

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111822\
 Data File : VW029157.D
 Acq On : 19 Nov 2022 07:44
 Operator : SY/MD
 Sample : N5666-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB36

Quant Time: Nov 20 00:49:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 00:44:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	299908	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	270677	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	131691	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	64212	3.512	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.568	69	60779	3.781	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.105	63	92712	2.782	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.600%#
20) 2-Butanone-d5	3.889	46	205078	67.005	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.000%#
24) Chloroform-d	4.343	84	163424	4.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	5.027	65	80960	4.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.047	84	316087	3.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.066	67	105578	4.680	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.310	98	285242	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	7.622	79	30943	4.205	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.085	63	166630	53.054	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.100%
56) 1,1,2,2-Tetrachloroeth...	10.211	84	82946	5.303	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.000%
66) 1,2-Dichlorobenzene-d4	11.616	152	123007	5.221	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	1239	0.060	ug/L	92
5) Vinyl chloride	1.311	62	28222	1.192	ug/L	89
8) Chloroethane	1.584	64	18359	1.320	ug/L #	71
12) 1,1-Dichloroethene	2.118	96	5805	0.320	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	5520	0.142	ug/L #	89
18) trans-1,2-Dichloroethene	2.767	96	1459	0.069	ug/L #	90
19) 1,1-Dichloroethane	3.185	63	140785	4.090	ug/L	100
22) cis-1,2-Dichloroethene	3.905	96	62304	2.910	ug/L	95
27) 1,2-Dichloroethane	5.137	62	3131	0.168	ug/L	95
29) 1,1,1-Trichloroethane	4.603	97	13288	0.418	ug/L	97
31) Carbon tetrachloride	4.603	117	1803	0.066	ug/L	99
33) Benzene	5.092	78	657270	7.946	ug/L	100
34) Trichloroethene	5.915	95	16988	0.802	ug/L	93
35) Methylcyclohexane	6.066	83	24963	0.671	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	11002	0.577	ug/L #	85
42) Toluene	7.394	91	21276	0.238	ug/L	98
52) Ethylbenzene	9.008	91	72335	0.778	ug/L	99
53) m,p-Xylene	9.140	106	18367	0.496	ug/L	98
54) o-Xylene	9.539	106	29579	0.841	ug/L	90

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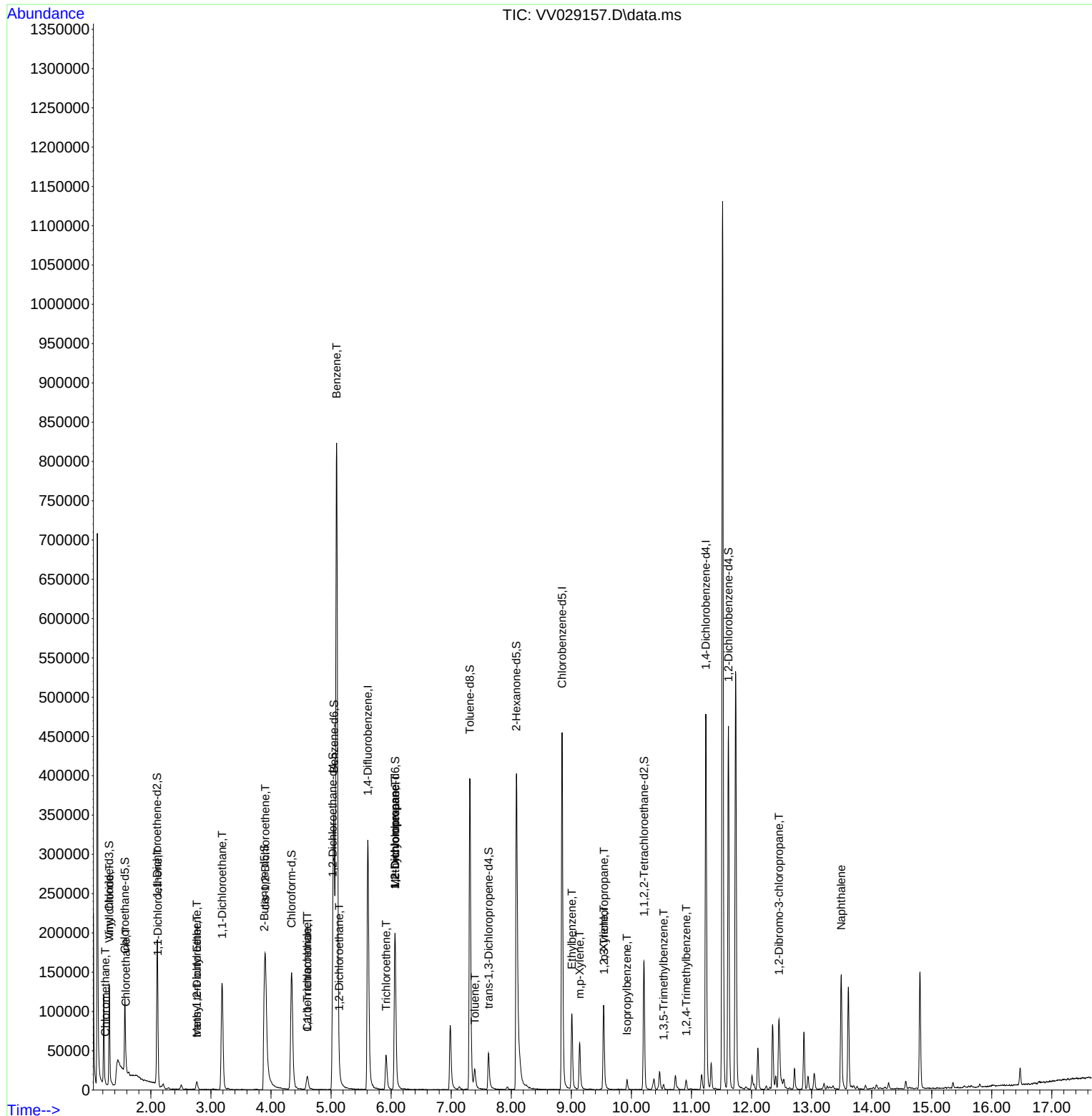
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.928	105	7859	0.092	ug/L	95
61) 1,2,3-Trichloropropane	9.545	75	792	0.088	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.535	105	4231	0.058	ug/L	95
63) 1,2,4-Trimethylbenzene	10.915	105	7090	0.098	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.458	75	1848	1.044	ug/L #	2
71) Naphthalene	13.493	128	116475	3.852	ug/L	98

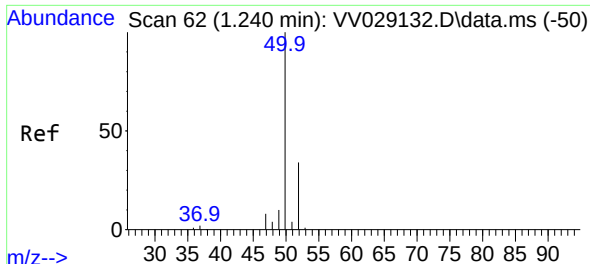
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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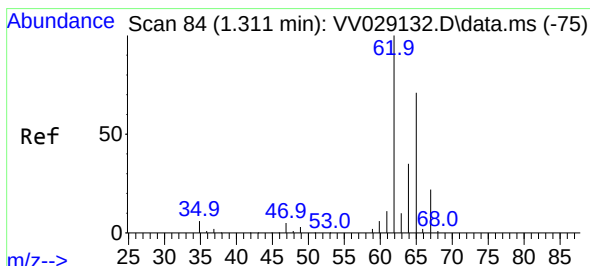
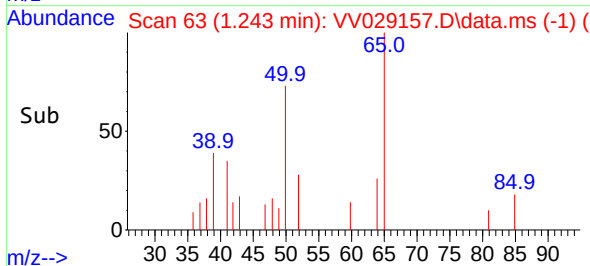
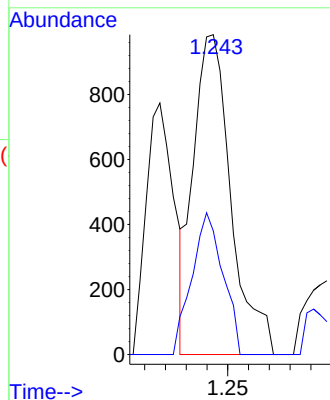
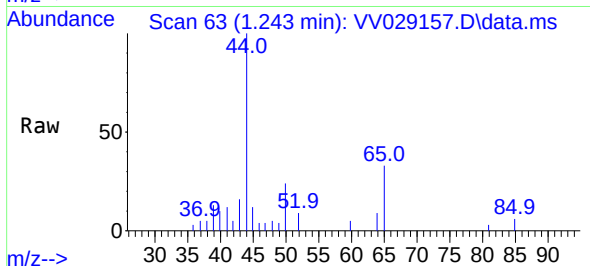




#3
Chloromethane
Concen: 0.060 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

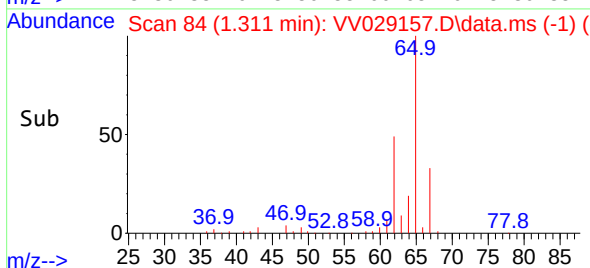
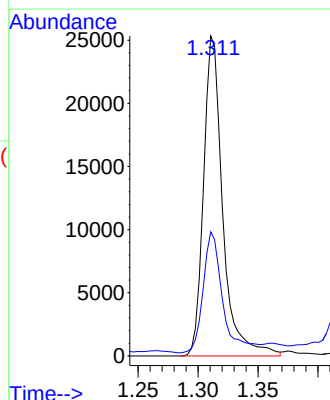
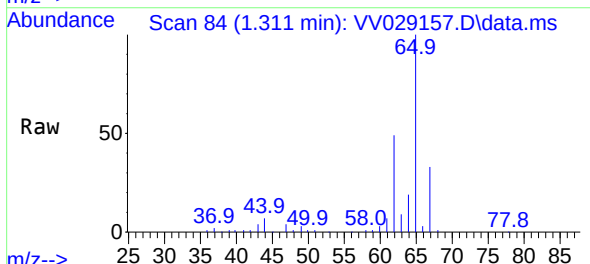
Instrument :
MSVOA_V
ClientSampleId :
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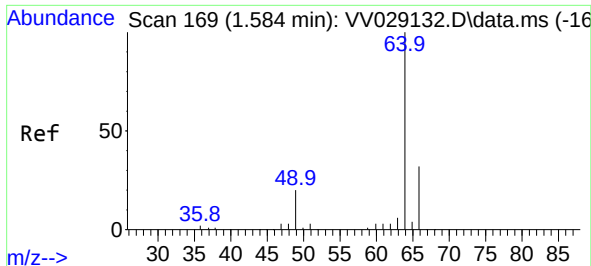
Tgt Ion: 50 Resp: 1239
Ion Ratio Lower Upper
50 100
52 38.6 23.7 43.9



#5
Vinyl chloride
Concen: 1.192 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Tgt Ion: 62 Resp: 28222
Ion Ratio Lower Upper
62 100
64 38.8 22.8 42.4

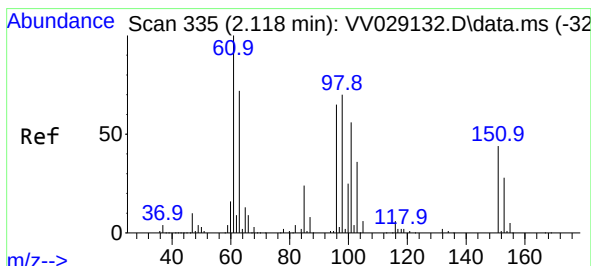
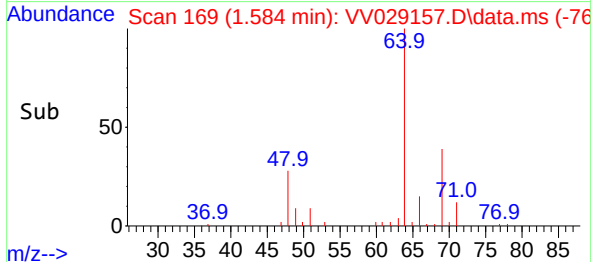
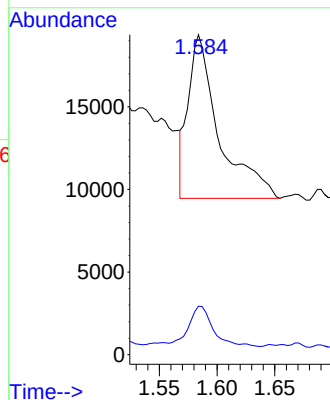
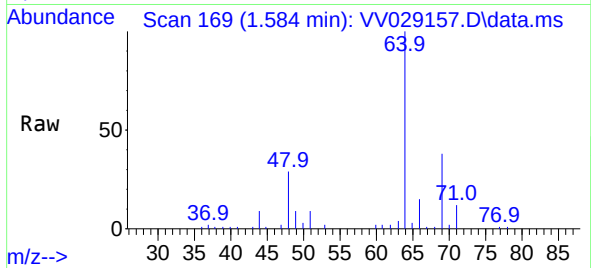




#8
Chloroethane
Concen: 1.320 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

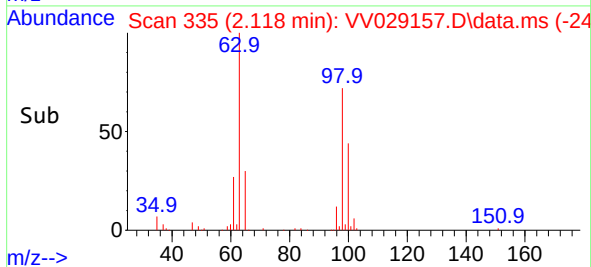
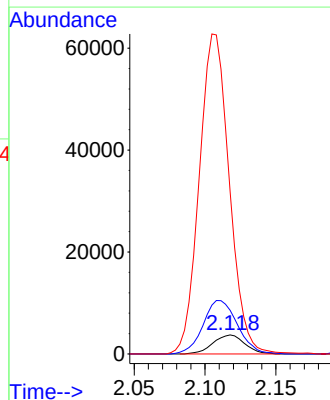
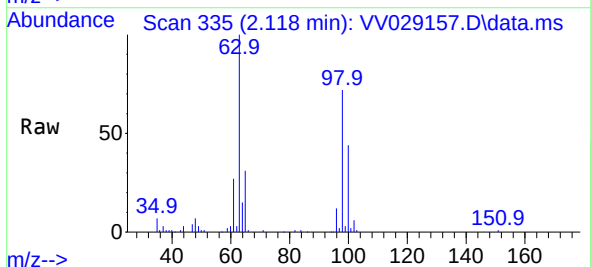
Instrument :
MSVOA_V
ClientSampleId :
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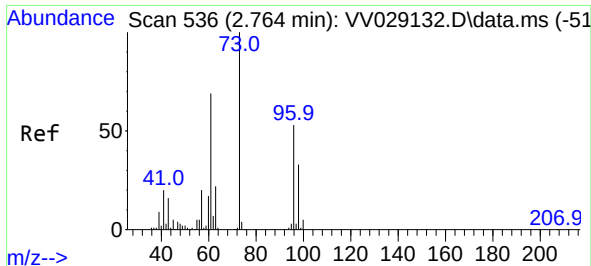
Tgt Ion: 64 Resp: 18359
Ion Ratio Lower Upper
64 100
66 15.2 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.320 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Tgt Ion: 96 Resp: 5805
Ion Ratio Lower Upper
96 100
61 229.8 104.2 193.4#
63 855.9 75.9 140.9#





#17

Methyl tert-butyl Ether

Concen: 0.142 ug/L

RT: 2.767 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029157.D

Acq: 19 Nov 2022 07:44

Instrument :

MSVOA_V

ClientSampleId :

BHB36

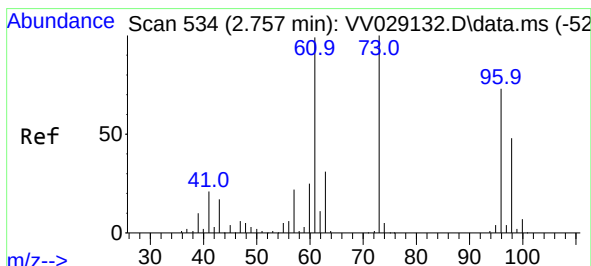
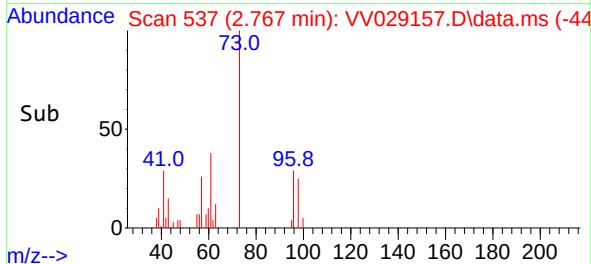
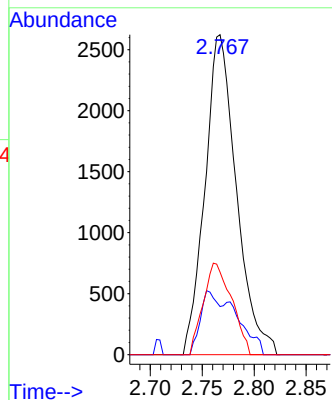
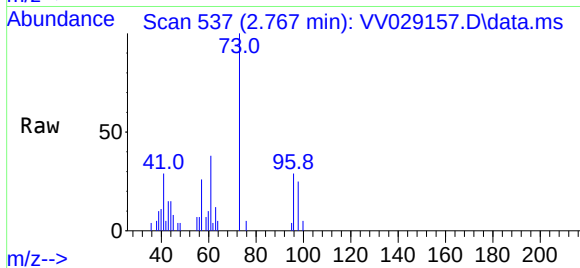
Tgt Ion: 73 Resp: 5520

Ion Ratio Lower Upper

73 100

43 11.5 13.0 19.4#

57 25.9 16.6 24.8#



#18

trans-1,2-Dichloroethene

Concen: 0.069 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.010 min

Lab File: VV029157.D

Acq: 19 Nov 2022 07:44

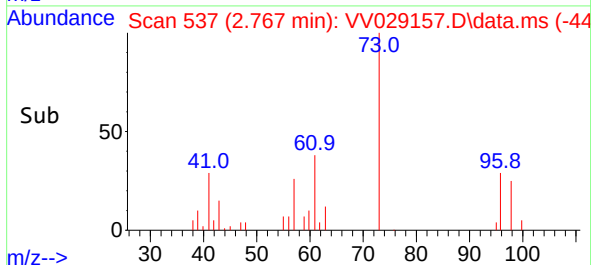
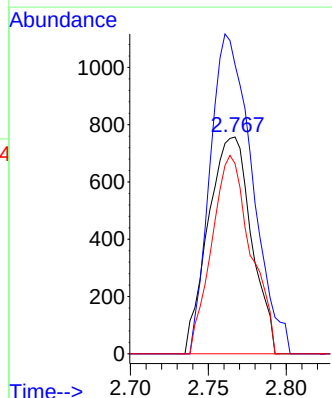
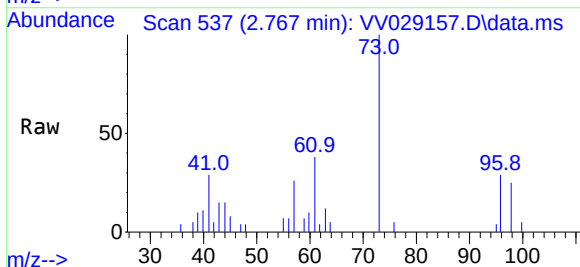
Tgt Ion: 96 Resp: 1459

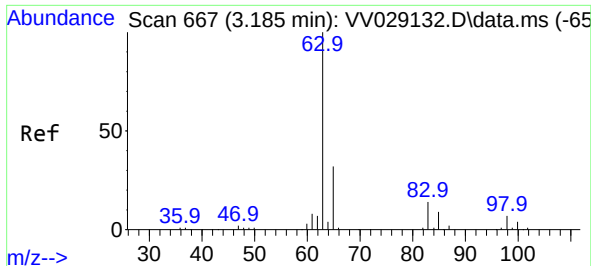
Ion Ratio Lower Upper

96 100

61 133.3 91.8 170.6

98 87.7 46.4 86.2#

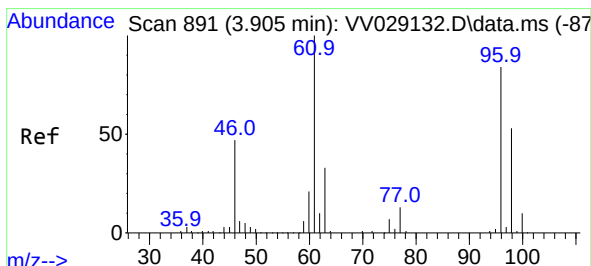
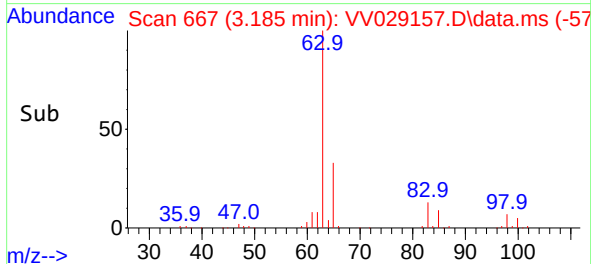
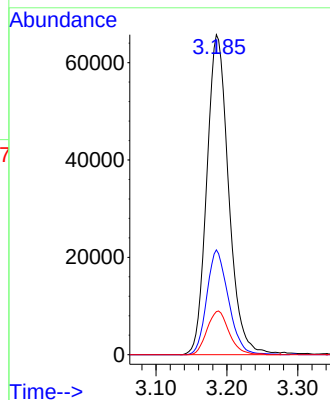
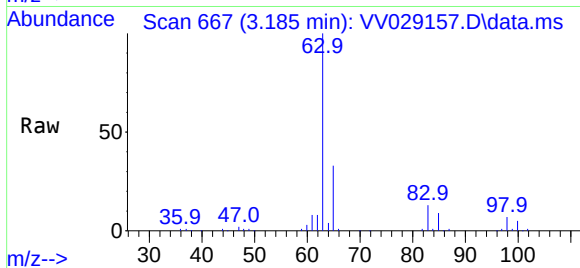




#19
1,1-Dichloroethane
Concen: 4.090 ug/L
RT: 3.185 min Scan# 607
Delta R.T. 0.000 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

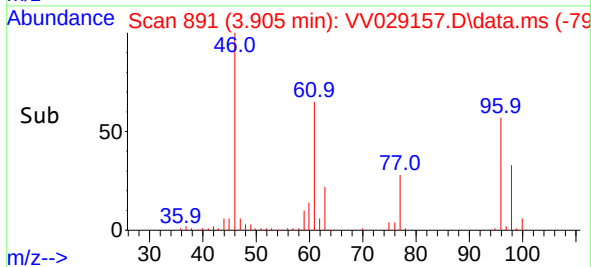
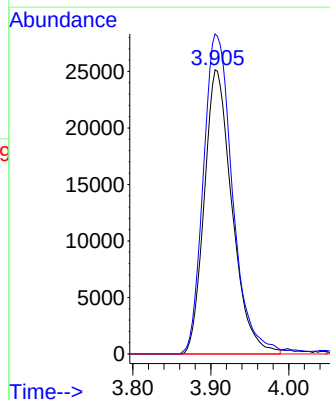
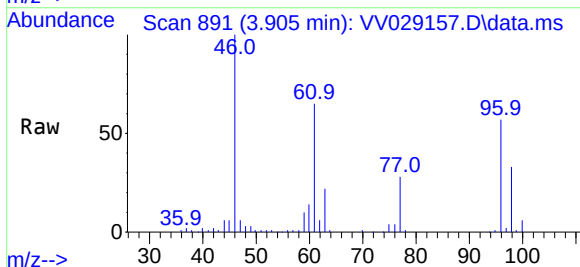
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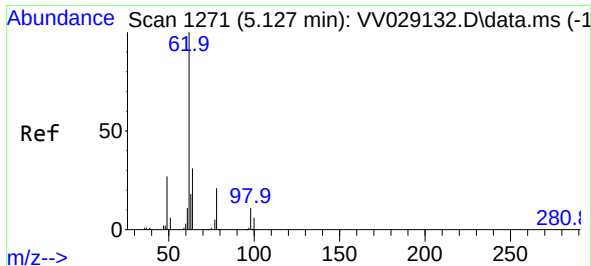
Tgt Ion: 63 Resp: 140785
Ion Ratio Lower Upper
63 100
65 32.7 23.0 42.6
83 13.4 9.4 17.6



#22
cis-1,2-Dichloroethene
Concen: 2.910 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.000 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Tgt Ion: 96 Resp: 62304
Ion Ratio Lower Upper
96 100
61 112.6 82.3 152.9
68 0.0 0.0 0.0

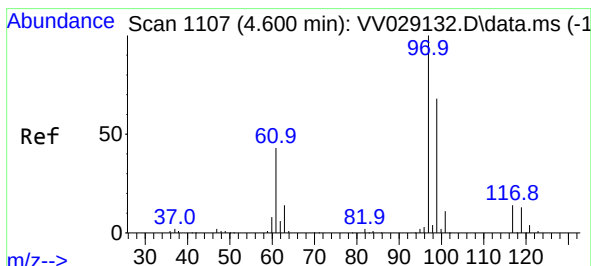
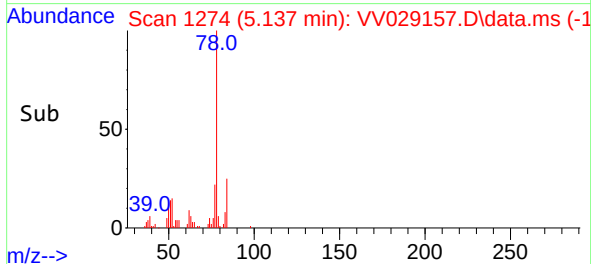
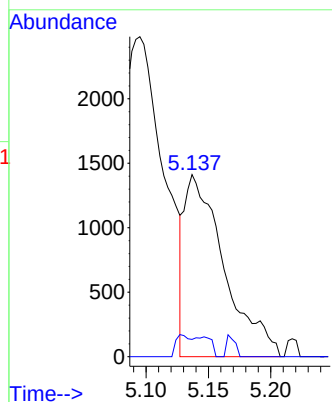
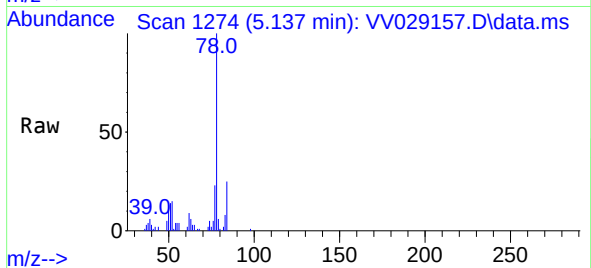




#27
1,2-Dichloroethane
Concen: 0.168 ug/L
RT: 5.137 min Scan# 1107
Delta R.T. 0.013 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

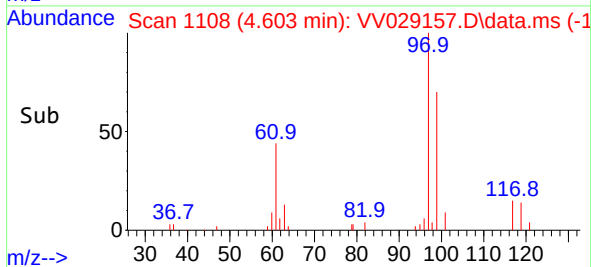
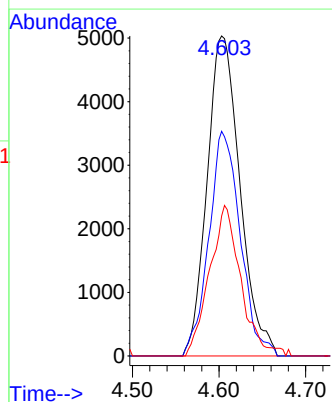
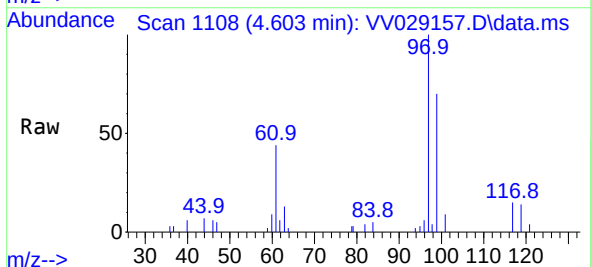
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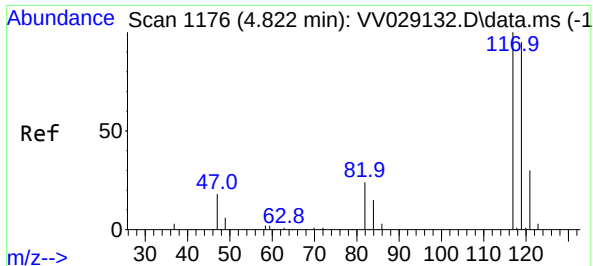
Tgt Ion: 62 Resp: 3131
Ion Ratio Lower Upper
62 100
98 9.6 9.0 13.6



#29
1,1,1-Trichloroethane
Concen: 0.418 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. 0.003 min
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Acq: 19 Nov 2022 07:44

Tgt Ion: 97 Resp: 13288
Ion Ratio Lower Upper
97 100
99 67.1 52.7 79.1
61 44.8 33.8 50.6

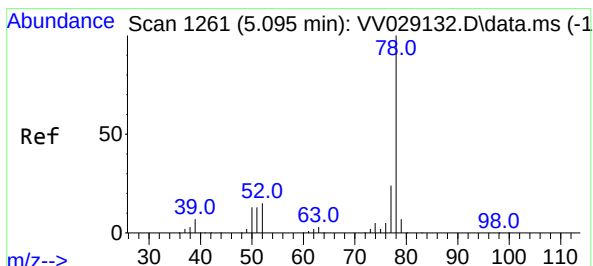
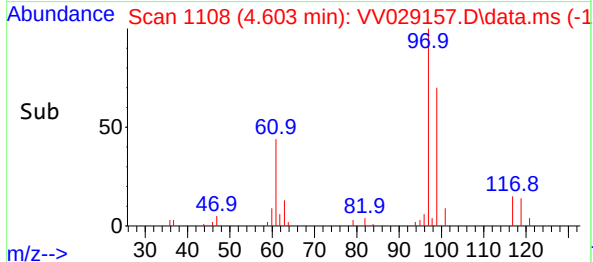
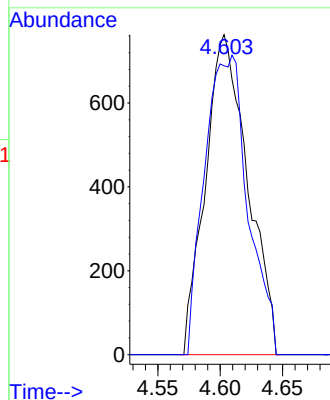
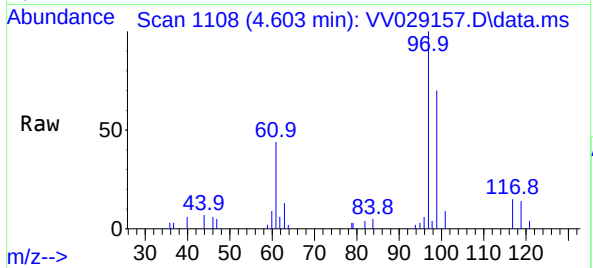




#31
Carbon tetrachloride
Concen: 0.066 ug/L
RT: 4.603 min Scan# 1176
Delta R.T. -0.219 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

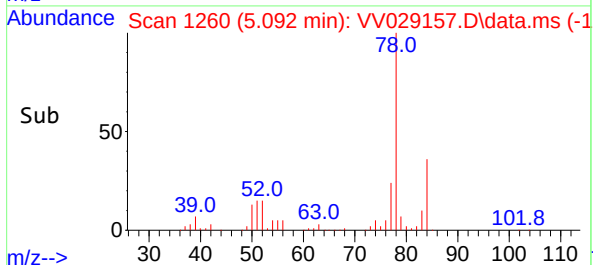
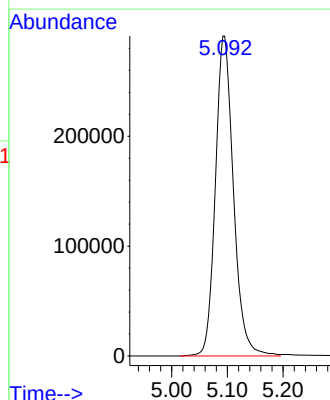
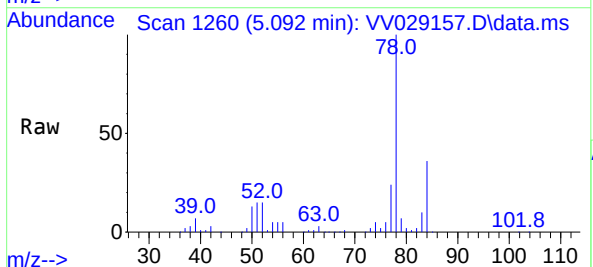
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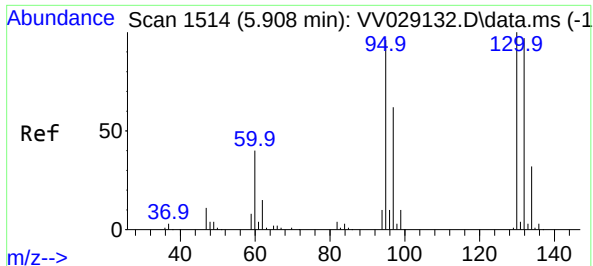
Tgt Ion:117 Resp: 1803
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.6



#33
Benzene
Concen: 7.946 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Tgt Ion: 78 Resp: 657270

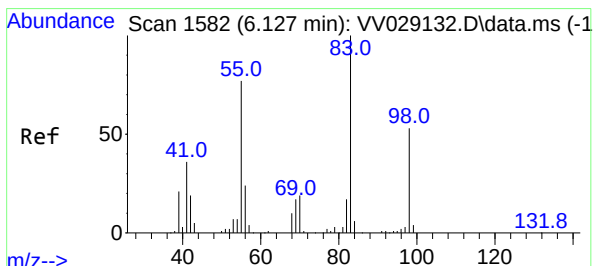
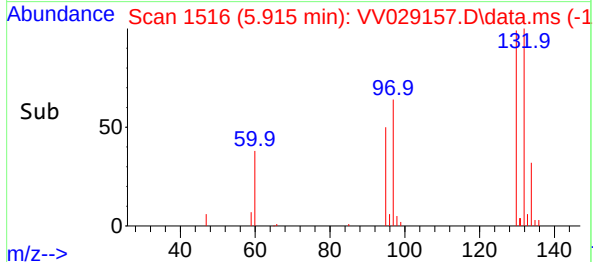
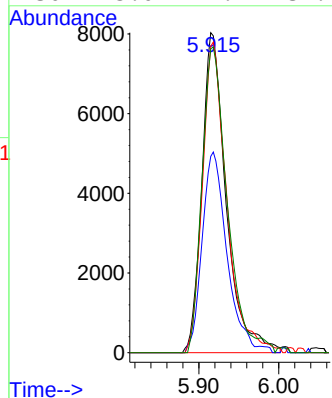
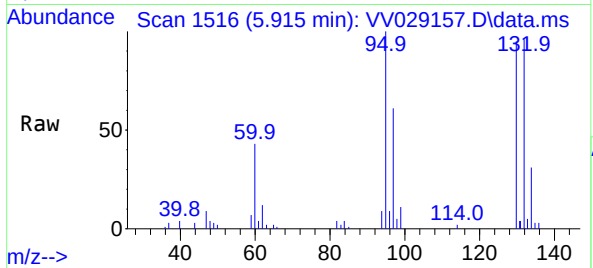




#34
Trichloroethene
Concen: 0.802 ug/L
RT: 5.915 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

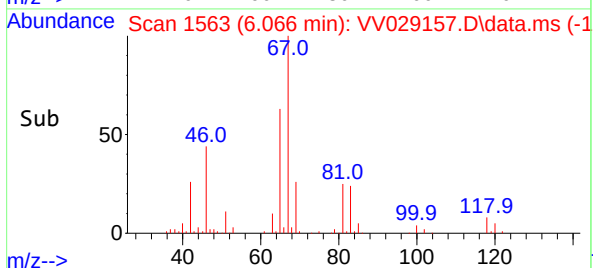
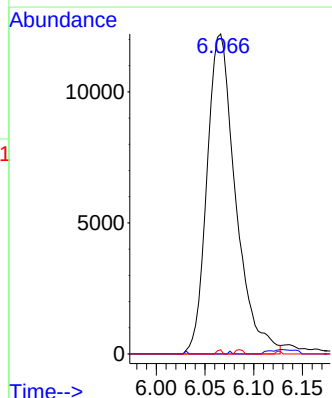
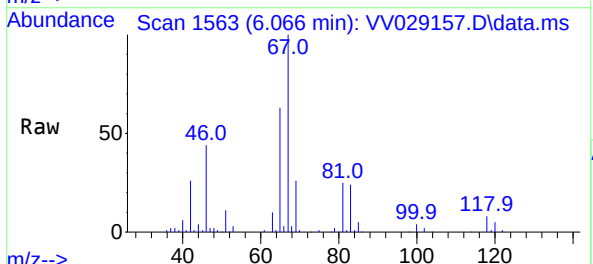
Instrument :
MSVOA_V
ClientSampleId :
BHB36

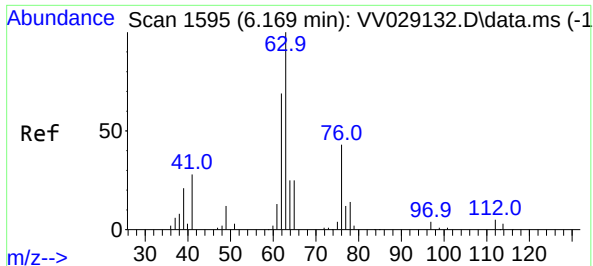
Tgt Ion: 95 Resp: 16988
Ion Ratio Lower Upper
95 100
97 61.4 45.6 84.8
132 95.8 69.1 128.3
130 95.0 74.9 139.1



#35
Methylcyclohexane
Concen: 0.671 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Tgt Ion: 83 Resp: 24963
Ion Ratio Lower Upper
83 100
55 0.1 55.8 83.6#
98 0.2 38.2 57.2#

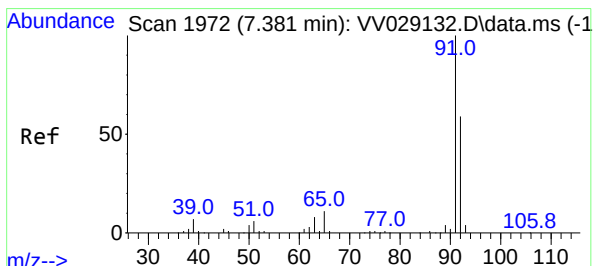
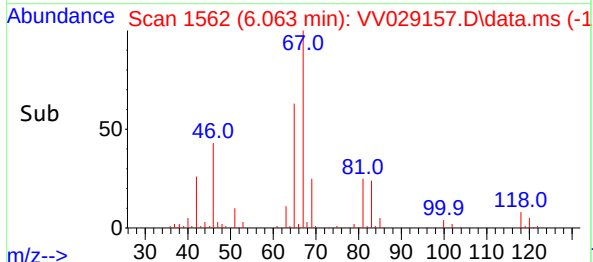
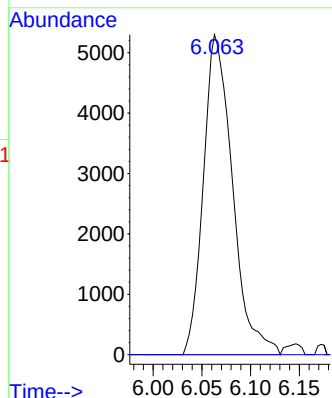
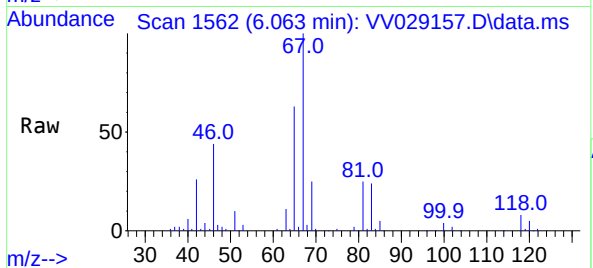




#37
1,2-Dichloropropane
Concen: 0.577 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

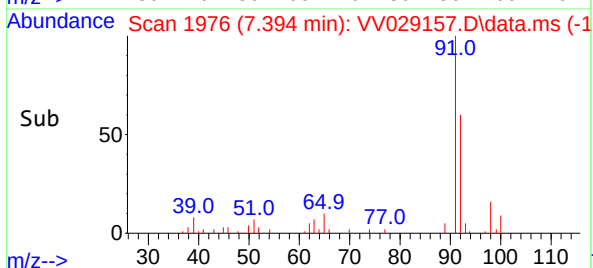
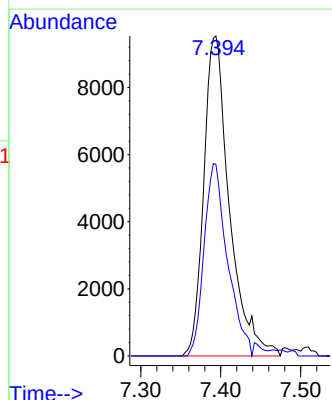
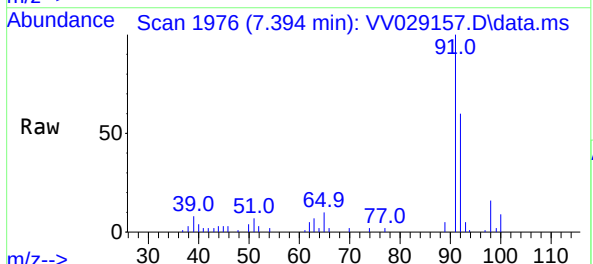
Instrument :
MSVOA_V
ClientSampleId :
BHB36

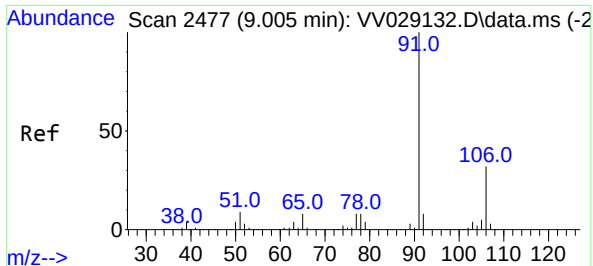
Tgt Ion: 63 Resp: 11002
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



#42
Toluene
Concen: 0.238 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.013 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Tgt Ion: 91 Resp: 21276
Ion Ratio Lower Upper
91 100
92 59.9 40.7 75.5





#52

Ethylbenzene

Concen: 0.778 ug/L

RT: 9.008 min Scan# 2477

Delta R.T. 0.003 min

Lab File: VV029157.D

Acq: 19 Nov 2022 07:44

Instrument :

MSVOA_V

ClientSampleId :

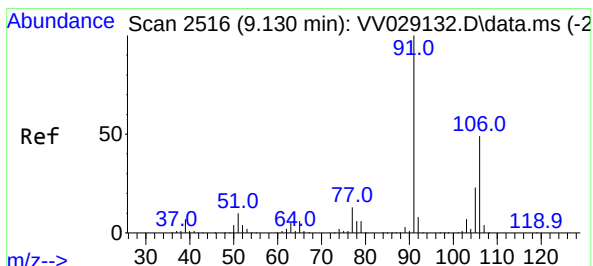
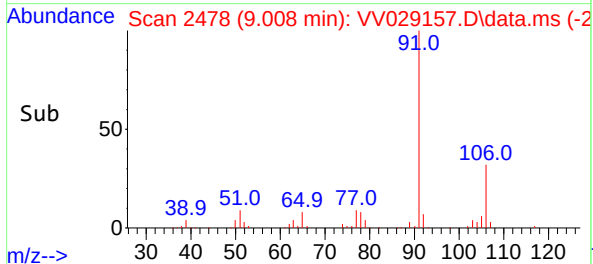
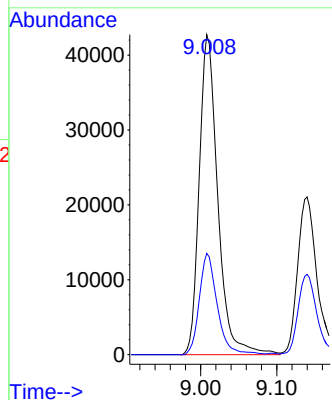
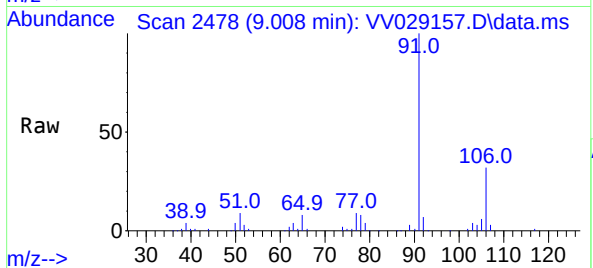
BHB36

Tgt Ion: 91 Resp: 72335

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.2



#53

m,p-Xylene

Concen: 0.496 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.010 min

Lab File: VV029157.D

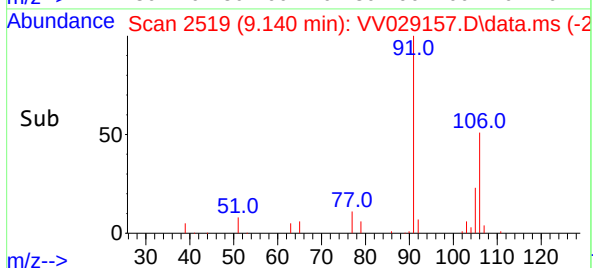
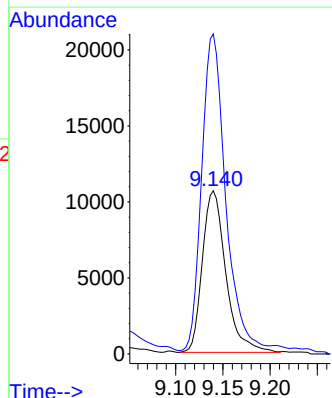
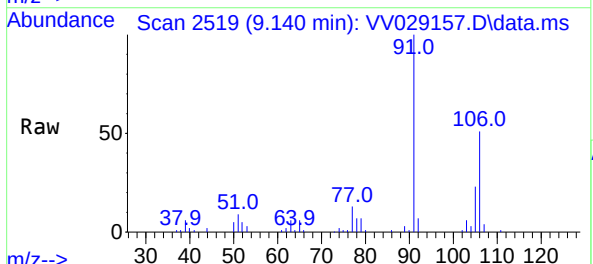
Acq: 19 Nov 2022 07:44

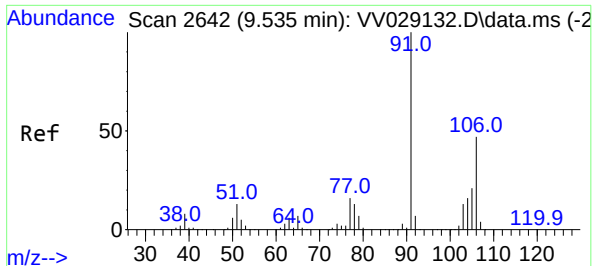
Tgt Ion: 106 Resp: 18367

Ion Ratio Lower Upper

106 100

91 196.1 139.1 258.3

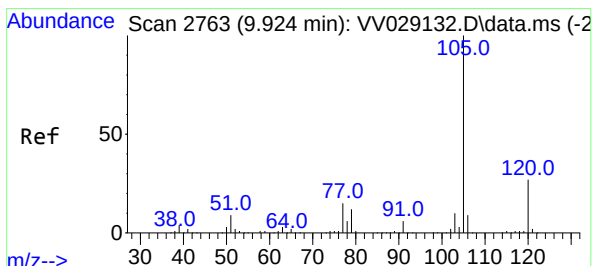
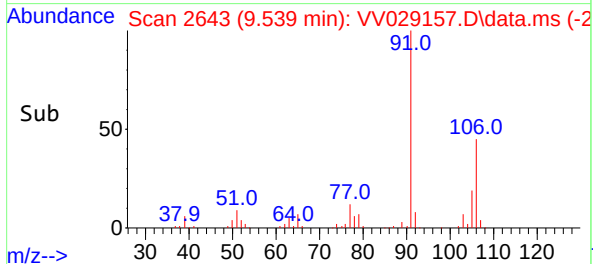
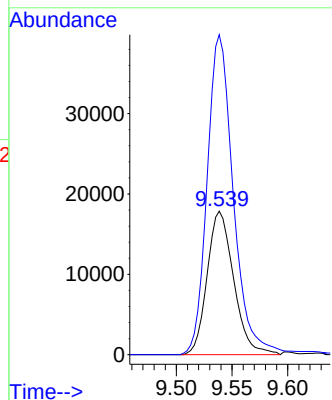
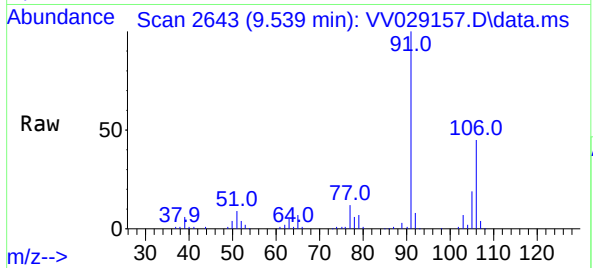




#54
o-Xylene
Concen: 0.841 ug/L
RT: 9.539 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

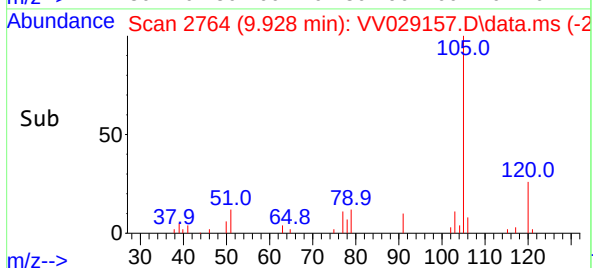
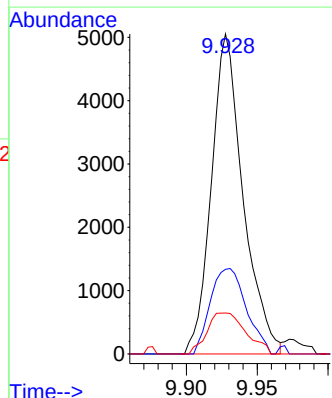
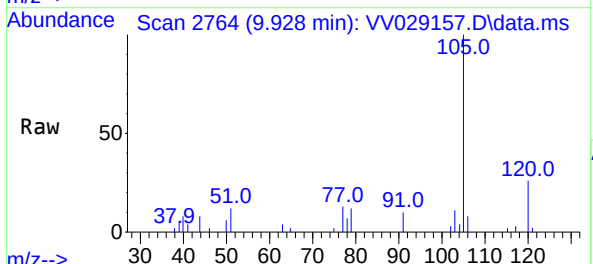
Instrument :
MSVOA_V
ClientSampleId :
BHB36

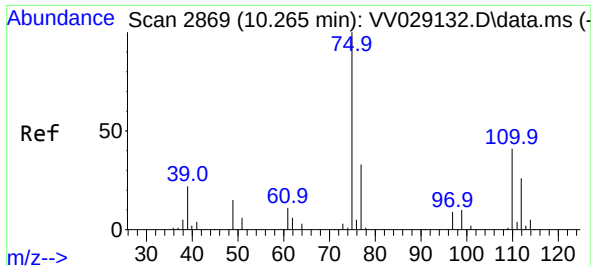
Tgt Ion:106 Resp: 29579
Ion Ratio Lower Upper
106 100
91 223.0 145.7 270.7



#60
Isopropylbenzene
Concen: 0.092 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. 0.003 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Tgt Ion:105 Resp: 7859
Ion Ratio Lower Upper
105 100
120 30.3 21.3 31.9
77 15.7 11.8 17.8





#61

1,2,3-Trichloropropane

Concen: 0.088 ug/L

RT: 9.545 min Scan# 2

Delta R.T. -0.720 min

Lab File: VV029157.D

Acq: 19 Nov 2022 07:44

Instrument :

MSVOA_V

ClientSampleId :

BHB36

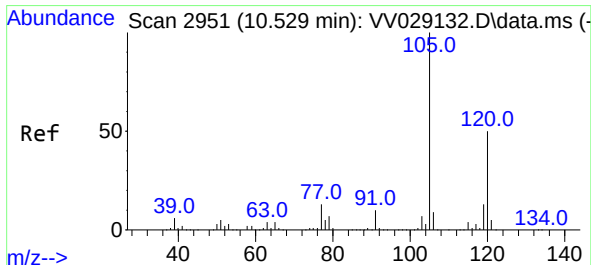
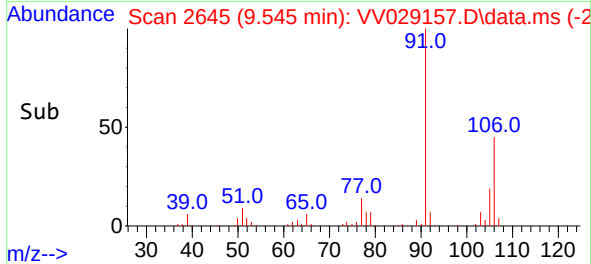
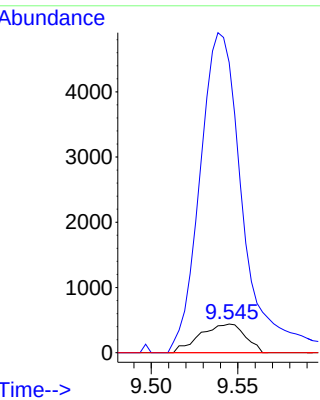
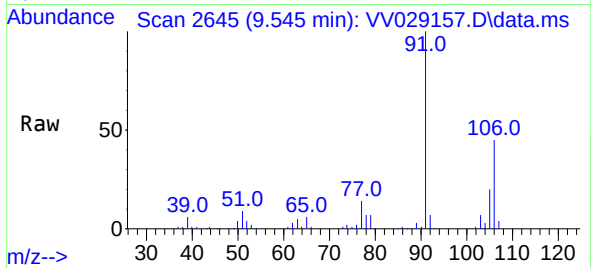
Tgt Ion: 75 Resp: 792

Ion Ratio Lower Upper

75 100

77 1073.9 26.2 39.2#

110 0.0 32.6 48.8#



#62

1,3,5-Trimethylbenzene

Concen: 0.058 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.006 min

Lab File: VV029157.D

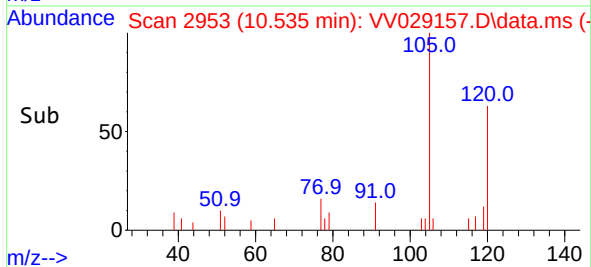
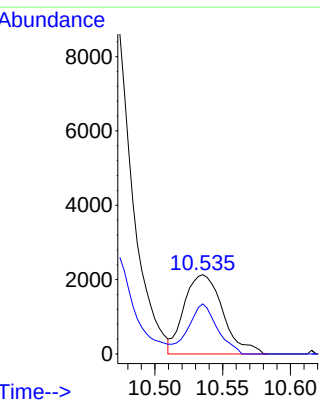
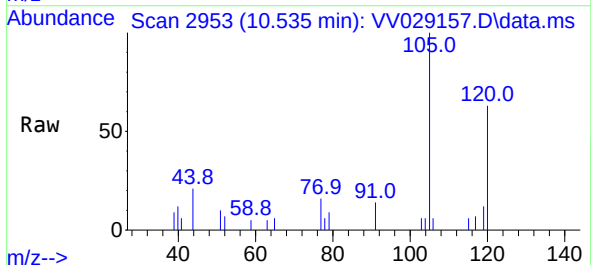
Acq: 19 Nov 2022 07:44

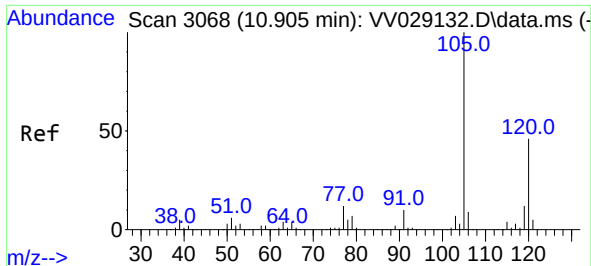
Tgt Ion: 105 Resp: 4231

Ion Ratio Lower Upper

105 100

120 46.6 39.9 59.9

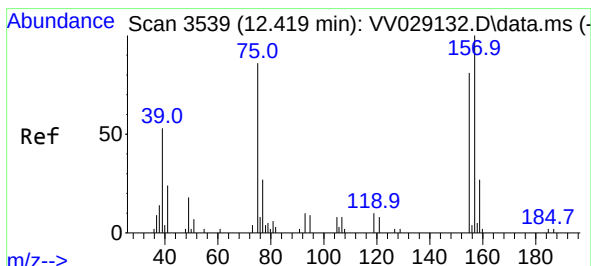
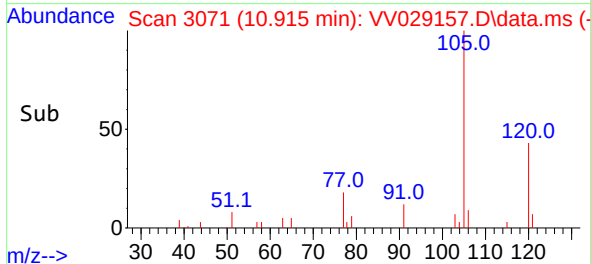
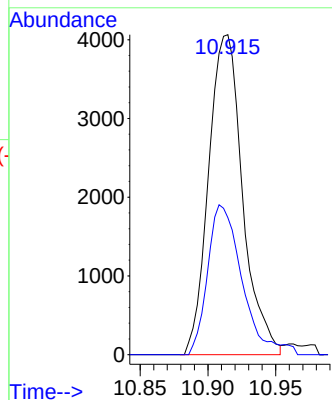
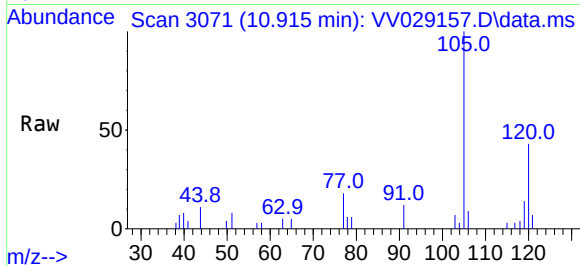




#63
1,2,4-Trimethylbenzene
Concen: 0.098 ug/L
RT: 10.915 min Scan# 3068
Delta R.T. 0.010 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

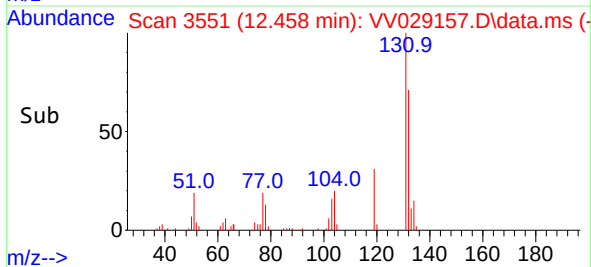
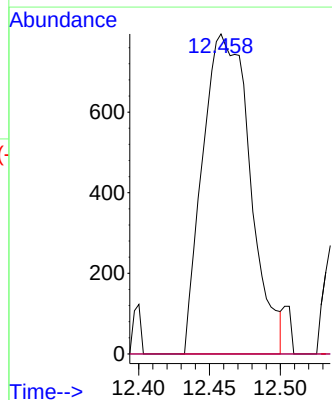
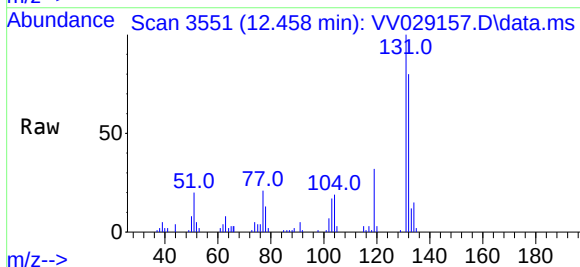
Instrument :
MSVOA_V
ClientSampleId :
BHB36

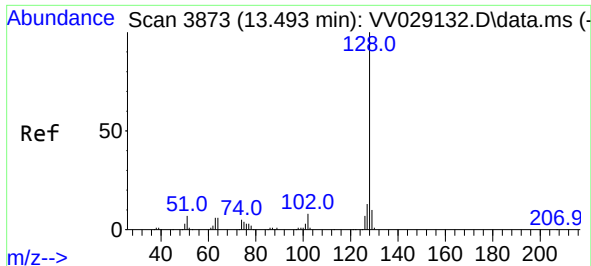
Tgt Ion:105 Resp: 7090
Ion Ratio Lower Upper
105 100
120 47.4 37.8 56.8



#68
1,2-Dibromo-3-chloropropane
Concen: 1.044 ug/L
RT: 12.458 min Scan# 3551
Delta R.T. 0.039 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

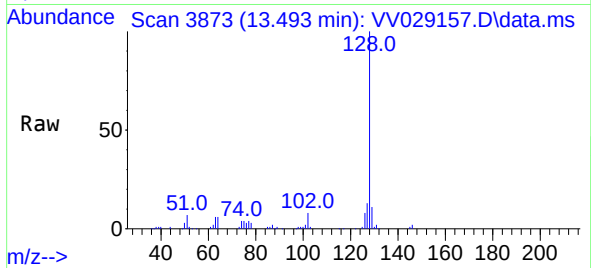
Tgt Ion: 75 Resp: 1848
Ion Ratio Lower Upper
75 100
155 0.0 64.8 97.2#
157 0.0 86.3 129.5#





#71
Naphthalene
Concen: 3.852 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.000 min
Lab File: VV029157.D
Acq: 19 Nov 2022 07:44

Instrument :
MSVOA_V
ClientSampleId :
BHB36



Tgt Ion:128 Resp: 116475
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.1 9.8 14.8

