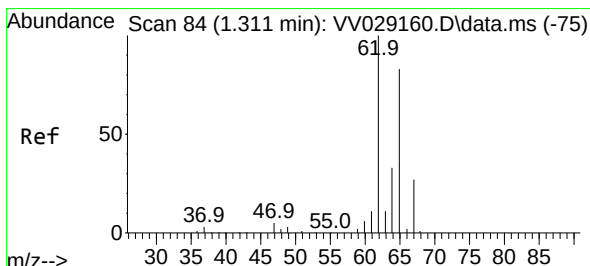
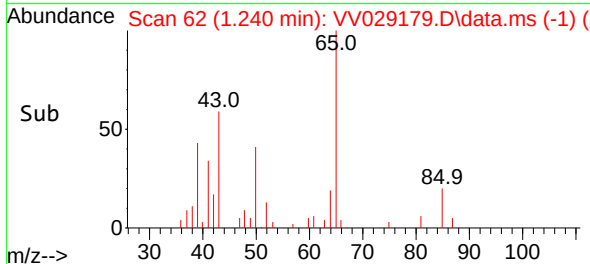
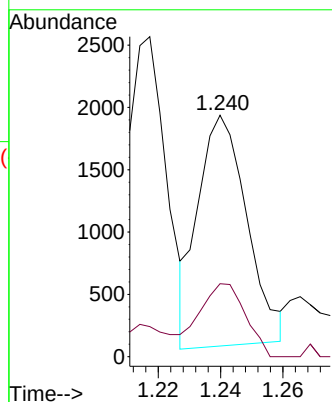
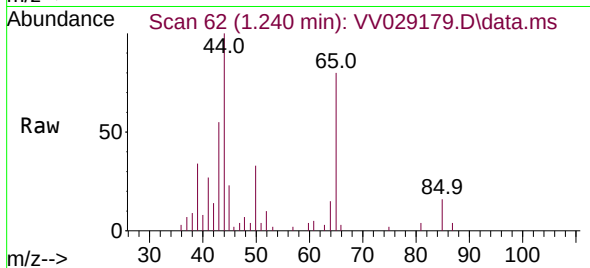




#3
Chloromethane
Concen: 0.091 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

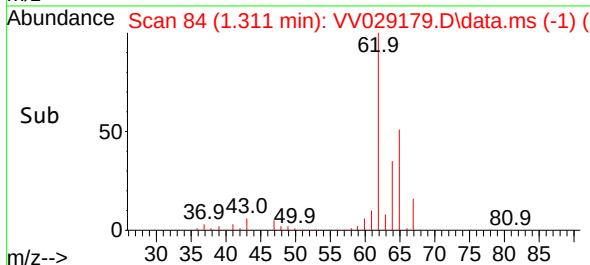
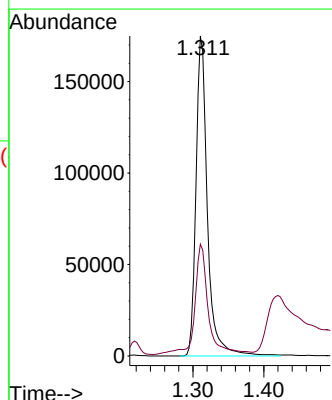
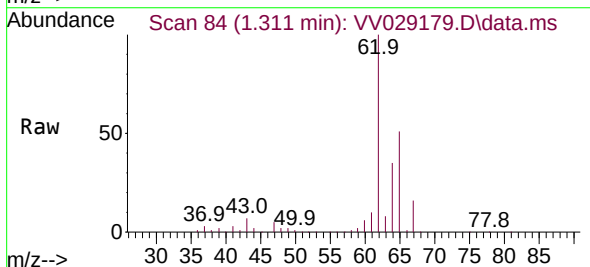
Instrument :
MSVOA_V
ClientSampleId :
BHB41

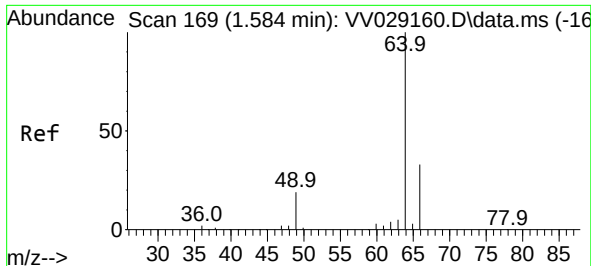
Tgt Ion: 50 Resp: 2019
Ion Ratio Lower Upper
50 100
52 30.2 23.7 43.9



#5
Vinyl chloride
Concen: 7.758 ug/L
RT: 1.311 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 62 Resp: 196014
Ion Ratio Lower Upper
62 100
64 35.0 22.8 42.4

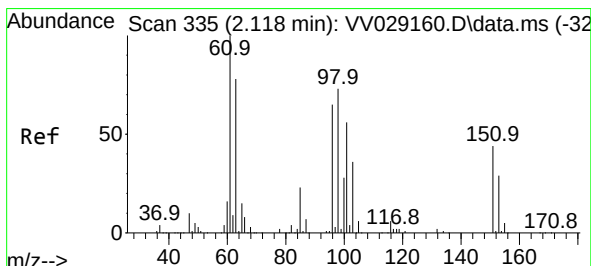
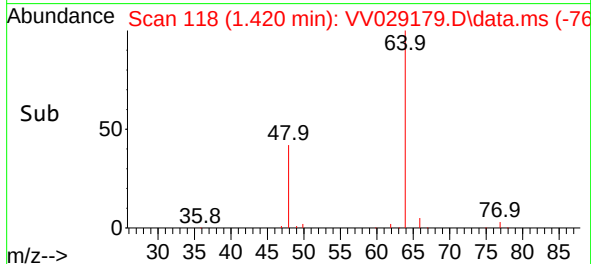
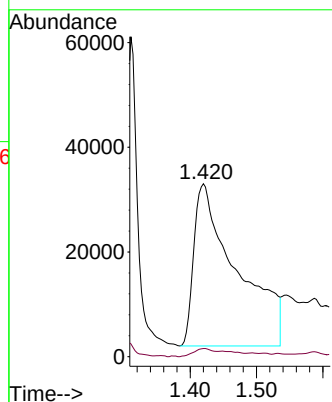
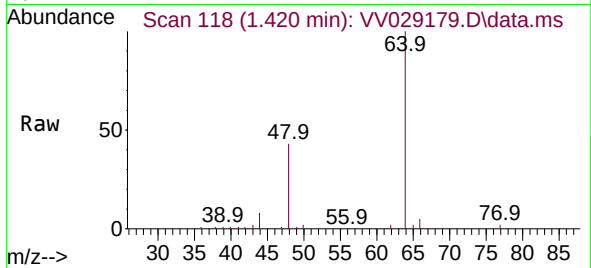




#8
Chloroethane
Concen: 9.383 ug/L
RT: 1.420 min Scan# 118
Delta R.T. -0.164 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

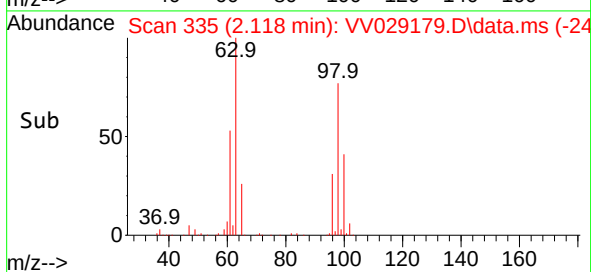
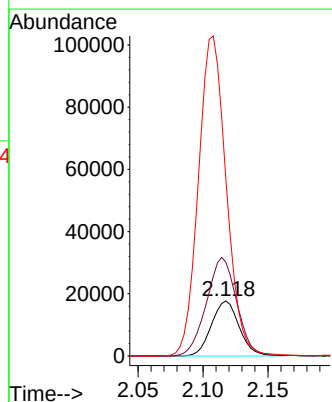
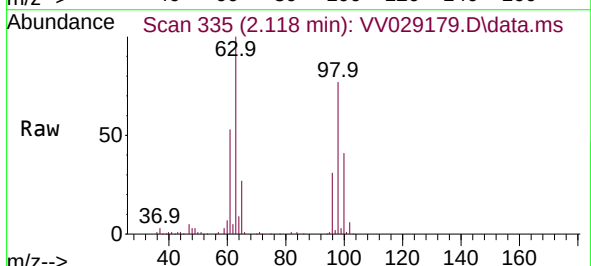
Instrument :
MSVOA_V
ClientSampleId :
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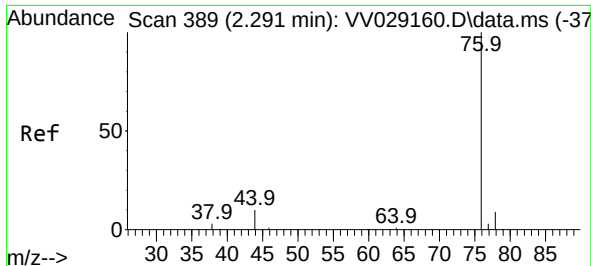
Tgt Ion: 64 Resp: 139302
Ion Ratio Lower Upper
64 100
66 4.7 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 1.350 ug/L
RT: 2.118 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 96 Resp: 26159
Ion Ratio Lower Upper
96 100
61 170.9 104.2 193.4
63 323.2 75.9 140.9#

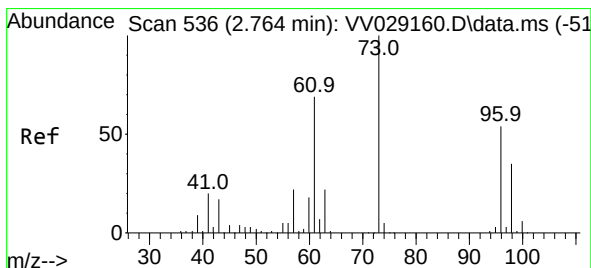
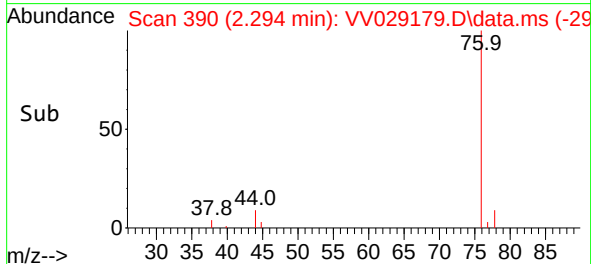
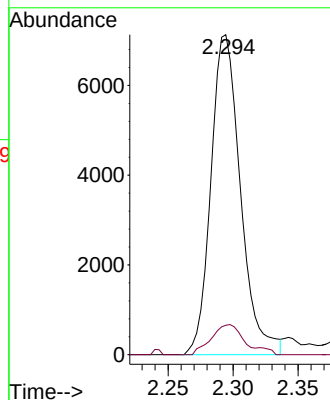
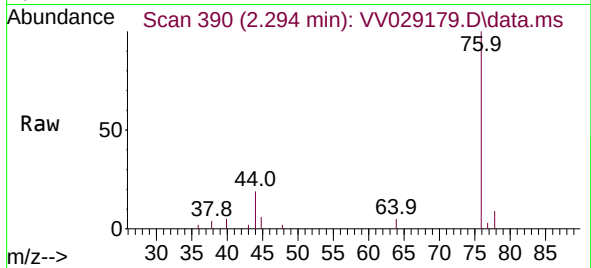




#14
Carbon disulfide
Concen: 0.164 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

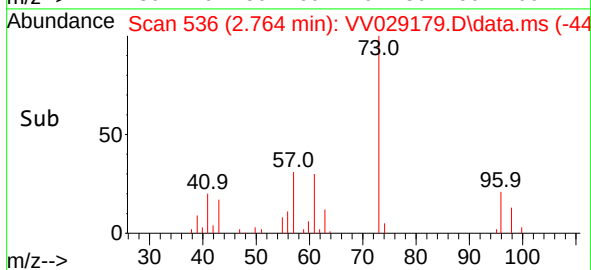
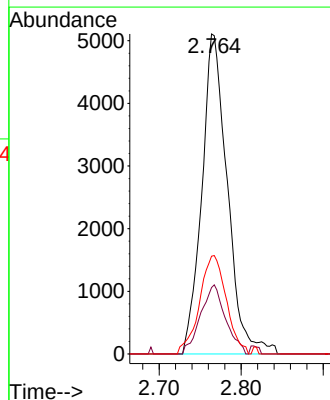
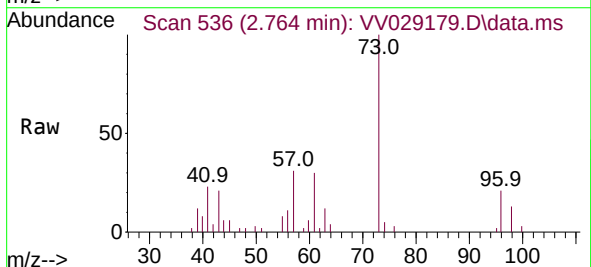
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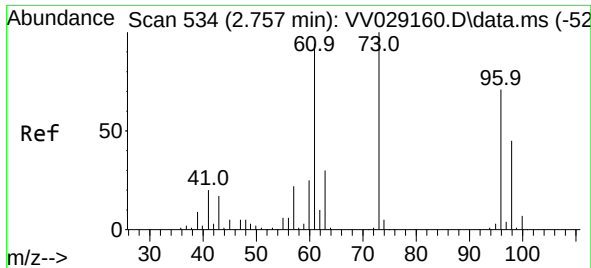
Tgt Ion: 76 Resp: 11289
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#17
Methyl tert-butyl Ether
Concen: 0.266 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.000 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 73 Resp: 11064
Ion Ratio Lower Upper
73 100
43 21.1 13.0 19.4#
57 32.2 16.6 24.8#

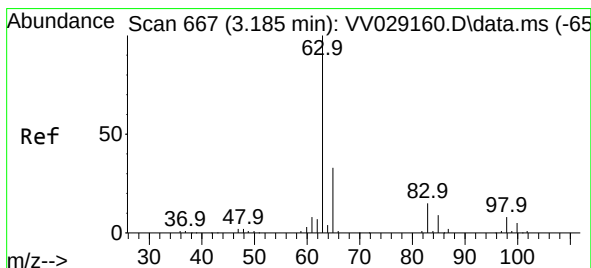
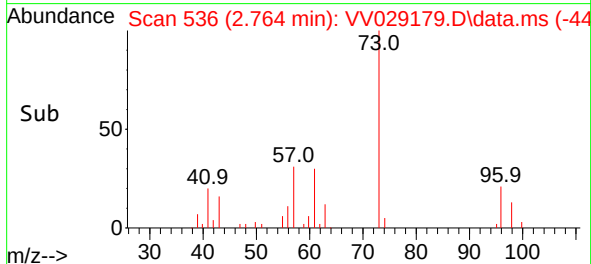
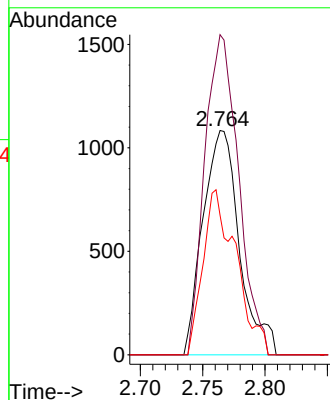
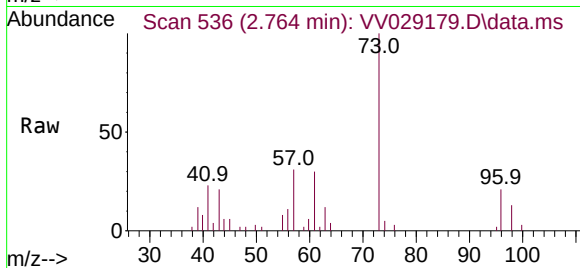




#18
trans-1,2-Dichloroethene
Concen: 0.098 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

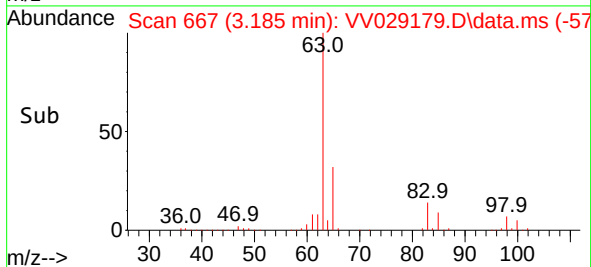
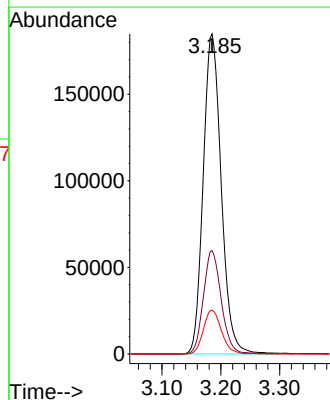
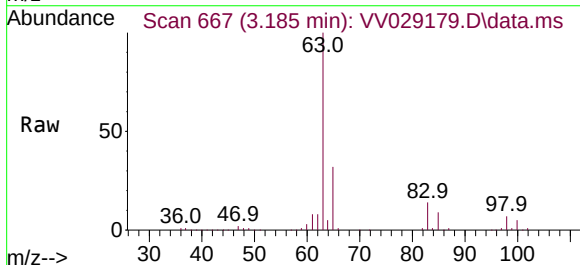
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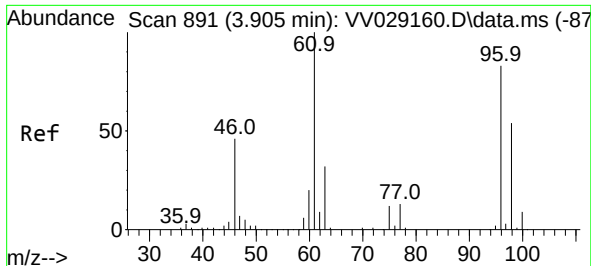
Tgt Ion: 96 Resp: 2203
Ion Ratio Lower Upper
96 100
61 142.7 91.8 170.6
98 62.3 46.4 86.2



#19
1,1-Dichloroethane
Concen: 10.704 ug/L
RT: 3.185 min Scan# 667
Delta R.T. -0.000 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 63 Resp: 393338
Ion Ratio Lower Upper
63 100
65 32.3 23.0 42.6
83 13.7 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 16.942 ug/L

RT: 3.902 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV029179.D

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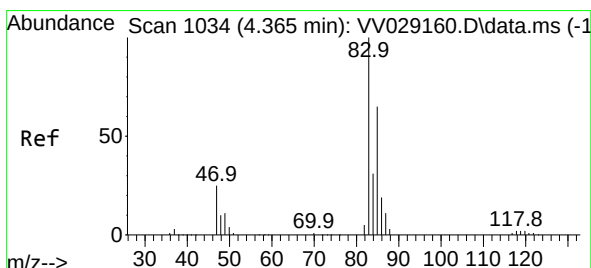
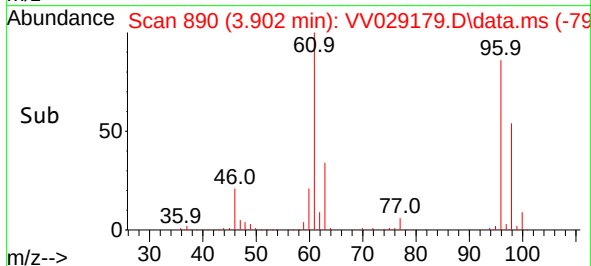
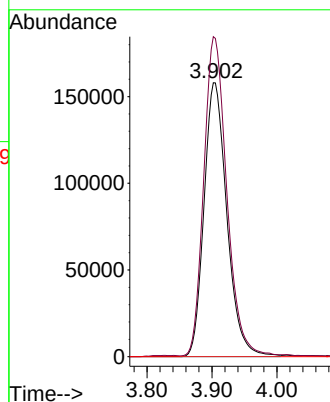
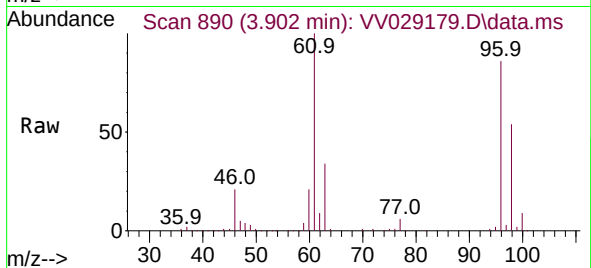
Tgt Ion: 96 Resp: 387172

Ion Ratio Lower Upper

96 100

61 116.8 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.117 ug/L

RT: 4.372 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV029179.D

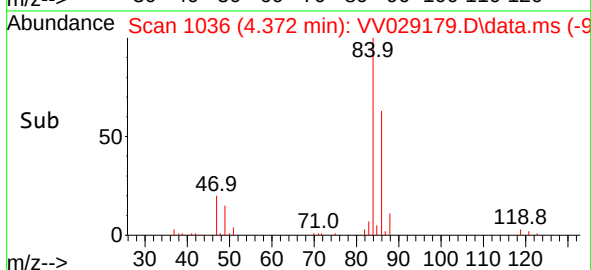
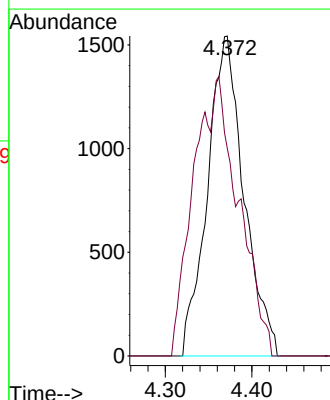
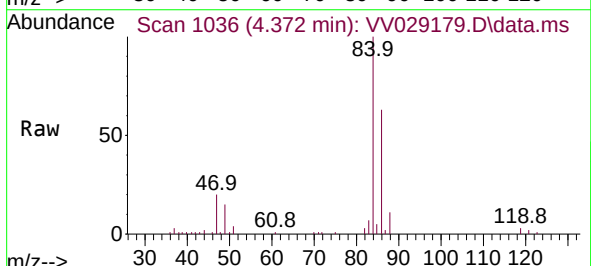
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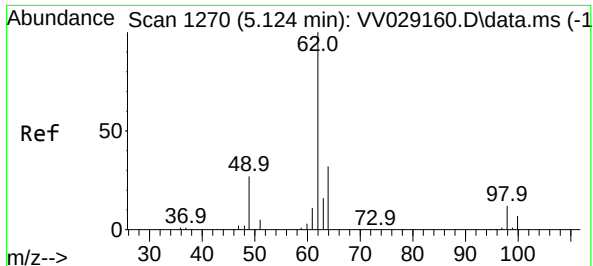
Tgt Ion: 83 Resp: 4508

Ion Ratio Lower Upper

83 100

85 64.9 43.7 81.1





#27

1,2-Dichloroethane

Concen: 0.684 ug/L

RT: 5.137 min Scan# 1107

Delta R.T. 0.013 min

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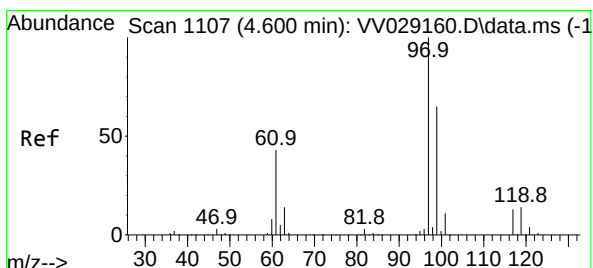
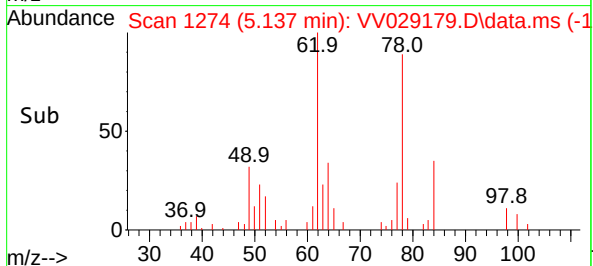
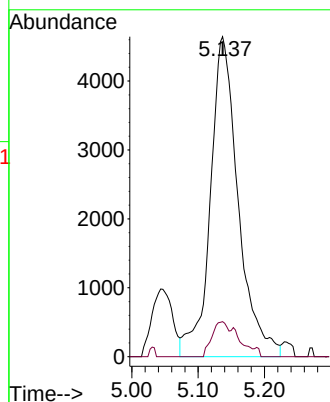
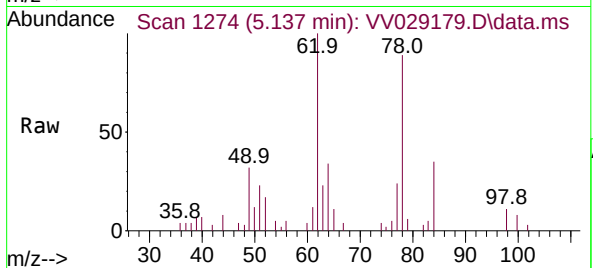
BHB41

Tgt Ion: 62 Resp: 13578

Ion Ratio Lower Upper

62 100

98 10.9 9.0 13.6



#29

1,1,1-Trichloroethane

Concen: 5.700 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029179.D

Acq: 19 Nov 2022 18:37

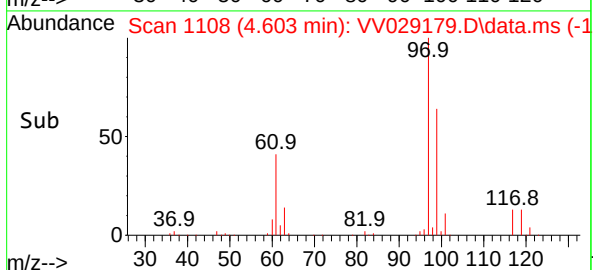
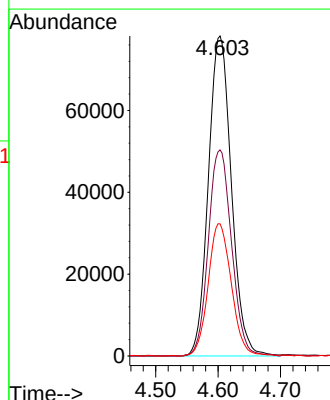
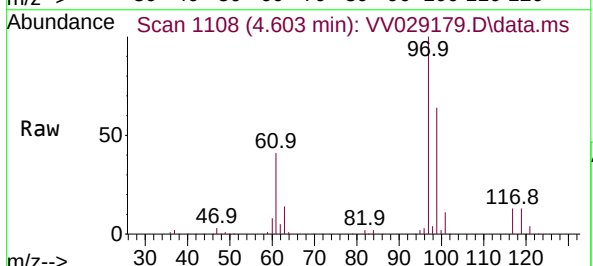
Tgt Ion: 97 Resp: 200579

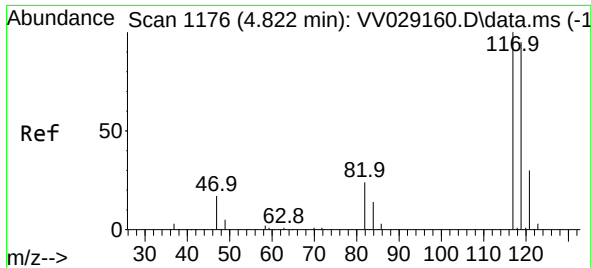
Ion Ratio Lower Upper

97 100

99 65.1 52.7 79.1

61 41.7 33.8 50.6

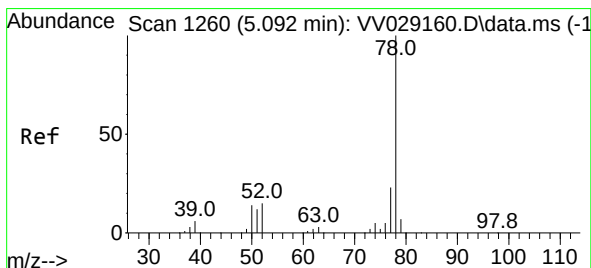
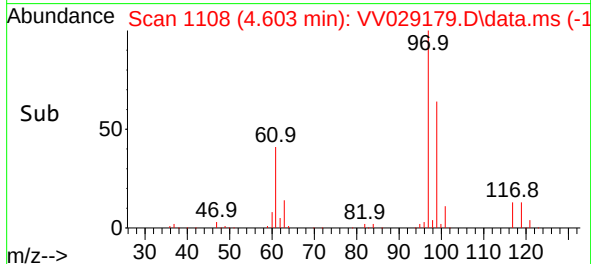
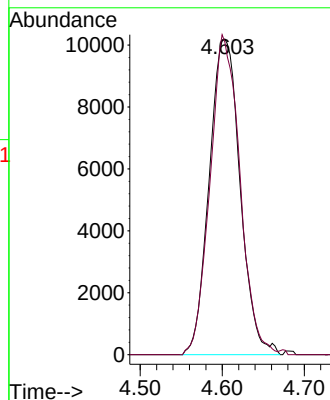
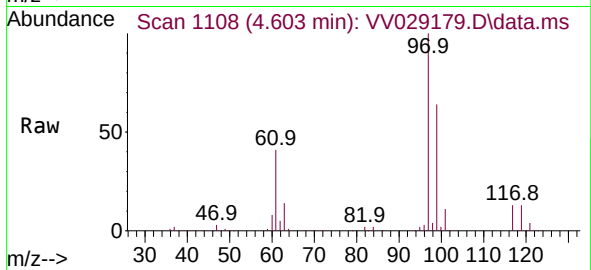




#31
Carbon tetrachloride
Concen: 0.879 ug/L
RT: 4.603 min Scan# 1176
Delta R.T. -0.219 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

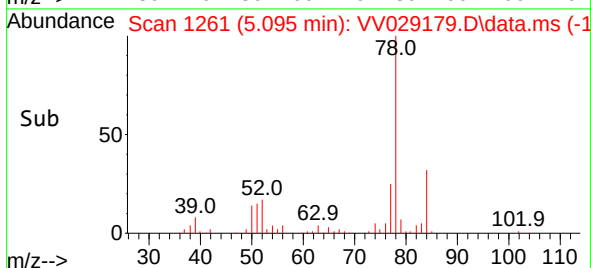
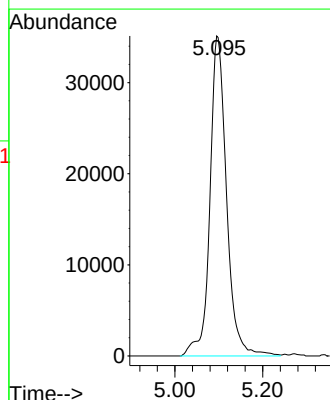
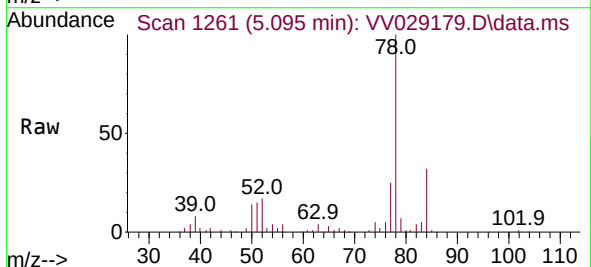
Instrument :
MSVOA_V
ClientSampleId :
BHB41

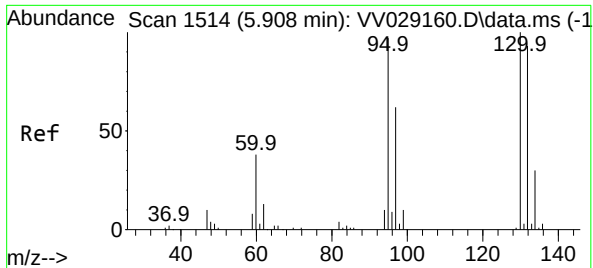
Tgt Ion:117 Resp: 26635
Ion Ratio Lower Upper
117 100
119 98.1 77.0 115.6



#33
Benzene
Concen: 1.008 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 78 Resp: 92341

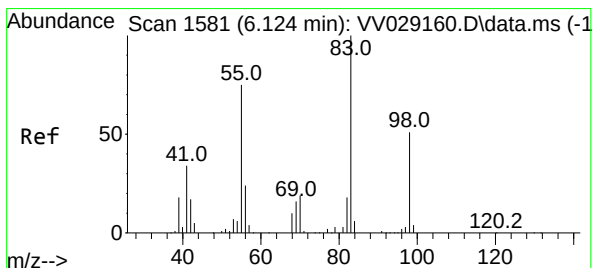
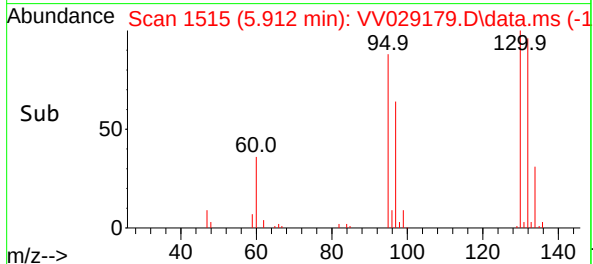
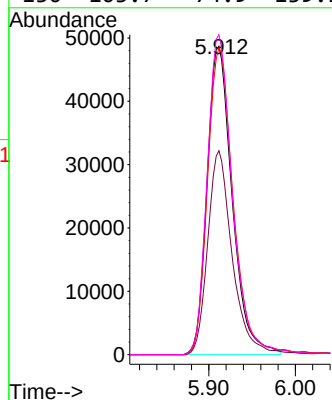
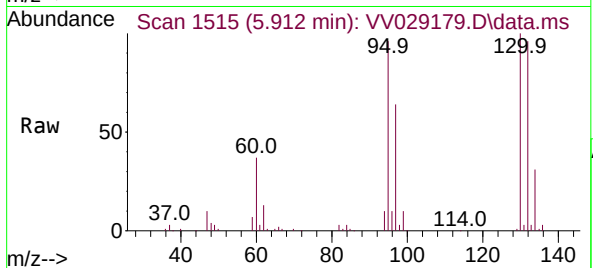




#34
Trichloroethene
Concen: 4.176 ug/L
RT: 5.912 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

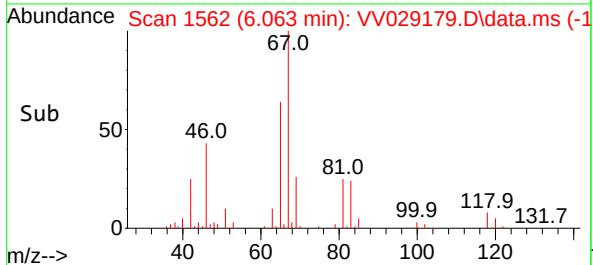
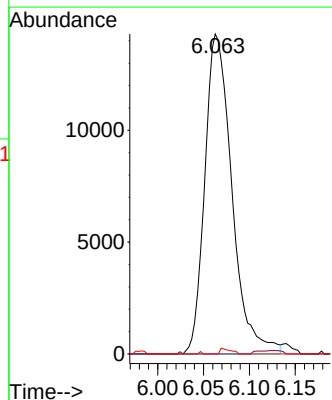
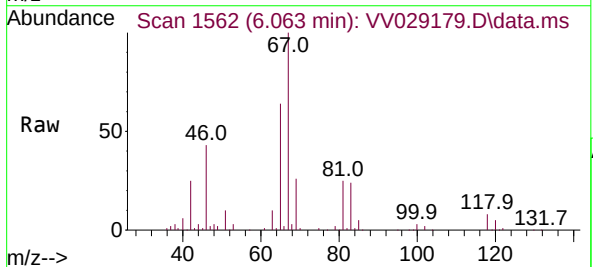
Instrument :
MSVOA_V
ClientSampleId :
BHB41

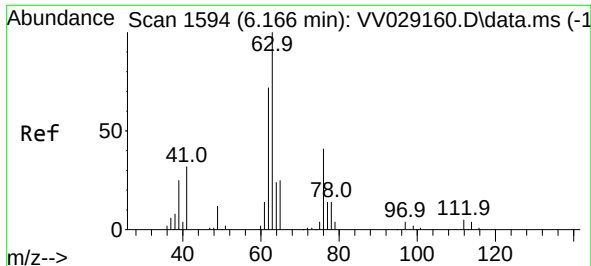
Tgt Ion: 95 Resp: 97981
Ion Ratio Lower Upper
95 100
97 66.1 45.6 84.8
132 99.5 69.1 128.3
130 103.7 74.9 139.1



#35
Methylcyclohexane
Concen: 0.713 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 83 Resp: 29415
Ion Ratio Lower Upper
83 100
55 0.1 55.8 83.6#
98 0.7 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.599 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029179.D

Acq: 19 Nov 2022 18:37

Instrument :

MSVOA_V

ClientSampleId :

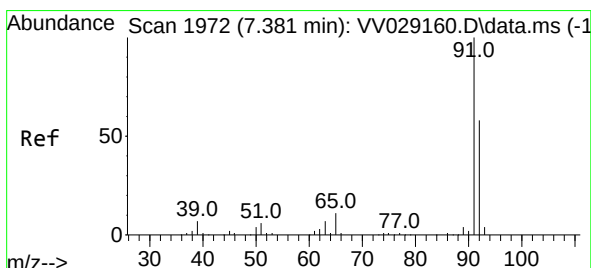
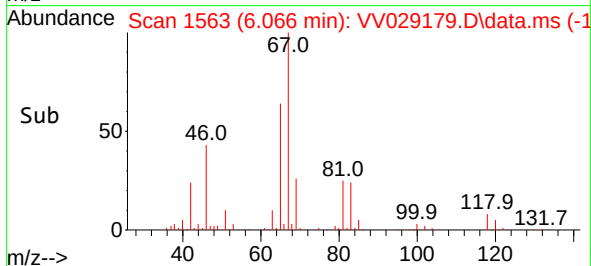
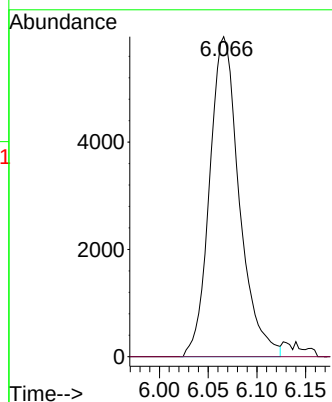
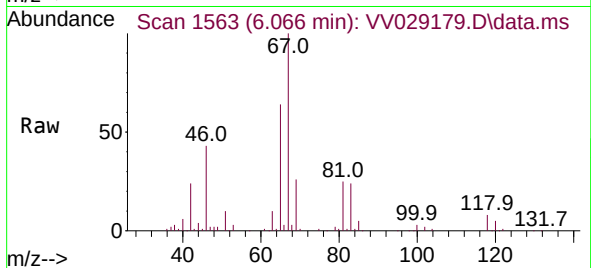
BHB41

Tgt Ion: 63 Resp: 12664

Ion Ratio Lower Upper

63 100

112 0.2 4.0 6.0#



#42

Toluene

Concen: 0.460 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.010 min

Lab File: VV029179.D

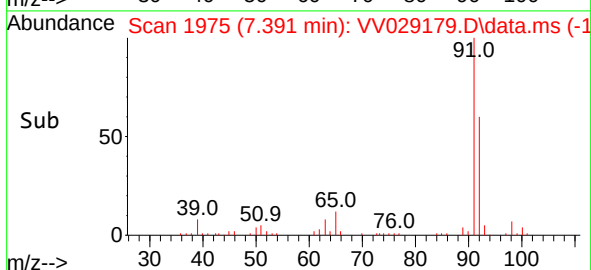
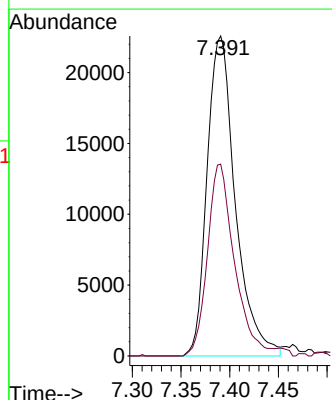
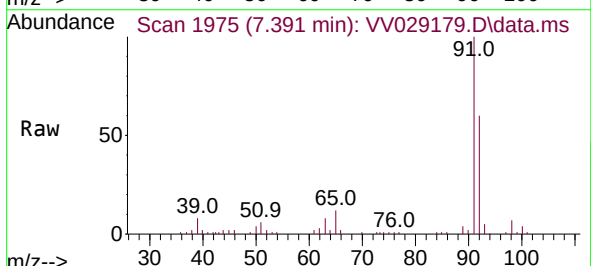
Acq: 19 Nov 2022 18:37

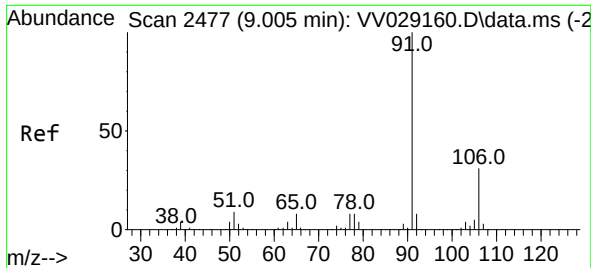
Tgt Ion: 91 Resp: 45571

Ion Ratio Lower Upper

91 100

92 60.0 40.7 75.5

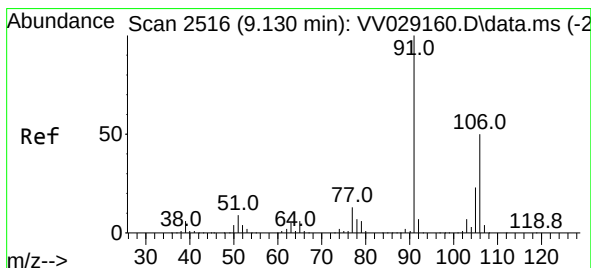
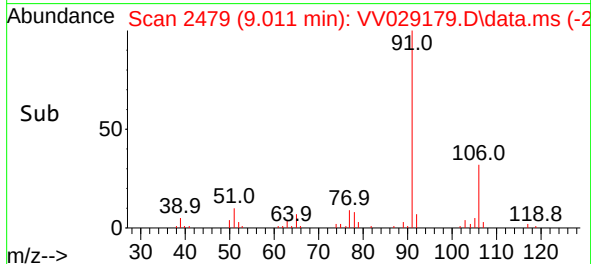
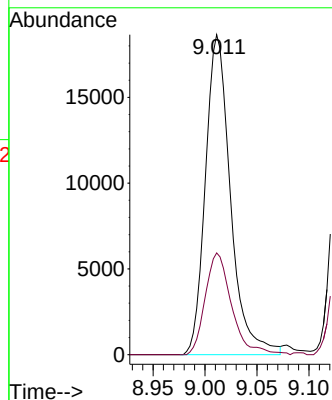
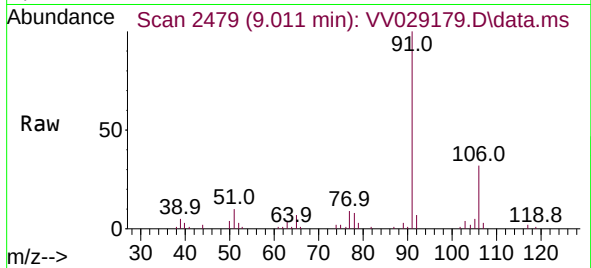




#52
Ethylbenzene
Concen: 0.304 ug/L
RT: 9.011 min Scan# 2477
Delta R.T. 0.006 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

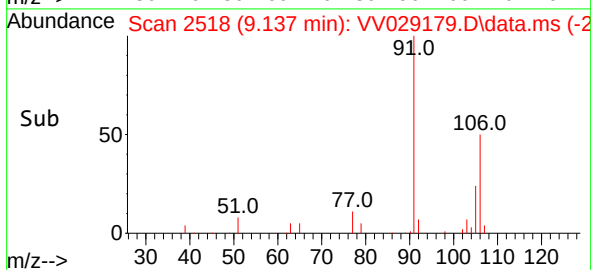
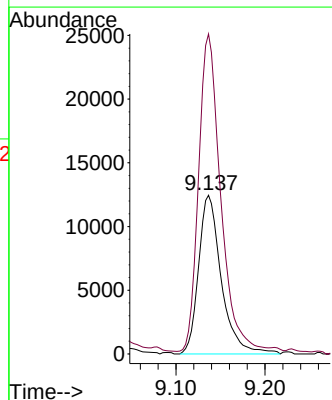
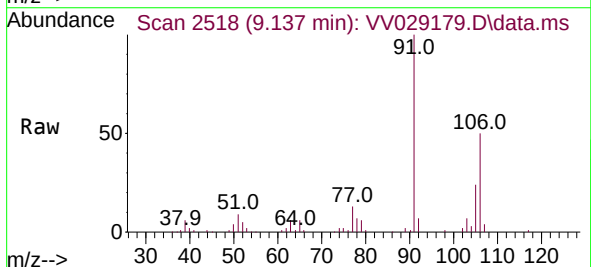
Instrument :
MSVOA_V
ClientSampleId :
BHB41

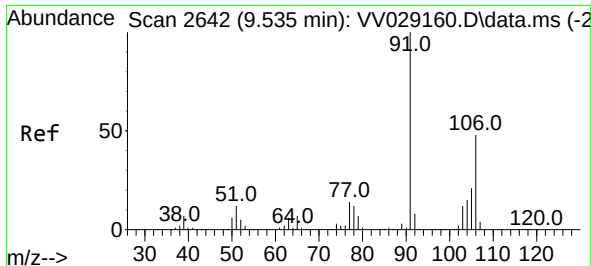
Tgt Ion: 91 Resp: 31299
Ion Ratio Lower Upper
91 100
106 31.8 21.6 40.2



#53
m,p-Xylene
Concen: 0.540 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 106 Resp: 22122
Ion Ratio Lower Upper
106 100
91 201.6 139.1 258.3

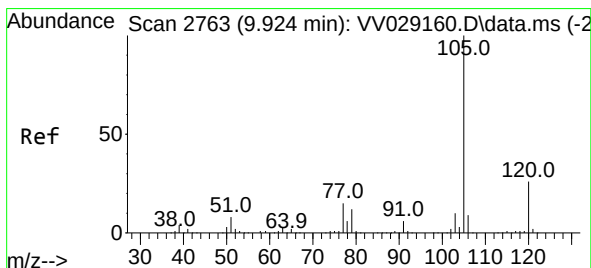
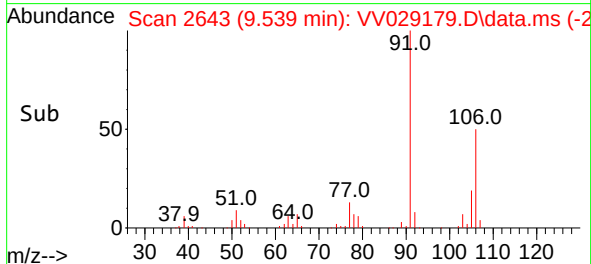
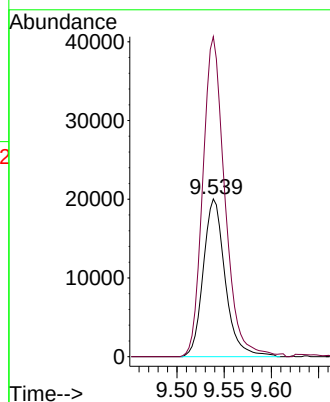
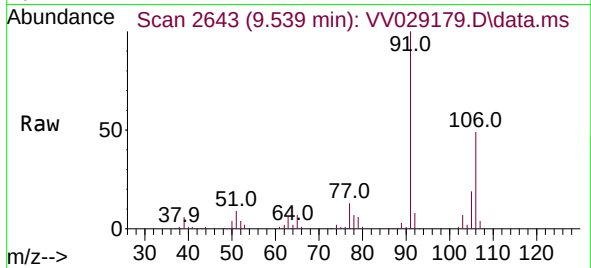




#54
o-Xylene
Concen: 0.829 ug/L
RT: 9.539 min Scan# 2643
Delta R.T. 0.003 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

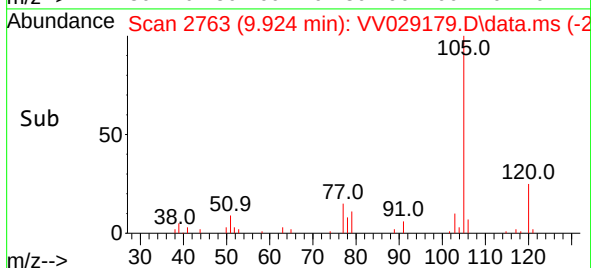
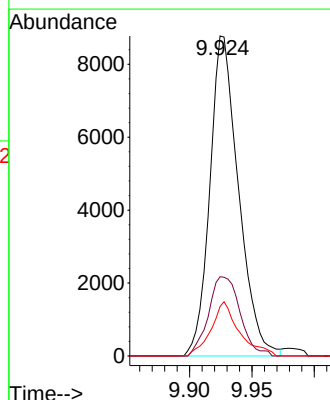
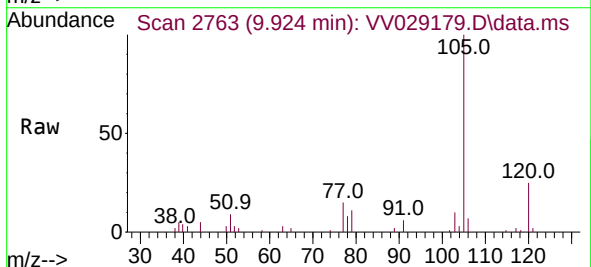
Instrument :
MSVOA_V
ClientSampleId :
BHB41

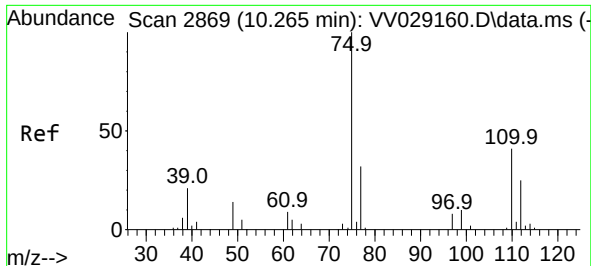
Tgt Ion:106 Resp: 32324
Ion Ratio Lower Upper
106 100
91 202.8 145.7 270.7



#60
Isopropylbenzene
Concen: 0.148 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. -0.000 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion:105 Resp: 14072
Ion Ratio Lower Upper
105 100
120 27.2 21.3 31.9
77 16.6 11.8 17.8

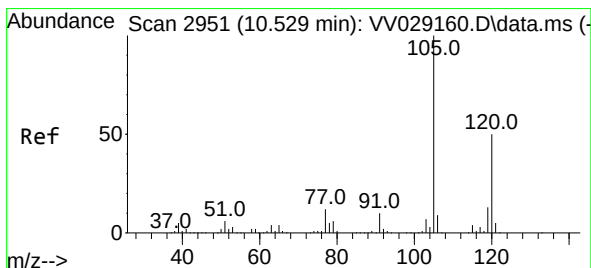
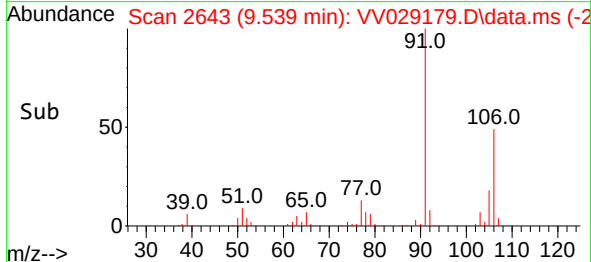
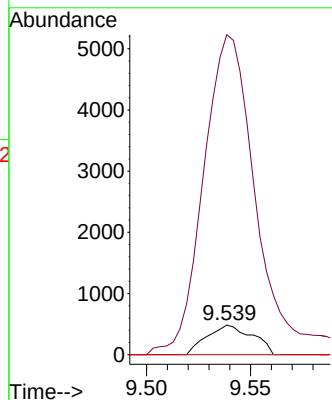
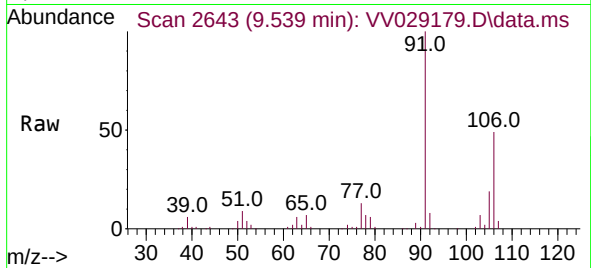




#61
1,2,3-Trichloropropane
Concen: 0.074 ug/L
RT: 9.539 min Scan# 21
Delta R.T. -0.727 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

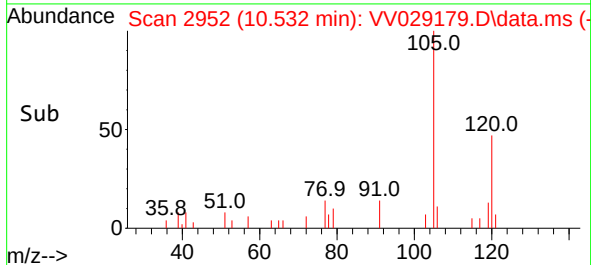
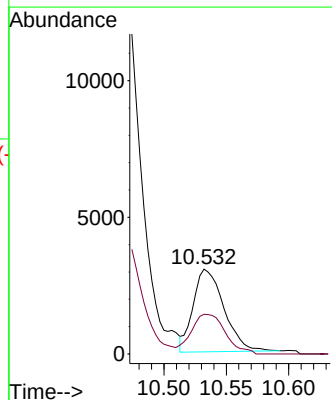
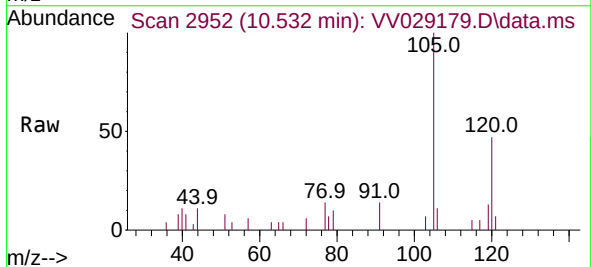
Instrument :
MSVOA_V
ClientSampleId :
BHB41

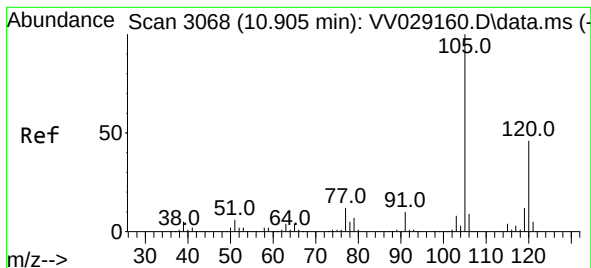
Tgt Ion: 75 Resp: 740
Ion Ratio Lower Upper
75 100
77 1291.2 26.2 39.2#
110 0.0 32.6 48.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.064 ug/L
RT: 10.532 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VV029179.D
Acq: 19 Nov 2022 18:37

Tgt Ion: 105 Resp: 5180
Ion Ratio Lower Upper
105 100
120 53.4 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 0.076 ug/L

RT: 10.911 min Scan# 3068

Delta R.T. 0.006 min

Lab File: VV029179.D

Acq: 19 Nov 2022 18:37

Instrument :

MSVOA_V

ClientSampleId :

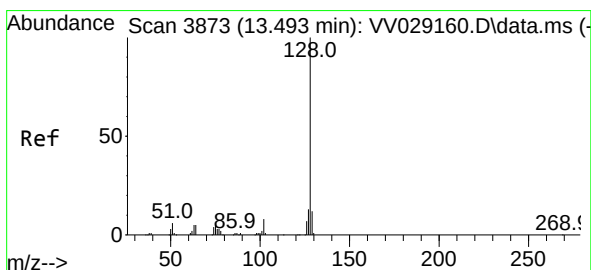
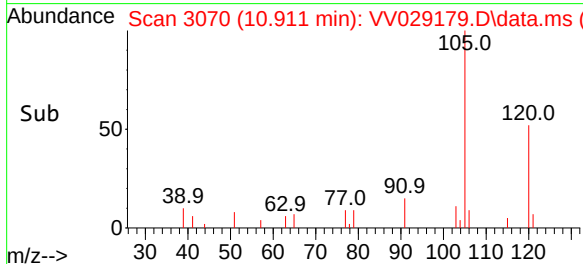
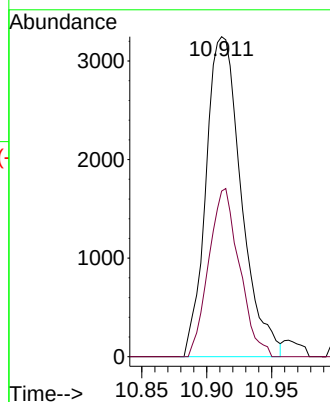
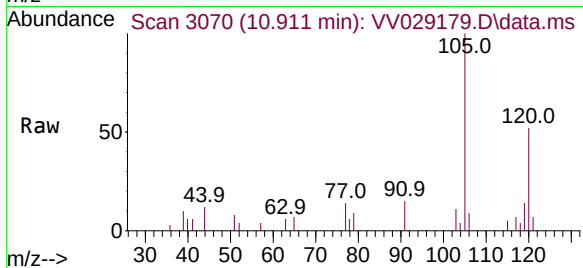
BHB41

Tgt Ion:105 Resp: 6139

Ion Ratio Lower Upper

105 100

120 45.6 37.8 56.8



#71

Naphthalene

Concen: 23.632 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.003 min

Lab File: VV029179.D

Acq: 19 Nov 2022 18:37

Tgt Ion:128 Resp: 794736

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.8 9.8 14.8

